

# COOLING SOLUTIONS

**R 134a**  
**R 22**  
**R 404A / R 507**  
**R 407C**  
**R 600a**  
**R 290**

**Hermetic Compressors**

**BP**  
**NB**  
**NE**  
**T**  
**J/NJ**



 **Embraco** aspera

## General Data and Performance

Page

### 50 Hz

|                |       |    |
|----------------|-------|----|
| R 134a         | LBP   | 02 |
| R 134a         | HBP   | 02 |
| R 22           | LBP   | 04 |
| R 22           | HBP   | 06 |
| R 22           | M/HBP | 06 |
| R 22           | AC    | 08 |
| R 404A / R 507 | LBP   | 10 |
| R 404A / R 507 | MBP   | 10 |
| R 407C         | AC    | 12 |
| R 600a         | LBP   | 14 |
| R 600a         | HBP   | 14 |
| R 290          | LBP   | 14 |

### 60 Hz

|                |       |    |
|----------------|-------|----|
| R 134a         | LBP   | 16 |
| R 134a         | HBP   | 16 |
| R 22           | LBP   | 18 |
| R 22           | HBP   | 20 |
| R 22           | M/HBP | 20 |
| R 22           | AC    | 20 |
| R 404A / R 507 | LBP   | 22 |
| R 404A / R 507 | MBP   | 24 |
| R 407C         | AC    | 26 |
| R 600a         | LBP   | 26 |

## External Views

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## Wiring Diagrams

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## Nomenclature

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### Motor Type

| Type               | Description                    |
|--------------------|--------------------------------|
| <b>RSIR</b>        | Resistive Start Inductive Run  |
| <b>RSCR</b>        | Resistive Start Capacitive Run |
| <b>CSIR</b>        | Capacitive Start Inductive Run |
| <b>CSR</b>         | Capacitive Start and Run       |
| <b>PSC</b>         | Permanent Split Capacitor      |
| <b>THREE PHASE</b> | Star Connection                |

### Cooling Types

| Type      | Description                                                                                                                                                                                       |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>S</b>  | (Static cooling) - the compressor doesn't need forced cooling, but it must be installed in order to guarantee natural air circulation by convection, to avoid overheating.                        |
| <b>F</b>  | (Fan cooling) - the compressor needs forced cooling by the use of a motor fan.                                                                                                                    |
| <b>OC</b> | (Oil Cooling) - coil positioned in the lower internal part of the housing, immersed in the lubricant, where the gas coming from the first part of the heat exchanger circuit cools the lubricant. |

### Conversion

|                 |             |
|-----------------|-------------|
| <b>1 watt</b>   | 3.41 Btu/h  |
| <b>1 watt</b>   | 0.86 kcal/h |
| <b>1 kcal/h</b> | 3.97 Btu/h  |

### Expansion Devices

| Type     | Description     |
|----------|-----------------|
| <b>C</b> | Capillary       |
| <b>V</b> | Expansion valve |

### Test Conditions

| Temperature       | Subcooled Liquid Conditions |       |         |       |      |       |
|-------------------|-----------------------------|-------|---------|-------|------|-------|
|                   | LBP                         |       | MBP-HBP |       | AC   |       |
|                   | [°C]                        | [°F]  | [°C]    | [°F]  | [°C] | [°F]  |
| Evaporating       | -23.3                       | -10.0 | 7.2     | 45.0  | 7.2  | 45.0  |
| Condensing        | 54.4                        | 130.0 | 54.4    | 130.0 | 54.4 | 130.0 |
| Gas & Ambient     | 32.2                        | 90.0  | 35.0    | 95.0  | 35.0 | 95.0  |
| Liquid            | 32.2                        | 90.0  | —       | —     | —    | —     |
| Liquid Subcooling | —                           | —     | 8.3     | 15.0  | 8.3  | 15.0  |

### Lubricant Used

| Code       | Type         |
|------------|--------------|
| <b>AB</b>  | alkylbenzene |
| <b>MO</b>  | mineral      |
| <b>POE</b> | polyolester  |

### Warning

All data is subject to change without notice. EMBRACO can accept no responsibility for possible errors contained in catalogues, brochures, technical bulletins and other printed material.

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 134a      | LBP         | 50 Hz     |

| MODEL   | Displacement |       | B.O.M. | Voltage / Frequency                 | Motor Type | LRA  | Exp. Device | Lubricant    |       |        | Weight |      | Max. Height A |      | Cooling Type |
|---------|--------------|-------|--------|-------------------------------------|------------|------|-------------|--------------|-------|--------|--------|------|---------------|------|--------------|
|         | [cm³]        | [in³] |        |                                     |            |      |             | Charge [cm³] | [oz²] | Type   | [kg]   | [lb] | [mm]          | [in] |              |
| NB1112Z | 6,26         | 0,38  | 293FA  | 220-240 V 50 Hz 1~                  | RSIR RSCR  | 8,3  | C           | 350          | 12    | POE 22 | 9,5    | 20,9 | 177,0         | 7,0  | S            |
| NB2112Z | 6,26         | 0,38  | 293IA  | 220-240 V 50 Hz 1~                  | CSIR       | 6,3  | C/V         | 350          | 12    | POE 22 | 9,5    | 20,9 | 177,0         | 7,0  | S            |
| NB1115Z | 7,40         | 0,45  | 291FK  | 200-220 V 50 Hz 1~ / 230 V 60 Hz 1~ | RSIR       | 13,7 | C           | 350          | 12    | POE 22 | 10,0   | 22,0 | 187,0         | 7,4  | S            |
| NB1116Z | 8,40         | 0,51  | 294SA  | 220-240 V 50 Hz 1~                  | RSIR RSCR  | 9,5  | C           | 350          | 12    | POE 22 | 9,8    | 21,6 | 187,0         | 7,4  | S            |
| NB2116Z | 8,40         | 0,51  | 294TA  | 220-240 V 50 Hz 1~                  | CSIR       | 8,8  | C/V         | 350          | 12    | POE 22 | 9,8    | 21,6 | 187,0         | 7,4  | S            |
| NB1117Z | 8,40         | 0,51  | 294RN  | 200-240 V 50 Hz 1~ / 230 V 60 Hz 1~ | RSIR       | 13,1 | C           | 350          | 12    | POE 22 | 10,3   | 22,7 | 187,0         | 7,4  | S            |
| NB3117Z | 8,40         | 0,51  | 295AN  | 200-240 V 50 Hz~ / 230 V 60 Hz 1~   | RSIR       | 13,0 | C           | 350          | 12    | POE 22 | 10,4   | 22,9 | 200,0         | 7,9  | OC           |
| NB1118Z | 8,07         | 0,49  | 292CK  | 200-220 V 50 Hz 1~ / 230 V 60 Hz 1~ | RSIR       | 13,2 | C           | 350          | 12    | POE 22 | 10,8   | 23,8 | 200,0         | 7,9  | S            |
| NB1118Z | 8,07         | 0,49  | 294UA  | 220-240 V 50 Hz 1~                  | RSIR RSCR  | 11,0 | C           | 350          | 12    | POE 22 | 10,3   | 22,7 | 187,0         | 7,4  | S            |
| NB2118Z | 8,07         | 0,49  | 294VA  | 220-240 V 50 Hz 1~                  | CSIR       | 9,3  | C/V         | 350          | 12    | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | S            |
| NB1119Z | 8,07         | 0,49  | 295BN  | 200-240 V 50 Hz 1~ / 230 V 60 Hz 1~ | RSIR       | 14,4 | C           | 350          | 12    | POE 22 | 11,0   | 24,3 | 200,0         | 7,9  | S            |
| NB3119Z | 8,07         | 0,49  | 295BN  | 200-240 V 50 Hz 1~ / 230 V 60 Hz 1~ | RSIR       | 11,5 | C           | 350          | 12    | POE 22 | 10,4   | 22,9 | 200,0         | 7,9  | OC           |
| NE1121Z | 9,27         | 0,57  | 262AA  | 220-240 V 50 Hz 1~                  | RSIR       | 14,8 | C           | 350          | 12    | POE 22 | 11,0   | 24,3 | 200,0         | 7,9  | F            |
| NE1121Z | 9,27         | 0,57  | 262AK  | 200-220 V 50 Hz 1~ / 230 V 60 Hz 1~ | RSIR       | 22,2 | C           | 350          | 12    | POE 22 | 11,0   | 24,3 | 200,0         | 7,9  | F            |
| NE2121Z | 9,27         | 0,57  | 262BA  | 220-240 V 50 Hz 1~                  | CSIR       | 12,6 | C/V         | 350          | 12    | POE 22 | 11,0   | 24,3 | 200,0         | 7,9  | F            |
| NE2121Z | 9,27         | 0,57  | 263BK  | 200-220 V 50 Hz / 230 60 Hz         | CSIR       | 15,0 | C/V         | 350          | 12    | POE 22 | 11,0   | 24,3 | 200,0         | 7,9  | F            |
| NE1130Z | 12,12        | 0,74  | 262CA  | 220-240 V 50 Hz 1~                  | RSIR       | 16,3 | C           | 350          | 12    | POE 22 | 11,0   | 24,3 | 200,0         | 7,9  | F            |
| NE1130Z | 12,12        | 0,74  | 263IK  | 200-220 V 50 Hz / 230 V 60 Hz       | RSIR       | 22,0 | C           | 350          | 12    | POE 22 | 11,0   | 24,3 | 200,0         | 7,9  | F            |
| NE2130Z | 12,12        | 0,74  | 262DA  | 220-240 V 50 Hz 1~                  | CSIR       | 13,2 | C/V         | 350          | 12    | POE 22 | 11,0   | 24,3 | 200,0         | 7,9  | F            |
| NE2130Z | 12,12        | 0,74  | 263DK  | 200-220 V 50 Hz 1~ / 230 V 60 Hz 1~ | CSIR       | 14,3 | C/V         | 350          | 12    | POE 22 | 11,6   | 25,6 | 200,0         | 7,9  | F            |
| NE2134Z | 14,30        | 0,87  | 263CA  | 220-240 V 50 Hz                     | CSIR       | 17,0 | C/V         | 350          | 12    | POE 22 | 11,5   | 25,4 | 206,0         | 8,1  | F            |
| T2134Z  | 19,04        | 1,16  | 203NV  | 230 V 50 Hz 1~                      | CSIR       | 13,0 | C/V         | 580          | 20    | POE 22 | 13,9   | 30,6 | 201,0         | 7,9  | F            |
| T2140Z  | 22,40        | 1,37  | 207HA  | 220-240 V 50 Hz 1~                  | CSIR       | 20,0 | C/V         | 580          | 20    | POE 22 | 14,0   | 30,9 | 221,0         | 8,7  | F            |
| T2140Z  | 22,40        | 1,37  | 207HK  | 200-220 V 50 Hz / 230 60 Hz         | CSIR       | 22,5 | C/V         | 580          | 20    | POE 22 | 14,9   | 32,8 | 221,0         | 8,7  | F            |
| J2152Z  | 27,12        | 1,65  | 164LA  | 220-240 V 50 Hz 1~                  | CSIR       | 24,0 | C/V         | 890          | 31    | POE 22 | 20,0   | 44,1 | 265,0         | 10,4 | F            |
| NJ2152Z | 27,12        | 1,65  | 144LA  | 220-240 V 50 Hz 1~                  | CSIR       | 24,0 | C/V         | 890          | 31    | POE 22 | 20,0   | 44,1 | 265,0         | 10,4 | F            |

Note: Please check Test Conditions on page 1.

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 134a      | HBP         | 50 Hz     |

| MODEL   | Displacement |       | B.O.M. | Voltage / Frequency | Motor Type | LRA  | Exp. Device | Lubricant    |       |        | Weight |      | Max. Height A |      | Cooling Type |
|---------|--------------|-------|--------|---------------------|------------|------|-------------|--------------|-------|--------|--------|------|---------------|------|--------------|
|         | [cm³]        | [in³] |        |                     |            |      |             | Charge [cm³] | [oz²] | Type   | [kg]   | [lb] | [mm]          | [in] |              |
| BP5125H | 3,40         | 0,21  | 223SA  | 220-240 V 50 Hz 1~  | RSIR       | 3,4  | C           | 200          | 7     | POE 22 | 6,8    | 15,0 | 150,0         | 5,9  | S            |
| BP6125H | 3,40         | 0,21  | 221UA  | 220-240 V 50 Hz 1~  | CSIR       | 4,5  | C/V         | 200          | 7     | POE 22 | 6,9    | 15,2 | 159,0         | 6,3  | S            |
| BP5128H | 4,15         | 0,25  | 223TA  | 220-240 V 50 Hz 1~  | RSIR       | 4,5  | C           | 200          | 7     | POE 22 | 6,8    | 15,0 | 150,0         | 5,9  | S            |
| BP5128H | 4,15         | 0,25  | 223TQ  | 100 V 50/60 Hz 1~   | RSIR       | 11,2 | C           | 200          | 7     | POE 22 | 6,8    | 15,0 | 150,0         | 5,9  | S            |
| BP6128H | 4,15         | 0,25  | 221VA  | 220-240 V 50 Hz 1~  | CSIR       | 5,2  | C/V         | 200          | 7     | POE 22 | 7,1    | 15,7 | 159,0         | 6,3  | S            |
| BP5132H | 4,60         | 0,28  | 224RA  | 220-240 V 50 Hz 1~  | RSIR       | 6,7  | C           | 200          | 7     | POE 22 | 7,6    | 16,8 | 159,0         | 6,3  | S            |
| BP5132H | 4,60         | 0,28  | 224RQ  | 100 V 50/60 Hz 1~   | RSIR       | 14,2 | C           | 200          | 7     | POE 22 | 7,6    | 16,8 | 159,0         | 6,3  | S            |
| BP6132H | 4,60         | 0,28  | 224SA  | 220-240 V 50 Hz 1~  | CSIR       | 6,3  | C/V         | 200          | 7     | POE 22 | 7,6    | 16,8 | 159,0         | 6,3  | S            |

Note: Please check Test Conditions on page 1.

| FREQUENCY |  | APPLICATION |  | REFRIGERANT |  |
|-----------|--|-------------|--|-------------|--|
| 50 Hz     |  | LBP         |  | R 134a      |  |

|                | Condensing Temperature<br><br>[°C] | Cooling Capacity / Evaporating Temperature [°C] |            |                     |                |              |            |      |      |            |              |                           |                            | Drawings |      | MODEL   |
|----------------|------------------------------------|-------------------------------------------------|------------|---------------------|----------------|--------------|------------|------|------|------------|--------------|---------------------------|----------------------------|----------|------|---------|
|                |                                    | Subcooled conditions [W]                        |            |                     |                |              |            |      |      |            |              |                           |                            |          |      |         |
|                |                                    | -30                                             | -25        | Rated Point -23,3°C |                |              |            | -20  | -15  | -10        | -5           | External View<br><br>ref. | Wiring Diagram<br><br>ref. |          |      |         |
| Cooling<br>[W] | kcal/h]                            |                                                 |            | W. input<br>[W]     | Current<br>[A] | EER<br>[W/W] | [kcal/h/W] |      |      |            |              |                           |                            |          |      |         |
|                | 54,4<br>45                         | 102                                             | 125<br>138 | 139                 | 120            | 127          | 0,9        | 1,09 | 0,94 | 168<br>183 | 220<br>237   | 279<br>300                | 347<br>372                 | DWG02    | SM00 | NB1112Z |
|                | 54,4<br>45                         |                                                 | 126<br>138 | 139                 | 120            | 127          | 0,9        | 1,09 | 0,94 | 169<br>184 | 220<br>238   | 280<br>301                | 348<br>373                 | DWG02    | SM05 | NB2112Z |
|                | 54,4<br>45                         | 124                                             | 151<br>169 | 169                 | 145            | 147          | 1,1        | 1,15 | 0,99 | 207<br>226 | 273<br>295   | 351<br>375                | 441<br>467                 | DWG02    | SM00 | NB1115Z |
|                | 54,4<br>45                         |                                                 | 165<br>181 | 182                 | 157            | 164          | 1,2        | 1,11 | 0,95 | 219<br>238 | 284<br>305   | 360<br>383                | 447<br>470                 | DWG02    | SM00 | NB1116Z |
|                | 54,4<br>45                         | 134                                             | 157<br>179 | 174                 | 150            | 169          | 1,1        | 1,03 | 0,89 | 212<br>234 | 277<br>301   | 353<br>379                | 440<br>469                 | DWG02    | SM05 | NB2116Z |
|                | 54,4<br>45                         |                                                 | 183<br>179 | 174                 | 150            | 166          | 1,3        | 1,05 | 0,90 | 247<br>234 | 326<br>301   | 418<br>379                | 523<br>469                 | DWG02    | SM00 | NB1117Z |
|                | 54,4<br>45                         | 129                                             | 157<br>174 | 174                 | 150            | 156          | 1,2        | 1,12 | 0,96 | 212<br>230 | 277<br>298   | 353<br>377                | 440<br>468                 | DWG05    | SM03 | NB3117Z |
|                | 54,4<br>45                         |                                                 | 179<br>197 | 200                 | 172            | 166          | 1,2        | 1,20 | 1,03 | 243<br>261 | 318<br>337   | 404<br>427                | 501<br>530                 | DWG02    | SM00 | NB1118Z |
|                | 54,4<br>45                         | 111                                             | 124<br>147 | 178                 | 153            | 162          | 0,9        | 1,23 | 1,06 | 199<br>214 | 244<br>262   | 321<br>341                | 411<br>434                 | DWG02    | SM05 | NB1118Z |
|                | 54,4<br>45                         |                                                 | 124<br>147 | 178                 | 153            | 162          | 0,9        | 1,23 | 1,06 | 199<br>214 | 244<br>262   | 321<br>341                | 411<br>434                 | DWG02    | SM05 | NB2118Z |
|                | 54,4<br>45                         | 146                                             | 179<br>197 | 200                 | 172            | 166          | 1,2        | 1,20 | 1,03 | 243<br>261 | 318<br>337   | 404<br>427                | 501<br>530                 | DWG02    | SM00 | NB1119Z |
|                | 54,4<br>45                         |                                                 | 179<br>197 | 200                 | 172            | 160          | 1,3        | 1,25 | 1,08 | 243<br>261 | 318<br>337   | 404<br>427                | 501<br>530                 | DWG05    | SM03 | NB3119Z |
|                | 54,4<br>45                         | 184                                             | 229<br>245 | 252                 | 217            | 198          | 1,5        | 1,27 | 1,09 | 303<br>322 | 393<br>412   | 497<br>518                | 618<br>640                 | DWG03    | SM03 | NE1121Z |
|                | 54,4<br>45                         |                                                 | 229<br>245 | 252                 | 217            | 198          | 1,5        | 1,27 | 1,09 | 303<br>322 | 393<br>412   | 497<br>518                | 618<br>640                 | DWG03    | SM03 | NE1121Z |
|                | 54,4<br>45                         | 182                                             | 226<br>242 | 250                 | 215            | 204          | 1,4        | 1,22 | 1,05 | 301<br>319 | 391<br>411   | 496<br>519                | 618<br>640                 | DWG03    | SM05 | NE2121Z |
|                | 54,4<br>45                         |                                                 | 229<br>245 | 252                 | 217            | 198          | 1,4        | 1,27 | 1,09 | 303<br>322 | 393<br>412   | 497<br>518                | 618<br>640                 | DWG03    | SM05 | NE2121Z |
|                | 54,4<br>45                         | 235                                             | 293<br>313 | 322                 | 277            | 245          | 1,5        | 1,32 | 1,14 | 385<br>408 | 495<br>520   | 623<br>650                | 772<br>800                 | DWG03    | SM03 | NE1130Z |
|                | 54,4<br>45                         |                                                 | 293<br>313 | 322                 | 277            | 245          | 1,5        | 1,32 | 1,14 | 385<br>408 | 495<br>520   | 623<br>650                | 772<br>800                 | DWG03    | SM03 | NE1130Z |
|                | 54,4<br>45                         | 254                                             | 313<br>332 | 344                 | 296            | 260          | 2,1        | 1,32 | 1,14 | 409<br>430 | 525<br>547   | 660<br>684                | 817<br>843                 | DWG03    | SM05 | NE2130Z |
|                | 54,4<br>45                         |                                                 | 283<br>299 | 314                 | 270            | 260          | 2,1        | 1,21 | 1,04 | 375<br>388 | 482<br>495   | 604<br>620                | 742<br>763                 | DWG03    | SM05 | NE2130Z |
|                | 54,4<br>45                         | 263                                             | 324<br>345 | 356                 | 306            | 291          | 2,3        | 1,22 | 1,05 | 438<br>453 | 556<br>585   | 706<br>741                | 880<br>921                 | DWG03    | SM05 | NE2134Z |
|                | 54,4<br>45                         |                                                 | 357<br>389 | 396                 | 341            | 367          | 2,8        | 1,08 | 0,93 | 482<br>512 | 639<br>678   | 830<br>887                | 1055<br>1139               | DWG08    | SM09 | T2134Z  |
|                | 54,4<br>45                         | 327                                             | 389<br>434 | 438                 | 377            | 367          | 2,5        | 1,19 | 1,02 | 547<br>591 | 746<br>799   | 986<br>1057               | 1266<br>1364               | DWG08    | SM08 | T2140Z  |
|                | 54,4<br>45                         |                                                 | 389<br>434 | 438                 | 377            | 367          | 2,5        | 1,19 | 1,02 | 547<br>591 | 746<br>799   | 986<br>1057               | 1266<br>1364               | DWG08    | SM08 | T2140Z  |
|                | 54,4<br>45                         | 360                                             | 521<br>551 | 602                 | 518            | 438          | 2,9        | 1,37 | 1,18 | 768<br>777 | 1045<br>1039 | 1351<br>1335              | 1687<br>1666               | DWG13    | SM14 | J2152Z  |
|                | 54,4<br>45                         |                                                 | 521<br>551 | 602                 | 518            | 438          | 2,9        | 1,37 | 1,18 | 768<br>777 | 1045<br>1039 | 1351<br>1335              | 1687<br>1666               | DWG14    | SM14 | NJ2152Z |

| FREQUENCY |  | APPLICATION |  | REFRIGERANT |  |
|-----------|--|-------------|--|-------------|--|
| 50 Hz     |  | HBP         |  | R 134a      |  |

|  | Condensing Temperature<br><br>[°C] | Cooling Capacity / Evaporating Temperature [°C] |     |            |            |                |                    |                 |                |       |           |               |                | Drawings |      | MODEL   |
|--|------------------------------------|-------------------------------------------------|-----|------------|------------|----------------|--------------------|-----------------|----------------|-------|-----------|---------------|----------------|----------|------|---------|
|  |                                    | Subcooled conditions [W]                        |     |            |            |                |                    |                 |                |       |           |               |                |          |      |         |
|  |                                    | -15                                             | -10 | -5         | 0          | +5             | Rated Point +7.2°C |                 | EER            |       | +10       | External View | Wiring Diagram |          |      |         |
|  |                                    |                                                 |     |            |            | Cooling<br>[W] | [kcal/h]           | W. input<br>[W] | Current<br>[A] | [W/W] | [kcal/hW] |               | ref.           | ref.     |      |         |
|  | 54,4<br>45                         | 125                                             | 161 | 173<br>204 | 218<br>256 | 270<br>315     | 295                | 254             | 154            | 0,9   | 1,91      | 1,64          | 328<br>382     | DWG01    | SM00 | BP5125H |
|  | 54,4<br>45                         | 125                                             | 161 | 173<br>204 | 218<br>256 | 270<br>315     | 295                | 254             | 154            | 0,9   | 1,91      | 1,64          | 328<br>382     | DWG01    | SM05 | BP6125H |
|  | 54,4<br>45                         | 149                                             | 190 | 207<br>241 | 259<br>302 | 320<br>373     | 349                | 300             | 194            | 1,0   | 1,80      | 1,55          | 389<br>453     | DWG01    | SM00 | BP5128H |
|  | 54,4<br>45                         | 149                                             | 190 | 207<br>241 | 259<br>302 | 320<br>373     | 349                | 300             | 194            | 1,0   | 1,80      | 1,55          | 389<br>453     | DWG01    | SM00 | BP5128H |
|  | 54,4<br>45                         | 149                                             | 190 | 207<br>241 | 259<br>302 | 320<br>373     | 349                | 300             | 194            | 1,0   | 1,80      | 1,55          | 389<br>453     | DWG07    | SM05 | BP6128H |
|  | 54,4<br>45                         | 162                                             | 208 | 229<br>264 | 287<br>331 | 354<br>408     | 386                | 332             | 202            | 1,1   | 1,91      | 1,64          | 429<br>495     | DWG01    | SM00 | BP5132H |
|  | 54,4<br>45                         | 162                                             | 208 | 229<br>264 | 287<br>331 | 354<br>408     | 386                | 332             | 212            | 2,8   | 1,82      | 1,57          | 429<br>495     | DWG01    | SM00 | BP5132H |
|  | 54,4<br>45                         | 162                                             | 208 | 229<br>264 | 287<br>331 | 354<br>408     | 386                | 332             | 202            | 1,1   | 1,91      | 1,64          | 429<br>495     | DWG01    | SM05 | BP6132H |

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 134a      | HBP         | 50 Hz     |

| MODEL    | Displacement |       | B.O.M. | Voltage / Frequency                     | Motor Type | LRA  | Exp. Device | Lubricant    |      |        | Weight |      | Max. Height A |      | Cooling Type |  |
|----------|--------------|-------|--------|-----------------------------------------|------------|------|-------------|--------------|------|--------|--------|------|---------------|------|--------------|--|
|          | [cm³]        | [in³] |        |                                         |            |      |             | Charge [cm³] | [oz] | Type   | [kg]   | [lb] | [mm]          | [in] |              |  |
| NB5132Z  | 5,02         | 0,31  | 293CA  | 220-240 V 50 Hz 1~                      | RSIR       | 8,3  | C           | 350          | 12   | POE 22 | 9,5    | 20,9 | 177,0         | 7,0  | S            |  |
| NB5144Z  | 6,05         | 0,37  | 294AA  | 220-240 V 50 Hz 1~                      | RSIR       | 11,5 | C           | 350          | 12   | POE 22 | 9,7    | 21,4 | 187,0         | 7,4  | F            |  |
| NB6144Z  | 6,05         | 0,37  | 294BA  | 220-240 V 50 Hz 1~                      | CSIR       | 7,5  | C/V         | 350          | 12   | POE 22 | 9,7    | 21,4 | 187,0         | 7,4  | F            |  |
| NE5160Z  | 8,00         | 0,49  | 261AA  | 220-240 V 50 Hz 1~                      | RSIR       | 13,4 | C           | 350          | 12   | POE 22 | 9,9    | 21,8 | 187,0         | 7,4  | F            |  |
| NE6160Z  | 8,00         | 0,49  | 261BA  | 220-240 V 50 Hz 1~                      | CSIR       | 10,8 | C/V         | 350          | 12   | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE6160Z  | 8,00         | 0,49  | 261BN  | 200-240 V 50 Hz 1~ / 230 V 60 Hz 1~     | CSIR       | 15,3 | C/V         | 350          | 12   | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE5170Z  | 8,78         | 0,54  | 261CA  | 220-240 V 50 Hz 1~                      | RSIR       | 13,5 | C           | 350          | 12   | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE6170Z  | 8,78         | 0,54  | 261DA  | 220-240 V 50 Hz 1~                      | CSIR       | 11,0 | C/V         | 350          | 12   | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE6170Z  | 8,78         | 0,54  | 262RN  | 200-240 V 50 Hz 1~ / 230 V 60 Hz 1~     | CSIR       | 16,5 | C/V         | 350          | 12   | POE 22 | 10,3   | 22,7 | 200,0         | 7,9  | F            |  |
| NE5187Z  | 12,12        | 0,74  | 261EA  | 220-240 V 50 Hz 1~                      | RSIR       | 17,4 | C           | 350          | 12   | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE6187Z  | 12,12        | 0,74  | 261FA  | 220-240 V 50 Hz 1~                      | CSIR       | 13,8 | C/V         | 350          | 12   | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE6187Z  | 12,12        | 0,74  | 262EN  | 200-240 V 50 Hz 1~ / 230 V 60 Hz 1~     | CSIR       | 16,5 | C/V         | 350          | 12   | POE 22 | 10,4   | 22,9 | 200,0         | 7,9  | F            |  |
| NE6210Z  | 13,54        | 0,83  | 262FA  | 220-240 V 50 Hz 1~                      | CSIR       | 17,4 | C/V         | 350          | 12   | POE 22 | 11,0   | 24,3 | 200,0         | 7,9  | F            |  |
| NEK6170Z | 8,4          | 0,51  | 267BA  | 220-240 V 50 Hz 1~                      | CSIR       | 12,4 | C-V         | 350          | 12   | POE22  | 10,4   | 22,9 | 187           | 7,4  | F            |  |
| NEK6187Z | 10           | 0,61  | 268AA  | 220-240 V 50 Hz 1~                      | CSIR       | 16,1 | C-V         | 350          | 12   | POE22  | 10,4   | 22,9 | 200           | 7,9  | F            |  |
| NEK6210Z | 12,12        | 0,74  | 268BA  | 220-240 V 50 Hz 1~                      | CSIR       | 16,1 | C-V         | 350          | 12   | POE22  | 11     | 24,3 | 200           | 7,9  | F            |  |
| NEK6212Z | 14,3         | 0,87  | 269AA  | 220-240 V 50 Hz 1~                      | CSIR       | 19,5 | C-V         | 350          | 12   | POE22  | 11,6   | 25,5 | 206           | 8,1  | F            |  |
| T6213Z   | 17,40        | 1,06  | 203LN  | 200-240 V 50 Hz 1~ / 230 V 60 Hz 1~     | CSIR       | 23,3 | C/V         | 550          | 19   | POE 22 | 13,7   | 30,2 | 201,0         | 7,9  | F            |  |
| T6213Z   | 17,40        | 1,06  | 203LT  | 220-230 V 50 Hz 1~                      | CSIR       | 20,0 | C/V         | 550          | 19   | POE 22 | 13,7   | 30,2 | 201,0         | 7,9  | F            |  |
| T6215Z   | 20,40        | 1,24  | 206ZA  | 220-240 V 50 Hz 1~                      | CSIR       | 21,0 | C/V         | 580          | 20   | POE 22 | 14,2   | 31,3 | 221,0         | 8,7  | F            |  |
| T6215Z   | 20,40        | 1,24  | 206ZC  | 220 V 50 Hz 1~                          | CSIR       | 21,0 | C/V         | 580          | 20   | POE 22 | 14,5   | 32,0 | 221,0         | 8,7  | F            |  |
| T6215Z   | 20,40        | 1,24  | 206ZN  | 200-240 V 50 Hz 1~ / 230 V 60 Hz 1~     | CSIR       | 28,8 | C/V         | 580          | 20   | POE 22 | 16,9   | 37,3 | 221,0         | 8,7  | F            |  |
| T6217Z   | 22,40        | 1,24  | 206TA  | 220-240 V 50 Hz 1~                      | CSIR       | 22,5 | C/V         | 580          | 20   | POE 22 | 14,2   | 31,3 | 221,0         | 8,7  | F            |  |
| J6220Z   | 26,20        | 1,60  | 164HA  | 220-240 V 50 Hz 1~                      | CSIR       | 35,0 | C/V         | 890          | 31   | POE 22 | 20,3   | 44,8 | 265,0         | 10,4 | F            |  |
| NJ6220Z  | 26,20        | 1,60  | 144HA  | 220-240 V 50 Hz 1~                      | CSIR       | 35,0 | C/V         | 890          | 31   | POE 22 | 20,3   | 44,8 | 265,0         | 10,4 | F            |  |
| J6220ZX  | 26,20        | 1,60  | 168HM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 10,0 | C/V         | 890          | 31   | POE 22 | 19,6   | 43,2 | 265,0         | 10,4 | F            |  |
| NJ6220ZX | 26,20        | 1,60  | 148HM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 10,0 | C/V         | 890          | 31   | POE 22 | 19,6   | 43,2 | 265,0         | 10,4 | F            |  |
| J6226Z   | 34,37        | 2,10  | 162HA  | 220-240 V 50 Hz 1~                      | CSR        | 31,0 | C/V         | 890          | 31   | POE 22 | 20,1   | 44,3 | 253,0         | 10,0 | F            |  |
| NJ6226Z  | 34,37        | 2,10  | 142HA  | 220-240 V 50 Hz 1~                      | CSR        | 31,0 | C/V         | 890          | 31   | POE 22 | 20,1   | 44,3 | 253,0         | 10,0 | F            |  |
| J6226ZX  | 34,37        | 2,10  | 168IM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890          | 31   | POE 22 | 20,2   | 44,5 | 265,0         | 10,4 | F            |  |
| NJ6226ZX | 34,37        | 2,10  | 148IM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890          | 31   | POE 22 | 20,2   | 44,5 | 265,0         | 10,4 | F            |  |

Note: Please check Test Conditions on page 1.

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 22        | LBP         | 50 Hz     |

| MODEL   | Displacement |       | B.O.M. | Voltage / Frequency | Motor Type | LRA  | Exp. Device | Lubricant    |      |       | Weight |      | Max. Height A |      | Cooling Type |  |
|---------|--------------|-------|--------|---------------------|------------|------|-------------|--------------|------|-------|--------|------|---------------|------|--------------|--|
|         | [cm³]        | [in³] |        |                     |            |      |             | Charge [cm³] | [oz] | Type  | [kg]   | [lb] | [mm]          | [in] |              |  |
| NE2125E | 8,78         | 0,54  | 261IA  | 220-240 V 50 Hz 1~  | CSIR       | 11,0 | C/V         | 350          | 12   | AB 46 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE2134E | 12,12        | 0,74  | 263AA  | 220-240 V 50 Hz 1~  | CSIR       | 14,8 | C/V         | 350          | 12   | AB 46 | 11,5   | 25,4 | 206,0         | 8,1  | F            |  |

Note: Please check Test Conditions on page 1.

| FREQUENCY |  | APPLICATION |  | REFRIGERANT |  |
|-----------|--|-------------|--|-------------|--|
| 50 Hz     |  | HBP         |  | R 134a      |  |

| Condensing Temperature<br>[°C] | Cooling Capacity / Evaporating Temperature [°C]<br>Subcooled conditions [W] |      |      |      |      |                    |          |                 |                |              |           |      | Drawings      |                | MODEL    |
|--------------------------------|-----------------------------------------------------------------------------|------|------|------|------|--------------------|----------|-----------------|----------------|--------------|-----------|------|---------------|----------------|----------|
|                                | -15                                                                         | -10  | -5   | 0    | +5   | Rated Point +7.2°C |          |                 |                |              |           | +10  | External View | Wiring Diagram |          |
|                                |                                                                             |      |      |      |      | Cooling<br>[W]     | [kcal/h] | W. input<br>[W] | Current<br>[A] | EER<br>[W/W] | [kcal/hW] |      | ref.          | ref.           |          |
| 54,4                           |                                                                             |      |      |      |      |                    |          |                 |                |              |           |      |               |                |          |
| 45                             |                                                                             |      |      |      |      |                    |          |                 |                |              |           |      |               |                |          |
| 54,4                           | 180                                                                         | 237  | 250  | 314  | 387  | 423                | 364      | 216             | 1,2            | 1,96         | 1,69      | 471  | DWG02         | SM03           | NB5132Z  |
| 45                             |                                                                             |      | 302  | 375  | 455  |                    |          |                 |                |              |           | 543  |               |                |          |
| 54,4                           |                                                                             |      | 326  | 403  | 492  | 534                | 459      | 281             | 1,6            | 1,91         | 1,64      | 591  | DWG03         | SM03           | NB5144Z  |
| 45                             | 238                                                                         | 300  | 374  | 461  | 560  |                    |          |                 |                |              |           | 670  |               |                |          |
| 54,4                           |                                                                             |      | 326  | 403  | 492  | 534                | 459      | 281             | 1,6            | 1,91         | 1,64      | 591  | DWG03         | SM05           | NB6144Z  |
| 45                             | 238                                                                         | 300  | 374  | 461  | 560  |                    |          |                 |                |              |           | 670  |               |                |          |
| 54,4                           |                                                                             |      | 374  | 492  | 623  | 686                | 590      | 299             | 1,8            | 2,30         | 1,98      | 769  | DWG03         | SM03           | NE5160Z  |
| 45                             | 260                                                                         | 341  | 447  | 576  | 730  |                    |          |                 |                |              |           | 907  |               |                |          |
| 54,4                           |                                                                             |      | 374  | 492  | 623  | 686                | 590      | 299             | 1,8            | 2,30         | 1,98      | 769  | DWG03         | SM05           | NE6160Z  |
| 45                             | 260                                                                         | 341  | 447  | 576  | 730  |                    |          |                 |                |              |           | 907  |               |                |          |
| 54,4                           |                                                                             |      | 391  | 505  | 636  | 700                | 602      | 303             | 2,0            | 2,31         | 1,99      | 785  | DWG03         | SM05           | NE6160Z  |
| 45                             | 270                                                                         | 359  | 469  | 598  | 748  |                    |          |                 |                |              |           | 917  |               |                |          |
| 54,4                           |                                                                             |      | 448  | 577  | 728  | 801                | 689      | 344             | 2,0            | 2,32         | 1,98      | 900  | DWG03         | SM03           | NE5170Z  |
| 45                             | 311                                                                         | 411  | 535  | 683  | 854  |                    |          |                 |                |              |           | 1048 |               |                |          |
| 54,4                           |                                                                             |      | 443  | 570  | 718  | 789                | 679      | 344             | 1,9            | 2,32         | 1,98      | 885  | DWG03         | SM05           | NE6170Z  |
| 45                             | 314                                                                         | 411  | 532  | 676  | 844  |                    |          |                 |                |              |           | 1035 |               |                |          |
| 54,4                           |                                                                             |      | 443  | 570  | 718  | 789                | 679      | 344             | 2,3            | 2,32         | 1,98      | 885  | DWG03         | SM05           | NE6170Z  |
| 45                             | 314                                                                         | 411  | 532  | 676  | 844  |                    |          |                 |                |              |           | 1035 |               |                |          |
| 54,4                           |                                                                             |      | 637  | 804  | 997  | 1089               | 937      | 520             | 3,0            | 2,09         | 1,80      | 1214 | DWG03         | SM03           | NE5187Z  |
| 45                             | 454                                                                         | 586  | 747  | 936  | 1154 |                    |          |                 |                |              |           | 1400 |               |                |          |
| 54,4                           |                                                                             |      | 637  | 804  | 997  | 1089               | 937      | 520             | 3,0            | 2,09         | 1,80      | 1214 | DWG03         | SM05           | NE6187Z  |
| 45                             | 454                                                                         | 586  | 747  | 936  | 1154 |                    |          |                 |                |              |           | 1400 |               |                |          |
| 54,4                           |                                                                             |      | 639  | 809  | 1006 | 1101               | 947      | 480             | 2,8            | 2,29         | 1,97      | 1229 | DWG03         | SM05           | NE6187Z  |
| 45                             | 454                                                                         | 586  | 748  | 940  | 1163 |                    |          |                 |                |              |           | 1416 |               |                |          |
| 54,4                           |                                                                             |      | 723  | 913  | 1134 | 1240               | 1066     | 553             | 3,1            | 2,24         | 1,93      | 1384 | DWG03         | SM05           | NE6210Z  |
| 45                             | 513                                                                         | 661  | 843  | 1059 | 1310 |                    |          |                 |                |              |           | 1595 |               |                |          |
| 54,4                           |                                                                             |      | 503  | 626  | 767  | 837                | 720      | 347             | 2,10           | 2,41         | 2,08      | 929  | DWG03         | SM05           | NEK6170Z |
| 45                             | 366                                                                         | 460  | 577  | 714  | 874  |                    |          |                 |                |              |           | 1056 |               |                |          |
| 54,4                           |                                                                             |      | 569  | 715  | 884  | 967                | 832      | 410             | 2,61           | 2,35         | 2,03      | 1077 | DWG03         | SM05           | NEK6187Z |
| 45                             | 414                                                                         | 521  | 656  | 817  | 1006 |                    |          |                 |                |              |           | 1221 |               |                |          |
| 54,4                           |                                                                             |      | 690  | 862  | 1051 | 1140               | 980      | 497             | 2,86           | 2,29         | 1,97      | 1257 | DWG03         | SM05           | NEK6210Z |
| 45                             | 500                                                                         | 631  | 793  | 983  | 1200 |                    |          |                 |                |              |           | 1448 |               |                |          |
| 54,4                           |                                                                             |      | 767  | 960  | 1186 | 1292               | 1111     | 602             | 3,53           | 2,15         | 1,85      | 1437 | DWG03         | SM05           | NEK6212Z |
| 45                             | 558                                                                         | 705  | 885  | 1101 | 1353 |                    |          |                 |                |              |           | 1635 |               |                |          |
| 54,4                           |                                                                             |      | 835  | 1068 | 1335 | 1463               | 1258     | 677             | 4,3            | 2,16         | 1,86      | 1635 | DWG08         | SM09           | T6213Z   |
| 45                             | 523                                                                         | 736  | 979  | 1252 | 1555 |                    |          |                 |                |              |           | 1889 |               |                |          |
| 54,4                           |                                                                             |      | 835  | 1068 | 1335 | 1463               | 1258     | 673             | 3,8            | 2,17         | 1,87      | 1635 | DWG08         | SM09           | T6213Z   |
| 45                             | 523                                                                         | 736  | 979  | 1252 | 1555 |                    |          |                 |                |              |           | 1889 |               |                |          |
| 54,4                           |                                                                             |      | 1003 | 1288 | 1616 | 1774               | 1526     | 807             | 4,5            | 2,20         | 1,89      | 1987 | DWG08         | SM09           | T6215Z   |
| 45                             | 682                                                                         | 894  | 1166 | 1497 | 1887 |                    |          |                 |                |              |           | 2336 |               |                |          |
| 54,4                           |                                                                             |      | 998  | 1291 | 1634 | 1800               | 1548     | 815             | 4,9            | 2,21         | 1,90      | 2026 | DWG08         | SM09           | T6215Z   |
| 45                             | 684                                                                         | 897  | 1169 | 1500 | 1891 |                    |          |                 |                |              |           | 2342 |               |                |          |
| 54,4                           |                                                                             |      | 998  | 1291 | 1634 | 1800               | 1548     | 811             | 4,9            | 2,22         | 1,91      | 2026 | DWG08         | SM09           | T6215Z   |
| 45                             | 684                                                                         | 897  | 1169 | 1500 | 1891 |                    |          |                 |                |              |           | 2342 |               |                |          |
| 54,4                           |                                                                             |      | 1062 | 1374 | 1737 | 1913               | 1645     | 867             | 4,8            | 2,20         | 1,89      | 1987 | DWG08         | SM09           | T6217Z   |
| 45                             | 718                                                                         | 973  | 1275 | 1624 | 2020 |                    |          |                 |                |              |           | 2464 |               |                |          |
| 54,4                           |                                                                             |      | 1471 | 1881 | 2330 | 2541               | 2185     | 978             | 5,7            | 2,60         | 2,24      | 2819 | DWG13         | SM14           | J6220Z   |
| 45                             | 962                                                                         | 1263 | 1638 | 2087 | 2610 |                    |          |                 |                |              |           | 3206 |               |                |          |
| 54,4                           |                                                                             |      | 1471 | 1881 | 2330 | 2541               | 2185     | 978             | 5,7            | 2,60         | 2,24      | 2819 | DWG14         | SM14           | NJ6220Z  |
| 45                             | 962                                                                         | 1263 | 1638 | 2087 | 2610 |                    |          |                 |                |              |           | 3206 |               |                |          |
| 54,4                           |                                                                             |      | 1471 | 1881 | 2330 | 2541               | 2185     | 875             | 1,6            | 2,90         | 2,49      | 2819 | DWG13         | SM18           | J6220ZX  |
| 45                             | 962                                                                         | 1263 | 1638 | 2087 | 2610 |                    |          |                 |                |              |           | 3206 |               |                |          |
| 54,4                           |                                                                             |      | 1471 | 1881 | 2330 | 2541               | 2185     | 875             | 1,6            | 2,90         | 2,49      | 2819 | DWG14         | SM18           | NJ6220ZX |
| 45                             | 962                                                                         | 1263 | 1638 | 2087 | 2610 |                    |          |                 |                |              |           | 3206 |               |                |          |
| 54,4                           |                                                                             |      | 1764 | 2226 | 2732 | 2969               | 2553     | 1232            | 6,0            | 2,41         | 2,07      | 3282 | DWG13         | SM17           | J6226Z   |
| 45                             | 1421                                                                        | 1791 | 2229 | 2734 | 3306 |                    |          |                 |                |              |           | 3945 |               |                |          |
| 54,4                           |                                                                             |      | 1764 | 2226 | 2732 | 2969               | 2553     | 1232            | 6,0            | 2,41         | 2,07      | 3282 | DWG14         | SM17           | NJ6226Z  |
| 45                             | 1421                                                                        | 1791 | 2229 | 2734 | 3306 |                    |          |                 |                |              |           | 3945 |               |                |          |
| 54,4                           |                                                                             |      | 1764 | 2226 | 2732 | 2969               | 2553     | 1190            | 2,3            | 2,49         | 2,14      | 3282 | DWG13         | SM18           | J6226ZX  |
| 45                             | 1421                                                                        | 1791 | 2229 | 2734 | 3306 |                    |          |                 |                |              |           | 3945 |               |                |          |
| 54,4                           |                                                                             |      | 1764 | 2226 | 2732 | 2969               | 2553     | 1190            | 2,3            | 2,49         | 2,14      | 3282 | DWG14         | SM18           | NJ6226ZX |
| 45                             | 1421                                                                        | 1791 | 2229 | 2734 | 3306 |                    |          |                 |                |              |           | 3945 |               |                |          |

| FREQUENCY |  | APPLICATION |  | REFRIGERANT |  |
|-----------|--|-------------|--|-------------|--|
| 50 Hz     |  | LBP         |  | R 22        |  |

| Condensing Temperature | Cooling Capacity / Evaporating Temperature [°C] |     |                     |          |                 |                |      |      |       |           |     |               | Drawings       |         | MODEL |
|------------------------|-------------------------------------------------|-----|---------------------|----------|-----------------|----------------|------|------|-------|-----------|-----|---------------|----------------|---------|-------|
|                        | Subcooled conditions [W]                        |     |                     |          |                 |                |      |      |       |           |     |               |                |         |       |
|                        | -30                                             | -25 | Rated Point -23,3°C |          |                 |                |      |      | -20   | -15       | -10 | External View | Wiring Diagram |         |       |
|                        |                                                 |     | Cooling             |          | W. input<br>[W] | Current<br>[W] | EER  |      |       |           |     |               |                |         |       |
| [°C]                   |                                                 |     | [W]                 | [kcal/h] |                 |                |      |      | [W/W] | [kcal/hW] |     |               |                | ref.    | ref.  |
| 54,4                   | 226                                             | 304 | 293                 | 252      | 278             | 1,5            | 1,06 | 0,91 | 353   | 458       | 582 | DWG03         | SM05           | NE2125E |       |
| 45                     |                                                 |     |                     |          |                 |                |      |      |       | 401       | 517 | 651           |                |         |       |
| 54,4                   | 331                                             | 441 | 429                 | 369      | 391             | 2,6            | 1,10 | 0,94 | 518   | 670       | 843 | DWG03         | SM05           | NE2134E |       |
| 45                     |                                                 |     |                     |          |                 |                |      |      |       | 576       | 737 | 924           |                |         |       |

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 22        | LBP         | 50 Hz     |

| MODEL   | Displacement |       | B.O.M. | Voltage / Frequency                 | Motor Type | LRA  | Exp. Device | Lubricant    |       |       | Weight |      | Max. Height A |      | Cooling Type |  |
|---------|--------------|-------|--------|-------------------------------------|------------|------|-------------|--------------|-------|-------|--------|------|---------------|------|--------------|--|
|         | [cm³]        | [in³] |        |                                     |            |      |             | Charge [cm³] | [oz²] | Type  | [kg]   | [lb] | [mm]          | [in] |              |  |
| T2140E- | 14,50        | 0,88  | 116AA  | 220-240 V 50 Hz 1~                  | CSIR       | 22,0 | C/V         | 580          | 20    | AB 46 | 17,1   | 37,7 | 221,0         | 8,7  | F            |  |
| T2155E  | 17,40        | 1,06  | 116BA  | 220-240 V 50 Hz 1~                  | CSR        | 18,0 | C/V         | 580          | 20    | AB 46 | 16,3   | 35,9 | 221,0         | 8,7  | F            |  |
| T2155E  | 17,40        | 1,06  | 116BK  | 200-220 V 50 Hz 1~ / 230 V 60 Hz 1~ | CSR        | 22,0 | C/V         | 580          | 20    | AB 46 | 16,3   | 35,9 | 221,0         | 8,7  | F            |  |
| T2168E  | 20,40        | 1,24  | 116UA  | 220-240 V 50 Hz 1~                  | CSR        | 18,0 | C/V         | 580          | 20    | AB 46 | 16,6   | 36,6 | 221,0         | 8,7  | F            |  |
| J2178E  | 23,50        | 1,43  | 164GA  | 220-240 V 50 Hz 1~                  | CSR        | 26,0 | C/V         | 890          | 31    | AB 46 | 20,2   | 44,5 | 265,0         | 10,4 | F            |  |
| NJ2178E | 23,50        | 1,43  | 144GA  | 220-240 V 50 Hz 1~                  | CSR        | 26,0 | C/V         | 890          | 31    | AB 46 | 20,2   | 44,5 | 265,0         | 10,4 | F            |  |
| J2190E  | 27,12        | 1,65  | 163NV  | 230 V 50 Hz 1~                      | CSR        | 37,0 | C/V         | 890          | 31    | AB 46 | 21,5   | 47,4 | 265,0         | 10,4 | F            |  |
| NJ2190E | 27,12        | 1,65  | 143NV  | 230 V 50 Hz 1~                      | CSR        | 37,0 | C/V         | 890          | 31    | AB 46 | 21,5   | 47,4 | 265,0         | 10,4 | F            |  |

Note: Please check Test Conditions on page 1.

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 22        | HBP         | 50 Hz     |

| MODEL   | Displacement |       | B.O.M. | Voltage / Frequency                 | Motor Type | LRA  | Exp. Device | Lubricant    |       |       | Weight |      | Max. Height A |      | Cooling Type |  |
|---------|--------------|-------|--------|-------------------------------------|------------|------|-------------|--------------|-------|-------|--------|------|---------------|------|--------------|--|
|         | [cm³]        | [in³] |        |                                     |            |      |             | Charge [cm³] | [oz²] | Type  | [kg]   | [lb] | [mm]          | [in] |              |  |
| NB6144E | 4,52         | 0,28  | 294IA  | 220-240 V 50 Hz 1~                  | CSIR       | 15,3 | C/V         | 350          | 12    | AB 46 | 10,3   | 22,7 | 187,0         | 7,4  | F            |  |
| NB6152E | 5,02         | 0,31  | 294LA  | 220-240 V 50 Hz 1~                  | CSIR       | 15,3 | C/V         | 350          | 12    | AB 46 | 10,5   | 23,1 | 187,0         | 7,4  | F            |  |
| NB6165E | 6,05         | 0,37  | 294NA  | 220-240 V 50 Hz 1~                  | CSIR       | 13,8 | C/V         | 350          | 12    | AB 46 | 10,0   | 22,0 | 187,0         | 7,4  | F            |  |
| NE6181E | 7,28         | 0,44  | 262LA  | 220-240 V 50 Hz 1~                  | CSIR       | 16,5 | C/V         | 350          | 12    | AB 46 | 10,0   | 22,0 | 200,0         | 7,9  | F            |  |
| NE5210E | 8,78         | 0,54  | 262MN  | 200-240 V 50 Hz 1~ / 230 V 60 Hz 1~ | RSIR       | 17,5 | C           | 350          | 12    | AB 46 | 10,4   | 22,9 | 200,0         | 7,4  | F            |  |
| NE6210E | 8,78         | 0,54  | 261NA  | 220-240 V 50 Hz 1~                  | CSIR       | 13,8 | C/V         | 350          | 12    | AB 46 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE6211E | 9,27         | 0,57  | 262HA  | 220-240 V 50 Hz 1~                  | CSIR       | 17,5 | C/V         | 350          | 12    | AB 46 | 10,4   | 22,9 | 200,0         | 7,9  | F            |  |
| T6217E  | 14,50        | 0,88  | 116TA  | 220-240 V 50 Hz 1~                  | CSR        | 18,0 | C/V         | 580          | 20    | AB 46 | 16,3   | 35,9 | 221,0         | 8,7  | F            |  |
| T6220E  | 17,40        | 1,06  | 116SA  | 220-240 V 50 Hz 1~                  | CSR        | 20,0 | C/V         | 580          | 20    | AB 46 | 16,9   | 37,3 | 221,0         | 8,7  | F            |  |
| T6220E  | 17,40        | 1,06  | 116JK  | 200-220 V 50 Hz / 230 60 Hz         | CSR        | 31,0 | C/V         | 580          | 20    | AB 46 | 16,9   | 37,3 | 221,0         | 8,7  | F            |  |

Note: Please check Test Conditions on page 1.

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 22        | M/HBP       | 50 Hz     |

| MODEL   | Displacement |       | B.O.M. | Voltage / Frequency                     | Motor Type | LRA  | Exp. Device | Lubricant    |       |       | Weight |      | Max. Height A |      | Cooling Type |  |
|---------|--------------|-------|--------|-----------------------------------------|------------|------|-------------|--------------|-------|-------|--------|------|---------------|------|--------------|--|
|         | [cm³]        | [in³] |        |                                         |            |      |             | Charge [cm³] | [oz²] | Type  | [kg]   | [lb] | [mm]          | [in] |              |  |
| NE9213E | 12,12        | 0,74  | 263EA  | 220-240 V 50 Hz 1~                      | CSR        | 16,0 | C/V         | 350          | 12    | AB 46 | 11,7   | 25,8 | 206,0         | 8,1  | F            |  |
| J9226E  | 21,70        | 1,32  | 164IV  | 230 V 50 Hz 1~                          | CSR        | 27,5 | C/V         | 890          | 31    | AB 46 | 20,5   | 45,2 | 265,0         | 10,4 | F            |  |
| NJ9226E | 21,70        | 1,32  | 144IV  | 230 V 50 Hz 1~                          | CSR        | 27,5 | C/V         | 890          | 31    | AB 46 | 20,5   | 45,2 | 265,0         | 10,4 | F            |  |
| J9226P  | 21,70        | 1,32  | 168MM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 10,0 | C/V         | 890          | 31    | AB 46 | 22,1   | 48,7 | 265,0         | 10,4 | F            |  |
| NJ9226P | 21,70        | 1,32  | 148MM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 10,0 | C/V         | 890          | 31    | AB 46 | 22,1   | 48,7 | 265,0         | 10,4 | F            |  |
| J9232E  | 26,20        | 1,60  | 163MK  | 200-220 V 50 Hz 1~ / 230 V 60 Hz 1~     | CSR        | 42,5 | C/V         | 890          | 31    | AB 46 | 21,5   | 47,4 | 277,0         | 10,9 | F            |  |
| NJ9232E | 26,20        | 1,60  | 143MV  | 200-220 V 50 Hz 1~ / 230 V 60 Hz 1~     | CSR        | 42,5 | C/V         | 890          | 31    | AB 46 | 21,5   | 47,4 | 277,0         | 10,9 | F            |  |

Note: Please check Test Conditions on page 1.



| FREQUENCY |  | APPLICATION |  | REFRIGERANT |  |
|-----------|--|-------------|--|-------------|--|
| 50 Hz     |  | LBP         |  | R 22        |  |

|                | Condensing Temperature<br><br>[°C] | Cooling Capacity / Evaporating Temperature [°C] |      |                     |                |              |           |      |      |      |      |      | Drawings |      | MODEL   |
|----------------|------------------------------------|-------------------------------------------------|------|---------------------|----------------|--------------|-----------|------|------|------|------|------|----------|------|---------|
|                |                                    | Subcooled conditions [W]                        |      |                     |                |              |           |      |      |      |      |      |          |      |         |
|                |                                    | -30                                             | -25  | Rated Point -23,3°C |                |              |           | -20  | -15  | -10  | ref. | ref. |          |      |         |
| Cooling<br>[W] | [kcal/h]                           |                                                 |      | W. input<br>[W]     | Current<br>[W] | EER<br>[W/W] | [kcal/hW] |      |      |      |      |      |          |      |         |
|                | 54,4<br>45                         | 348                                             | 482  | 496                 | 427            | 420          | 2,9       | 1,18 | 1,01 | 604  | 796  | 1023 | DWG09    | SM09 | T2140E- |
|                | 54,4<br>45                         | 427                                             | 591  | 599                 | 515            | 484          | 2,2       | 1,24 | 1,07 | 654  | 866  | 1116 | DWG11    | SM13 | T2155E  |
|                | 54,4<br>45                         |                                                 |      |                     |                |              |           |      |      | 731  | 965  | 1241 |          |      |         |
|                | 54,4<br>45                         |                                                 |      |                     |                |              |           |      |      | 798  | 1049 | 1344 |          |      |         |
|                | 54,4<br>45                         | 427                                             | 591  | 599                 | 515            | 484          | 2,2       | 1,24 | 1,07 | 731  | 965  | 1241 | DWG11    | SM13 | T2155E  |
|                | 54,4<br>45                         |                                                 |      |                     |                |              |           |      |      | 798  | 1049 | 1344 |          |      |         |
|                | 54,4<br>45                         | 547                                             | 725  | 759                 | 653            | 585          | 2,7       | 1,30 | 1,12 | 948  | 1304 | 1744 | DWG11    | SM13 | T2168E  |
|                |                                    |                                                 |      |                     |                |              |           |      |      | 963  | 1262 | 1622 |          |      |         |
|                | 54,4<br>45                         | 668                                             | 918  | 912                 | 784            | 729          | 3,3       | 1,25 | 1,08 | 1099 | 1425 | 1803 | DWG13    | SM16 | J2178E  |
|                | 54,4<br>45                         |                                                 |      |                     |                |              |           |      |      | 1216 | 1560 | 1953 |          |      |         |
|                | 54,4<br>45                         | 668                                             | 918  | 912                 | 784            | 729          | 3,3       | 1,25 | 1,08 | 1099 | 1425 | 1803 | DWG14    | SM16 | NJ2178E |
|                |                                    |                                                 |      |                     |                |              |           |      |      | 1216 | 1560 | 1953 |          |      |         |
|                | 54,4<br>45                         |                                                 |      | 1060                | 912            |              | 4,1       | 1,29 | 1,11 | 1280 | 1662 | 2104 | DWG13    | SM16 | J2190E  |
|                |                                    |                                                 |      |                     |                |              |           |      |      | 1280 | 1662 | 2104 |          |      |         |
|                | 54,4<br>45                         | 782                                             | 1078 |                     |                | 819          |           |      |      | 1426 | 1826 | 2279 |          |      |         |
|                |                                    |                                                 |      |                     |                |              |           |      |      |      |      |      |          |      |         |
|                | 54,4<br>45                         | 782                                             | 1078 | 1060                | 912            |              | 4,1       | 1,29 | 1,11 | 1280 | 1662 | 2104 | DWG14    | SM16 | NJ2190E |
|                |                                    |                                                 |      |                     |                | 819          |           |      |      | 1426 | 1826 | 2279 |          |      |         |

| FREQUENCY |  | APPLICATION |  | REFRIGERANT |  |
|-----------|--|-------------|--|-------------|--|
| 50 Hz     |  | HBP         |  | R 22        |  |

|      | Condensing Temperature | Cooling Capacity / Evaporating Temperature [°C] |      |      |      |             |                    |              |             |           |           |      |       | Drawings      |                | MODEL |
|------|------------------------|-------------------------------------------------|------|------|------|-------------|--------------------|--------------|-------------|-----------|-----------|------|-------|---------------|----------------|-------|
|      |                        | Subcooled conditions [W]                        |      |      |      |             |                    |              |             |           |           |      |       |               |                |       |
|      |                        |                                                 |      |      |      |             | Rated Point +7,2°C |              |             |           |           |      |       | External View | Wiring Diagram |       |
| [°C] | -15                    | -10                                             | -5   | 0    | +5   | Cooling [W] | [kcal/h]           | W. input [W] | Current [A] | EER [W/W] | [kcal/hW] | +10  | ref.  | ref.          |                |       |
| 54,4 |                        |                                                 | 339  | 419  | 511  |             |                    |              |             |           |           | 615  |       |               | NB6144E        |       |
| 45   | 252                    | 316                                             | 393  | 482  | 584  | 555         | 486                | 289          | 2,0         | 1,92      | 1,65      | 699  | DWG03 | SM05          |                |       |
| 54,4 |                        |                                                 | 394  | 483  | 584  |             |                    |              |             |           |           | 697  |       |               | NB6152E        |       |
| 45   | 296                    | 368                                             | 454  | 554  | 669  | 632         | 544                | 351          | 2,1         | 1,80      | 1,55      | 798  | DWG03 | SM05          |                |       |
| 54,4 |                        |                                                 | 485  | 592  | 714  |             |                    |              |             |           |           | 851  |       |               | NB6165E        |       |
| 45   | 368                    | 453                                             | 556  | 676  | 815  | 772         | 664                | 439          | 2,7         | 1,76      | 1,51      | 971  | DWG03 | SM05          |                |       |
| 54,4 |                        |                                                 | 561  | 705  | 873  |             |                    |              |             |           |           | 1063 |       |               | NE6181E        |       |
| 45   | 413                    | 523                                             | 661  | 826  | 1018 | 954         | 820                | 414          | 2,6         | 2,32      | 2,00      | 1237 | DWG03 | SM05          |                |       |
| 54,4 |                        |                                                 | 704  | 872  | 1065 |             |                    |              |             |           |           | 1281 |       |               | NE5210E        |       |
| 45   | 522                    | 656                                             | 819  | 1012 | 1234 | 1157        | 995                | 523          | 3,2         | 2,21      | 1,90      | 1486 | DWG03 | SM03          |                |       |
| 54,4 |                        |                                                 | 670  | 836  | 1026 |             |                    |              |             |           |           | 1241 |       |               | NE6210E        |       |
| 45   | 499                    | 627                                             | 787  | 978  | 1199 | 1118        | 961                | 535          | 3,0         | 2,09      | 1,80      | 1452 | DWG03 | SM05          |                |       |
| 54,4 |                        |                                                 | 783  | 968  | 1179 |             |                    |              |             |           |           | 1425 |       |               | NE6211E        |       |
| 45   | 465                    | 686                                             | 859  | 1060 | 1291 | 1290        | 1109               | 606          | 3,2         | 2,13      | 1,83      | 1548 | DWG03 | SM05          |                |       |
| 54,4 |                        |                                                 | 1073 | 1388 | 1728 |             |                    |              |             |           |           | 2093 |       |               | T6217E         |       |
| 45   | 678                    | 979                                             | 1306 | 1659 | 2039 | 1885        | 1621               | 714          | 3,4         | 2,64      | 2,27      | 2445 | DWG12 | SM13          |                |       |
| 54,4 |                        |                                                 | 1345 | 1682 | 2065 |             |                    |              |             |           |           | 2494 |       |               | T6220E         |       |
| 45   | 886                    | 1204                                            | 1543 | 1902 | 2283 | 2248        | 1933               | 846          | 3,8         | 2,66      | 2,29      | 2685 | DWG12 | SM13          |                |       |
| 54,4 |                        |                                                 | 1345 | 1682 | 2065 |             |                    |              |             |           |           | 2494 |       |               | T6220E         |       |
| 45   | 886                    | 1204                                            | 1543 | 1902 | 2283 | 2248        | 1933               | 846          | 3,8         | 2,66      | 2,29      | 2685 | DWG12 | SM13          |                |       |

| FREQUENCY |  | APPLICATION |  | REFRIGERANT |  |
|-----------|--|-------------|--|-------------|--|
| 50 Hz     |  | M/HBP       |  | R 22        |  |

|            | Condensing Temperature | Cooling Capacity / Evaporating Temperature [°C] |      |              |              |              |      |             |          |              |             |           |              |       | Drawings      |                | MODEL |
|------------|------------------------|-------------------------------------------------|------|--------------|--------------|--------------|------|-------------|----------|--------------|-------------|-----------|--------------|-------|---------------|----------------|-------|
|            |                        | Subcooled conditions [W]                        |      |              |              |              |      |             |          |              |             |           |              |       |               |                |       |
|            |                        | Rated Point +7,2°C                              |      |              |              |              |      |             |          |              |             |           |              |       | External View | Wiring Diagram |       |
|            |                        |                                                 |      |              |              |              |      | Cooling [W] | [kcal/h] | W. input [W] | Current [A] | EER [W/W] | [kcal/hW]    |       |               |                |       |
| [°C]       | -20                    | -15                                             | -10  | -5           | 0            | +5           |      |             |          |              |             |           | +10          | ref.  | ref.          |                |       |
| 54,4<br>45 | 535                    | 701                                             | 902  | 980<br>1137  | 1220<br>1406 | 1491<br>1711 | 1620 | 1393        | 674      | 3,1          | 2,40        | 2,06      | 1792<br>2049 | DWG03 | SM06          | NE9213E        |       |
| 54,4<br>45 | 968                    | 1274                                            | 1647 | 1792<br>2086 | 2249<br>2591 | 2769<br>3163 | 3018 | 2595        | 1124     | 5,0          | 2,68        | 2,30      | 3352<br>3800 | DWG13 | SM17          | J9226E         |       |
| 54,4<br>45 | 968                    | 1274                                            | 1647 | 1792<br>2086 | 2249<br>2591 | 2769<br>3163 | 3018 | 2595        | 1124     | 5,0          | 2,68        | 2,30      | 3352<br>3800 | DWG14 | SM17          | NJ9226E        |       |
| 54,4<br>45 | 968                    | 1274                                            | 1647 | 1811<br>2086 | 2257<br>2591 | 2770<br>3163 | 3018 | 2595        | 1134     | 2,1          | 2,66        | 2,29      | 3353<br>3800 | DWG13 | SM18          | J9226P         |       |
| 54,4<br>45 | 968                    | 1274                                            | 1647 | 1811<br>2086 | 2257<br>2591 | 2770<br>3163 | 3018 | 2595        | 1134     | 2,1          | 2,66        | 2,29      | 3353<br>3800 | DWG14 | SM18          | NJ9226P        |       |
| 54,4<br>45 | 1158                   | 1522                                            | 1974 | 2159<br>2514 | 2695<br>3142 | 3313<br>3857 | 3611 | 3105        | 1384     | 6,7          | 2,61        | 2,24      | 4013<br>4661 | DWG13 | SM17          | J9232E         |       |
| 54,4<br>45 | 1158                   | 1522                                            | 1974 | 2159<br>2514 | 2695<br>3142 | 3313<br>3857 | 3611 | 3105        | 1384     | 6,7          | 2,61        | 2,24      | 4013<br>4661 | DWG14 | SM17          | NJ9232E        |       |



| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 22        | M/HBP       | 50 Hz     |

| MODEL   | Displacement |       | B.O.M. | Voltage / Frequency                     | Motor Type | LRA  | Exp. Device | Lubricant    |      |       | Weight |      | Max. Height A |      | Cooling Type |  |
|---------|--------------|-------|--------|-----------------------------------------|------------|------|-------------|--------------|------|-------|--------|------|---------------|------|--------------|--|
|         | [cm³]        | [in³] |        |                                         |            |      |             | Charge [cm³] | [oz] | Type  | [kg]   | [lb] | [mm]          | [in] |              |  |
| J9232E  | 26,20        | 1,60  | 163MK  | 230 V 50 Hz 1~                          | CSR        | 33,7 | C/V         | 890          | 31   | AB 46 | 21,5   | 47,4 | 277,0         | 10,9 | F            |  |
| NJ9232E | 26,20        | 1,60  | 143MV  | 230 V 50 Hz 1~                          | CSR        | 33,7 | C/V         | 890          | 31   | AB 46 | 21,5   | 47,4 | 277,0         | 10,9 | F            |  |
| J9232P  | 26,20        | 1,60  | 167HM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890          | 31   | AB 46 | 21,2   | 46,7 | 277,0         | 10,9 | F            |  |
| NJ9232P | 26,20        | 1,60  | 147HM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890          | 31   | AB 46 | 21,2   | 46,7 | 277,0         | 10,9 | F            |  |
| J9238E  | 32,70        | 2,00  | 163QV  | 230 V 50 Hz 1~                          | CSR        | 43,0 | C/V         | 890          | 31   | AB 46 | 21,9   | 48,3 | 277,0         | 10,9 | F            |  |
| NJ9238E | 32,70        | 2,00  | 143QV  | 230 V 50 Hz 1~                          | CSR        | 43,0 | C/V         | 890          | 31   | AB 46 | 21,9   | 48,3 | 277,0         | 10,9 | F            |  |
| J9238P  | 32,70        | 2,00  | 167LM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890          | 31   | AB 46 | 21,7   | 47,8 | 277,0         | 10,9 | F            |  |
| NJ9238P | 32,70        | 2,00  | 147LM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890          | 31   | AB 46 | 21,7   | 47,8 | 277,0         | 10,9 | F            |  |

Note: Please check Test Conditions on page 1.

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 22        | AC          | 50 Hz     |

| MODEL   | Displacement |       | B.O.M. | Voltage / Frequency                     | Motor Type | LRA  | Exp. Device | Lubricant    |      |       | Weight |      | Max. Height A |      | Cooling Type |  |
|---------|--------------|-------|--------|-----------------------------------------|------------|------|-------------|--------------|------|-------|--------|------|---------------|------|--------------|--|
|         | [cm³]        | [in³] |        |                                         |            |      |             | Charge [cm³] | [oz] | Type  | [kg]   | [lb] | [mm]          | [in] |              |  |
| NE7213E | 12,12        | 0,73  | 264CA  | 220-240 V 50 Hz 1~                      | PSC        | 13,0 | C           | 350          | 12   | MO 32 | 11,6   | 25,6 | 218,0         | 8,6  | F            |  |
| NE7215E | 13,54        | 0,81  | 264DA  | 220-240 V 50 Hz 1~                      | PSC        | 19,0 | C           | 350          | 12   | MO 32 | 11,9   | 26,2 | 218,0         | 8,6  | F            |  |
| T7220F  | 17,40        | 1,06  | 116WA  | 220-240 V 50 Hz 1~                      | PSC        | 26,0 | C           | 580          | 20   | MO 32 | 15,0   | 33,1 | 221,0         | 8,7  | F            |  |
| T7223F  | 20,40        | 1,24  | 116DA  | 220-240 V 50 Hz 1~                      | PSC        | 30,0 | C           | 580          | 20   | MO 32 | 15,4   | 34,0 | 221,0         | 8,7  | F            |  |
| J7225F  | 21,70        | 1,32  | 162GA  | 220-240 V 50 Hz 1~                      | PSC        | 30,0 | C           | 890          | 31   | MO 32 | 19,3   | 42,5 | 253,0         | 10,0 | F            |  |
| NJ7225F | 21,70        | 1,32  | 142GA  | 220-240 V 50 Hz 1~                      | PSC        | 30,0 | C           | 890          | 31   | MO 32 | 19,3   | 42,5 | 253,0         | 10,0 | F            |  |
| J7225E  | 21,70        | 1,32  | 162AA  | 220-240 V 50 Hz 1~                      | PSC        | 27,0 | C           | 890          | 31   | AB 46 | 19,3   | 42,5 | 253,0         | 10,0 | F            |  |
| NJ7225E | 21,70        | 1,32  | 142AA  | 220-240 V 50 Hz 1~                      | PSC        | 27,0 | C           | 890          | 31   | AB 46 | 19,3   | 42,5 | 253,0         | 10,0 | F            |  |
| J7228F  | 23,50        | 1,45  | 162FA  | 220-240 V 50 Hz 1~                      | PSC        | 30,0 | C           | 890          | 31   | MO 32 | 20,0   | 44,1 | 253,0         | 10,0 | F            |  |
| NJ7228F | 23,50        | 1,45  | 142FA  | 220-240 V 50 Hz 1~                      | PSC        | 30,0 | C           | 890          | 31   | MO 32 | 20,0   | 44,1 | 253,0         | 10,0 | F            |  |
| J7228P  | 23,50        | 1,45  | 166DM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 18,0 | C/V         | 890          | 31   | MO 32 | 21,5   | 47,4 | 253,0         | 10,0 | F            |  |
| NJ7228P | 23,50        | 1,45  | 146DM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 18,0 | C/V         | 890          | 31   | MO 32 | 21,5   | 47,4 | 253,0         | 10,0 | F            |  |
| J7231F  | 26,20        | 1,60  | 164EA  | 220-240 V 50 Hz 1~                      | PSC        | 37,0 | C           | 890          | 31   | MO 32 | 20,4   | 45,0 | 265,0         | 10,4 | F            |  |
| NJ7231F | 26,20        | 1,60  | 144EA  | 220-240 V 50 Hz 1~                      | PSC        | 37,0 | C           | 890          | 31   | MO 32 | 20,4   | 45,0 | 265,0         | 10,4 | F            |  |
| J7231P  | 26,20        | 1,60  | 168CM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 18,0 | C/V         | 890          | 31   | MO 32 | 20,1   | 44,3 | 265,0         | 10,4 | F            |  |
| NJ7231P | 26,20        | 1,60  | 148CM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 18,0 | C/V         | 890          | 31   | MO 32 | 20,1   | 44,3 | 265,0         | 10,4 | F            |  |
| J7238E  | 32,70        | 2,00  | 163AA  | 220-240 V 50 Hz 1~                      | PSC        | 51,0 | C           | 890          | 31   | MO 32 | 21,4   | 47,2 | 277,0         | 10,9 | F            |  |
| NJ7238E | 32,70        | 2,00  | 143AA  | 220-240 V 50 Hz 1~                      | PSC        | 51,0 | C           | 890          | 31   | MO 32 | 21,4   | 47,2 | 277,0         | 10,9 | F            |  |
| J7238P  | 32,70        | 2,00  | 167AM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890          | 31   | MO 32 | 20,9   | 46,1 | 277,0         | 10,9 | F            |  |
| NJ7238P | 32,70        | 2,00  | 147AM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890          | 31   | MO 32 | 20,9   | 46,1 | 277,0         | 10,9 | F            |  |
| J7240F  | 34,37        | 2,10  | 163FA  | 220-240 V 50 Hz 1~                      | PSC        | 50,0 | C           | 890          | 31   | MO 32 | 22,3   | 49,2 | 277,0         | 10,9 | F            |  |
| NJ7240F | 34,37        | 2,10  | 143FA  | 220-240 V 50 Hz 1~                      | PSC        | 50,0 | C           | 890          | 31   | MO 32 | 22,3   | 49,2 | 277,0         | 10,9 | F            |  |
| J7240P  | 34,37        | 2,10  | 167CM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890          | 31   | MO 32 | 21,4   | 47,2 | 277,0         | 10,9 | F            |  |
| NJ7240P | 34,37        | 2,10  | 147CM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890          | 31   | MO 32 | 21,4   | 47,2 | 277,0         | 10,9 | F            |  |

Note: Please check Test Conditions on page 1.

| FREQUENCY | APPLICATION | REFRIGERANT |
|-----------|-------------|-------------|
| 50 Hz     | M/HBP       | R 22        |

|  | Condensing Temperature<br><br>[°C] | Cooling Capacity / Evaporating Temperature [°C]<br>Subcooled conditions [W] |      |      |              |              |              |         |          |                    |             |           |           |              | Drawings |      | MODEL   |
|--|------------------------------------|-----------------------------------------------------------------------------|------|------|--------------|--------------|--------------|---------|----------|--------------------|-------------|-----------|-----------|--------------|----------|------|---------|
|  |                                    | -20                                                                         | -15  | -10  | -5           | 0            | +5           | Cooling |          | Rated Point +7,2°C |             |           |           | +10          |          |      |         |
|  |                                    |                                                                             |      |      |              |              |              | [W]     | [kcal/h] | W. input [W]       | Current [A] | EER [W/W] | [kcal/hW] |              |          |      |         |
|  | 54,4<br>45                         | 1158                                                                        | 1522 | 1974 | 2159<br>2514 | 2695<br>3142 | 3313<br>3857 | 3611    | 3105     | 1384               | 6,7         | 2,61      | 2,24      | 4013<br>4661 | DWG13    | SM17 | J9232E  |
|  | 54,4<br>45                         | 1158                                                                        | 1522 | 1974 | 2159<br>2514 | 2695<br>3142 | 3313<br>3857 | 3611    | 3105     | 1384               | 6,7         | 2,61      | 2,24      | 4013<br>4661 | DWG14    | SM17 | NJ9232E |
|  | 54,4<br>45                         | 1158                                                                        | 1522 | 1974 | 2159<br>2514 | 2695<br>3142 | 3313<br>3857 | 3611    | 3105     | 1371               | 2,8         | 2,63      | 2,26      | 4013<br>4661 | DWG13    | SM18 | J9232P  |
|  | 54,4<br>45                         | 1158                                                                        | 1522 | 1974 | 2159<br>2514 | 2695<br>3142 | 3313<br>3857 | 3611    | 3105     | 1371               | 2,8         | 2,63      | 2,26      | 4013<br>4661 | DWG14    | SM18 | NJ9232P |
|  | 54,4<br>45                         | 1542                                                                        | 1967 | 2490 | 2802<br>3112 | 3427<br>3831 | 4131<br>4648 | 4466    | 3841     | 1856               | 8,2         | 2,41      | 2,07      | 4914<br>5563 | DWG13    | SM17 | J9238E  |
|  | 54,4<br>45                         | 1542                                                                        | 1967 | 2490 | 2802<br>3112 | 3427<br>3831 | 4131<br>4648 | 4466    | 3841     | 1856               | 8,2         | 2,41      | 2,07      | 4914<br>5563 | DWG14    | SM17 | NJ9238E |
|  | 54,4<br>45                         | 1542                                                                        | 1967 | 2490 | 2802<br>3112 | 3427<br>3831 | 4131<br>4648 | 4466    | 3841     | 1856               | 4,0         | 2,41      | 2,07      | 4914<br>5563 | DWG13    | SM18 | J9238P  |
|  | 54,4<br>45                         | 1542                                                                        | 1967 | 2490 | 2802<br>3112 | 3427<br>3831 | 4131<br>4648 | 4466    | 3841     | 1856               | 4,0         | 2,41      | 2,07      | 4914<br>5563 | DWG14    | SM18 | NJ9238P |

| FREQUENCY | APPLICATION | REFRIGERANT |
|-----------|-------------|-------------|
| 50 Hz     | AC          | R 22        |

|                | Condensing Temperature<br><br>[°C] | Cooling Capacity / Evaporating Temperature [°C] |              |                    |                |              |              |              |              |                           |                            | Drawings |      | MODEL   |
|----------------|------------------------------------|-------------------------------------------------|--------------|--------------------|----------------|--------------|--------------|--------------|--------------|---------------------------|----------------------------|----------|------|---------|
|                |                                    | Subcooled conditions [W]                        |              |                    |                |              |              |              |              |                           |                            |          |      |         |
|                |                                    | 0                                               | +5           | Rated Point +7.2°C |                |              |              | +10          | +15          | External View<br><br>ref. | Wiring Diagram<br><br>ref. |          |      |         |
| Cooling<br>[W] | [kcal/h]                           |                                                 |              | W. input<br>[W]    | Current<br>[A] | EER<br>[W/W] | [kcal/hW]    |              |              |                           |                            |          |      |         |
|                | 54,4<br>45                         | 1223<br>1411                                    | 1499<br>1717 | 1632<br>1790       | 1403<br>1539   | 680<br>760   | 3,2<br>3,7   | 2,40<br>2,36 | 2,06<br>2,02 | 1792<br>2062              | 2241<br>2444               | DWG06    | SM07 | NE7213E |
|                | 54,4<br>45                         | 1337<br>1565                                    | 1643<br>1913 | 1790<br>1933       | 1539<br>1682   | 760<br>1033  | 3,7<br>5,1   | 2,36<br>2,18 | 2,02<br>1,87 | 1987<br>2303              | 2368<br>2736               | DWG06    | SM07 | NE7215E |
|                | 54,4<br>45                         | 1682<br>1973                                    | 2065<br>2369 | 2248<br>2369       | 1933<br>2065   | 1033<br>1297 | 5,1<br>6,1   | 2,18<br>2,07 | 1,87<br>1,78 | 2494<br>2834              | 2970<br>3365               | DWG12    | SM11 | T7220F  |
|                | 54,4<br>45                         | 1947<br>2268                                    | 2439<br>2769 | 2678<br>2303       | 2303<br>2439   | 1297<br>1539 | 6,1<br>7,1   | 2,07<br>1,96 | 1,78<br>1,68 | 3000<br>3390              | 3630<br>4133               | DWG12    | SM11 | T7223F  |
|                | 54,4<br>45                         | 2017<br>2181                                    | 2588<br>2788 | 2878<br>2475       | 2475<br>2588   | 1132<br>1297 | 5,4<br>6,4   | 2,54<br>2,43 | 2,18<br>2,07 | 3284<br>3531              | 4106<br>4410               | DWG13    | SM15 | J7225F  |
|                | 54,4<br>45                         | 2017<br>2181                                    | 2588<br>2788 | 2878<br>2475       | 2475<br>2588   | 1132<br>1225 | 5,4<br>6,7   | 2,54<br>2,35 | 2,18<br>2,02 | 3284<br>3531              | 4106<br>4410               | DWG14    | SM15 | NJ7225F |
|                | 54,4<br>45                         | 2017<br>2181                                    | 2588<br>2788 | 2878<br>2475       | 2475<br>2588   | 1225<br>1321 | 6,7<br>7,8   | 2,35<br>2,52 | 2,02<br>2,17 | 3284<br>3531              | 4106<br>4410               | DWG13    | SM15 | J7225E  |
|                | 54,4<br>45                         | 2017<br>2181                                    | 2588<br>2788 | 2878<br>2475       | 2475<br>2588   | 1225<br>1321 | 6,7<br>7,8   | 2,35<br>2,52 | 2,02<br>2,17 | 3284<br>3531              | 4106<br>4410               | DWG14    | SM15 | NJ7225E |
|                | 54,4<br>45                         | 2325<br>2749                                    | 2992<br>3471 | 3326<br>2860       | 2860<br>2992   | 1321<br>1460 | 5,8<br>6,8   | 2,52<br>2,46 | 2,17<br>2,12 | 3786<br>4320              | 4707<br>5297               | DWG13    | SM15 | J7228F  |
|                | 54,4<br>45                         | 2325<br>2749                                    | 2992<br>3471 | 3326<br>2860       | 2860<br>2992   | 1321<br>1460 | 5,8<br>6,8   | 2,52<br>2,46 | 2,17<br>2,12 | 3786<br>4320              | 4707<br>5297               | DWG14    | SM15 | NJ7228F |
|                | 54,4<br>45                         | 2325<br>2749                                    | 2992<br>3471 | 3326<br>2860       | 2860<br>2992   | 1238<br>1460 | 2,7<br>2,7   | 2,69<br>2,69 | 2,31<br>2,31 | 3786<br>4320              | 4707<br>5297               | DWG13    | SM18 | J7228P  |
|                | 54,4<br>45                         | 2325<br>2749                                    | 2992<br>3471 | 3326<br>2860       | 2860<br>2992   | 1238<br>1460 | 2,7<br>2,7   | 2,69<br>2,69 | 2,31<br>2,31 | 3786<br>4320              | 4707<br>5297               | DWG14    | SM18 | NJ7228P |
|                | 54,4<br>45                         | 2726<br>3273                                    | 3315<br>3940 | 3596<br>3093       | 3093<br>3315   | 1460<br>1632 | 6,8<br>7,8   | 2,46<br>2,35 | 2,12<br>2,01 | 3974<br>4704              | 4703<br>5566               | DWG13    | SM15 | J7231F  |
|                | 54,4<br>45                         | 2726<br>3273                                    | 3315<br>3940 | 3596<br>3093       | 3093<br>3315   | 1460<br>1632 | 6,8<br>7,8   | 2,46<br>2,35 | 2,12<br>2,01 | 3974<br>4704              | 4703<br>5566               | DWG14    | SM15 | NJ7231F |
|                | 54,4<br>45                         | 2726<br>3273                                    | 3315<br>3940 | 3596<br>3093       | 3093<br>3315   | 1335<br>1632 | 3,1<br>3,1   | 2,69<br>2,69 | 2,31<br>2,31 | 3974<br>4704              | 4703<br>5566               | DWG13    | SM18 | J7231P  |
|                | 54,4<br>45                         | 2726<br>3273                                    | 3315<br>3940 | 3596<br>3093       | 3093<br>3315   | 1335<br>1632 | 3,1<br>3,1   | 2,69<br>2,69 | 2,31<br>2,31 | 3974<br>4704              | 4703<br>5566               | DWG14    | SM18 | NJ7231P |
|                | 54,4<br>45                         | 3328<br>4059                                    | 4048<br>4844 | 4416<br>3798       | 3798<br>4048   | 1959<br>2248 | 10,3<br>12,3 | 2,25<br>2,14 | 1,94<br>1,83 | 4931<br>5810              | 5976<br>6956               | DWG13    | SM15 | J7238E  |
|                | 54,4<br>45                         | 3328<br>4059                                    | 4048<br>4844 | 4416<br>3798       | 3798<br>4048   | 1959<br>2248 | 10,3<br>12,3 | 2,25<br>2,14 | 1,94<br>1,83 | 4931<br>5810              | 5976<br>6956               | DWG14    | SM15 | NJ7238E |
|                | 54,4<br>45                         | 3328<br>4059                                    | 4048<br>4844 | 4416<br>3798       | 3798<br>4048   | 1844<br>2133 | 3,5<br>4,5   | 2,40<br>2,29 | 2,06<br>1,95 | 4931<br>5810              | 5976<br>6956               | DWG13    | SM18 | J7238P  |
|                | 54,4<br>45                         | 3328<br>4059                                    | 4048<br>4844 | 4416<br>3798       | 3798<br>4048   | 1844<br>2133 | 3,5<br>4,5   | 2,40<br>2,29 | 2,06<br>1,95 | 4931<br>5810              | 5976<br>6956               | DWG14    | SM18 | NJ7238P |
|                | 54,4<br>45                         | 3617<br>3986                                    | 4443<br>4919 | 4838<br>4161       | 4161<br>4443   | 2048<br>2337 | 9,8<br>11,8  | 2,36<br>2,25 | 2,03<br>1,92 | 5369<br>5981              | 6394<br>7171               | DWG13    | SM15 | J7240F  |
|                | 54,4<br>45                         | 3617<br>3986                                    | 4443<br>4919 | 4838<br>4161       | 4161<br>4443   | 2048<br>2337 | 9,8<br>11,8  | 2,36<br>2,25 | 2,03<br>1,92 | 5369<br>5981              | 6394<br>7171               | DWG14    | SM15 | NJ7240F |
|                | 54,4<br>45                         | 3617<br>3986                                    | 4443<br>4919 | 4838<br>4161       | 4161<br>4443   | 2018<br>2307 | 3,8<br>4,8   | 2,40<br>2,29 | 2,06<br>1,95 | 5369<br>5981              | 6394<br>7171               | DWG13    | SM18 | J7240P  |
|                | 54,4<br>45                         | 3617<br>3986                                    | 4443<br>4919 | 4838<br>4161       | 4161<br>4443   | 2018<br>2307 | 3,8<br>4,8   | 2,40<br>2,29 | 2,06<br>1,95 | 5369<br>5981              | 6394<br>7171               | DWG14    | SM18 | NJ7240P |

| REFRIGERANT    | APPLICATION | FREQUENCY |
|----------------|-------------|-----------|
| R 404A / R 507 | LBP         | 50 Hz     |

| MODEL     | Displacement |       | B.O.M. | Voltage / Frequency                     | Motor Type | LRA  | Exp. Device | Lubricant    |       |        | Weight |      | Max. Height A |      | Cooling Type |  |
|-----------|--------------|-------|--------|-----------------------------------------|------------|------|-------------|--------------|-------|--------|--------|------|---------------|------|--------------|--|
|           | [cm³]        | [in³] |        |                                         |            |      |             | Charge [cm³] | [oz²] | Type   | [kg]   | [lb] | [mm]          | [in] |              |  |
| NB2112GK  | 3,78         | 0,23  | 994BN  | 200-240 V 50 Hz 1~ / 230 V 60 Hz 1~     | CSIR       | 8,8  | C/V         | 350          | 12    | POE 22 | 10,0   | 22,0 | 187,0         | 7,4  | S            |  |
| NB1117GK  | 4,52         | 0,28  | 994CN  | 200-240 V 50 Hz 1~ / 230 V 60 Hz 1~     | RSIR       | 13,1 | C           | 350          | 12    | POE 22 | 10,5   | 23,1 | 187,0         | 7,4  | F            |  |
| NB2117GK  | 4,52         | 0,28  | 994DN  | 200-240 V 50 Hz 1~ / 230 V 60 Hz 1~     | CSIR       | 9,8  | C/V         | 350          | 12    | POE 22 | 10,5   | 23,1 | 187,0         | 7,4  | F            |  |
| NB1121GK  | 6,05         | 0,37  | 995AN  | 200-240 V 50 Hz 1~ / 230 V 60 Hz 1~     | RSIR       | 16,3 | C           | 350          | 12    | POE 22 | 11,1   | 24,5 | 200,0         | 7,9  | F            |  |
| NB2121GK  | 6,05         | 0,37  | 995BN  | 200-240 V 50 Hz 1~ / 230 V 60 Hz 1~     | CSIR       | 15,0 | C/V         | 350          | 12    | POE 22 | 11,1   | 24,5 | 200,0         | 7,9  | F            |  |
| NE2125GK  | 8,78         | 0,54  | 951IA  | 220-240 V 50 Hz 1~                      | CSIR       | 13,8 | C/V         | 350          | 12    | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE2134GK  | 12,12        | 0,74  | 953AA  | 220-240 V 50 Hz 1~                      | CSIR       | 16,4 | C/V         | 350          | 12    | POE 22 | 11,7   | 25,8 | 206,0         | 8,1  | F            |  |
| NEK2117GK | 4,52         | 0,28  | 957BA  | 220-240 V 50 Hz 1~                      | CSIR       | 9,6  | C-V         | 350          | 12    | POE22  | 10,4   | 22,9 | 187           | 7,4  | S            |  |
| NEK2121GK | 5,45         | 0,33  | 957DA  | 220-240 V 50 Hz 1~                      | CSIR       | 9,6  | C-V         | 350          | 12    | POE22  | 10,4   | 22,9 | 187           | 7,4  | S            |  |
| NEK2125GK | 6,2          | 0,38  | 957EA  | 220-240 V 50 Hz 1~                      | CSIR       | 12,4 | C-V         | 350          | 12    | POE22  | 10,4   | 22,9 | 187           | 7,4  | F            |  |
| NEK2134GK | 8,78         | 0,54  | 958AA  | 220-240 V 50 Hz 1~                      | CSIR       | 16,1 | C-V         | 350          | 12    | POE22  | 11     | 24,3 | 200           | 7,9  | F            |  |
| NEK2150GK | 12,12        | 0,74  | 959AA  | 220-240 V 50 Hz 1~                      | CSIR       | 19,5 | C-V         | 350          | 12    | POE22  | 11,6   | 25,5 | 206           | 8,1  | F            |  |
| T2140GK   | 12,58        | 0,77  | 933BA  | 220-240 V 50 Hz 1~                      | CSIR       | 20,0 | C/V         | 550          | 19    | POE 22 | 14,1   | 31,1 | 201,0         | 7,9  | F            |  |
| T2155GK   | 14,50        | 0,88  | 936AA  | 220-240 V 50 Hz 1~                      | CSR        | 20,0 | C/V         | 580          | 20    | POE 22 | 16,3   | 35,9 | 221,0         | 8,7  | F            |  |
| T2155GK-  | 14,50        | 0,88  | 936BA  | 220-240 V 50 Hz 1~                      | CSIR       | 22,0 | C/V         | 580          | 20    | POE 22 | 16,6   | 36,6 | 221,0         | 8,7  | F            |  |
| T2168GK   | 17,40        | 1,06  | 936CA  | 220-240 V 50 Hz 1~                      | CSR        | 18,0 | C/V         | 580          | 20    | POE 22 | 16,8   | 37,0 | 221,0         | 8,7  | F            |  |
| T2168GK-  | 17,40        | 1,06  | 936DA  | 220-240 V 50 Hz 1~                      | CSIR       | 24,5 | C/V         | 580          | 20    | POE 22 | 17,2   | 37,9 | 221,0         | 8,7  | F            |  |
| T2178GK   | 20,40        | 1,24  | 936EA  | 220-240 V 50 Hz 1~                      | CSR        | 21,0 | C/V         | 580          | 20    | POE 22 | 17,2   | 37,9 | 221,0         | 8,7  | F            |  |
| T2178GK-  | 20,40        | 1,24  | 936FA  | 220-240 V 50 Hz 1~                      | CSIR       | 30,0 | C/V         | 580          | 20    | POE 22 | 17,3   | 38,1 | 221,0         | 8,7  | F            |  |
| T2180GK   | 22,40        | 1,37  | 936HA  | 220-240 V 50 Hz 1~                      | CSR        | 28,0 | C/V         | 580          | 20    | POE 22 | 17,3   | 38,1 | 221,0         | 8,7  | F            |  |
| T2180GJ   | 22,40        | 1,37  | 936IA  | 220-240 V 50 Hz                         | CSR        | 30,0 | C/V         | 580          | 20    | POE 22 | 17,3   | 38,1 | 221,0         | 8,7  | F            |  |
| J2192GK   | 26,20        | 1,60  | 964AA  | 220-240 V 50 Hz 1~                      | CSR        | 26,0 | C/V         | 890          | 31    | POE 22 | 20,4   | 45,0 | 265,0         | 10,4 | F            |  |
| NJ2192GK  | 26,20        | 1,60  | 944AA  | 220-240 V 50 Hz 1~                      | CSR        | 26,0 | C/V         | 890          | 31    | POE 22 | 20,4   | 45,0 | 265,0         | 10,4 | F            |  |
| J2192GS   | 26,20        | 1,60  | 968AM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890          | 31    | POE 22 | 22,8   | 50,3 | 265,0         | 10,4 | F            |  |
| NJ2192GS  | 26,20        | 1,60  | 948AM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890          | 31    | POE 22 | 22,8   | 50,3 | 265,0         | 10,4 | F            |  |
| J2212GK   | 34,37        | 2,10  | 963BA  | 220-240 V 50 Hz 1~                      | CSR        | 36,0 | C/V         | 890          | 31    | POE 22 | 21,5   | 47,4 | 277,0         | 10,9 | F            |  |
| NJ2212GK  | 34,37        | 2,10  | 943BA  | 220-240 V 50 Hz 1~                      | CSR        | 36,0 | C/V         | 890          | 31    | POE 22 | 21,5   | 47,4 | 277,0         | 10,9 | F            |  |
| J2212GS   | 34,37        | 2,10  | 967AM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890          | 31    | POE 22 | 20,4   | 45,0 | 277,0         | 10,9 | F            |  |
| NJ2212GS  | 34,37        | 2,10  | 947AM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890          | 31    | POE 22 | 20,4   | 45,0 | 277,0         | 10,9 | F            |  |

Note: Please check Test Conditions on page 1.

| REFRIGERANT    | APPLICATION | FREQUENCY |
|----------------|-------------|-----------|
| R 404A / R 507 | MBP         | 50 Hz     |

| MODEL    | Displacement |       | B.O.M. | Voltage / Frequency | Motor Type | LRA  | Exp. Device | Lubricant    |       |        | Weight |      | Max. Height A |      | Cooling Type |  |
|----------|--------------|-------|--------|---------------------|------------|------|-------------|--------------|-------|--------|--------|------|---------------|------|--------------|--|
|          | [cm³]        | [in³] |        |                     |            |      |             | Charge [cm³] | [oz²] | Type   | [kg]   | [lb] | [mm]          | [in] |              |  |
| NB6144GK | 4,52         | 0,28  | 994IA  | 220-240 V 50 Hz 1~  | CSIR       | 15,3 | C/V         | 350          | 12    | POE 22 | 10,3   | 22,7 | 187,0         | 7,4  | F            |  |
| NB6152GK | 5,02         | 0,31  | 994LA  | 220-240 V 50 Hz 1~  | CSIR       | 15,3 | C/V         | 350          | 12    | POE 22 | 10,3   | 22,7 | 187,0         | 7,4  | F            |  |
| NB6165GK | 6,05         | 0,37  | 994NA  | 220-240 V 50 Hz 1~  | CSIR       | 13,8 | C/V         | 350          | 12    | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE5181GK | 7,28         | 0,44  | 952KA  | 220-240 V 50 Hz 1~  | RSIR       | 22,2 | C           | 350          | 12    | POE 22 | 11,0   | 24,3 | 200,0         | 7,9  | F            |  |
| NE6181GK | 7,28         | 0,44  | 952LA  | 220-240 V 50 Hz 1~  | CSIR       | 16,5 | C/V         | 350          | 12    | POE 22 | 11,0   | 24,3 | 200,0         | 7,9  | F            |  |

Note: Please check Test Conditions on page 1.

| FREQUENCY | APPLICATION | REFRIGERANT    |
|-----------|-------------|----------------|
| 50 Hz     | LBP         | R 404A / R 507 |

|  | Condensing Temperature<br><br>[°C] | Cooling Capacity / Evaporating Temperature [°C]<br>Subcooled conditions [W] |     |             |              |                     |          |                 |                |              |           |              |              |              | Drawings |      | MODEL     |
|--|------------------------------------|-----------------------------------------------------------------------------|-----|-------------|--------------|---------------------|----------|-----------------|----------------|--------------|-----------|--------------|--------------|--------------|----------|------|-----------|
|  |                                    | -40                                                                         | -35 | -30         | -25          | Rated Point -23,3°C |          |                 |                |              |           | -20          | -15          | -10          |          |      |           |
|  |                                    |                                                                             |     |             |              | Cooling<br>[W]      | [kcal/h] | W. input<br>[W] | Current<br>[A] | EER<br>[W/W] | [kcal/hW] |              |              |              |          |      |           |
|  | 54,4<br>45                         | 38                                                                          | 64  | 79<br>97    | 118<br>136   | 132                 | 114      | 130             | 0,9            | 1,01         | 0,87      | 161<br>182   | 210<br>234   | 264<br>292   | DWG02    | SM05 | NB2112GK  |
|  | 54,4<br>45                         | 69                                                                          | 99  | 117<br>137  | 165<br>184   | 183                 | 157      | 158             | 1,0            | 1,15         | 0,99      | 219<br>239   | 279<br>302   | 346<br>373   | DWG02    | SM01 | NB1117GK  |
|  | 54,4<br>45                         | 64                                                                          | 95  | 114<br>134  | 160<br>181   | 178                 | 153      | 162             | 1,1            | 1,09         | 0,94      | 214<br>237   | 274<br>300   | 342<br>373   | DWG02    | SM05 | NB2117GK  |
|  | 54,4<br>45                         | 115                                                                         | 159 | 192<br>215  | 258<br>281   | 282                 | 243      | 241             | 1,7            | 1,17         | 1,01      | 334<br>359   | 419<br>448   | 515<br>548   | DWG02    | SM01 | NB1121GK  |
|  | 54,4<br>45                         | 115                                                                         | 159 | 192<br>215  | 258<br>281   | 282                 | 243      | 241             | 1,7            | 1,17         | 1,01      | 334<br>359   | 419<br>448   | 515<br>548   | DWG02    | SM05 | NB2121GK  |
|  | 54,4<br>45                         | 107                                                                         | 170 | 204<br>252  | 303<br>351   | 339                 | 292      | 314             | 2,5            | 1,08         | 0,93      | 416<br>469   | 544<br>605   | 687<br>760   | DWG03    | SM05 | NE2125GK  |
|  | 54,4<br>45                         | 125                                                                         | 236 | 283<br>363  | 424<br>508   | 476                 | 409      | 388             | 2,6            | 1,23         | 1,06      | 585<br>671   | 765<br>850   | 965<br>1047  | DWG03    | SM05 | NE2134GK  |
|  | 54,4<br>45                         | 109                                                                         | 142 | 163<br>184  | 214<br>236   | 235                 | 202      | 182             | 1,25           | 1,29         | 1,11      | 278<br>297   | 352<br>367   | 438<br>449   | DWG02    | SM05 | NEK2117GK |
|  | 54,4<br>45                         | 153                                                                         | 170 | 199<br>220  | 259<br>283   | 283                 | 243      | 219             | 1,37           | 1,29         | 1,11      | 334<br>356   | 422<br>442   | 523<br>538   | DWG03    | SM05 | NEK2121GK |
|  | 54,4<br>45                         | 156                                                                         | 202 | 243<br>262  | 314<br>334   | 341                 | 293      | 279             | 2,04           | 1,22         | 1,05      | 398<br>420   | 494<br>520   | 603<br>633   | DWG03    | SM05 | NEK2125GK |
|  | 54,4<br>45                         | 203                                                                         | 269 | 327<br>353  | 442<br>463   | 464                 | 399      | 358             | 2,35           | 1,3          | 1,11      | 544<br>579   | 679<br>720   | 833<br>879   | DWG03    | SM05 | NEK2134GK |
|  | 54,4<br>45                         | 286                                                                         | 366 | 445<br>473  | 570<br>628   | 616                 | 530      | 497             | 3,1            | 1,24         | 1,07      | 716<br>763   | 888<br>947   | 1086<br>1156 | DWG03    | SM05 | NEK2150GK |
|  | 54,4<br>45                         | 126                                                                         | 216 | 278<br>332  | 411<br>472   | 461                 | 396      | 426             | 3,1            | 1,08         | 0,93      | 566<br>636   | 744<br>826   | 946<br>1040  | DWG08    | SM09 | T2140GK   |
|  | 54,4<br>45                         | 220                                                                         | 299 | 368<br>420  | 524<br>583   | 586                 | 504      | 458             | 2,0            | 1,28         | 1,10      | 717<br>789   | 948<br>1037  | 1215<br>1327 | DWG12    | SM13 | T2155GK   |
|  | 54,4<br>45                         | 220                                                                         | 299 | 368<br>420  | 524<br>583   | 586                 | 504      | 495             | 3,6            | 1,18         | 1,01      | 717<br>789   | 948<br>1037  | 1215<br>1327 | DWG08    | SM09 | T2155GK-  |
|  | 54,4<br>45                         | 293                                                                         | 405 | 487<br>558  | 678<br>753   | 752                 | 647      | 547             | 2,5            | 1,38         | 1,19      | 906<br>988   | 1169<br>1264 | 1467<br>1582 | DWG10    | SM13 | T2168GK   |
|  | 54,4<br>45                         | 293                                                                         | 405 | 487<br>558  | 678<br>753   | 752                 | 647      | 617             | 3,9            | 1,22         | 1,05      | 906<br>988   | 1169<br>1264 | 1467<br>1582 | DWG09    | SM09 | T2168GK-  |
|  | 54,4<br>45                         | 351                                                                         | 496 | 606<br>678  | 827<br>897   | 910                 | 783      | 678             | 3,2            | 1,34         | 1,15      | 1081<br>1155 | 1368<br>1450 | 1688<br>1782 | DWG11    | SM13 | T2178GK   |
|  | 54,4<br>45                         | 351                                                                         | 496 | 606<br>678  | 827<br>897   | 910                 | 783      | 758             | 4,9            | 1,20         | 1,03      | 1081<br>1155 | 1368<br>1450 | 1688<br>1782 | DWG09    | SM09 | T2178GK-  |
|  | 54,4<br>45                         | 389                                                                         | 540 | 639<br>733  | 873<br>969   | 962                 | 827      | 841             | 3,9            | 1,14         | 0,98      | 1147<br>1246 | 1460<br>1565 | 1813<br>1927 | DWG11    | SM13 | T2180GK   |
|  | 54,4<br>45                         | 389                                                                         | 540 | 639<br>733  | 873<br>969   | 962                 | 827      | 841             | 3,9            | 1,14         | 0,98      | 1147<br>1246 | 1460<br>1565 | 1813<br>1927 | DWG11    | SM13 | T2180GJ   |
|  | 54,4<br>45                         | 418                                                                         | 629 | 752<br>880  | 1021<br>1172 | 1125                | 968      | 854             | 4,0            | 1,32         | 1,14      | 1345<br>1503 | 1725<br>1875 | 2161<br>2287 | DWG13    | SM16 | J2192GK   |
|  | 54,4<br>45                         | 418                                                                         | 629 | 752<br>880  | 1021<br>1172 | 1125                | 968      | 854             | 4,0            | 1,32         | 1,14      | 1345<br>1503 | 1725<br>1875 | 2161<br>2287 | DWG14    | SM16 | NJ2192GK  |
|  | 54,4<br>45                         | 418                                                                         | 629 | 752<br>880  | 1021<br>1172 | 1125                | 968      | 913             | 1,9            | 1,23         | 1,06      | 1345<br>1503 | 1725<br>1875 | 2161<br>2287 | DWG13    | SM18 | J2192GS   |
|  | 54,4<br>45                         | 418                                                                         | 629 | 752<br>880  | 1021<br>1172 | 1125                | 968      | 913             | 1,9            | 1,23         | 1,06      | 1345<br>1503 | 1725<br>1875 | 2161<br>2287 | DWG14    | SM18 | NJ2192GS  |
|  | 54,4<br>45                         | 491                                                                         | 753 | 945<br>1085 | 1333<br>1486 | 1477                | 1270     | 1097            | 5,3            | 1,35         | 1,16      | 1775<br>1957 | 2273<br>2496 | 2825<br>3106 | DWG13    | SM16 | J2212GK   |
|  | 54,4<br>45                         | 491                                                                         | 753 | 945<br>1085 | 1333<br>1486 | 1477                | 1270     | 1097            | 5,3            | 1,35         | 1,16      | 1775<br>1957 | 2273<br>2496 | 2825<br>3106 | DWG14    | SM16 | NJ2212GK  |
|  | 54,4<br>45                         | 491                                                                         | 753 | 945<br>1085 | 1333<br>1486 | 1477                | 1270     | 1139            | 2,0            | 1,30         | 1,12      | 1775<br>1957 | 2273<br>2496 | 2825<br>3106 | DWG13    | SM18 | J2212GS   |
|  | 54,4<br>45                         | 491                                                                         | 753 | 945<br>1085 | 1333<br>1486 | 1477                | 1270     | 1139            | 2,0            | 1,30         | 1,12      | 1775<br>1957 | 2273<br>2496 | 2825<br>3106 | DWG14    | SM18 | NJ2212GS  |

| FREQUENCY | APPLICATION | REFRIGERANT    |
|-----------|-------------|----------------|
| 50 Hz     | MBP         | R 404A / R 507 |

|  | Condensing Temperature | Cooling Capacity / Evaporating Temperature [°C] |     |     |     |     |      |                    |          |                 |                |              |           |      | Drawings      |                | MODEL    |
|--|------------------------|-------------------------------------------------|-----|-----|-----|-----|------|--------------------|----------|-----------------|----------------|--------------|-----------|------|---------------|----------------|----------|
|  |                        | Subcooled conditions [W]                        |     |     |     |     |      |                    |          |                 |                |              |           |      |               |                |          |
|  |                        |                                                 |     |     |     |     |      | Rated Point +7,2°C |          |                 |                |              |           |      | External View | Wiring Diagram |          |
|  | [°C]                   | -20                                             | -15 | -10 | -5  | 0   | +5   | Cooling<br>[W]     | [kcal/h] | W. input<br>[W] | Current<br>[A] | EER<br>[W/W] | [kcal/hW] | +10  | ref.          | ref.           |          |
|  | 54,4                   |                                                 |     | 301 | 375 | 459 | 553  | 598                | 514      | 320             | 2,1            | 1,87         | 1,61      | 658  | DWG03         | SM05           | NB6144GK |
|  | 45                     | 226                                             | 288 | 362 | 448 | 545 | 655  |                    |          |                 |                |              |           | 777  |               |                |          |
|  | 54,4                   |                                                 |     | 351 | 437 | 535 | 646  | 698                | 600      | 387             | 2,3            | 1,81         | 1,56      | 769  | DWG03         | SM05           | NB6152GK |
|  | 45                     | 267                                             | 332 | 414 | 513 | 629 | 762  |                    |          |                 |                |              |           | 911  |               |                |          |
|  | 54,4                   |                                                 |     | 429 | 528 | 641 | 768  | 828                | 712      | 488             | 2,9            | 1,70         | 1,46      | 909  | DWG03         | SM05           | NB6165GK |
|  | 45                     | 327                                             | 409 | 507 | 623 | 756 | 906  |                    |          |                 |                |              |           | 1074 |               |                |          |
|  | 54,4                   |                                                 |     | 488 | 625 | 784 | 964  | 1049               | 902      | 468             | 2,9            | 2,24         | 1,93      | 1165 | DWG03         | SM03           | NE5181GK |
|  | 45                     | 361                                             | 470 | 604 | 764 | 949 | 1160 |                    |          |                 |                |              |           | 1395 |               |                |          |
|  | 54,4                   |                                                 |     | 456 | 585 | 738 | 916  | 1002               | 862      | 460             | 2,8            | 2,18         | 1,87      | 1118 | DWG03         | SM05           | NE6181GK |
|  | 45                     | 340                                             | 444 | 575 | 731 | 913 | 1121 |                    |          |                 |                |              |           | 1354 |               |                |          |

| REFRIGERANT    | APPLICATION | FREQUENCY |
|----------------|-------------|-----------|
| R 404A / R 507 | MBP         | 50 Hz     |

| MODEL     | Displacement |       | B.O.M. | Voltage / Frequency                     | Motor Type | LRA  | Exp. Device | Lubricant |    |        | Weight |      | Max. Height A |      | Cooling Type |  |
|-----------|--------------|-------|--------|-----------------------------------------|------------|------|-------------|-----------|----|--------|--------|------|---------------|------|--------------|--|
|           | [cm³]        | [in³] |        |                                         |            |      |             | Charge    |    | Type   | [kg]   | [lb] | [mm]          | [in] |              |  |
| NE6181GK  | 7,28         | 0,44  | 952LN  | 200-240 V 50 Hz 1~ / 230 V 60 Hz 1~     | CSIR       | 13,4 | C/V         | 350       | 12 | POE 22 | 10,9   | 24,0 | 200,0         | 7,9  | F            |  |
| NE6210GK  | 8,78         | 0,54  | 951NA  | 220-240 V 50 Hz 1~                      | CSIR       | 13,8 | C/V         | 350       | 12 | POE 22 | 10,5   | 23,1 | 187,0         | 7,4  | F            |  |
| NE9213GK  | 12,12        | 0,74  | 953EA  | 220-240 V 50 Hz 1~                      | CSR        | 14,1 | C/V         | 350       | 12 | POE 22 | 10,7   | 23,6 | 206,0         | 8,1  | F            |  |
| NEK6165GK | 6,2          | 0,38  | 957IA  | 220-240 V 50 Hz 1~                      | CSIR       | 12,4 | C-V         | 350       | 12 | POE22  | 10,4   | 22,9 | 187           | 7,4  | F            |  |
| NEK6210GK | 8,78         | 0,54  | 958CA  | 220-240 V 50 Hz 1~                      | CSIR       | 10,1 | C-V         | 350       | 12 | POE22  | 11     | 24,3 | 200           | 7,9  | F            |  |
| NEK6213GK | 12,12        | 0,74  | 959BA  | 220-240 V 50 Hz 1~                      | CSIR       | 20,0 | C-V         | 350       | 12 | POE22  | 11,6   | 25,5 | 206           | 8,1  | F            |  |
| T6217GK   | 14,50        | 0,88  | 931AA  | 220-240 V 50 Hz 1~                      | CSIR       | 22,0 | C/V         | 580       | 20 | POE 22 | 16,6   | 36,6 | 221,0         | 8,7  | F            |  |
| T6220GK   | 17,40        | 1,06  | 931BA  | 220-240 V 50 Hz 1~                      | CSR        | 26,5 | C/V         | 580       | 20 | POE 22 | 16,7   | 36,8 | 221,0         | 8,7  | F            |  |
| T6222GK   | 20,40        | 1,25  | 936VA  | 220-240 V 50 Hz                         | CSR        | 29,5 | C/V         | 580       | 20 | POE 22 | 16,7   | 36,8 | 221,0         | 8,7  | F            |  |
| J9226GK   | 21,70        | 1,32  | 964LV  | 230 V 50 Hz 1~                          | CSR        | 27,5 | C/V         | 890       | 31 | POE 22 | 20,8   | 45,9 | 265,0         | 10,4 | F            |  |
| NJ9226GK  | 21,70        | 1,32  | 944LV  | 230 V 50 Hz 1~                          | CSR        | 27,5 | C/V         | 890       | 31 | POE 22 | 20,8   | 45,9 | 265,0         | 10,4 | F            |  |
| J9226GS   | 21,70        | 1,32  | 968LM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 10,0 | C/V         | 890       | 31 | POE 22 | 19,7   | 43,4 | 265,0         | 10,4 | F            |  |
| NJ9226GS  | 21,70        | 1,32  | 948LM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 10,0 | C/V         | 890       | 31 | POE 22 | 19,7   | 43,4 | 265,0         | 10,4 | F            |  |
| J9232GK   | 26,20        | 1,60  | 963NA  | 220-240 V 50 Hz 1~                      | CSR        | 43,0 | C/V         | 890       | 31 | POE 22 | 22,1   | 48,7 | 277,0         | 10,9 | F            |  |
| NJ9232GK  | 26,20        | 1,60  | 943NA  | 220-240 V 50 Hz 1~                      | CSR        | 43,0 | C/V         | 890       | 31 | POE 22 | 22,1   | 48,7 | 277,0         | 10,9 | F            |  |
| J9232GK   | 26,20        | 1,60  | 963NV  | 230 V 50 Hz 1~                          | CSR        | 33,7 | C/V         | 890       | 31 | POE 22 | 21,6   | 47,6 | 277,0         | 10,9 | F            |  |
| NJ9232GK  | 26,20        | 1,60  | 943NV  | 230 V 50 Hz 1~                          | CSR        | 33,7 | C/V         | 890       | 31 | POE 22 | 21,6   | 47,6 | 277,0         | 10,9 | F            |  |
| J9232GS   | 26,20        | 1,60  | 967NM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890       | 31 | POE 22 | 22,1   | 48,7 | 277,0         | 10,9 | F            |  |
| NJ9232GS  | 26,20        | 1,60  | 947NM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890       | 31 | POE 22 | 22,1   | 48,7 | 277,0         | 10,9 | F            |  |
| J9238GK   | 32,70        | 2,00  | 963RV  | 230 V 50 Hz 1~                          | CSR        | 43,0 | C/V         | 890       | 31 | POE 22 | 22,1   | 48,7 | 277,0         | 10,9 | F            |  |
| NJ9238GK  | 32,70        | 2,00  | 943RV  | 230 V 50 Hz 1~                          | CSR        | 43,0 | C/V         | 890       | 31 | POE 22 | 22,1   | 48,7 | 277,0         | 10,9 | F            |  |
| J9238GS   | 32,70        | 2,00  | 967RM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890       | 31 | POE 22 | 21,7   | 47,8 | 277,0         | 10,9 | F            |  |
| NJ9238GS  | 32,70        | 2,00  | 947RM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890       | 31 | POE 22 | 21,7   | 47,8 | 277,0         | 10,9 | F            |  |

Note: Please check Test Conditions on page 1.

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 407C      | AC          | 50 Hz     |

| MODEL    | Displacement |       | B.O.M. | Voltage / Frequency                     | Motor Type | LRA  | Exp. Device | Lubricant |    |        | Weight |      | Max. Height A |      | Cooling Type |  |
|----------|--------------|-------|--------|-----------------------------------------|------------|------|-------------|-----------|----|--------|--------|------|---------------|------|--------------|--|
|          | [cm³]        | [in³] |        |                                         |            |      |             | Charge    |    | Type   | [kg]   | [lb] | [mm]          | [in] |              |  |
| NE7213GF | 12,12        | 0,73  | 954CA  | 220-240 V 50 Hz 1~                      | PSC        | 13,0 | C           | 350       | 12 | POE 22 | 11,6   | 25,6 | 218,0         | 8,6  | F            |  |
| NE7215GF | 13,54        | 0,81  | 954HA  | 220-240 V 50 Hz 1~                      | PSC        | 19,0 | C           | 350       | 12 | POE 22 | 11,9   | 26,2 | 218,0         | 8,6  | F            |  |
| T7220GF  | 17,40        | 1,06  | 936XA  | 220-240 V 50 Hz                         | PSC        | 26,0 | C/V         | 580       | 20 | POE 22 | 15,0   | 33,1 | 221,0         | 8,7  | F            |  |
| T7223GF  | 20,40        | 1,24  | 936OA  | 220-240 V 50 Hz 1~                      | PSC        | 30,0 | C           | 580       | 20 | POE 22 | 15,4   | 34,0 | 221,0         | 8,7  | F            |  |
| J7225GE  | 21,70        | 1,32  | 962AA  | 220-240 V 50 Hz 1~                      | PSC        | 30,0 | C           | 890       | 31 | POE 22 | 19,3   | 42,5 | 253,0         | 10,0 | F            |  |
| NJ7225GE | 21,70        | 1,32  | 942AA  | 220-240 V 50 Hz 1~                      | PSC        | 30,0 | C           | 890       | 31 | POE 22 | 19,3   | 42,5 | 253,0         | 10,0 | F            |  |
| J7228GE  | 23,80        | 1,45  | 962DA  | 220-240 V 50 Hz 1~                      | PSC        | 30,0 | C           | 890       | 31 | POE 22 | 20,0   | 44,1 | 253,0         | 10,0 | F            |  |
| NJ7228GE | 23,80        | 1,45  | 942DA  | 220-240 V 50 Hz 1~                      | PSC        | 30,0 | C           | 890       | 31 | POE 22 | 20,0   | 44,1 | 253,0         | 10,0 | F            |  |
| J7231GF  | 26,20        | 1,60  | 964EA  | 220-240 V 50 Hz 1~                      | PSC        | 37,0 | C           | 890       | 31 | POE 22 | 20,4   | 45,0 | 265,0         | 10,4 | F            |  |
| NJ7231GF | 26,20        | 1,60  | 944EA  | 220-240 V 50 Hz 1~                      | PSC        | 37,0 | C           | 890       | 31 | POE 22 | 20,4   | 45,0 | 265,0         | 10,4 | F            |  |
| J7231GP  | 26,20        | 1,60  | 968CM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 18,0 | C/V         | 890       | 31 | POE 22 | 20,1   | 44,3 | 265,0         | 10,4 | F            |  |
| NJ7231GP | 26,20        | 1,60  | 948CM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 18,0 | C/V         | 890       | 31 | POE 22 | 20,1   | 44,3 | 265,0         | 10,4 | F            |  |

Note: Please check Test Conditions on page 1.

| FREQUENCY | APPLICATION | REFRIGERANT    |
|-----------|-------------|----------------|
| 50 Hz     | MBP         | R 404A / R 507 |

|  | Condensing Temperature<br><br>[°C] | Cooling Capacity / Evaporating Temperature [°C] |      |              |              |              |              |                    |          |                 |                |       |               | Drawings       |       | MODEL |           |
|--|------------------------------------|-------------------------------------------------|------|--------------|--------------|--------------|--------------|--------------------|----------|-----------------|----------------|-------|---------------|----------------|-------|-------|-----------|
|  |                                    | Subcooled conditions [W]                        |      |              |              |              |              |                    |          |                 |                |       |               |                |       |       |           |
|  |                                    | -20                                             | -15  | -10          | -5           | 0            | +5           | Rated Point +7,2°C |          | EER             |                | +10   | External View | Wiring Diagram |       |       |           |
|  |                                    |                                                 |      |              |              |              |              | Cooling<br>[W]     | [kcal/h] | W. input<br>[W] | Current<br>[A] | [W/W] | [kcal/hW]     |                | ref.  | ref.  |           |
|  | 54,4<br>45                         | 356                                             | 463  | 479<br>596   | 613<br>754   | 767<br>938   | 942<br>1147  | 1025               | 882      | 468             | 3,0            | 2,19  | 1,88          | 1137<br>1382   | DWG03 | SM05  | NE6181GK  |
|  | 54,4<br>45                         | 415                                             | 550  | 566<br>708   | 721<br>888   | 893<br>1090  | 1082<br>1315 | 1170               | 1006     | 591             | 3,3            | 1,98  | 1,70          | 1288<br>1561   | DWG03 | SM05  | NE6210GK  |
|  | 54,4<br>45                         | 644                                             | 833  | 862<br>1055  | 1080<br>1309 | 1327<br>1596 | 1602<br>1914 | 1732               | 1490     | 768             | 3,5            | 2,26  | 1,94          | 1906<br>2265   | DWG04 | SM06  | NE9213GK  |
|  | 54,4<br>45                         | 436                                             | 512  | 520<br>610   | 626<br>734   | 751<br>883   | 895<br>1056  | 965                | 830      | 471             | 2,54           | 2,04  | 1,76          | 1059<br>1253   | DWG03 | SM05  | NEK6165GK |
|  | 54,4<br>45                         | 566                                             | 674  | 669<br>815   | 821<br>988   | 999<br>1195  | 1205<br>1435 | 1303               | 1121     | 628             | 3,49           | 2,07  | 1,79          | 1436<br>1707   | DWG03 | SM05  | NEK6210GK |
|  | 54,4<br>45                         | 695                                             | 884  | 919<br>1093  | 1120<br>1333 | 1350<br>1600 | 1610<br>1894 | 1736               | 1493     | 982             | 5,52           | 1,77  | 1,52          | 1901<br>2215   | DWG03 | SM05  | NEK6213GK |
|  | 54,4<br>45                         | 680                                             | 922  | 959<br>1195  | 1220<br>1499 | 1512<br>1833 | 1833<br>2198 | 1984               | 1706     | 1010            | 5,4            | 1,96  | 1,69          | 2184<br>2594   | DWG08 | SM08  | T6217GK   |
|  | 54,4<br>45                         | 842                                             | 1124 | 1161<br>1444 | 1471<br>1802 | 1823<br>2197 | 2214<br>2630 | 2400               | 2064     | 1104            | 5,1            | 2,17  | 1,87          | 2647<br>3101   | DWG12 | SM12  | T6220GK   |
|  | 54,4<br>45                         | 1074                                            | 1392 | 1456<br>1764 | 1822<br>2190 | 2233<br>2670 | 2686<br>3204 | 2895               | 2490     | 1318            | 6,2            | 2,20  | 1,89          | 3184<br>3794   | DWG12 | SM12  | T6222GK   |
|  | 54,4<br>45                         | 1165                                            | 1508 | 1584<br>1922 | 1998<br>2409 | 2470<br>2968 | 2998<br>3598 | 3249               | 2794     | 1325            | 5,8            | 2,45  | 2,11          | 3584<br>4300   | DWG13 | SM17  | J9226GK   |
|  | 54,4<br>45                         | 1165                                            | 1508 | 1584<br>1922 | 1998<br>2409 | 2470<br>2968 | 2998<br>3598 | 3249               | 2794     | 1325            | 5,8            | 2,45  | 2,11          | 3584<br>4300   | DWG14 | SM17  | NJ9226GK  |
|  | 54,4<br>45                         | 1165                                            | 1508 | 1584<br>1922 | 1998<br>2409 | 2470<br>2968 | 2998<br>3598 | 3249               | 2794     | 1300            | 2,4            | 2,50  | 2,15          | 3584<br>4300   | DWG13 | SM18  | J9226GS   |
|  | 54,4<br>45                         | 1165                                            | 1508 | 1584<br>1922 | 1998<br>2409 | 2470<br>2968 | 2998<br>3598 | 3249               | 2794     | 1300            | 2,4            | 2,50  | 2,15          | 3584<br>4300   | DWG14 | SM18  | NJ9226GS  |
|  | 54,4<br>45                         | 1421                                            | 1841 | 1940<br>2354 | 2456<br>2959 | 3045<br>3656 | 3706<br>4444 | 4021               | 3458     | 1576            | 7,2            | 2,55  | 2,19          | 4441<br>5325   | DWG13 | SM17  | J9232GK   |
|  | 54,4<br>45                         | 1421                                            | 1841 | 1940<br>2354 | 2456<br>2959 | 3045<br>3656 | 3706<br>4444 | 4021               | 3458     | 1576            | 7,2            | 2,55  | 2,19          | 4441<br>5325   | DWG14 | SM17  | NJ9232GK  |
|  | 54,4<br>45                         | 1421                                            | 1841 | 1940<br>2354 | 2456<br>2959 | 3045<br>3656 | 3706<br>4444 | 4021               | 3458     | 1673            | 7,7            | 2,40  | 2,06          | 4441<br>5325   | DWG13 | SM17  | J9232GK   |
|  | 54,4<br>45                         | 1421                                            | 1841 | 1940<br>2354 | 2456<br>2959 | 3045<br>3656 | 3706<br>4444 | 4021               | 3458     | 1673            | 7,7            | 2,40  | 2,06          | 4441<br>5325   | DWG14 | SM17  | NJ9232GK  |
|  | 54,4<br>45                         | 1421                                            | 1841 | 1940<br>2354 | 2456<br>2959 | 3045<br>3656 | 3706<br>4444 | 4021               | 3458     | 1615            | 2,9            | 2,49  | 2,14          | 4441<br>5325   | DWG13 | SM18  | J9232GS   |
|  | 54,4<br>45                         | 1421                                            | 1841 | 1940<br>2354 | 2456<br>2959 | 3045<br>3656 | 3706<br>4444 | 4021               | 3458     | 1615            | 2,9            | 2,49  | 2,14          | 4441<br>5325   | DWG14 | SM18  | NJ9232GS  |
|  | 54,4<br>45                         | 1845                                            | 2374 | 2415<br>2990 | 3014<br>3693 | 3697<br>4481 | 4463<br>5356 | 4827               | 4151     | 2109            | 9,6            | 2,29  | 1,97          | 5313<br>6317   | DWG13 | SM17  | J9238GK   |
|  | 54,4<br>45                         | 1845                                            | 2374 | 2415<br>2990 | 3014<br>3693 | 3697<br>4481 | 4463<br>5356 | 4827               | 4151     | 2109            | 9,6            | 2,29  | 1,97          | 5313<br>6317   | DWG14 | SM17  | NJ9238GK  |
|  | 54,4<br>45                         | 1845                                            | 2374 | 2415<br>2990 | 3014<br>3693 | 3697<br>4481 | 4463<br>5356 | 4827               | 4151     | 1900            | 4,0            | 2,54  | 2,18          | 5313<br>6317   | DWG13 | SM18  | J9238GS   |
|  | 54,4<br>45                         | 1845                                            | 2374 | 2415<br>2990 | 3014<br>3693 | 3697<br>4481 | 4463<br>5356 | 4827               | 4151     | 1900            | 4,0            | 2,54  | 2,18          | 5313<br>6317   | DWG14 | SM18  | NJ9238GS  |

| FREQUENCY | APPLICATION | REFRIGERANT |
|-----------|-------------|-------------|
| 50 Hz     | AC          | R 407C      |

|  | Condensing Temperature | Cooling Capacity / Evaporating Temperature [°C] |      |                    |          |          |         |       |           |      |      | Drawings      |                | MODEL    |
|--|------------------------|-------------------------------------------------|------|--------------------|----------|----------|---------|-------|-----------|------|------|---------------|----------------|----------|
|  |                        | Subcooled conditions [W]                        |      |                    |          |          |         |       |           |      |      |               |                |          |
|  |                        |                                                 |      | Rated Point +7,2°C |          |          |         |       |           |      |      | External View | Wiring Diagram |          |
|  | [°C]                   | 0                                               | +5   | Cooling            |          | W. input | Current | EER   |           | +10  | +15  | ref.          | ref.           |          |
|  |                        |                                                 |      | [W]                | [kcal/h] | [W]      | [A]     | [W/W] | [kcal/hW] |      |      |               |                |          |
|  | 54,4                   | 1191                                            | 1472 | 1607               | 1382     | 664      | 3,2     | 2,42  | 2,08      | 1784 | 2128 | DWG07         | SM07           | NE7213GF |
|  | 45                     | 1384                                            | 1708 |                    |          |          |         |       |           | 2070 | 2471 |               |                |          |
|  | 54,4                   | 1286                                            | 1607 | 1762               | 1515     | 726      | 3,6     | 2,43  | 2,09      | 1966 | 2366 | DWG07         | SM07           | NE7215GF |
|  | 45                     | 1531                                            | 1891 |                    |          |          |         |       |           | 2292 | 2734 |               |                |          |
|  | 54,4                   | 1664                                            | 2071 | 2270               | 1952     | 982      | 5,0     | 2,31  | 1,99      | 2523 | 3019 | DWG12         | SM11           | T7220GF  |
|  | 45                     | 1972                                            | 2428 |                    |          |          |         |       |           | 2929 | 3476 |               |                |          |
|  | 54,4                   | 1951                                            | 2428 | 2660               | 2288     | 1151     | 5,9     | 2,31  | 1,99      | 2958 | 3540 | DWG12         | SM11           | T7223GF  |
|  | 45                     | 2312                                            | 2487 |                    |          |          |         |       |           | 3434 | 4074 |               |                |          |
|  | 54,4                   | 2140                                            | 2652 | 2897               | 2491     | 1200     | 6,0     | 2,41  | 2,08      | 3216 | 3835 | DWG13         | SM15           | J7225GE  |
|  | 45                     | 2523                                            | 3099 |                    |          |          |         |       |           | 3741 | 4448 |               |                |          |
|  | 54,4                   | 2140                                            | 2652 | 2897               | 2491     | 1200     | 6,0     | 2,41  | 2,08      | 3216 | 3835 | DWG14         | SM15           | NJ7225GE |
|  | 45                     | 2523                                            | 3099 |                    |          |          |         |       |           | 3741 | 4448 |               |                |          |
|  | 54,4                   | 2347                                            | 2908 | 3177               | 2732     | 1316     | 6,6     | 2,41  | 2,08      | 3528 | 4206 | DWG13         | SM15           | J7228GE  |
|  | 45                     | 2767                                            | 3399 |                    |          |          |         |       |           | 4102 | 4878 |               |                |          |
|  | 54,4                   | 2347                                            | 2908 | 3177               | 2732     | 1316     | 6,6     | 2,41  | 2,08      | 3528 | 4206 | DWG14         | SM15           | NJ7228GE |
|  | 45                     | 2767                                            | 3399 |                    |          |          |         |       |           | 4102 | 4878 |               |                |          |
|  | 54,4                   | 2584                                            | 3201 | 3497               | 3007     | 1448     | 7,3     | 2,42  | 2,08      | 3884 | 4630 | DWG13         | SM15           | J7231GF  |
|  | 45                     | 3047                                            | 3742 |                    |          |          |         |       |           | 4517 | 5370 |               |                |          |
|  | 54,4                   | 2584                                            | 3201 | 3497               | 3007     | 1448     | 7,3     | 2,42  | 2,08      | 3884 | 4630 | DWG14         | SM15           | NJ7231GF |
|  | 45                     | 3047                                            | 3742 |                    |          |          |         |       |           | 4517 | 5370 |               |                |          |
|  | 54,4                   | 2584                                            | 3201 | 3497               | 3007     | 1398     | 2,7     | 2,50  | 2,15      | 3884 | 4630 | DWG13         | SM18           | J7231GP  |
|  | 45                     | 3047                                            | 3742 |                    |          |          |         |       |           | 4517 | 5370 |               |                |          |
|  | 54,4                   | 2584                                            | 3201 | 3497               | 3007     | 1398     | 2,7     | 2,50  | 2,15      | 3884 | 4630 | DWG14         | SM18           | NJ7231GP |
|  | 45                     | 3047                                            | 3742 |                    |          |          |         |       |           | 4517 | 5370 |               |                |          |

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 407C      | AC          | 50 Hz     |

| MODEL    | Displacement |       | B.O.M. | Voltage / Frequency                     | Motor Type | LRA  | Exp. Device | Lubricant    |       |        | Weight |      | Max. Height A |      | Cooling Type |  |
|----------|--------------|-------|--------|-----------------------------------------|------------|------|-------------|--------------|-------|--------|--------|------|---------------|------|--------------|--|
|          | [cm³]        | [in³] |        |                                         |            |      |             | Charge [cm³] | [oz²] | Type   | [kg]   | [lb] | [mm]          | [in] |              |  |
| J7238GE  | 32,70        | 2,00  | 963HA  | 220-240 V 50 Hz 1~                      | PSC        | 51,0 | C           | 890          | 31    | POE 22 | 21,4   | 47,2 | 277,0         | 10,9 | F            |  |
| NJ7238GE | 32,70        | 2,00  | 943HA  | 220-240 V 50 Hz 1~                      | PSC        | 51,0 | V           | 890          | 31    | POE 22 | 21,4   | 47,2 | 277,0         | 10,9 | F            |  |
| J7238GP  | 32,70        | 2,00  | U.D.   | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890          | 31    | POE 22 | 20,9   | 46,1 | 277,0         | 10,9 | F            |  |
| NJ7238GP | 32,70        | 2,00  | U.D.   | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890          | 31    | POE 22 | 20,9   | 46,1 | 277,0         | 10,9 | F            |  |
| J7240GF  | 34,37        | 2,10  | 963FA  | 220-240 V 50 Hz 1~                      | PSC        | 50,0 | C           | 890          | 31    | POE 22 | 22,3   | 49,2 | 277,0         | 10,9 | F            |  |
| NJ7240GF | 34,37        | 2,10  | 943FA  | 220-240 V 50 Hz 1~                      | PSC        | 50,0 | C           | 890          | 31    | POE 22 | 22,3   | 49,2 | 277,0         | 10,9 | F            |  |
| J7240GP  | 34,37        | 2,10  | 967CM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890          | 31    | POE 22 | 21,4   | 47,2 | 277,0         | 10,9 | F            |  |
| NJ7240GP | 34,37        | 2,10  | 947CM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890          | 31    | POE 22 | 21,4   | 47,2 | 277,0         | 10,9 | F            |  |

Note: Please check Test Conditions on page 1.

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 600a      | LBP         | 50 Hz     |

| MODEL    | Displacement |       | B.O.M. | Voltage / Frequency | Motor Type | LRA | Exp. Device | Lubricant    |       |       | Weight |      | Max. Height A |      | Cooling Type |  |
|----------|--------------|-------|--------|---------------------|------------|-----|-------------|--------------|-------|-------|--------|------|---------------|------|--------------|--|
|          | [cm³]        | [in³] |        |                     |            |     |             | Charge [cm³] | [oz²] | Type  | [kg]   | [lb] | [mm]          | [in] |              |  |
| NBM1114Y | 10,00        | 0,61  | 887EA  | 220-240 V 50 Hz 1~  | RSIR RSCR  | 6,3 | C           | 350          | 12    | MO 15 | 10,1   | 22,3 | 187,0         | 7,4  | S            |  |
| NBM1116Y | 12,30        | 0,75  | 888AA  | 220-240 V 50 Hz 1~  | RSIR RSCR  | 7,1 | C           | 350          | 12    | MO 15 | 10,7   | 23,6 | 200,0         | 7,9  | S            |  |
| NBM1118Y | 14,30        | 0,87  | 888BA  | 220-240 V 50 Hz 1~  | RSIR RSCR  | 8,1 | C           | 350          | 12    | MO 15 | 10,7   | 23,6 | 200,0         | 7,9  | S            |  |

Note: Please check Test Conditions on page 1.

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 600a      | HBP         | 50 Hz     |

| MODEL    | Displacement |       | B.O.M. | Voltage / Frequency | Motor Type | LRA  | Exp. Device | Lubricant    |       |       | Weight |      | Max. Height A |      | Cooling Type |  |
|----------|--------------|-------|--------|---------------------|------------|------|-------------|--------------|-------|-------|--------|------|---------------|------|--------------|--|
|          | [cm³]        | [in³] |        |                     |            |      |             | Charge [cm³] | [oz²] | Type  | [kg]   | [lb] | [mm]          | [in] |              |  |
| BPE5125Y | 4,60         | 0,28  | 827LA  | 220-240 V 50 Hz 1~  | RSIR RSCR  | 3,2  | C           | 200          | 7     | MO 32 | 7,1    | 15,7 | 150,0         | 5,9  | S            |  |
| BPE5128Y | 5,50         | 0,34  | 827MA  | 220-240 V 50 Hz 1~  | RSIR RSCR  | 4,0  | C           | 200          | 7     | MO 32 | 7,3    | 16,1 | 150,0         | 5,9  | S            |  |
| BPE5132Y | 6,60         | 0,40  | 827NA  | 220-240 V 50 Hz 1~  | RSIR RSCR  | 4,9  | C           | 200          | 7     | MO 32 | 7,5    | 16,5 | 150,0         | 5,9  | S            |  |
| NEK6144Y | 10           | 0,61  | 861HA  | 220-240 V 50 Hz 1~  | CSIR       | 12,4 | C-V         | 350          | 12    | MO 32 | 10,4   | 22,9 | 187           | 7,4  | F            |  |
| NEK6160Y | 12,12        | 0,74  | 861IA  | 220-240 V 50 Hz 1~  | CSIR       | 12,4 | C-V         | 350          | 12    | MO 32 | 10,4   | 22,9 | 187           | 7,4  | F            |  |

Note: Please check Test Conditions on page 1.

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 290       | LBP         | 50 Hz     |

| MODEL    | Displacement |       | B.O.M. | Voltage / Frequency | Motor Type | LRA  | Exp. Device | Lubricant    |       |       | Weight |      | Max. Height A |      | Cooling Type |  |
|----------|--------------|-------|--------|---------------------|------------|------|-------------|--------------|-------|-------|--------|------|---------------|------|--------------|--|
|          | [cm³]        | [in³] |        |                     |            |      |             | Charge [cm³] | [oz²] | Type  | [kg]   | [lb] | [mm]          | [in] |              |  |
| NEK2125U | 7,28         | 0,44  | 861CA  | 220-240 V 50 Hz 1~  | CSIR       | 12,4 | C-V         | 350          | 12    | MO 68 | 10,4   | 22,9 | 187           | 7,4  | F            |  |
| NEK2134U | 10           | 0,61  | 862AA  | 220-240 V 50 Hz 1~  | CSIR       | 13,1 | C-V         | 350          | 12    | MO 68 | 11     | 24,3 | 200           | 7,9  | F            |  |
| NEK2150U | 13,54        | 0,81  | 863AA  | 220-240 V 50 Hz 1~  | CSIR       | 19,5 | C-V         | 350          | 12    | MO 68 | 11,6   | 25,5 | 206           | 8,1  | F            |  |

Note: Please check Test Conditions on page 1.



| FREQUENCY |  | APPLICATION |  | REFRIGERANT |  |
|-----------|--|-------------|--|-------------|--|
| 50 Hz     |  | AC          |  | R 407C      |  |

|      | Condensing Temperature | Cooling Capacity / Evaporating Temperature [°C] |      |                    |             |          |     |      |       |           |      | Drawings |      | MODEL    |
|------|------------------------|-------------------------------------------------|------|--------------------|-------------|----------|-----|------|-------|-----------|------|----------|------|----------|
|      |                        | Subcooled conditions [W]                        |      |                    |             |          |     |      |       |           |      |          |      |          |
|      |                        | 0                                               | +5   | Rated Point +7.2°C |             |          |     |      |       | +10       | +15  |          |      |          |
|      | Cooling                |                                                 |      | W. input [W]       | Current [A] | EER      |     |      |       |           |      |          |      |          |
| [°C] |                        |                                                 | [W]  |                    |             | [kcal/h] |     |      | [W/W] | [kcal/hW] |      |          | ref. | ref.     |
|      | 54,4                   | 3220                                            | 3990 | 4357               | 3747        | 1805     | 9,1 | 2,41 | 2,08  | 4840      | 5770 | DWG13    | SM15 | J7238GE  |
|      | 45                     | 3797                                            | 4663 |                    |             |          |     |      |       | 5629      | 6692 |          |      |          |
|      | 54,4                   | 3220                                            | 3990 | 4357               | 3747        | 1805     | 9,1 | 2,41 | 2,08  | 4840      | 5770 | DWG14    | SM15 | NJ7238GE |
|      | 45                     | 3797                                            | 4663 |                    |             |          |     |      |       | 5629      | 6692 |          |      |          |
|      | 54,4                   | 3220                                            | 3990 | 4357               | 3747        | 1742     | 3,2 | 2,50 | 2,15  | 4840      | 5770 | DWG13    | SM18 | J7238GP  |
|      | 45                     | 3797                                            | 4663 |                    |             |          |     |      |       | 5629      | 6692 |          |      |          |
|      | 54,4                   | 3220                                            | 3990 | 4357               | 3747        | 1742     | 3,2 | 2,50 | 2,15  | 4840      | 5770 | DWG14    | SM18 | NJ7238GP |
|      | 45                     | 3797                                            | 4663 |                    |             |          |     |      |       | 5629      | 6692 |          |      |          |
|      | 54,4                   | 3390                                            | 4200 | 4587               | 3945        | 1900     | 9,6 | 2,41 | 2,08  | 5095      | 6074 | DWG13    | SM15 | J7240GF  |
|      | 45                     | 4909                                            | 5926 |                    |             |          |     |      |       | 7044      | 8267 |          |      |          |
|      | 54,4                   | 3390                                            | 4200 | 4587               | 3945        | 1900     | 9,6 | 2,41 | 2,08  | 5095      | 6074 | DWG14    | SM15 | NJ7240GF |
|      | 45                     | 4909                                            | 5926 |                    |             |          |     |      |       | 7044      | 8267 |          |      |          |
|      | 54,4                   | 3390                                            | 4200 | 4587               | 3945        | 1833     | 3,4 | 2,50 | 2,15  | 5095      | 6074 | DWG13    | SM18 | J7240GP  |
|      | 45                     | 4909                                            | 5926 |                    |             |          |     |      |       | 7044      | 8267 |          |      |          |
|      | 54,4                   | 3390                                            | 4200 | 4587               | 3945        | 1833     | 3,4 | 2,50 | 2,15  | 5095      | 6074 | DWG14    | SM18 | NJ7240GP |
|      | 45                     | 4909                                            | 5926 |                    |             |          |     |      |       | 7044      | 8267 |          |      |          |

| FREQUENCY |  | APPLICATION |  | REFRIGERANT |  |
|-----------|--|-------------|--|-------------|--|
| 50 Hz     |  | LBP         |  | R 600a      |  |

|      | Condensing Temperature | Cooling Capacity / Evaporating Temperature [°C] |     |                     |         |          |     |      |       |           |     |     |     | Drawings      |                | MODEL    |
|------|------------------------|-------------------------------------------------|-----|---------------------|---------|----------|-----|------|-------|-----------|-----|-----|-----|---------------|----------------|----------|
|      |                        | Subcooled conditions [W]                        |     |                     |         |          |     |      |       |           |     |     |     |               |                |          |
|      |                        | -30                                             | -25 | Rated Point -23,3°C |         |          |     |      |       | -20       | -15 | -10 | -5  | External View | Wiring Diagram |          |
|      | Cooling                |                                                 |     | W. input            | Current | EER      |     |      |       |           |     |     |     |               |                |          |
| [°C] |                        |                                                 | [W] |                     |         | [kcal/h] | [W] | [A]  | [W/W] | [kcal/hW] |     |     |     |               | ref.           | ref.     |
|      | 54,4                   |                                                 | 139 | 153                 | 132     | 118      | 0,8 | 1,30 | 1,12  | 184       | 236 | 295 | 362 | DWG02         | SM00           | NBM1114Y |
|      | 45                     | 114                                             | 151 |                     |         |          |     |      |       | 196       | 249 | 311 | 381 |               |                |          |
|      | 54,4                   |                                                 | 176 | 191                 | 164     | 143      | 1,0 | 1,34 | 1,15  | 225       | 285 | 357 | 440 | DWG02         | SM00           | NBM1116Y |
|      | 45                     | 149                                             | 188 |                     |         |          |     |      |       | 240       | 305 | 383 | 474 |               |                |          |
|      | 54,4                   |                                                 | 203 | 221                 | 190     | 162      | 1,1 | 1,37 | 1,18  | 260       | 330 | 412 | 507 | DWG02         | SM00           | NBM1118Y |
|      | 45                     | 172                                             | 217 |                     |         |          |     |      |       | 277       | 351 | 439 | 541 |               |                |          |

| FREQUENCY |  | APPLICATION |  | REFRIGERANT |  |
|-----------|--|-------------|--|-------------|--|
| 50 Hz     |  | HBP         |  | R 600a      |  |

|      | Condensing Temperature | Cooling Capacity / Evaporating Temperature [°C] |     |     |     |     |                    |                |          |      |      |       |           | Drawings |      | MODEL    |
|------|------------------------|-------------------------------------------------|-----|-----|-----|-----|--------------------|----------------|----------|------|------|-------|-----------|----------|------|----------|
|      |                        | Subcooled conditions [W]                        |     |     |     |     |                    |                |          |      |      |       |           |          |      |          |
|      |                        | -15                                             | -10 | -5  | 0   | +5  | Rated Point +7,2°C |                |          |      |      |       | +10       |          |      |          |
|      | Cooling                |                                                 |     |     |     |     | W. input<br>[W]    | Current<br>[A] | EER      |      |      |       |           |          |      |          |
| [°C] |                        |                                                 |     |     |     | [W] |                    |                | [kcal/h] |      |      | [W/W] | [kcal/hW] |          | ref. | ref.     |
|      | 54,4                   |                                                 |     | 173 | 211 | 254 | 275                | 237            | 108      | 0,7  | 2,54 | 2,19  | 302       | DWG01    | SM00 | BPE5125Y |
|      | 45                     | 118                                             | 148 | 183 | 222 | 266 |                    |                |          |      |      |       | 315       |          |      |          |
|      | 54,4                   |                                                 |     | 208 | 254 | 305 | 330                | 284            | 138      | 0,8  | 2,38 | 2,05  | 363       | DWG01    | SM00 | BPE5128Y |
|      | 45                     | 143                                             | 180 | 223 | 271 | 326 |                    |                |          |      |      |       | 386       |          |      |          |
|      | 54,4                   |                                                 |     | 255 | 311 | 374 | 403                | 347            | 171      | 0,9  | 2,36 | 2,04  | 443       | DWG01    | SM00 | BPE5132Y |
|      | 45                     | 173                                             | 218 | 269 | 328 | 394 |                    |                |          |      |      |       | 468       |          |      |          |
|      | 54,4                   |                                                 |     | 330 | 412 | 505 | 550                | 473            | 229      | 1,74 | 2,40 | 2,07  | 609       | DWG03    | SM05 | NEK6144Y |
|      | 45                     | 234                                             | 298 | 373 | 460 | 563 |                    |                |          |      |      |       | 676       |          |      |          |
|      | 54,4                   |                                                 |     | 412 | 510 | 622 | 678                | 583            | 268      | 1,84 | 2,53 | 2,17  | 750       | DWG03    | SM05 | NEK6160Y |
|      | 45                     | 291                                             | 370 | 464 | 572 | 694 |                    |                |          |      |      |       | 833       |          |      |          |

| FREQUENCY |  | APPLICATION |  | REFRIGERANT |  |
|-----------|--|-------------|--|-------------|--|
| 50 Hz     |  | LBP         |  | R 290       |  |

|      | Condensing Temperature | Cooling Capacity / Evaporating Temperature [°C] |     |     |     |                     |         |          |      |      |       |           |     | Drawings |       | MODEL |          |
|------|------------------------|-------------------------------------------------|-----|-----|-----|---------------------|---------|----------|------|------|-------|-----------|-----|----------|-------|-------|----------|
|      |                        | Subcooled conditions [W]                        |     |     |     |                     |         |          |      |      |       |           |     |          |       |       |          |
|      |                        | -40                                             | -35 | -30 | -25 | Rated Point -23.3°C |         |          |      |      |       | -20       | -15 | -10      |       |       |          |
|      | Cooling                |                                                 |     |     |     | W. input            | Current | EER      |      |      |       |           |     |          |       |       |          |
| [°C] |                        |                                                 |     |     | [W] |                     |         | [kcal/h] | [W]  | [A]  | [W/W] | [kcal/hW] |     |          |       | ref.  | ref.     |
|      | 54,4                   |                                                 |     | 230 | 292 | 307                 | 272     | 242      | 1,71 | 1,27 | 1,13  | 367       | 462 | 571      | DWG03 | SM05  | NEK2125U |
|      | 45                     | 171                                             | 202 | 250 | 314 |                     |         |          |      |      |       | 394       | 491 | 603      |       |       |          |
|      | 54,4                   |                                                 |     | 331 | 414 | 449                 | 386     | 330      | 2,04 | 1,36 | 1,17  | 516       | 645 | 793      | DWG03 | SM05  | NEK2134U |
|      | 45                     | 230                                             | 281 | 351 | 440 |                     |         |          |      |      |       | 547       | 683 | 828      |       |       |          |
|      | 54,4                   |                                                 |     | 417 | 536 | 581                 | 500     | 444      | 2,98 | 1,31 | 1,13  | 678       | 843 | 1031     | DWG03 | SM05  | NEK2150U |
|      | 45                     | 264                                             | 333 | 441 | 576 |                     |         |          |      |      |       | 723       | 898 | 1094     |       |       |          |

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 134a      | LBP         | 60 Hz     |

| MODEL   | Displacement |       | B.O.M. | Voltage / Frequency                 | Motor Type | LRA  | Exp. Device | Lubricant    |       |        | Weight |      | Max. Height A |      | Cooling Type |  |
|---------|--------------|-------|--------|-------------------------------------|------------|------|-------------|--------------|-------|--------|--------|------|---------------|------|--------------|--|
|         | [cm³]        | [in³] |        |                                     |            |      |             | Charge [cm³] | [oz²] | Type   | [kg]   | [lb] | [mm]          | [in] |              |  |
| NB1112Z | 6,26         | 0,38  | 293FG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | RSIR RSCR  | 20,0 | C           | 350          | 12    | POE 22 | 9,5    | 20,9 | 177,0         | 7,0  | S            |  |
| NB1116Z | 8,40         | 0,51  | 294SG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | RSIR RSCR  | 27,5 | C           | 350          | 12    | POE 22 | 9,8    | 21,6 | 187,0         | 7,4  | S            |  |
| NB1118Z | 8,07         | 0,49  | 294UG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | RSIR RSCR  | 28,0 | C           | 350          | 12    | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | S            |  |
| NB2116Z | 8,40         | 0,51  | 294TG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 26,5 | C/V         | 350          | 12    | POE 22 | 9,8    | 21,6 | 187,0         | 7,4  | S            |  |
| NE2121Z | 9,27         | 0,57  | 262BG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 29,0 | C/V         | 350          | 12    | POE 22 | 11,0   | 24,3 | 200,0         | 7,9  | F            |  |
| NE2130Z | 12,12        | 0,74  | 262DG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 38,0 | C/V         | 350          | 12    | POE 22 | 11,0   | 24,3 | 200,0         | 7,9  | F            |  |
| NE2134Z | 14,30        | 0,87  | 262JG  | 115 V Hz / 100 V 50 Hz              | CSIR       | 33,0 | C/V         | 350          | 12    | POE 22 | 11,5   | 25,4 | 200,0         | 7,9  | F            |  |
| T2134Z  | 19,04        | 1,16  | 203HG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 30,0 | C/V         | 580          | 20    | POE 22 | 13,1   | 28,9 | 201,0         | 7,9  | F            |  |
| T2134Z  | 19,04        | 1,16  | 203HD  | 208-230 V 60 Hz / 200 V 50 Hz       | CSIR       | 21,0 | C/V         | 550          | 19    | POE 22 | 13,1   | 28,9 | 201,0         | 7,9  | F            |  |
| T2134Z  | 19,04        | 1,16  | 207IQ  | 100 V 50/60 Hz                      | CSIR       | 45,5 | C/V         | 580          | 20    | POE 22 | 13,1   | 28,9 | 201,0         | 7,9  | F            |  |
| T2140H  | 22,40        | 1,37  | 207HD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~ | CSIR       | 26,0 | C/V         | 580          | 20    | POE 22 | 14,9   | 32,8 | 221,0         | 8,7  | F            |  |
| J2152Z  | 27,12        | 1,65  | 164LG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 59,0 | C/V         | 890          | 31    | POE 22 | 20,0   | 44,1 | 265,0         | 10,4 | F            |  |
| NJ2152Z | 27,12        | 1,65  | 144LG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 59,0 | C/V         | 890          | 31    | POE 22 | 20,0   | 44,1 | 265,0         | 10,4 | F            |  |

Note: Please check Test Conditions on page 1.

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 134a      | HBP         | 60 Hz     |

| MODEL   | Displacement |       | B.O.M. | Voltage / Frequency                 | Motor Type | LRA  | Exp. Device | Lubricant    |       |        | Weight |      | Max. Height A |      | Cooling Type |  |
|---------|--------------|-------|--------|-------------------------------------|------------|------|-------------|--------------|-------|--------|--------|------|---------------|------|--------------|--|
|         | [cm³]        | [in³] |        |                                     |            |      |             | Charge [cm³] | [oz²] | Type   | [kg]   | [lb] | [mm]          | [in] |              |  |
| NB5125Z | 3,78         | 0,23  | 293AG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | RSIR       | 14,0 | C           | 350          | 12    | POE 22 | 11,5   | 25,4 | 177,0         | 7,0  | S            |  |
| NB5128Z | 4,52         | 0,28  | 293BG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | RSIR       | 17,0 | C           | 350          | 12    | POE 22 | 11,5   | 25,4 | 177,0         | 7,0  | S            |  |
| NB5132Z | 5,02         | 0,31  | 293CG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | RSIR       | 20,0 | C           | 350          | 12    | POE 22 | 9,5    | 20,9 | 177,0         | 7,0  | S            |  |
| NB6132Z | 5,02         | 0,31  | 293DG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 15,1 | C/V         | 350          | 12    | POE 22 | 9,5    | 20,9 | 177,0         | 7,0  | S            |  |
| NB5144Z | 6,05         | 0,37  | 294AG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | RSIR       | 23,0 | C           | 350          | 12    | POE 22 | 9,7    | 21,4 | 187,0         | 7,4  | F            |  |
| NB6144Z | 6,05         | 0,37  | 294BG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 19,3 | C/V         | 350          | 12    | POE 22 | 9,7    | 21,4 | 187,0         | 7,4  | F            |  |
| NE5160Z | 8,00         | 0,49  | 261AG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | RSIR       | 25,0 | C           | 350          | 12    | POE 22 | 9,9    | 21,8 | 187,0         | 7,4  | F            |  |
| NE6160Z | 8,00         | 0,49  | 261BG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 21,5 | C/V         | 350          | 12    | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE5170Z | 8,78         | 0,54  | 261CG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | RSIR       | 31,0 | C           | 350          | 12    | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE6170Z | 8,78         | 0,54  | 261DG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 25,0 | C/V         | 350          | 12    | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE5187Z | 12,12        | 0,74  | 261EG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | RSIR       | 35,0 | C           | 350          | 12    | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE6187Z | 12,12        | 0,74  | 261FD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~ | CSIR       | 17,3 | C/V         | 350          | 12    | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE6187Z | 12,12        | 0,74  | 261FG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 29,0 | C/V         | 350          | 12    | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |

Note: Please check Test Conditions on page 1.

| FREQUENCY |  | APPLICATION |  | REFRIGERANT |  |
|-----------|--|-------------|--|-------------|--|
| 60 Hz     |  | LBP         |  | R 134a      |  |

|                | Condensing Temperature<br><br>[°C] | Cooling Capacity / Evaporating Temperature [°C] |            |                     |                |              |           |      |      |            |              |              |              | Drawings |      | MODEL   |
|----------------|------------------------------------|-------------------------------------------------|------------|---------------------|----------------|--------------|-----------|------|------|------------|--------------|--------------|--------------|----------|------|---------|
|                |                                    | Subcooled conditions [W]                        |            |                     |                |              |           |      |      |            |              |              |              |          |      |         |
|                |                                    | -30                                             | -25        | Rated Point -23,3°C |                |              |           | -20  | -15  | -10        | -5           | ref.         | ref.         |          |      |         |
| Cooling<br>[W] | [kcal/h]                           |                                                 |            | W. input<br>[W]     | Current<br>[A] | EER<br>[W/W] | [kcal/hW] |      |      |            |              |              |              |          |      |         |
|                | 54,4<br>45                         | 119                                             | 136<br>162 | 152                 | 131            | 156          | 2,0       | 0,98 | 0,84 | 187<br>214 | 247<br>276   | 317<br>349   | 397<br>432   | DWG04    | SM02 | NB1112Z |
|                | 54,4<br>45                         | 157                                             | 183<br>209 | 203                 | 175            | 194          | 2,9       | 1,05 | 0,90 | 247<br>274 | 326<br>352   | 418<br>444   | 523<br>548   | DWG04    | SM02 | NB1116Z |
|                | 54,4<br>45                         | 171                                             | 210<br>230 | 234                 | 201            | 194          | 1,2       | 1,20 | 1,03 | 284<br>305 | 372<br>395   | 472<br>500   | 586<br>620   | DWG04    | SM02 | NB1118Z |
|                | 54,4<br>45                         | 157                                             | 183<br>209 | 203                 | 175            | 198          | 2,9       | 1,03 | 0,89 | 247<br>274 | 326<br>352   | 418<br>444   | 523<br>548   | DWG04    | SM04 | NB2116Z |
|                | 54,4<br>45                         | 202                                             | 252<br>268 | 278                 | 239            | 255          | 4,4       | 1,09 | 0,94 | 335<br>352 | 435<br>453   | 552<br>571   | 685<br>706   | DWG04    | SM04 | NE2121Z |
|                | 54,4<br>45                         | 267                                             | 332<br>350 | 367                 | 315            | 309          | 4,9       | 1,18 | 1,01 | 440<br>455 | 565<br>580   | 709<br>727   | 871<br>895   | DWG04    | SM04 | NE2130Z |
|                | 54,4<br>45                         | 295                                             | 369<br>389 | 425                 | 365            | 346          | 5,3       | 1,23 | 1,05 | 485<br>507 | 626<br>649   | 791<br>815   | 980<br>1006  | DWG04    | SM04 | NE2134Z |
|                | 54,4<br>45                         | 361                                             | 418<br>455 | 463                 | 398            | 416          | 4,8       | 1,11 | 0,95 | 563<br>599 | 748<br>794   | 971<br>1038  | 1234<br>1333 | DWG08    | SM08 | T2134Z  |
|                | 54,4<br>45                         | 361                                             | 418<br>455 | 463                 | 398            | 394          | 3,1       | 1,17 | 1,01 | 563<br>599 | 748<br>794   | 971<br>1038  | 1234<br>1333 | DWG08    | SM08 | T2134Z  |
|                | 54,4<br>45                         | 361                                             | 418<br>455 | 463                 | 398            | 416          | 4,8       | 1,11 | 0,95 | 563<br>599 | 748<br>794   | 971<br>1038  | 1234<br>1333 | DWG08    | SM08 | T2134Z  |
|                | 54,4<br>45                         | 382                                             | 455<br>508 | 512                 | 440            | 425          | 2,9       | 1,21 | 1,04 | 640<br>692 | 873<br>935   | 1153<br>1236 | 1481<br>1596 | DWG08    | SM08 | T2140H  |
|                | 54,4<br>45                         | 422                                             | 610<br>645 | 704                 | 605            | 512          | 7,0       | 1,37 | 1,18 | 899<br>910 | 1223<br>1215 | 1581<br>1562 | 1974<br>1949 | DWG13    | SM14 | J2152Z  |
|                | 54,4<br>45                         | 422                                             | 610<br>645 | 704                 | 605            | 512          | 7,0       | 1,37 | 1,18 | 899<br>910 | 1223<br>1215 | 1581<br>1562 | 1974<br>1949 | DWG14    | SM14 | NJ2152Z |

| FREQUENCY |  | APPLICATION |  | REFRIGERANT |  |
|-----------|--|-------------|--|-------------|--|
| 60 Hz     |  | HBP         |  | R 134a      |  |

|      | Condensing Temperature | Cooling Capacity / Evaporating Temperature [°C] |     |      |      |             |        |                    |             |           |         |      |               | Drawings       |      | MODEL   |
|------|------------------------|-------------------------------------------------|-----|------|------|-------------|--------|--------------------|-------------|-----------|---------|------|---------------|----------------|------|---------|
|      |                        | Subcooled conditions [W]                        |     |      |      |             |        |                    |             |           |         |      |               |                |      |         |
|      |                        |                                                 |     |      |      |             |        | Rated Point +7,2°C |             |           |         |      | External View | Wiring Diagram |      |         |
| [°C] | -15                    | -10                                             | -5  | 0    | +5   | Cooling [W] | kcal/h | W. input [W]       | Current [A] | EER [W/W] | kcal/hW | +10  | ref.          | ref.           |      |         |
| 54,4 |                        |                                                 |     | 200  | 256  | 320         | 351    | 302                | 189         | 2,2       | 1,85    | 1,60 | 393           | DWG04          | SM02 | NB5125Z |
| 45   | 142                    | 185                                             | 238 | 301  | 375  |             |        |                    |             |           |         |      | 458           |                |      |         |
| 54,4 |                        |                                                 | 246 | 312  | 390  |             | 427    | 367                | 219         | 2,5       | 1,95    | 1,68 | 478           | DWG04          | SM02 | NB5128Z |
| 45   | 176                    | 227                                             | 289 | 364  | 450  |             |        |                    |             |           |         |      | 549           |                |      |         |
| 54,4 |                        |                                                 | 298 | 374  | 463  |             | 505    | 434                | 270         | 3,0       | 1,87    | 1,61 | 563           | DWG04          | SM02 | NB5132Z |
| 45   | 213                    | 272                                             | 345 | 431  | 530  |             |        |                    |             |           |         |      | 643           |                |      |         |
| 54,4 |                        |                                                 | 309 | 386  | 476  |             | 518    | 445                | 274         | 2,9       | 1,89    | 1,63 | 576           | DWG04          | SM04 | NB6132Z |
| 45   | 221                    | 283                                             | 358 | 446  | 547  |             |        |                    |             |           |         |      | 661           |                |      |         |
| 54,4 |                        |                                                 | 379 | 468  | 569  |             | 617    | 531                | 350         | 3,8       | 1,77    | 1,52 | 682           | DWG04          | SM02 | NB5144Z |
| 45   | 273                    | 345                                             | 430 | 529  | 641  |             |        |                    |             |           |         |      | 767           |                |      |         |
| 54,4 |                        |                                                 | 379 | 468  | 569  |             | 617    | 531                | 350         | 3,8       | 1,77    | 1,52 | 682           | DWG04          | SM04 | NB6144Z |
| 45   | 273                    | 345                                             | 430 | 529  | 641  |             |        |                    |             |           |         |      | 767           |                |      |         |
| 54,4 |                        |                                                 | 466 | 613  | 766  |             | 835    | 718                | 374         | 4,0       | 2,24    | 1,93 | 925           | DWG04          | SM02 | NE5160Z |
| 45   | 315                    | 430                                             | 564 | 715  | 884  |             |        |                    |             |           |         |      | 1071          |                |      |         |
| 54,4 |                        |                                                 | 466 | 613  | 766  |             | 835    | 718                | 374         | 4,0       | 2,24    | 1,93 | 925           | DWG04          | SM04 | NE6160Z |
| 45   | 315                    | 430                                             | 564 | 715  | 884  |             |        |                    |             |           |         |      | 1071          |                |      |         |
| 54,4 |                        |                                                 | 545 | 699  | 874  |             | 958    | 824                | 419         | 4,7       | 2,29    | 1,97 | 1071          | DWG04          | SM02 | NE5170Z |
| 45   | 380                    | 502                                             | 648 | 817  | 1011 |             |        |                    |             |           |         |      | 1228          |                |      |         |
| 54,4 |                        |                                                 | 529 | 683  | 858  |             | 942    | 810                | 418         | 4,8       | 2,25    | 1,94 | 1054          | DWG04          | SM04 | NE6170Z |
| 45   | 366                    | 490                                             | 637 | 807  | 1000 |             |        |                    |             |           |         |      | 1216          |                |      |         |
| 54,4 |                        |                                                 | 734 | 935  | 1166 |             | 1278   | 1099               | 616         | 7,1       | 2,08    | 1,79 | 1428          | DWG04          | SM02 | NE5187Z |
| 45   | 520                    | 675                                             | 866 | 1095 | 1362 |             |        |                    |             |           |         |      | 1665          |                |      |         |
| 54,4 |                        |                                                 | 734 | 935  | 1166 |             | 1278   | 1099               | 616         | 7,1       | 2,08    | 1,79 | 1428          | DWG04          | SM04 | NE6187Z |
| 45   | 520                    | 675                                             | 866 | 1095 | 1362 |             |        |                    |             |           |         |      | 1665          |                |      |         |
| 54,4 |                        |                                                 | 734 | 935  | 1166 |             | 1278   | 1099               | 616         | 7,1       | 2,08    | 1,79 | 1428          | DWG04          | SM04 | NE6187Z |
| 45   | 520                    | 675                                             | 866 | 1095 | 1362 |             |        |                    |             |           |         |      | 1665          |                |      |         |

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 134a      | HBP         | 60 Hz     |

| MODEL    | Displacement |       | B.O.M. | Voltage / Frequency                     | Motor Type | LRA  | Exp. Device | Lubricant    |       |        | Weight |      | Max. Height A |      | Cooling Type |  |
|----------|--------------|-------|--------|-----------------------------------------|------------|------|-------------|--------------|-------|--------|--------|------|---------------|------|--------------|--|
|          | [cm³]        | [in³] |        |                                         |            |      |             | Charge [cm³] | [oz²] | Type   | [kg]   | [lb] | [mm]          | [in] |              |  |
| NE6210Z  | 13,54        | 0,83  | 262FD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSIR       | 23,5 | C/V         | 350          | 12    | POE 22 | 11,0   | 24,3 | 200,0         | 7,9  | F            |  |
| NE6210Z  | 13,54        | 0,83  | 262FG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSIR       | 37,5 | C/V         | 350          | 12    | POE 22 | 11,0   | 24,3 | 200,0         | 7,9  | F            |  |
| NEK6170Z | 8,4          | 0,51  | 267BG  | 115 V 60 Hz 1~                          | CSIR       | 26,5 | C-V         | 350          | 12    | POE22  | 10,4   | 22,9 | 187           | 7,4  | F            |  |
| NEK6187Z | 10           | 0,61  | 268AG  | 115 V 60 Hz 1~                          | CSIR       | 37   | C-V         | 350          | 12    | POE22  | 10,4   | 22,9 | 200           | 7,9  | F            |  |
| NEK6210Z | 12,12        | 0,74  | 268BG  | 115 V 60 Hz 1~                          | CSIR       | 37   | C-V         | 350          | 12    | POE22  | 11     | 24,3 | 200           | 7,9  | F            |  |
| T6213Z   | 17,40        | 1,06  | 203LG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSIR       | 36,0 | C/V         | 550          | 19    | POE 22 | 13,7   | 30,2 | 201,0         | 7,9  | F            |  |
| T6213Z   | 17,40        | 1,06  | 206DD  | 208-230 V 60 Hz / 200 V 50 Hz           | CSIR       | 30,0 | C/V         | 550          | 19    | POE 22 | 13,7   | 30,2 | 201,0         | 7,9  | F            |  |
| T6215Z   | 20,40        | 1,24  | 206ZD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSIR       | 28,8 | C/V         | 580          | 20    | POE 22 | 14,5   | 32,0 | 221,0         | 8,7  | F            |  |
| T6215Z   | 20,40        | 1,24  | 206ZG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSIR       | 45,0 | C/V         | 580          | 20    | POE 22 | 14,5   | 32,0 | 221,0         | 8,7  | F            |  |
| T6217Z   | 22,40        | 1,36  | 206TD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSIR       | 28,8 | C/V         | 580          | 20    | POE 22 | 16,3   | 35,9 | 221,0         | 8,7  | F            |  |
| T6217Z   | 22,40        | 1,36  | 206TG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSIR       | 48,8 | C/V         | 580          | 20    | POE 22 | 16,3   | 35,9 | 221,0         | 8,7  | F            |  |
| J6220Z   | 26,20        | 1,60  | 164HD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSIR       | 42,0 | C/V         | 890          | 31    | POE 22 | 20,3   | 44,8 | 265,0         | 10,4 | F            |  |
| NJ6220Z  | 26,20        | 1,60  | 144HD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSIR       | 42,0 | C/V         | 890          | 31    | POE 22 | 20,3   | 44,8 | 265,0         | 10,4 | F            |  |
| J6220Z   | 26,20        | 1,60  | 164HG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSIR       | 72,0 | C/V         | 890          | 31    | POE 22 | 19,7   | 43,4 | 265,0         | 10,4 | F            |  |
| NJ6220Z  | 26,20        | 1,60  | 144HG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSIR       | 72,0 | C/V         | 890          | 31    | POE 22 | 19,7   | 43,4 | 265,0         | 10,4 | F            |  |
| J6220ZX  | 26,20        | 1,60  | 168HM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 10,0 | C/V         | 890          | 31    | POE 22 | 19,6   | 43,2 | 265,0         | 10,4 | F            |  |
| NJ6220ZX | 26,20        | 1,60  | 148HM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 10,0 | C/V         | 890          | 31    | POE 22 | 19,6   | 43,2 | 265,0         | 10,4 | F            |  |
| J6226Z   | 34,37        | 2,10  | 162HD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSR        | 40,0 | C/V         | 890          | 31    | POE 22 | 20,1   | 44,3 | 253,0         | 10,0 | F            |  |
| NJ6226Z  | 34,37        | 2,10  | 142HD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSR        | 40,0 | C/V         | 890          | 31    | POE 22 | 20,1   | 44,3 | 253,0         | 10,0 | F            |  |
| J6226ZX  | 34,37        | 2,10  | 168IM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890          | 31    | POE 22 | 20,2   | 44,5 | 265,0         | 10,4 | F            |  |
| NJ6226ZX | 34,37        | 2,10  | 148IM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890          | 31    | POE 22 | 20,2   | 44,5 | 265,0         | 10,4 | F            |  |

Note: Please check Test Conditions on page 1.

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 22        | LBP         | 60 Hz     |

| MODEL   | Displacement |       | B.O.M. | Voltage / Frequency                 | Motor Type | LRA  | Exp. Device | Lubricant    |       |       | Weight |      | Max. Height A |      | Cooling Type |  |
|---------|--------------|-------|--------|-------------------------------------|------------|------|-------------|--------------|-------|-------|--------|------|---------------|------|--------------|--|
|         | [cm³]        | [in³] |        |                                     |            |      |             | Charge [cm³] | [oz²] | Type  | [kg]   | [lb] | [mm]          | [in] |              |  |
| NE2134E | 12,12        | 0,74  | 263AD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~ | CSIR       | 20,0 | C/V         | 350          | 12    | AB 46 | 11,5   | 25,4 | 206,0         | 8,1  | F            |  |
| NE2134E | 12,12        | 0,74  | 263AG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 33,0 | C/V         | 350          | 12    | AB 46 | 11,5   | 25,4 | 206,0         | 8,1  | F            |  |
| T2140E  | 14,50        | 0,88  | 116AD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~ | CSIR       | 29,5 | C/V         | 580          | 20    | AB 46 | 16,5   | 36,4 | 221,0         | 8,7  | F            |  |
| T2155E  | 17,40        | 1,06  | 116BD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~ | CSR        | 20,0 | C/V         | 580          | 20    | AB 46 | 15,6   | 34,4 | 221,0         | 8,7  | F            |  |
| T2168E  | 20,40        | 1,24  | 116UD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~ | CSR        | 32,5 | C/V         | 580          | 20    | AB 46 | 16,6   | 36,6 | 221,0         | 8,7  | F            |  |
| J2178E  | 23,50        | 1,43  | 163RD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~ | CSR        | 35,0 | C/V         | 890          | 31    | AB 46 | 22,8   | 50,3 | 277,0         | 10,9 | F            |  |
| NJ2178E | 23,50        | 1,43  | 143RD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~ | CSR        | 35,0 | C/V         | 890          | 31    | AB 46 | 22,8   | 50,3 | 277,0         | 10,9 | F            |  |

Note: Please check Test Conditions on page 1.

| FREQUENCY | APPLICATION | REFRIGERANT |
|-----------|-------------|-------------|
| 60 Hz     | HBP         | R 134a      |

|                         | Condensing Temperature<br><br>[°C] | Cooling Capacity / Evaporating Temperature [°C] |      |              |              |              |                    |                |                        |      |      |      |              | Drawings |      | MODEL    |
|-------------------------|------------------------------------|-------------------------------------------------|------|--------------|--------------|--------------|--------------------|----------------|------------------------|------|------|------|--------------|----------|------|----------|
|                         |                                    | Subcooled conditions [W]                        |      |              |              |              |                    |                |                        |      |      |      |              |          |      |          |
|                         |                                    | -15                                             | -10  | -5           | 0            | +5           | Rated Point +7,2°C |                |                        |      |      |      | +10          |          |      |          |
| Cooling<br>[W] [kcal/h] |                                    |                                                 |      |              |              |              | W. input<br>[W]    | Current<br>[A] | EER<br>[W/W] [kcal/hW] |      |      |      |              |          |      |          |
|                         | 54,4<br>45                         | 602                                             | 775  | 849<br>986   | 1071<br>1235 | 1324<br>1522 | 1445               | 1243           | 686                    | 3,8  | 2,11 | 1,81 | 1609<br>1847 | DWG04    | SM04 | NE6210Z  |
|                         | 54,4<br>45                         | 602                                             | 775  | 849<br>986   | 1071<br>1235 | 1324<br>1522 | 1445               | 1243           | 686                    | 7,6  | 2,11 | 1,81 | 1609<br>1847 | DWG04    | SM04 | NE6210Z  |
|                         | 54,4<br>45                         | 427                                             | 537  | 583<br>673   | 724<br>835   | 892<br>1022  | 978                | 841            | 418                    | 4,95 | 2,34 | 2,01 | 1090<br>1236 | DWG04    | SM04 | NEK6170Z |
|                         | 54,4<br>45                         | 485                                             | 603  | 662<br>757   | 828<br>947   | 1026<br>1170 | 1122               | 965            | 486                    | 5,82 | 2,30 | 1,99 | 1253<br>1428 | DWG04    | SM04 | NEK6187Z |
|                         | 54,4<br>45                         | 573                                             | 726  | 801<br>912   | 995<br>1133  | 1219<br>1387 | 1326               | 1140           | 608                    | 6,83 | 2,18 | 1,88 | 1469<br>1678 | DWG04    | SM04 | NEK6210Z |
|                         | 54,4<br>45                         | 668                                             | 879  | 976<br>1135  | 1250<br>1437 | 1562<br>1783 | 1712               | 1472           | 835                    | 9,3  | 2,05 | 1,76 | 1913<br>2174 | DWG08    | SM08 | T6213Z   |
|                         | 54,4<br>45                         | 668                                             | 879  | 976<br>1135  | 1250<br>1437 | 1562<br>1783 | 1712               | 1472           | 835                    | 4,7  | 2,05 | 1,76 | 1913<br>2174 | DWG08    | SM08 | T6213Z   |
|                         | 54,4<br>45                         | 798                                             | 1046 | 1174<br>1364 | 1507<br>1751 | 1890<br>2207 | 2075               | 1785           | 970                    | 5,7  | 2,14 | 1,84 | 2325<br>2733 | DWG08    | SM08 | T6215Z   |
|                         | 54,4<br>45                         | 798                                             | 1046 | 1174<br>1364 | 1507<br>1751 | 1890<br>2207 | 2075               | 1785           | 970                    | 11,4 | 2,14 | 1,84 | 2325<br>2733 | DWG08    | SM08 | T6215Z   |
|                         | 54,4<br>45                         | 862                                             | 1130 | 1239<br>1474 | 1603<br>1892 | 2027<br>2385 | 2233               | 1920           | 1054                   | 5,6  | 2,12 | 1,82 | 2512<br>2953 | DWG08    | SM08 | T6217Z   |
|                         | 54,4<br>45                         | 862                                             | 1130 | 1239<br>1474 | 1603<br>1892 | 2027<br>2385 | 2233               | 1920           | 1054                   | 11,2 | 2,12 | 1,82 | 2512<br>2953 | DWG08    | SM08 | T6217Z   |
|                         | 54,4<br>45                         | 1125                                            | 1478 | 1721<br>1916 | 2201<br>2442 | 2727<br>3053 | 2973               | 2557           | 1220                   | 7,4  | 2,44 | 2,10 | 3299<br>3751 | DWG13    | SM14 | J6220Z   |
|                         | 54,4<br>45                         | 1125                                            | 1478 | 1721<br>1916 | 2201<br>2442 | 2727<br>3053 | 2973               | 2557           | 1220                   | 7,4  | 2,44 | 2,10 | 3299<br>3751 | DWG14    | SM14 | NJ6220Z  |
|                         | 54,4<br>45                         | 1125                                            | 1478 | 1721<br>1916 | 2201<br>2442 | 2727<br>3053 | 2973               | 2557           | 1250                   | 13,3 | 2,38 | 2,05 | 3299<br>3751 | DWG13    | SM14 | J6220Z   |
|                         | 54,4<br>45                         | 1125                                            | 1478 | 1721<br>1916 | 2201<br>2442 | 2727<br>3053 | 2973               | 2557           | 1250                   | 13,3 | 2,38 | 2,05 | 3299<br>3751 | DWG14    | SM14 | NJ6220Z  |
|                         | 54,4<br>45                         | 1125                                            | 1478 | 1721<br>1916 | 2201<br>2442 | 2727<br>3053 | 2973               | 2557           | 1021                   | 1,6  | 2,91 | 2,50 | 3299<br>3751 | DWG13    | SM18 | J6220ZX  |
|                         | 54,4<br>45                         | 1125                                            | 1478 | 1721<br>1916 | 2201<br>2442 | 2727<br>3053 | 2973               | 2557           | 1021                   | 1,6  | 2,91 | 2,50 | 3299<br>3751 | DWG14    | SM18 | NJ6220ZX |
|                         | 54,4<br>45                         | 1662                                            | 2096 | 2064<br>2608 | 2604<br>3199 | 3196<br>3868 | 3473               | 2987           | 1525                   | 7,3  | 2,28 | 1,96 | 3840<br>4616 | DWG13    | SM17 | J6226Z   |
|                         | 54,4<br>45                         | 1662                                            | 2096 | 2064<br>2608 | 2604<br>3199 | 3196<br>3868 | 3473               | 2987           | 1525                   | 7,3  | 2,28 | 1,96 | 3840<br>4616 | DWG14    | SM17 | NJ6226Z  |
|                         | 54,4<br>45                         | 1662                                            | 2096 | 2064<br>2608 | 2604<br>3199 | 3196<br>3868 | 3473               | 2987           | 1390                   | 2,4  | 2,50 | 2,15 | 3840<br>4616 | DWG13    | SM18 | J6226ZX  |
|                         | 54,4<br>45                         | 1662                                            | 2096 | 2064<br>2608 | 2604<br>3199 | 3196<br>3868 | 3473               | 2987           | 1390                   | 2,4  | 2,50 | 2,15 | 3840<br>4616 | DWG14    | SM18 | NJ6226ZX |

| FREQUENCY | APPLICATION | REFRIGERANT |
|-----------|-------------|-------------|
| 60 Hz     | LBP         | R 22        |

|  | Condensing Temperature<br><br>[°C] | Cooling Capacity / Evaporating Temperature [°C]<br>Subcooled conditions [W] |      |                     |        |                 |                |              |         |              |              |              | Drawings |      | MODEL   |
|--|------------------------------------|-----------------------------------------------------------------------------|------|---------------------|--------|-----------------|----------------|--------------|---------|--------------|--------------|--------------|----------|------|---------|
|  |                                    |                                                                             |      | Rated Point -23,3°C |        |                 |                |              |         |              |              |              |          |      |         |
|  |                                    |                                                                             |      | Cooling<br>[W]      | kcal/h | W. input<br>[W] | Current<br>[A] | EER<br>[W/W] | kcal/hW |              |              |              | -20      | -15  |         |
|  | 54,4<br>45                         | 401                                                                         | 529  | 513                 | 441    | 469             | 3,1            | 1,09         | 0,94    | 620<br>686   | 800<br>873   | 1003<br>1089 | DWG04    | SM04 | NE2134E |
|  | 54,4<br>45                         | 401                                                                         | 529  | 513                 | 441    | 469             | 6,1            | 1,09         | 0,94    | 620<br>686   | 800<br>873   | 1003<br>1089 | DWG04    | SM04 | NE2134E |
|  | 54,4<br>45                         |                                                                             |      | 580                 | 499    | 578             | 3,4            | 1,00         | 0,86    | 706<br>766   | 931<br>1013  | 1197<br>1306 | DWG09    | SM08 | T2140E- |
|  | 54,4<br>45                         | 407                                                                         | 564  | 701                 | 603    | 563             | 2,6            | 1,24         | 1,07    | 855<br>934   | 1129<br>1228 | 1452<br>1572 | DWG11    | SM13 | T2155E  |
|  | 54,4<br>45                         | 499                                                                         | 691  |                     |        |                 |                |              |         |              |              |              |          |      |         |
|  | 54,4<br>45                         |                                                                             |      | 887                 | 763    | 755             | 3,7            | 1,17         | 1,01    | 1060<br>1127 | 1365<br>1477 | 1723<br>1897 | DWG11    | SM13 | T2168E  |
|  | 54,4<br>45                         |                                                                             |      | 1067                | 918    | 832             | 4,0            | 1,28         | 1,10    | 1285<br>1420 | 1667<br>1827 | 2109<br>2288 | DWG13    | SM16 | J2178E  |
|  | 54,4<br>45                         | 773                                                                         | 1069 |                     |        |                 |                |              |         |              |              |              |          |      |         |
|  | 54,4<br>45                         |                                                                             |      | 1067                | 918    | 832             | 4,0            | 1,28         | 1,10    | 1285<br>1420 | 1667<br>1827 | 2109<br>2288 | DWG14    | SM16 | NJ2178E |

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 22        | HBP         | 60 Hz     |

| MODEL   | Displacement |       | B.O.M. | Voltage / Frequency                 | Motor Type | LRA  | Exp. Device | Lubricant |    |       | Weight |      | Max. Height A |      | Cooling Type |  |
|---------|--------------|-------|--------|-------------------------------------|------------|------|-------------|-----------|----|-------|--------|------|---------------|------|--------------|--|
|         | [cm³]        | [in³] |        |                                     |            |      |             | Charge    |    | Type  | [kg]   | [lb] | [mm]          | [in] |              |  |
| NE6152E | 5,02         | 0,31  | 294LG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 26,5 | C/V         | 350       | 12 | AB 46 | 10,5   | 23,1 | 187,0         | 7,4  | F            |  |
| NE6181E | 7,28         | 0,44  | 262LD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~ | CSIR       | 18,2 | C/V         | 350       | 12 | AB 46 | 10,0   | 22,0 | 200,0         | 7,9  | F            |  |
| NE6181E | 7,28         | 0,44  | 262LG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 38,0 | C/V         | 350       | 12 | AB 46 | 10,0   | 22,0 | 200,0         | 7,9  | F            |  |
| NE5195E | 8,00         | 0,49  | 261QG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | RSIR       | 35,0 | C           | 350       | 12 | AB 46 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE6195E | 8,00         | 0,49  | 261LG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 29,0 | C/V         | 350       | 12 | AB 46 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE6210E | 8,78         | 0,54  | 261NG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 29,0 | C/V         | 350       | 12 | AB 46 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE5210E | 8,78         | 0,54  | 261MG  | 115 V 60 Hz / 100 V 50 Hz           | RSIR       | 37,0 | C           | 350       | 12 | AB 46 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE6211E | 10,00        | 0,61  | 263GG  | 115 V 60 Hz / 110 V 50 Hz           | CSIR       | 38,5 | C/V         | 350       | 12 | AB 46 | 11,0   | 24,2 | 206,0         | 8,1  | F            |  |
| NE6211E | 10,00        | 0,61  | 262HD  | 208-230 V 60 Hz / 200 V 50 Hz       | CSIR       | 25,8 | C/V         | 350       | 12 | AB 46 | 10,4   | 22,9 | 200,0         | 7,9  | F            |  |
| T6217E~ | 14,50        | 0,88  | 116RG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 55,0 | C/V         | 580       | 20 | AB 46 | 16,1   | 35,5 | 221,0         | 8,7  | F            |  |
| T6217E  | 14,50        | 0,89  | 116TD  | 208-230 V 60 Hz / 200 V 50 Hz       | CSIR       | 30,0 | C/V         | 580       | 20 | AB 46 | 16,4   | 36,0 | 221,0         | 8,7  | F            |  |
| T6220E  | 17,40        | 1,06  | 116SD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~ | CSR        | 30,0 | C/V         | 580       | 20 | AB 46 | 15,5   | 34,2 | 221,0         | 8,7  | F            |  |
| T6220E  | 17,40        | 1,06  | 116JG  | 115 V 60 Hz / 100 V 50 Hz           | CSR        | 72,0 | C/V         | 580       | 20 | AB 46 | 15,8   | 34,8 | 221,0         | 8,7  | F            |  |
| T6222E  | 20,40        | 1,25  | 116KD  | 208-230 V 60 Hz / 200 V 50 Hz       | CSR        | 34,0 | C/V         | 580       | 20 | AB 46 | 16,7   | 36,8 | 221,0         | 8,7  | F            |  |
| T6222E  | 20,40        | 1,25  | 106KG  | 115 V 60 Hz / 100 V 50 Hz           | CSR        | 71,0 | C/V         | 580       | 20 | AB 46 | 16,7   | 36,8 | 221,0         | 8,7  | F            |  |

Note: Please check Test Conditions on page 1.

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 22        | M/HBP       | 60 Hz     |

| MODEL   | Displacement |       | B.O.M. | Voltage / Frequency                     | Motor Type | LRA  | Exp. Device | Lubricant |    |       | Weight |      | Max. Height A |      | Cooling Type |  |
|---------|--------------|-------|--------|-----------------------------------------|------------|------|-------------|-----------|----|-------|--------|------|---------------|------|--------------|--|
|         | [cm³]        | [in³] |        |                                         |            |      |             | Charge    |    | Type  | [kg]   | [lb] | [mm]          | [in] |              |  |
| NE9213E | 12,12        | 0,74  | 263ED  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSR        | 25,9 | C/V         | 350       | 12 | AB 46 | 11,7   | 25,8 | 206,0         | 8,1  | F            |  |
| NE9213E | 12,12        | 0,74  | 263EG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSR        | 36,0 | C/V         | 350       | 12 | AB 46 | 11,7   | 25,8 | 206,0         | 8,1  | F            |  |
| J9226P  | 21,70        | 1,32  | 168MM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 10,0 | C/V         | 890       | 31 | AB 46 | 22,1   | 48,7 | 265,0         | 10,4 | F            |  |
| NJ9226P | 21,70        | 1,32  | 148MM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 10,0 | C/V         | 890       | 31 | AB 46 | 22,1   | 48,7 | 265,0         | 10,4 | F            |  |
| J9232P  | 26,20        | 1,60  | 167HM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890       | 31 | AB 46 | 21,2   | 46,7 | 277,0         | 10,9 | F            |  |
| NJ9232P | 26,20        | 1,60  | 147HM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890       | 31 | AB 46 | 21,2   | 46,7 | 277,0         | 10,9 | F            |  |
| J9238P  | 32,70        | 2,00  | 167LM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890       | 31 | AB 46 | 21,7   | 47,8 | 277,0         | 10,9 | F            |  |
| NJ9238P | 32,70        | 2,00  | 147LM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890       | 31 | AB 46 | 21,7   | 47,8 | 277,0         | 10,9 | F            |  |

Note: Please check Test Conditions on page 1.

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 22        | AC          | 60 Hz     |

| MODEL   | Displacement |       | B.O.M. | Voltage / Frequency       | Motor Type | LRA  | Exp. Device | Lubricant |    |       | Weight |      | Max. Height A |      | Cooling Type |  |
|---------|--------------|-------|--------|---------------------------|------------|------|-------------|-----------|----|-------|--------|------|---------------|------|--------------|--|
|         | [cm³]        | [in³] |        |                           |            |      |             | Charge    |    | Type  | [kg]   | [lb] | [mm]          | [in] |              |  |
| NE7195E | 8,00         | 0,49  | 262VG  | 115 V 60 Hz / 100 V 50 Hz | PSC        | 28,0 | C           | 350       | 12 | MO 32 | 10,4   | 22,9 | 200,0         | 7,9  | F            |  |
| NE7210E | 8,78         | 0,54  | 262TG  | 115 V 60 Hz / 100 V 50 Hz | PSC        | 28,0 | C           | 350       | 12 | MO 32 | 10,4   | 22,9 | 200,0         | 7,9  | F            |  |
| NE7213E | 12,12        | 0,73  | 264CG  | 115 V 60 Hz / 100 V 50 Hz | PSC        | 30,0 | C           | 350       | 12 | MO 32 | 11,6   | 25,6 | 200,0         | 7,9  | F            |  |

Note: Please check Test Conditions on page 1.

| FREQUENCY | APPLICATION | REFRIGERANT |
|-----------|-------------|-------------|
| 60 Hz     | HBP         | R 22        |

|            | Condensing Temperature<br><br>[°C] | Cooling Capacity / Evaporating Temperature [°C] |              |              |              |      |                            |      |                                                   |      |                           |              |       | Drawings              |                        | MODEL |
|------------|------------------------------------|-------------------------------------------------|--------------|--------------|--------------|------|----------------------------|------|---------------------------------------------------|------|---------------------------|--------------|-------|-----------------------|------------------------|-------|
|            |                                    | Subcooled conditions [W]                        |              |              |              |      |                            |      |                                                   |      |                           |              |       |                       |                        |       |
|            |                                    | -15                                             | -10          | -5           | 0            | +5   | Cooling<br>[W]    [kcal/h] |      | Rated Point +7,2°C<br>W. input [W]    Current [A] |      | EER<br>[W/W]    [kcal/hW] |              | +10   | External View<br>ref. | Wiring Diagram<br>ref. |       |
| 54,4<br>45 | 356                                | 442                                             | 476<br>545   | 583<br>665   | 705<br>801   | 764  | 657                        | 413  | 4,9                                               | 1,85 | 1,59                      | 843<br>954   | DWG04 | SM04                  | NB6152E                |       |
| 54,4<br>45 | 501                                | 641                                             | 692<br>810   | 864<br>1006  | 1061<br>1230 | 1156 | 994                        | 511  | 3,0                                               | 2,26 | 1,94                      | 1283<br>1482 | DWG04 | SM04                  | NE6181E                |       |
| 54,4<br>45 | 501                                | 641                                             | 692<br>810   | 864<br>1006  | 1061<br>1230 | 1156 | 994                        | 511  | 6,0                                               | 2,26 | 1,94                      | 1283<br>1482 | DWG04 | SM04                  | NE6181E                |       |
| 54,4<br>45 | 532                                | 676                                             | 710<br>854   | 903<br>1066  | 1122<br>1311 | 1227 | 1055                       | 582  | 6,6                                               | 2,11 | 1,81                      | 1366<br>1590 | DWG04 | SM02                  | NE5195E                |       |
| 54,4<br>45 | 568                                | 711                                             | 764<br>889   | 956<br>1100  | 1175<br>1345 | 1280 | 1101                       | 575  | 6,5                                               | 2,23 | 1,92                      | 1421<br>1624 | DWG04 | SM04                  | NE6195E                |       |
| 54,4<br>45 | 615                                | 775                                             | 654<br>968   | 823<br>1191  | 1021<br>1445 | 1356 | 1166                       | 675  | 7,2                                               | 2,01 | 1,73                      | 1503<br>1731 | DWG04 | SM04                  | NE6210E                |       |
| 54,4<br>45 | 591                                | 752                                             | 782<br>951   | 988<br>1187  | 1227<br>1459 | 1342 | 1154                       | 652  | 7,2                                               | 2,06 | 1,77                      | 1499<br>1769 | DWG04 | SM02                  | NE5210E                |       |
| 54,4<br>45 | 723                                | 904                                             | 967<br>1120  | 1193<br>1372 | 1446<br>1658 | 1568 | 1349                       | 779  | 8,7                                               | 2,01 | 1,73                      | 1731<br>1980 | DWG04 | SM04                  | NE6211E                |       |
| 54,4<br>45 | 664                                | 841                                             | 953<br>1048  | 1182<br>1288 | 1436<br>1560 | 1593 | 1370                       | 736  | 4,5                                               | 2,16 | 1,86                      | 1741<br>1865 | DWG04 | SM04                  | NE6211E                |       |
| 54,4<br>45 | 794                                | 1145                                            | 1255<br>1528 | 1624<br>1941 | 2022<br>2385 | 2206 | 1897                       | 1062 | 11,4                                              | 2,08 | 1,79                      | 2448<br>2861 | DWG12 | SM10                  | T6217E-                |       |
| 54,4<br>45 | 872                                | 1082                                            | 1226<br>1381 | 1582<br>1768 | 2003<br>2244 | 2184 | 1878                       | 1081 | 6,13                                              | 2,02 | 1,74                      | 2443<br>2808 | DWG08 | SM08                  | T6217E                 |       |
| 54,4<br>45 | 1036                               | 1408                                            | 1326<br>1805 | 1835<br>2226 | 2391<br>2671 | 2651 | 2280                       | 1173 | 5,6                                               | 2,26 | 1,94                      | 2995<br>3141 | DWG12 | SM12                  | T6220E                 |       |
| 54,4<br>45 | 1036                               | 1408                                            | 1326<br>1805 | 1835<br>2226 | 2391<br>2671 | 2651 | 2280                       | 1173 | 5,6                                               | 2,26 | 1,94                      | 2995<br>3141 | DWG12 | SM12                  | T6220E                 |       |
| 54,4<br>45 | 1313                               | 1638                                            | 1855<br>2026 | 2280<br>2477 | 2495<br>2990 | 3052 | 2625                       | 1426 | 6,8                                               | 2,14 | 1,84                      | 3402<br>3564 | DWG12 | SM12                  | T6222E                 |       |
| 54,4<br>45 | 1313                               | 1638                                            | 1855<br>2026 | 2280<br>2477 | 2795<br>2990 | 3008 | 2587                       | 1470 | 13,7                                              | 2,05 | 1,76                      | 3402<br>3564 | DWG12 | SM12                  | T6222E                 |       |

| FREQUENCY | APPLICATION | REFRIGERANT |
|-----------|-------------|-------------|
| 60 Hz     | M/HBP       | R 22        |

|      | Condensing Temperature | Cooling Capacity / Evaporating Temperature [°C] |      |      |      |      |      |          |              |             |                    |           |      | Drawings |       | MODEL |               |
|------|------------------------|-------------------------------------------------|------|------|------|------|------|----------|--------------|-------------|--------------------|-----------|------|----------|-------|-------|---------------|
|      |                        | Subcooled conditions [W]                        |      |      |      |      |      |          |              |             |                    |           |      |          |       |       |               |
|      |                        |                                                 |      |      |      |      |      |          | Cooling      |             | Rated Point +7,2°C |           | EER  |          |       |       | External View |
| [°C] | -20                    | -15                                             | -10  | -5   | 0    | +5   | [W]  | [kcal/h] | W. input [W] | Current [A] | [W/W]              | [kcal/hW] | +10  | ref.     | ref.  |       |               |
|      | 54,4                   |                                                 |      | 950  | 1196 | 1477 | 1791 | 1940     | 1668         | 861         | 4,2                | 2,25      | 1,94 | 2139     | DWG04 | SM06  | NE9213E       |
|      | 45                     | 675                                             | 869  | 1103 | 1376 | 1688 | 2039 |          |              |             |                    |           |      | 2430     |       |       |               |
|      | 54,4                   |                                                 |      | 937  | 1177 | 1457 | 1777 | 1930     | 1660         | 880         | 7,8                | 2,19      | 1,88 | 2136     | DWG04 | SM06  | NE9213E       |
|      | 45                     | 681                                             | 861  | 1087 | 1358 | 1675 | 2038 |          |              |             |                    |           |      | 2446     |       |       |               |
|      | 54,4                   |                                                 |      | 1679 | 2119 | 2640 | 3241 | 3531     | 3037         | 1328        | 2,1                | 2,66      | 2,29 | 3923     | DWG13 | SM18  | J9226P        |
|      | 45                     | 1133                                            | 1491 | 1927 | 2441 | 3032 | 3700 |          |              |             |                    |           |      | 4446     |       |       |               |
|      | 54,4                   |                                                 |      | 1679 | 2119 | 2640 | 3241 | 3531     | 3037         | 1328        | 2,1                | 2,66      | 2,29 | 3923     | DWG14 | SM18  | NJ9226P       |
|      | 45                     | 1133                                            | 1491 | 1927 | 2441 | 3032 | 3700 |          |              |             |                    |           |      | 4446     |       |       |               |
|      | 54,4                   |                                                 |      | 1993 | 2526 | 3153 | 3877 | 4225     | 3634         | 1605        | 2,9                | 2,63      | 2,26 | 4695     | DWG13 | SM18  | J9232P        |
|      | 45                     | 1355                                            | 1781 | 2310 | 2941 | 3676 | 4513 |          |              |             |                    |           |      | 5453     |       |       |               |
|      | 54,4                   |                                                 |      | 1993 | 2526 | 3153 | 3877 | 4225     | 3634         | 1605        | 2,9                | 2,63      | 2,26 | 4695     | DWG14 | SM18  | NJ9232P       |
|      | 45                     | 1355                                            | 1781 | 2310 | 2941 | 3676 | 4513 |          |              |             |                    |           |      | 5453     |       |       |               |
|      | 54,4                   |                                                 |      | 2638 | 3278 | 4010 | 4834 | 5225     | 4494         | 2171        | 8,3                | 2,41      | 2,07 | 5749     | DWG13 | SM18  | J9238P        |
|      | 45                     | 1805                                            | 2302 | 2914 | 3640 | 4482 | 5438 |          |              |             |                    |           |      | 6508     |       |       |               |
|      | 54,4                   |                                                 |      | 2638 | 3278 | 4010 | 4834 | 5225     | 4494         | 2171        | 8,3                | 2,41      | 2,07 | 5749     | DWG14 | SM18  | NJ9238P       |
|      | 45                     | 1805                                            | 2302 | 2914 | 3640 | 4482 | 5438 |          |              |             |                    |           |      | 6508     |       |       |               |

| FREQUENCY | APPLICATION | REFRIGERANT |
|-----------|-------------|-------------|
| 60 Hz     | AC          | R 22        |

|  | Condensing Temperature | Cooling Capacity / Evaporating Temperature [°C] |      |                    |          |     |     |       |           |      |      | Drawings      |                | MODEL   |
|--|------------------------|-------------------------------------------------|------|--------------------|----------|-----|-----|-------|-----------|------|------|---------------|----------------|---------|
|  |                        | Subcooled conditions [W]                        |      |                    |          |     |     |       |           |      |      |               |                |         |
|  |                        |                                                 |      | Rated Point +7.2°C |          |     |     |       |           |      |      | External View | Wiring Diagram |         |
|  | Cooling                |                                                 |      | W. input           | Current  | EER |     |       |           |      |      |               |                |         |
|  | [°C]                   | 0                                               | +5   | [W]                | [kcal/h] | [W] | [A] | [W/W] | [kcal/hW] | +10  | +15  | ref.          | ref.           |         |
|  | 54,4                   | 1009                                            | 1229 | 1334               | 1147     | 533 | 4,6 | 2,50  | 2,15      | 1474 | 1744 | DWG07         | SM07           | NE7195E |
|  | 45                     | 1081                                            | 1315 |                    |          |     |     |       |           | 1571 | 1848 |               |                |         |
|  | 54,4                   | 1112                                            | 1344 | 1465               | 1258     | 598 | 5,4 | 2,45  | 2,11      | 1560 | 1765 | DWG07         | SM07           | NE7210E |
|  | 45                     | 1168                                            | 1422 |                    |          |     |     |       |           | 1713 | 2042 |               |                |         |
|  | 54,4                   | 1346                                            | 1683 | 1861               | 1600     | 810 | 7,0 | 2,30  | 1,98      | 2115 | 2644 | DWG07         | SM07           | NE7213E |
|  | 45                     | 1658                                            | 2013 |                    |          |     |     |       |           | 2473 | 3039 |               |                |         |



| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 22        | AC          | 60 Hz     |

| MODEL   | Displacement |       | B.O.M. | Voltage / Frequency                     | Motor Type | LRA  | Exp. Device | Lubricant |      |       | Weight |      | Max. Height A |      | Cooling Type |  |
|---------|--------------|-------|--------|-----------------------------------------|------------|------|-------------|-----------|------|-------|--------|------|---------------|------|--------------|--|
|         | [cm³]        | [in³] |        |                                         |            |      |             | Charge    | Type |       | [kg]   | [lb] | [mm]          | [in] |              |  |
| T7223G  | 20,40        | 1,24  | 118DD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | PSC        | 35,0 | C           | 580       | 20   | MO 32 | 14,9   | 32,8 | 221,0         | 8,7  | F            |  |
| T7223G  | 20,40        | 1,24  | 118DG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | PSC        | 50,0 | C           | 580       | 20   | MO 32 | 15,3   | 33,7 | 221,0         | 8,7  | F            |  |
| J7225F  | 21,70        | 1,32  | 162GD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | PSC        | 35,0 | C           | 890       | 31   | MO 32 | 19,3   | 42,5 | 253,0         | 10,0 | F            |  |
| NJ7225F | 21,70        | 1,32  | 142GD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | PSC        | 35,0 | C           | 890       | 31   | MO 32 | 19,3   | 42,5 | 253,0         | 10,0 | F            |  |
| J7225E  | 21,70        | 1,32  | 162AJ  | 230 V 60 Hz / 200 V 50 Hz               | PSC        | 35,0 | C/V         | 890       | 31   | AB 46 | 19,3   | 42,5 | 253,0         | 10,0 | F            |  |
| NJ7225E | 21,70        | 1,32  | 142AJ  | 230 V 60 Hz / 200 V 50 Hz               | PSC        | 35,0 | C/V         | 890       | 31   | AB 46 | 19,3   | 42,5 | 253,0         | 10,0 | F            |  |
| J7228E  | 23,50        | 1,45  | 162DJ  | 230 V 60 Hz 1~ / 200 V 50 Hz 1~         | PSC        | 40,0 | C           | 890       | 31   | MO 32 | 19,2   | 42,3 | 253,0         | 10,0 | F            |  |
| NJ7228E | 23,50        | 1,45  | 142DJ  | 230 V 60 Hz 1~ / 200 V 50 Hz 1~         | PSC        | 40,0 | C           | 890       | 31   | MO 32 | 19,2   | 42,3 | 253,0         | 10,0 | F            |  |
| J7228P  | 23,50        | 1,45  | 166DM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 18,0 | C/V         | 890       | 31   | MO 32 | 21,5   | 47,4 | 253,0         | 10,0 | F            |  |
| NJ7228P | 23,50        | 1,45  | 146DM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 18,0 | C/V         | 890       | 31   | MO 32 | 21,5   | 47,4 | 253,0         | 10,0 | F            |  |
| J7231F  | 26,20        | 1,60  | 164ED  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | PSC        | 46,0 | C           | 890       | 31   | MO 32 | 20,4   | 45,0 | 265,0         | 10,4 | F            |  |
| NJ7231F | 26,20        | 1,60  | 144ED  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | PSC        | 46,0 | C           | 890       | 31   | MO 32 | 20,4   | 45,0 | 265,0         | 10,4 | F            |  |
| J7231P  | 26,20        | 1,60  | 168CM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 18,0 | C/V         | 890       | 31   | MO 32 | 20,1   | 44,3 | 265,0         | 10,4 | F            |  |
| NJ7231P | 26,20        | 1,60  | 148CM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 18,0 | C/V         | 890       | 31   | MO 32 | 20,1   | 44,3 | 265,0         | 10,4 | F            |  |
| J7231E  | 26,20        | 1,60  | 164CJ  | 230 V 60 Hz / 200 V 50 Hz               | PSC        | 41,0 | C/V         | 890       | 31   | AB 46 | 20,4   | 45,0 | 265,0         | 10,4 | F            |  |
| NJ7231E | 26,20        | 1,60  | 144CJ  | 230 V 60 Hz / 200 V 50 Hz               | PSC        | 41,0 | C/V         | 890       | 31   | AB 46 | 20,4   | 45,0 | 265,0         | 10,4 | F            |  |
| J7238E  | 32,70        | 2,00  | 163AJ  | 230 V 60 Hz 1~ / 200 V 50 Hz 1~         | PSC        | 58,0 | C           | 890       | 31   | MO 32 | 22,1   | 48,7 | 277,0         | 10,9 | F            |  |
| NJ7238E | 32,70        | 2,00  | 143AJ  | 230 V 60 Hz 1~ / 200 V 50 Hz 1~         | PSC        | 58,0 | C           | 890       | 31   | MO 32 | 22,1   | 48,7 | 277,0         | 10,9 | F            |  |
| J7238P  | 32,70        | 2,00  | 167AM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890       | 31   | MO 32 | 20,9   | 46,1 | 277,0         | 10,9 | F            |  |
| NJ7238P | 32,70        | 2,00  | 147AM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890       | 31   | MO 32 | 20,9   | 46,1 | 277,0         | 10,9 | F            |  |
| J7240F  | 34,37        | 2,10  | 163FD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | PSC        | 75,0 | C           | 890       | 31   | MO 32 | 22,0   | 48,5 | 277,0         | 10,9 | F            |  |
| NJ7240F | 34,37        | 2,10  | 143FD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | PSC        | 75,0 | C           | 890       | 31   | MO 32 | 22,0   | 48,5 | 277,0         | 10,9 | F            |  |
| J7240P  | 34,37        | 2,10  | 167CM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890       | 31   | MO 32 | 21,4   | 47,2 | 277,0         | 10,9 | F            |  |
| NJ7240P | 34,37        | 2,10  | 147CM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890       | 31   | MO 32 | 21,4   | 47,2 | 277,0         | 10,9 | F            |  |
| J7240E  | 34,37        | 2,10  | 163CJ  | 230 V 60 Hz / 200 V 50 Hz               | PSC        | 58,0 | C/V         | 890       | 31   | AB 46 | 22,0   | 48,5 | 277,0         | 10,9 | F            |  |
| NJ7240E | 34,37        | 2,10  | 143CJ  | 230 V 60 Hz / 200 V 50 Hz               | PSC        | 58,0 | C/V         | 890       | 31   | AB 46 | 22,0   | 48,5 | 277,0         | 10,9 | F            |  |

Note: Please check Test Conditions on page 1.

| REFRIGERANT    | APPLICATION | FREQUENCY |
|----------------|-------------|-----------|
| R 404A / R 507 | LBP         | 60 Hz     |

| MODEL     | Displacement |       | B.O.M. | Voltage / Frequency                 | Motor Type | LRA  | Exp. Device | Lubricant |      |        | Weight |      | Max. Height A |      | Cooling Type |  |
|-----------|--------------|-------|--------|-------------------------------------|------------|------|-------------|-----------|------|--------|--------|------|---------------|------|--------------|--|
|           | [cm³]        | [in³] |        |                                     |            |      |             | Charge    | Type |        | [kg]   | [lb] | [mm]          | [in] |              |  |
| NB2117GK  | 4,52         | 0,28  | 994DG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 25,0 | C/V         | 350       | 12   | POE 22 | 10,5   | 23,1 | 187,0         | 7,4  | F            |  |
| NB2121GK  | 6,05         | 0,37  | 995BG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 34,6 | C/V         | 350       | 12   | POE 22 | 11,1   | 24,5 | 200,0         | 7,9  | F            |  |
| NE2125GK  | 8,78         | 0,54  | 951ID  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~ | CSIR       | 29,0 | C/V         | 350       | 12   | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE2125GK  | 8,78         | 0,54  | 951IG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 29,0 | C/V         | 350       | 12   | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE2134GK  | 12,12        | 0,74  | 953AD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~ | CSIR       | 20,7 | C/V         | 350       | 12   | POE 22 | 11,7   | 25,8 | 206,0         | 8,1  | F            |  |
| NE2134GK  | 12,12        | 0,74  | 952AG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 33,0 | C/V         | 350       | 12   | POE 22 | 11,7   | 25,8 | 200,0         | 7,9  | F            |  |
| NEK2121GK | 5,45         | 0,33  | 957DG  | 115 V 60 Hz 1~                      | CSIR       | 26,5 | C-V         | 350       | 12   | POE22  | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NEK2125GK | 6,20         | 0,38  | 957EG  | 115 V 60 Hz 1~                      | CSIR       | 26,5 | C-V         | 350       | 12   | POE22  | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NEK2134GK | 8,78         | 0,54  | 958AG  | 115 V 60 Hz 1~                      | CSIR       | 37,5 | C-V         | 350       | 12   | POE22  | 11,0   | 24,3 | 200,0         | 7,9  | F            |  |

Note: Please check Test Conditions on page 1.

| FREQUENCY |  | APPLICATION |  | REFRIGERANT |  |
|-----------|--|-------------|--|-------------|--|
| 60 Hz     |  | AC          |  | R 22        |  |

|      | Condensing Temperature | Cooling Capacity / Evaporating Temperature [°C] |      |          |              |                    |       |           |      |      |      | Drawings      |                | MODEL   |
|------|------------------------|-------------------------------------------------|------|----------|--------------|--------------------|-------|-----------|------|------|------|---------------|----------------|---------|
|      |                        | Subcooled conditions [W]                        |      |          |              |                    |       |           |      |      |      |               |                |         |
|      |                        |                                                 |      | Cooling  |              | Rated Point +7,2°C |       | EER       |      |      |      | External View | Wiring Diagram |         |
| [°C] | 0                      | +5                                              | [W]  | [kcal/h] | W. input [W] | Current [A]        | [W/W] | [kcal/hW] | +10  | +15  | ref. | ref.          |                |         |
|      | 54,4                   | 2277                                            | 2854 | 3133     | 2694         | 1294               | 6,1   | 2,42      | 2,08 | 3511 | 4247 | DWG12         | SM11           | T7223G  |
|      | 45                     | 2732                                            | 3264 |          |              |                    |       |           |      | 3995 | 4923 |               |                |         |
|      | 54,4                   | 2359                                            | 2887 | 3133     | 2694         | 1298               | 11,3  | 2,41      | 2,07 | 3458 | 4070 | DWG10         | SM11           | T7223G  |
|      | 45                     | 2732                                            | 3264 |          |              |                    |       |           |      | 3995 | 4923 |               |                |         |
|      | 54,4                   | 2360                                            | 3027 | 3368     | 2896         | 1454               | 7,0   | 2,32      | 2,00 | 3842 | 4804 | DWG13         | SM15           | J7225F  |
|      | 45                     | 2552                                            | 3262 |          |              |                    |       |           |      | 4131 | 5159 |               |                |         |
|      | 54,4                   | 2360                                            | 3027 | 3368     | 2896         | 1454               | 7,0   | 2,32      | 2,00 | 3842 | 4804 | DWG14         | SM15           | NJ7225F |
|      | 45                     | 2552                                            | 3262 |          |              |                    |       |           |      | 4131 | 5159 |               |                |         |
|      | 54,4                   | 2360                                            | 3027 | 3368     | 2896         | 1454               | 7,0   | 2,32      | 2,00 | 3842 | 4804 | DWG13         | SM15           | J7225E  |
|      | 45                     | 2552                                            | 3262 |          |              |                    |       |           |      | 4131 | 5159 |               |                |         |
|      | 54,4                   | 2360                                            | 3027 | 3368     | 2896         | 1454               | 7,0   | 2,32      | 2,00 | 3842 | 4804 | DWG14         | SM15           | NJ7225E |
|      | 45                     | 2552                                            | 3262 |          |              |                    |       |           |      | 4131 | 5159 |               |                |         |
|      | 54,4                   | 2720                                            | 3501 | 3891     | 3346         | 1591               | 7,3   | 2,45      | 2,11 | 4430 | 5507 | DWG13         | SM15           | J7228E  |
|      | 45                     | 3217                                            | 4061 |          |              |                    |       |           |      | 5055 | 6198 |               |                |         |
|      | 54,4                   | 2720                                            | 3501 | 3891     | 3346         | 1591               | 7,3   | 2,45      | 2,11 | 4430 | 5507 | DWG14         | SM15           | NJ7228E |
|      | 45                     | 3217                                            | 4061 |          |              |                    |       |           |      | 5055 | 6198 |               |                |         |
|      | 54,4                   | 2720                                            | 3501 | 3891     | 3346         | 1449               | 2,7   | 2,69      | 2,31 | 4430 | 5507 | DWG13         | SM18           | J7228P  |
|      | 45                     | 3217                                            | 4061 |          |              |                    |       |           |      | 5055 | 6198 |               |                |         |
|      | 54,4                   | 2720                                            | 3501 | 3891     | 3346         | 1449               | 2,7   | 2,69      | 2,31 | 4430 | 5507 | DWG14         | SM18           | NJ7228P |
|      | 45                     | 3217                                            | 4061 |          |              |                    |       |           |      | 5055 | 6198 |               |                |         |
|      | 54,4                   | 3189                                            | 3878 | 4208     | 3619         | 1754               | 8,0   | 2,40      | 2,06 | 4649 | 5502 | DWG13         | SM15           | J7231F  |
|      | 45                     | 3770                                            | 4563 |          |              |                    |       |           |      | 5510 | 6612 |               |                |         |
|      | 54,4                   | 3189                                            | 3878 | 4208     | 3619         | 1754               | 8,0   | 2,40      | 2,06 | 4649 | 5502 | DWG14         | SM15           | NJ7231F |
|      | 45                     | 3770                                            | 4563 |          |              |                    |       |           |      | 5510 | 6612 |               |                |         |
|      | 54,4                   | 3189                                            | 3878 | 4208     | 3619         | 1561               | 3,2   | 2,70      | 2,32 | 4649 | 5502 | DWG13         | SM18           | J7231P  |
|      | 45                     | 3770                                            | 4563 |          |              |                    |       |           |      | 5510 | 6612 |               |                |         |
|      | 54,4                   | 3189                                            | 3878 | 4208     | 3619         | 1561               | 3,2   | 2,70      | 2,32 | 4649 | 5502 | DWG14         | SM18           | NJ7231P |
|      | 45                     | 3770                                            | 4563 |          |              |                    |       |           |      | 5510 | 6612 |               |                |         |
|      | 54,4                   | 3189                                            | 3878 | 4208     | 3619         | 1754               | 8,0   | 2,40      | 2,60 | 4649 | 5502 | DWG13         | SM15           | J7231E  |
|      | 45                     | 3770                                            | 4563 |          |              |                    |       |           |      | 5510 | 6612 |               |                |         |
|      | 54,4                   | 3189                                            | 3878 | 4208     | 3619         | 1754               | 8,0   | 2,40      | 2,60 | 4649 | 5502 | DWG14         | SM15           | NJ7231E |
|      | 45                     | 3770                                            | 4563 |          |              |                    |       |           |      | 5510 | 6612 |               |                |         |
|      | 54,4                   | 3894                                            | 4736 | 5167     | 4444         | 2351               | 10,9  | 2,20      | 1,89 | 5769 | 6992 | DWG13         | SM15           | J7238E  |
|      | 45                     | 4666                                            | 5730 |          |              |                    |       |           |      | 6898 | 8168 |               |                |         |
|      | 54,4                   | 3894                                            | 4736 | 5167     | 4444         | 2351               | 10,9  | 2,20      | 1,89 | 5769 | 6992 | DWG14         | SM15           | NJ7238E |
|      | 45                     | 4666                                            | 5730 |          |              |                    |       |           |      | 6898 | 8168 |               |                |         |
|      | 54,4                   | 3894                                            | 4736 | 5167     | 4444         | 2157               | 3,5   | 2,40      | 2,06 | 5769 | 6992 | DWG13         | SM18           | J7238P  |
|      | 45                     | 4666                                            | 5730 |          |              |                    |       |           |      | 6898 | 8168 |               |                |         |
|      | 54,4                   | 3894                                            | 4736 | 5167     | 4444         | 2157               | 3,5   | 2,40      | 2,06 | 5769 | 6992 | DWG14         | SM18           | NJ7238P |
|      | 45                     | 4666                                            | 5730 |          |              |                    |       |           |      | 6898 | 8168 |               |                |         |
|      | 54,4                   | 4232                                            | 5199 | 5661     | 4868         | 2597               | 12,8  | 2,18      | 1,87 | 6282 | 7481 | DWG13         | SM15           | J7240F  |
|      | 45                     | 4663                                            | 5755 |          |              |                    |       |           |      | 6997 | 8391 |               |                |         |
|      | 54,4                   | 4232                                            | 5199 | 5661     | 4868         | 2597               | 12,8  | 2,18      | 1,87 | 6282 | 7481 | DWG14         | SM15           | NJ7240F |
|      | 45                     | 4663                                            | 5755 |          |              |                    |       |           |      | 6997 | 8391 |               |                |         |
|      | 54,4                   | 4232                                            | 5199 | 5661     | 4868         | 2362               | 3,9   | 2,40      | 2,06 | 6282 | 7481 | DWG13         | SM18           | J7240P  |
|      | 45                     | 4663                                            | 5755 |          |              |                    |       |           |      | 6997 | 8391 |               |                |         |
|      | 54,4                   | 4232                                            | 5199 | 5661     | 4868         | 2362               | 3,9   | 2,40      | 2,06 | 6282 | 7481 | DWG14         | SM18           | NJ7240P |
|      | 45                     | 4663                                            | 5755 |          |              |                    |       |           |      | 6997 | 8391 |               |                |         |
|      | 54,4                   | 4232                                            | 5199 | 5661     | 4868         | 2597               | 12,8  | 2,18      | 1,87 | 6282 | 7481 | DWG13         | SM15           | J7240E  |
|      | 45                     | 4663                                            | 5755 |          |              |                    |       |           |      | 6997 | 8391 |               |                |         |
|      | 54,4                   | 4232                                            | 5199 | 5661     | 4868         | 2597               | 12,8  | 2,18      | 1,87 | 6282 | 7481 | DWG14         | SM15           | NJ7240E |
|      | 45                     | 4663                                            | 5755 |          |              |                    |       |           |      | 6997 | 8391 |               |                |         |

| FREQUENCY |  | APPLICATION |  | REFRIGERANT    |  |
|-----------|--|-------------|--|----------------|--|
| 60 Hz     |  | LBP         |  | R 404A / R 507 |  |

|  | Condensing Temperature | Cooling Capacity / Evaporating Temperature [°C] |     |     |     |                     |          |                 |                |              |           |     |      | Drawings |               | MODEL |                |
|--|------------------------|-------------------------------------------------|-----|-----|-----|---------------------|----------|-----------------|----------------|--------------|-----------|-----|------|----------|---------------|-------|----------------|
|  |                        | Subcooled conditions [W]                        |     |     |     |                     |          |                 |                |              |           |     |      |          |               |       |                |
|  |                        |                                                 |     |     |     | Rated Point -23,3°C |          |                 |                |              |           |     |      |          | External View |       | Wiring Diagram |
|  | [°C]                   | -40                                             | -35 | -30 | -25 | Cooling<br>[W]      | [kcal/h] | W. input<br>[W] | Current<br>[A] | EER<br>[W/W] | [kcal/hW] | -20 | -15  | -10      | ref.          | ref.  |                |
|  | 54,4                   |                                                 |     | 126 | 184 | 206                 | 177      | 209             | 3,3            | 0,98         | 0,84      | 250 | 325  | 409      | DWG04         | SM04  | NB2117GK       |
|  | 45                     | 67                                              | 106 | 155 | 213 |                     |          |                 |                |              |           | 281 | 358  | 444      |               |       |                |
|  | 54,4                   |                                                 |     | 216 | 291 | 320                 | 275      | 298             | 4,8            | 1,07         | 0,92      | 378 | 475  | 583      | DWG04         | SM04  | NB2121GK       |
|  | 45                     | 124                                             | 177 | 241 | 318 |                     |          |                 |                |              |           | 406 | 507  | 620      |               |       |                |
|  | 54,4                   |                                                 |     | 181 | 315 | 364                 | 313      | 344             | 5,3            | 1,06         | 0,91      | 465 | 631  | 813      | DWG04         | SM04  | NE2125GK       |
|  | 45                     | 56                                              | 150 | 263 | 395 |                     |          |                 |                |              |           | 546 | 715  | 904      |               |       |                |
|  | 54,4                   |                                                 |     | 181 | 315 | 364                 | 313      | 344             | 5,3            | 1,06         | 0,91      | 465 | 631  | 813      | DWG04         | SM04  | NE2125GK       |
|  | 45                     | 56                                              | 150 | 263 | 395 |                     |          |                 |                |              |           | 546 | 715  | 904      |               |       |                |
|  | 54,4                   |                                                 |     | 303 | 478 | 543                 | 467      | 436             | 2,8            | 1,25         | 1,08      | 676 | 895  | 1137     | DWG04         | SM04  | NE2134GK       |
|  | 45                     | 102                                             | 251 | 416 | 596 |                     |          |                 |                |              |           | 792 | 1003 | 1230     |               |       |                |
|  | 54,4                   |                                                 |     | 303 | 487 | 553                 | 476      | 459             | 5,9            | 1,21         | 1,04      | 689 | 910  | 1150     | DWG04         | SM04  | NE2134GK       |
|  | 45                     | 96                                              | 247 | 415 | 598 |                     |          |                 |                |              |           | 798 | 1013 | 1244     |               |       |                |
|  | 54,4                   | 150                                             | 195 | 255 | 326 | 355                 | 305      | 286             | 4,04           | 1,24         | 1,07      | 414 | 515  | 629      | DWG04         | SM04  | NEK2121GK      |
|  | 45                     | 169                                             | 213 | 272 | 349 |                     |          |                 |                |              |           | 437 | 542  | 662      |               |       |                |
|  | 54,4                   | 188                                             | 242 | 312 | 395 | 427                 | 367      | 323             | 4,28           | 1,32         | 1,14      | 494 | 608  | 737      | DWG04         | SM04  | NEK2125GK      |
|  | 45                     | 195                                             | 248 | 316 | 403 |                     |          |                 |                |              |           | 508 | 630  | 771      |               |       |                |
|  | 54,4                   | 212                                             | 298 | 402 | 526 | 571                 | 491      | 433             | 5,50           | 1,32         | 1,13      | 667 | 828  | 1007     | DWG04         | SM04  | NEK2134GK      |
|  | 45                     | 251                                             | 326 | 423 | 540 |                     |          |                 |                |              |           | 688 | 857  | 1048     |               |       |                |

| REFRIGERANT    | APPLICATION | FREQUENCY |
|----------------|-------------|-----------|
| R 404A / R 507 | LBP         | 60 Hz     |

| MODEL    | Displacement |       | B.O.M. | Voltage / Frequency                     | Motor Type | LRA  | Exp. Device | Lubricant    |       |        | Weight |      | Max. Height A |      | Cooling Type |  |
|----------|--------------|-------|--------|-----------------------------------------|------------|------|-------------|--------------|-------|--------|--------|------|---------------|------|--------------|--|
|          | [cm³]        | [in³] |        |                                         |            |      |             | Charge [cm³] | [oz²] | Type   | [kg]   | [lb] | [mm]          | [in] |              |  |
| T2140GK  | 12,58        | 0,77  | 933BG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSIR       | 36,0 | C/V         | 550          | 19    | POE 22 | 13,8   | 30,4 | 201,0         | 7,9  | F            |  |
| T2155GK  | 14,50        | 0,88  | 936AD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSR        | 20,0 | C/V         | 580          | 20    | POE 22 | 14,6   | 32,2 | 221,0         | 8,7  | F            |  |
| T2155GK- | 14,50        | 0,88  | 936BD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSIR       | 29,5 | C/V         | 580          | 20    | POE 22 | 16,6   | 36,6 | 221,0         | 8,7  | F            |  |
| T2155GK- | 14,50        | 0,88  | 936BG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSIR       | 48,8 | C/V         | 580          | 20    | POE 22 | 16,3   | 35,9 | 221,0         | 8,7  | F            |  |
| T2168GK  | 17,40        | 1,06  | 936CD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSR        | 32,5 | C/V         | 580          | 20    | POE 22 | 16,6   | 36,6 | 221,0         | 8,7  | F            |  |
| T2168GK- | 17,40        | 1,06  | 936DG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSIR       | 55,0 | C/V         | 580          | 20    | POE 22 | 17,2   | 37,9 | 221,0         | 8,7  | F            |  |
| T2178GK  | 20,40        | 1,24  | 936ED  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSR        | 33,0 | C/V         | 580          | 20    | POE 22 | 17,2   | 37,9 | 221,0         | 8,7  | F            |  |
| T2178GK  | 20,40        | 1,24  | 936EG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSR        | 65,0 | C/V         | 580          | 20    | POE 22 | 16,8   | 37,0 | 221,0         | 8,7  | F            |  |
| T2180GK  | 22,40        | 1,37  | 936HD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSR        | 33,0 | C/V         | 580          | 20    | POE 22 | 17,0   | 37,5 | 221,0         | 8,7  | F            |  |
| T2180GK  | 22,40        | 1,37  | 936HG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSR        | 68,0 | C/V         | 580          | 20    | POE 22 | 17,0   | 37,5 | 221,0         | 8,7  | F            |  |
| J2192GK  | 26,20        | 1,60  | 963AD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSR        | 40,0 | C/V         | 890          | 31    | POE 22 | 21,7   | 47,8 | 277,0         | 10,9 | F            |  |
| NJ2192GK | 26,20        | 1,60  | 943AD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSR        | 40,0 | C/V         | 890          | 31    | POE 22 | 21,7   | 47,8 | 277,0         | 10,9 | F            |  |
| J2192GK  | 26,20        | 1,60  | 963AG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSR        | 86,5 | C/V         | 890          | 31    | POE 22 | 21,7   | 47,8 | 277,0         | 10,9 | F            |  |
| NJ2192GK | 26,20        | 1,60  | 943AG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSR        | 86,5 | C/V         | 890          | 31    | POE 22 | 21,7   | 47,8 | 277,0         | 10,9 | F            |  |
| J2192GS  | 26,20        | 1,60  | 968AM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890          | 31    | POE 22 | 22,8   | 50,3 | 265,0         | 10,4 | F            |  |
| NJ2192GS | 26,20        | 1,60  | 948AM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890          | 31    | POE 22 | 22,8   | 50,3 | 265,0         | 10,4 | F            |  |
| J2212GK  | 34,37        | 2,10  | 963BD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSR        | 40,0 | C/V         | 890          | 31    | POE 22 | 21,8   | 48,1 | 277,0         | 10,9 | F            |  |
| NJ2212GK | 34,37        | 2,10  | 943BD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSR        | 40,0 | C/V         | 890          | 31    | POE 22 | 21,8   | 48,1 | 277,0         | 10,9 | F            |  |
| J2212GK  | 34,37        | 2,10  | 963BG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSR        | 86,5 | C/V         | 890          | 31    | POE 22 | 21,8   | 48,1 | 277,0         | 10,9 | F            |  |
| NJ2212GK | 34,37        | 2,10  | 943BG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSR        | 86,5 | C/V         | 890          | 31    | POE 22 | 21,8   | 48,1 | 277,0         | 10,9 | F            |  |
| J2212GS  | 34,37        | 2,10  | 967AM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890          | 31    | POE 22 | 20,4   | 45,0 | 277,0         | 10,9 | F            |  |
| NJ2212GS | 34,37        | 2,10  | 947AM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890          | 31    | POE 22 | 20,4   | 45,0 | 277,0         | 10,9 | F            |  |

Note: Please check Test Conditions on page 1.

| REFRIGERANT    | APPLICATION | FREQUENCY |
|----------------|-------------|-----------|
| R 404A / R 507 | MBP         | 60 Hz     |

| MODEL     | Displacement |       | B.O.M. | Voltage / Frequency                 | Motor Type | LRA  | Exp. Device | Lubricant    |       |        | Weight |      | Max. Height A |      | Cooling Type |  |
|-----------|--------------|-------|--------|-------------------------------------|------------|------|-------------|--------------|-------|--------|--------|------|---------------|------|--------------|--|
|           | [cm³]        | [in³] |        |                                     |            |      |             | Charge [cm³] | [oz²] | Type   | [kg]   | [lb] | [mm]          | [in] |              |  |
| NB6144GK  | 4,52         | 0,28  | 994IG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 27,7 | C/V         | 350          | 12    | POE 22 | 10,3   | 22,7 | 187,0         | 7,4  | F            |  |
| NB6152GK  | 5,02         | 0,31  | 994LG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 27,7 | C/V         | 350          | 12    | POE 22 | 10,3   | 22,7 | 187,0         | 7,4  | F            |  |
| NB6165GK  | 6,05         | 0,37  | 994NG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 29,8 | C/V         | 350          | 12    | POE 22 | 10,4   | 22,9 | 187,0         | 7,4  | F            |  |
| NE6181GK  | 7,28         | 0,44  | 952LG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 34,6 | C/V         | 350          | 12    | POE 22 | 11,0   | 24,3 | 200,0         | 7,9  | F            |  |
| NE6210GK  | 8,78         | 0,54  | 951ND  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~ | CSIR       | 16,8 | C/V         | 350          | 12    | POE 22 | 10,5   | 23,1 | 187,0         | 7,4  | F            |  |
| NE6210GK  | 8,78         | 0,54  | 951NG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSIR       | 29,0 | C/V         | 350          | 12    | POE 22 | 10,5   | 23,1 | 187,0         | 7,4  | F            |  |
| NE9213GK  | 12,12        | 0,74  | 953ED  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~ | CSR        | 24,8 | C/V         | 350          | 12    | POE 22 | 11,6   | 25,6 | 206,0         | 8,1  | F            |  |
| NE9213GK  | 12,12        | 0,74  | 953EG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | CSR        | 33,6 | C/V         | 350          | 12    | POE 22 | 11,6   | 25,6 | 206,0         | 8,1  | F            |  |
| NEK6165GK | 6,20         | 0,38  | 957IG  | 115 V 60 Hz 1~                      | CSIR       | 26,5 | C-V         | 350          | 12    | POE22  | 10,4   | 22,9 | 187           | 7,4  | F            |  |
| NEK6181GK | 7,28         | 0,44  | 957MG  | 115 V 60 Hz 1~                      | CSIR       | 26,5 | C-V         | 350          | 12    | POE22  | 10,4   | 22,9 | 187           | 7,4  | F            |  |
| NEK6210GK | 8,78         | 0,54  | 958CG  | 115 V 60 Hz 1~                      | CSIR       | 38,0 | C-V         | 350          | 12    | POE22  | 11     | 24,3 | 200           | 7,9  | F            |  |

Note: Please check Test Conditions on page 1.

| FREQUENCY |  |  |  | APPLICATION |  |  |  | REFRIGERANT    |  |  |  |
|-----------|--|--|--|-------------|--|--|--|----------------|--|--|--|
| 60 Hz     |  |  |  | LBP         |  |  |  | R 404A / R 507 |  |  |  |

|  | Condensing Temperature<br><br>[°C] | Cooling Capacity / Evaporating Temperature [°C]<br>Subcooled conditions [W] |     |              |              |                           |      |                 |                |                          |      |              |              |              | Drawings                  |                            | MODEL    |
|--|------------------------------------|-----------------------------------------------------------------------------|-----|--------------|--------------|---------------------------|------|-----------------|----------------|--------------------------|------|--------------|--------------|--------------|---------------------------|----------------------------|----------|
|  |                                    | -40                                                                         | -35 | -30          | -25          | Rated Point -23,3°C       |      |                 |                |                          |      | -20          | -15          | -10          | External View<br><br>ref. | Wiring Diagram<br><br>ref. |          |
|  |                                    |                                                                             |     |              |              | Cooling<br>[W]   [kcal/h] |      | W. input<br>[W] | Current<br>[A] | EER<br>[W/W]   [kcal/hW] |      |              |              |              |                           |                            |          |
|  | 54,4<br>45                         | 147                                                                         | 253 | 326<br>388   | 480<br>552   | 539                       | 464  | 499             | 7,5            | 1,08                     | 0,93 | 662<br>745   | 871<br>966   | 1106<br>1217 | DWG08                     | SM08                       | T2140GK  |
|  | 54,4<br>45                         | 257                                                                         | 350 | 411<br>491   | 607<br>683   | 681                       | 586  | 537             | 2,6            | 1,27                     | 1,09 | 836<br>923   | 1100<br>1213 | 1397<br>1552 | DWG12                     | SM13                       | T2155GK  |
|  | 54,4<br>45                         | 257                                                                         | 350 | 411<br>491   | 607<br>683   | 681                       | 586  | 557             | 3,5            | 1,22                     | 1,05 | 836<br>923   | 1100<br>1213 | 1397<br>1552 | DWG08                     | SM08                       | T2155GK- |
|  | 54,4<br>45                         | 257                                                                         | 350 | 411<br>491   | 607<br>683   | 681                       | 586  | 621             | 7,8            | 1,10                     | 0,95 | 836<br>923   | 1100<br>1213 | 1397<br>1552 | DWG08                     | SM08                       | T2155GK- |
|  | 54,4<br>45                         | 343                                                                         | 474 | 569<br>653   | 794<br>881   | 879                       | 756  | 649             | 3,2            | 1,35                     | 1,16 | 1060<br>1156 | 1367<br>1479 | 1717<br>1850 | DWG10                     | SM13                       | T2168GK  |
|  | 54,4<br>45                         | 343                                                                         | 474 | 569<br>653   | 794<br>881   | 879                       | 756  | 763             | 9,1            | 1,15                     | 0,99 | 1060<br>1156 | 1367<br>1479 | 1717<br>1850 | DWG11                     | SM10                       | T2168GK- |
|  | 54,4<br>45                         | 411                                                                         | 580 | 716<br>793   | 970<br>1050  | 1065                      | 916  | 891             | 2,8            | 1,20                     | 1,03 | 1264<br>1351 | 1598<br>1696 | 1973<br>2085 | DWG11                     | SM13                       | T2178GK  |
|  | 54,4<br>45                         | 411                                                                         | 580 | 716<br>793   | 970<br>1050  | 1065                      | 916  | 815             | 7,7            | 1,31                     | 1,13 | 1264<br>1351 | 1598<br>1696 | 1973<br>2085 | DWG11                     | SM13                       | T2178GK  |
|  | 54,4<br>45                         | 456                                                                         | 632 | 776<br>858   | 1034<br>1133 | 1132                      | 974  | 986             | 4,7            | 1,15                     | 0,99 | 1339<br>1458 | 1692<br>1831 | 2093<br>2254 | DWG11                     | SM13                       | T2180GK  |
|  | 54,4<br>45                         | 456                                                                         | 632 | 776<br>858   | 1034<br>1133 | 1132                      | 974  | 1020            | 9,7            | 1,11                     | 0,95 | 1339<br>1458 | 1692<br>1831 | 2093<br>2254 | DWG11                     | SM13                       | T2180GK  |
|  | 54,4<br>45                         | 430                                                                         | 685 | 880<br>989   | 1194<br>1342 | 1316                      | 1132 | 1011            | 4,9            | 1,30                     | 1,12 | 1574<br>1745 | 2019<br>2196 | 2529<br>2697 | DWG13                     | SM16                       | J2192GK  |
|  | 54,4<br>45                         | 430                                                                         | 685 | 880<br>989   | 1194<br>1342 | 1316                      | 1132 | 1011            | 4,9            | 1,30                     | 1,12 | 1574<br>1745 | 2019<br>2196 | 2529<br>2697 | DWG14                     | SM16                       | NJ2192GK |
|  | 54,4<br>45                         | 430                                                                         | 685 | 880<br>989   | 1194<br>1342 | 1316                      | 1132 | 1011            | 9,8            | 1,30                     | 1,12 | 1574<br>1745 | 2019<br>2196 | 2529<br>2697 | DWG13                     | SM16                       | J2192GK  |
|  | 54,4<br>45                         | 430                                                                         | 685 | 880<br>989   | 1194<br>1342 | 1316                      | 1132 | 1011            | 9,8            | 1,30                     | 1,12 | 1574<br>1745 | 2019<br>2196 | 2529<br>2697 | DWG14                     | SM16                       | NJ2192GK |
|  | 54,4<br>45                         | 430                                                                         | 685 | 880<br>989   | 1194<br>1342 | 1316                      | 1132 | 1068            | 1,9            | 1,23                     | 1,06 | 1574<br>1745 | 2019<br>2196 | 2529<br>2697 | DWG13                     | SM18                       | J2192GS  |
|  | 54,4<br>45                         | 430                                                                         | 685 | 880<br>989   | 1194<br>1342 | 1316                      | 1132 | 1068            | 1,9            | 1,23                     | 1,06 | 1574<br>1745 | 2019<br>2196 | 2529<br>2697 | DWG14                     | SM18                       | NJ2192GS |
|  | 54,4<br>45                         | 573                                                                         | 880 | 1105<br>1269 | 1559<br>1738 | 1728                      | 1486 | 1154            | 5,4            | 1,50                     | 1,29 | 2077<br>2289 | 2659<br>2921 | 3305<br>3634 | DWG13                     | SM16                       | J2212GK  |
|  | 54,4<br>45                         | 573                                                                         | 880 | 1105<br>1269 | 1559<br>1738 | 1728                      | 1486 | 1154            | 5,4            | 1,50                     | 1,29 | 2077<br>2289 | 2659<br>2921 | 3305<br>3634 | DWG14                     | SM16                       | NJ2212GK |
|  | 54,4<br>45                         | 573                                                                         | 880 | 1105<br>1269 | 1559<br>1738 | 1728                      | 1486 | 1154            | 10,8           | 1,50                     | 1,29 | 2077<br>2289 | 2659<br>2921 | 3305<br>3634 | DWG13                     | SM16                       | J2212GK  |
|  | 54,4<br>45                         | 573                                                                         | 880 | 1105<br>1269 | 1559<br>1738 | 1728                      | 1486 | 1154            | 10,8           | 1,50                     | 1,29 | 2077<br>2289 | 2659<br>2921 | 3305<br>3634 | DWG14                     | SM16                       | NJ2212GK |
|  | 54,4<br>45                         | 573                                                                         | 880 | 1105<br>1269 | 1559<br>1738 | 1728                      | 1486 | 1332            | 2,0            | 1,30                     | 1,12 | 2077<br>2289 | 2659<br>2921 | 3305<br>3634 | DWG13                     | SM18                       | J2212GS  |
|  | 54,4<br>45                         | 573                                                                         | 880 | 1105<br>1269 | 1559<br>1738 | 1728                      | 1486 | 1332            | 2,0            | 1,30                     | 1,12 | 2077<br>2289 | 2659<br>2921 | 3305<br>3634 | DWG14                     | SM18                       | NJ2212GS |

| FREQUENCY |  |  |  | APPLICATION |  |  |  | REFRIGERANT    |  |  |  |
|-----------|--|--|--|-------------|--|--|--|----------------|--|--|--|
| 60 Hz     |  |  |  | MBP         |  |  |  | R 404A / R 507 |  |  |  |

|  | Condensing Temperature<br><br>[°C] | Cooling Capacity / Evaporating Temperature [°C]<br>Subcooled conditions [W] |     |              |              |              |              |                           |      |                 |                |                          |      |              | Drawings |      | MODEL     |
|--|------------------------------------|-----------------------------------------------------------------------------|-----|--------------|--------------|--------------|--------------|---------------------------|------|-----------------|----------------|--------------------------|------|--------------|----------|------|-----------|
|  |                                    | -20                                                                         | -15 | -10          | -5           | 0            | +5           | Rated Point +7,2°C        |      |                 |                |                          |      | +10          |          |      |           |
|  |                                    |                                                                             |     |              |              |              |              | Cooling<br>[W]   [kcal/h] |      | W. input<br>[W] | Current<br>[A] | EER<br>[W/W]   [kcal/hW] |      |              |          |      |           |
|  | 54,4<br>45                         | 260                                                                         | 330 | 344<br>415   | 431<br>515   | 530<br>630   | 642<br>759   | 695                       | 598  | 379             | 4,7            | 1,83                     | 1,57 | 767<br>903   | DWG04    | SM04 | NB6144GK  |
|  | 54,4<br>45                         | 322                                                                         | 404 | 420<br>502   | 518<br>616   | 630<br>746   | 755<br>893   | 815                       | 701  | 467             | 5,3            | 1,74                     | 1,50 | 894<br>1055  | DWG04    | SM04 | NB6152GK  |
|  | 54,4<br>45                         | 378                                                                         | 471 | 496<br>585   | 611<br>718   | 743<br>872   | 890<br>1045  | 960                       | 826  | 605             | 7,1            | 1,59                     | 1,37 | 1054<br>1239 | DWG04    | SM04 | NB6165GK  |
|  | 54,4<br>45                         | 429                                                                         | 567 | 588<br>731   | 754<br>921   | 941<br>1138  | 1148<br>1380 | 1246                      | 1072 | 584             | 6,6            | 2,13                     | 1,83 | 1377<br>1649 | DWG04    | SM04 | NE6181GK  |
|  | 54,4<br>45                         | 551                                                                         | 702 | 713<br>884   | 898<br>1097  | 1104<br>1341 | 1333<br>1615 | 1441                      | 1239 | 748             | 4,3            | 1,93                     | 1,66 | 1584<br>1920 | DWG04    | SM04 | NE6210GK  |
|  | 54,4<br>45                         | 539                                                                         | 697 | 713<br>886   | 904<br>1104  | 1119<br>1352 | 1358<br>1630 | 1470                      | 1264 | 736             | 8,0            | 2,00                     | 1,72 | 1620<br>1939 | DWG04    | SM04 | NE6210GK  |
|  | 54,4<br>45                         | 764                                                                         | 978 | 1007<br>1230 | 1256<br>1522 | 1543<br>1853 | 1867<br>2224 | 2021                      | 1738 | 1026            | 9,1            | 1,97                     | 1,69 | 2228<br>2633 | DWG04    | SM06 | NE9213GK  |
|  | 54,4<br>45                         | 764                                                                         | 978 | 1007<br>1230 | 1256<br>1522 | 1543<br>1853 | 1867<br>2224 | 2021                      | 1738 | 1026            | 9,1            | 1,97                     | 1,69 | 2228<br>2633 | DWG04    | SM06 | NE9213GK  |
|  | 54,4<br>45                         | 481                                                                         | 586 | 614<br>714   | 743<br>866   | 894<br>1043  | 1066<br>1245 | 1150                      | 989  | 584             | 6,14           | 1,97                     | 1,69 | 1260<br>1472 | DWG04    | SM04 | NEK6165GK |
|  | 54,4<br>45                         | 441                                                                         | 588 | 667<br>762   | 790<br>956   | 949<br>1173  | 1147<br>1410 | 1247                      | 1072 | 619             | 6,69           | 2,01                     | 1,73 | 1383<br>1671 | DWG04    | SM04 | NEK6181GK |
|  | 54,4<br>45                         | 647                                                                         | 793 | 823<br>972   | 998<br>1185  | 1207<br>1431 | 1451<br>1713 | 1569                      | 1349 | 756             | 8,18           | 2,07                     | 1,78 | 1728<br>2023 | DWG04    | SM04 | NEK6210GK |

| REFRIGERANT    | APPLICATION | FREQUENCY |
|----------------|-------------|-----------|
| R 404A / R 507 | MBP         | 60 Hz     |

| MODEL    | Displacement |       | B.O.M. | Voltage / Frequency                     | Motor Type | LRA  | Exp. Device | Lubricant    |       |        | Weight |      | Max. Height A |      | Cooling Type |  |
|----------|--------------|-------|--------|-----------------------------------------|------------|------|-------------|--------------|-------|--------|--------|------|---------------|------|--------------|--|
|          | [cm³]        | [in³] |        |                                         |            |      |             | Charge [cm³] | [oz²] | Type   | [kg]   | [lb] | [mm]          | [in] |              |  |
| T6217GK  | 14,50        | 0,89  | 931AD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSIR       | 30,0 | C/V         | 580          | 20    | POE 22 | 16,9   | 37,3 | 221,0         | 8,7  | F            |  |
| T6217GK  | 14,50        | 0,89  | 931AG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSIR       | 57,0 | C/V         | 580          | 20    | POE 22 | 16,9   | 37,3 | 221,0         | 8,7  | F            |  |
| T6220GK  | 17,40        | 1,06  | 931BD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSR        | 30,0 | C/V         | 580          | 20    | POE 22 | 15,8   | 34,8 | 221,0         | 8,7  | F            |  |
| T6220GK  | 17,40        | 1,06  | 931BG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSIR       | 57,0 | C/V         | 580          | 20    | POE 22 | 15,8   | 34,8 | 221,0         | 8,7  | F            |  |
| T6222GK  | 20,40        | 1,24  | 936VD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSR        | 34,0 | C/V         | 580          | 20    | POE 22 | 16,7   | 36,8 | 221,0         | 8,7  | F            |  |
| T6222GK  | 20,40        | 1,24  | 936VG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~         | CSR        | 71,0 | C/V         | 580          | 20    | POE 22 | 16,7   | 36,8 | 221,0         | 8,7  | F            |  |
| J9226GK  | 21,70        | 1,32  | 964LD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSR        | 34,0 | C/V         | 890          | 31    | POE 22 | 22,1   | 48,7 | 265,0         | 10,4 | F            |  |
| NJ9226GK | 21,70        | 1,32  | 944LD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSR        | 34,0 | C/V         | 890          | 31    | POE 22 | 22,1   | 48,7 | 265,0         | 10,4 | F            |  |
| J9226GS  | 21,70        | 1,32  | 968LM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 10,0 | C/V         | 890          | 31    | POE 22 | 19,7   | 43,4 | 265,0         | 10,4 | F            |  |
| NJ9226GS | 21,70        | 1,32  | 948LM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 10,0 | C/V         | 890          | 31    | POE 22 | 19,7   | 43,4 | 265,0         | 10,4 | F            |  |
| J9232GK  | 26,20        | 1,60  | 963ND  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSR        | 40,0 | C/V         | 890          | 31    | POE 22 | 21,8   | 48,1 | 277,0         | 10,9 | F            |  |
| NJ9232GK | 26,20        | 1,60  | 943ND  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~     | CSR        | 40,0 | C/V         | 890          | 31    | POE 22 | 21,8   | 48,1 | 277,0         | 10,9 | F            |  |
| J9232GS  | 26,20        | 1,60  | 967NM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890          | 31    | POE 22 | 22,1   | 48,7 | 277,0         | 10,9 | F            |  |
| NJ9232GS | 26,20        | 1,60  | 947NM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 13,0 | C/V         | 890          | 31    | POE 22 | 22,1   | 48,7 | 277,0         | 10,9 | F            |  |
| J9238GS  | 32,70        | 2,00  | 967RM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890          | 31    | POE 22 | 21,7   | 47,8 | 277,0         |      | F            |  |
| NJ9238GS | 32,70        | 2,00  | 947RM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890          | 31    | POE 22 | 21,7   | 47,8 | 277,0         |      | F            |  |

Note: Please check Test Conditions on page 1.

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 407C      | AC          | 60 Hz     |

| MODEL    | Displacement |       | B.O.M. | Voltage / Frequency                     | Motor Type | LRA  | Exp. Device | Lubricant    |       |        | Weight |      | Max. Height A |      | Cooling Type |  |
|----------|--------------|-------|--------|-----------------------------------------|------------|------|-------------|--------------|-------|--------|--------|------|---------------|------|--------------|--|
|          | [cm³]        | [in³] |        |                                         |            |      |             | Charge [cm³] | [oz²] | Type   | [kg]   | [lb] | [mm]          | [in] |              |  |
| J7231GP  | 26,20        | 1,60  | 968CM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 18,0 | C/V         | 890          | 31    | POE 22 | 20,1   | 44,3 | 265,0         | 10,4 | F            |  |
| NJ7231GP | 26,20        | 1,60  | 948CM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 18,0 | C/V         | 890          | 31    | POE 22 | 20,1   | 44,3 | 265,0         | 10,4 | F            |  |
| J7238GP  | 32,70        | 1,99  | U.D.   | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890          | 31    | POE 22 | 20,9   | 46,1 | 277,0         | 10,9 | F            |  |
| NJ7238GP | 32,70        | 1,99  | U.D.   | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890          | 31    | POE 22 | 20,9   | 46,1 | 277,0         | 10,9 | F            |  |
| J7240GP  | 34,37        | 2,10  | 967CM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890          | 31    | POE 22 | 21,4   | 47,2 | 277,0         | 10,9 | F            |  |
| NJ7240GP | 34,37        | 2,10  | 947CM  | 380-420 V 50 Hz 3~ / 440-480 V 60 Hz 3~ | 3PHASE     | 22,0 | C/V         | 890          | 31    | POE 22 | 21,4   | 47,2 | 277,0         | 10,9 | F            |  |

Note: Please check Test Conditions on page 1.

| REFRIGERANT | APPLICATION | FREQUENCY |
|-------------|-------------|-----------|
| R 600a      | LBP         | 60 Hz     |

| MODEL    | Displacement |       | B.O.M. | Voltage / Frequency                 | Motor Type   | LRA  | Exp. Device | Lubricant    |       |       | Weight |      | Max. Height A |      | Cooling Type |  |
|----------|--------------|-------|--------|-------------------------------------|--------------|------|-------------|--------------|-------|-------|--------|------|---------------|------|--------------|--|
|          | [cm³]        | [in³] |        |                                     |              |      |             | Charge [cm³] | [oz²] | Type  | [kg]   | [lb] | [mm]          | [in] |              |  |
| NB1116Y  | 12,30        | 0,75  | 887BG  | 115 V 60 Hz 1~ / 100 V 50 Hz 1~     | RSIR<br>RSCR | 19,0 | C           | 350          | 12    | MO 15 | 9,5    | 20,9 | 187,0         | 7,4  | S            |  |
| NBM1112Y | 8,40         | 0,51  | 887DD  | 208-230 V 60 Hz 1~ / 200 V 50 Hz 1~ | RSIR<br>RSCR | 8,4  | C           | 350          | 12    | MO 15 | 10,1   | 22,3 | 187,0         | 7,4  | S            |  |
| NBM1116Y | 12,30        | 0,75  | 888AU  | 220 V 60 Hz 1~                      | RSIR<br>RSCR | 7,1  | C           | 350          | 12    | MO 15 | 10,7   | 23,6 | 200,0         | 7,9  | S            |  |

Note: Please check Test Conditions on page 1.

| FREQUENCY | APPLICATION | REFRIGERANT    |
|-----------|-------------|----------------|
| 60 Hz     | MBP         | R 404A / R 507 |

|            | Condensing Temperature | Cooling Capacity / Evaporating Temperature [°C] |              |              |              |              |      |          |              |             |                    |           |              |       | Drawings |               | MODEL |
|------------|------------------------|-------------------------------------------------|--------------|--------------|--------------|--------------|------|----------|--------------|-------------|--------------------|-----------|--------------|-------|----------|---------------|-------|
|            |                        | Subcooled conditions [W]                        |              |              |              |              |      |          |              |             |                    |           |              |       |          |               |       |
|            |                        |                                                 |              |              |              |              |      |          | Cooling      |             | Rated Point +7,2°C |           | EER          |       |          | External View |       |
| [°C]       | -20                    | -15                                             | -10          | -5           | 0            | +5           | [W]  | [kcal/h] | W. input [W] | Current [A] | [W/W]              | [kcal/hW] | +10          | ref.  | ref.     |               |       |
| 54,4<br>45 | 795                    | 1079                                            | 1122<br>1398 | 1428<br>1754 | 1769<br>2145 | 2144<br>2572 | 2321 | 1996     | 1268         | 6,9         | 1,83               | 1,57      | 2555<br>3035 | DWG08 | SM08     | T6217GK       |       |
| 54,4<br>45 | 795                    | 1079                                            | 1122<br>1398 | 1428<br>1754 | 1769<br>2145 | 2144<br>2572 | 2321 | 1996     | 1250         | 13,0        | 1,86               | 1,60      | 2555<br>3035 | DWG12 | SM10     | T6217GK       |       |
| 54,4<br>45 | 1017                   | 1307                                            | 1358<br>1650 | 1721<br>2046 | 2132<br>2495 | 2591<br>2997 | 2808 | 2415     | 1324         | 6,5         | 2,12               | 1,82      | 3097<br>3551 | DWG12 | SM12     | T6220GK       |       |
| 54,4<br>45 | 1017                   | 1307                                            | 1358<br>1650 | 1721<br>2046 | 2132<br>2495 | 2591<br>2997 | 2808 | 2415     | 1557         | 15,2        | 1,80               | 1,55      | 3097<br>3551 | DWG12 | SM10     | T6220GK       |       |
| 54,4<br>45 | 1225                   | 1621                                            | 1682<br>2065 | 2093<br>2559 | 2551<br>3102 | 3058<br>3693 | 3296 | 2835     | 1668         | 8,1         | 1,98               | 1,70      | 3612<br>4334 | DWG12 | SM12     | T6222GK       |       |
| 54,4<br>45 | 1225                   | 1621                                            | 1682<br>2065 | 2093<br>2559 | 2551<br>3102 | 3058<br>3693 | 3296 | 2835     | 1668         | 15,9        | 1,98               | 1,70      | 3612<br>4334 | DWG12 | SM12     | T6222GK       |       |
| 54,4<br>45 | 1363                   | 1764                                            | 1853<br>2249 | 2338<br>2819 | 2890<br>3472 | 3508<br>4210 | 3801 | 3269     | 1675         | 8,4         | 2,27               | 1,95      | 4194<br>5032 | DWG13 | SM17     | J9226GK       |       |
| 54,4<br>45 | 1363                   | 1764                                            | 1853<br>2249 | 2338<br>2819 | 2890<br>3472 | 3508<br>4210 | 3801 | 3269     | 1675         | 8,4         | 2,27               | 1,95      | 4194<br>5032 | DWG14 | SM17     | NJ9226GK      |       |
| 54,4<br>45 | 1363                   | 1764                                            | 1853<br>2249 | 2338<br>2819 | 2890<br>3472 | 3508<br>4210 | 3801 | 3269     | 1521         | 2,4         | 2,50               | 2,15      | 4194<br>5032 | DWG13 | SM18     | J9226GS       |       |
| 54,4<br>45 | 1363                   | 1764                                            | 1853<br>2249 | 2338<br>2819 | 2890<br>3472 | 3508<br>4210 | 3801 | 3269     | 1521         | 2,4         | 2,50               | 2,15      | 4194<br>5032 | DWG14 | SM18     | NJ9226GS      |       |
| 54,4<br>45 | 1662                   | 2154                                            | 2270<br>2754 | 2873<br>3462 | 3562<br>4277 | 4336<br>5200 | 4704 | 4045     | 1960         | 9,7         | 2,40               | 2,06      | 5196<br>6230 | DWG13 | SM17     | J9232GK       |       |
| 54,4<br>45 | 1662                   | 2154                                            | 2270<br>2754 | 2873<br>3462 | 3562<br>4277 | 4336<br>5200 | 4704 | 4045     | 1960         | 9,7         | 2,40               | 2,06      | 5196<br>6230 | DWG14 | SM17     | NJ9232GK      |       |
| 54,4<br>45 | 1662                   | 2154                                            | 2270<br>2754 | 2873<br>3462 | 3562<br>4277 | 4336<br>5200 | 4704 | 4045     | 1887         | 3,0         | 2,49               | 2,14      | 5196<br>6230 | DWG13 | SM18     | J9232GS       |       |
| 54,4<br>45 | 1662                   | 2154                                            | 2270<br>2754 | 2873<br>3462 | 3562<br>4277 | 4336<br>5200 | 4704 | 4045     | 1887         | 3,0         | 2,49               | 2,14      | 5196<br>6230 | DWG14 | SM18     | NJ9232GS      |       |
| 54,4<br>45 | 2158                   | 2778                                            | 2825<br>3499 | 3527<br>4320 | 4326<br>5243 | 5222<br>6267 | 5647 | 4856     | 2223         | 4,1         | 2,54               | 2,18      | 6216<br>7391 | DWG13 | SM18     | J9238GS       |       |
| 54,4<br>45 | 2158                   | 2778                                            | 2825<br>3499 | 3527<br>4320 | 4326<br>5243 | 5222<br>6267 | 5647 | 4856     | 2223         | 4,1         | 2,54               | 2,18      | 6216<br>7391 | DWG14 | SM18     | NJ9238GS      |       |

| FREQUENCY | APPLICATION | REFRIGERANT |
|-----------|-------------|-------------|
| 60 Hz     | AC          | R 407C      |

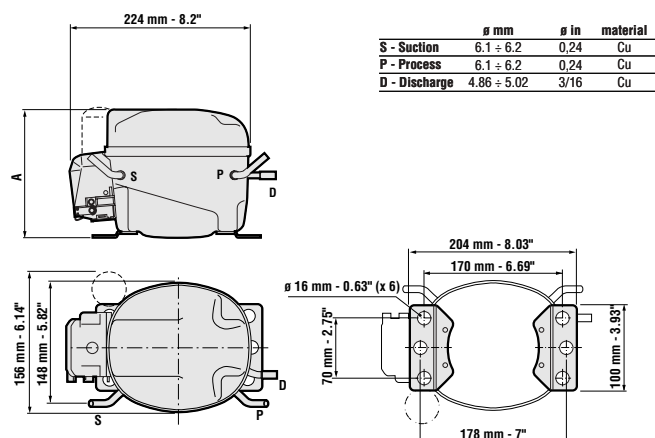
|         | Condensing Temperature | Cooling Capacity / Evaporating Temperature [°C] |      |                    |         |      |          |      |      |               |                | Drawings |      | MODEL    |
|---------|------------------------|-------------------------------------------------|------|--------------------|---------|------|----------|------|------|---------------|----------------|----------|------|----------|
|         |                        | Subcooled conditions [W]                        |      |                    |         |      |          |      |      |               |                |          |      |          |
|         |                        | 0                                               | +5   | Rated Point +7,2°C |         |      |          | +10  | +15  | External View | Wiring Diagram |          |      |          |
| Cooling |                        |                                                 |      | W. input           | Current | EER  |          |      |      |               |                |          |      |          |
| [°C]    |                        |                                                 |      |                    |         | [W]  | [kcal/h] | [W]  | [A]  | [W/W]         | [kcal/hW]      |          |      | ref.     |
|         | 54,4                   | 3049                                            | 3778 | 4126               | 3548    | 1733 | 3,4      | 2,38 | 2,05 | 4583          | 5464           | DWG13    | SM18 | J7231GP  |
|         | 45                     | 3595                                            | 4415 |                    |         |      |          |      |      | 5329          | 6337           |          |      |          |
|         | 54,4                   | 3049                                            | 3778 | 4126               | 3548    | 1733 | 3,4      | 2,38 | 2,05 | 4583          | 5464           | DWG14    | SM18 | NJ7231GP |
|         | 45                     | 3595                                            | 4415 |                    |         |      |          |      |      | 5329          | 6337           |          |      |          |
|         | 54,4                   | 3800                                            | 4708 | 5142               | 4422    | 2160 | 4,0      | 2,38 | 2,05 | 5712          | 6809           | DWG13    | SM18 | J7238GP  |
|         | 45                     | 4480                                            | 5502 |                    |         |      |          |      |      | 6642          | 7897           |          |      |          |
|         | 54,4                   | 3800                                            | 4708 | 5142               | 4422    | 2160 | 4,0      | 2,38 | 2,05 | 5712          | 6809           | DWG14    | SM18 | NJ7238GP |
|         | 45                     | 4480                                            | 5502 |                    |         |      |          |      |      | 6642          | 7897           |          |      |          |
|         | 54,4                   | 4000                                            | 4956 | 5413               | 4655    | 2274 | 4,2      | 2,38 | 2,05 | 6012          | 7167           | DWG13    | SM18 | J7240GP  |
|         | 45                     | 4716                                            | 5793 |                    |         |      |          |      |      | 6992          | 8313           |          |      |          |
|         | 54,4                   | 4000                                            | 4956 | 5413               | 4655    | 2274 | 4,2      | 2,38 | 2,05 | 6012          | 7167           | DWG14    | SM18 | NJ7240GP |
|         | 45                     | 4716                                            | 5793 |                    |         |      |          |      |      | 6992          | 8313           |          |      |          |

| FREQUENCY | APPLICATION | REFRIGERANT |
|-----------|-------------|-------------|
| 60 Hz     | LBP         | R 600a      |

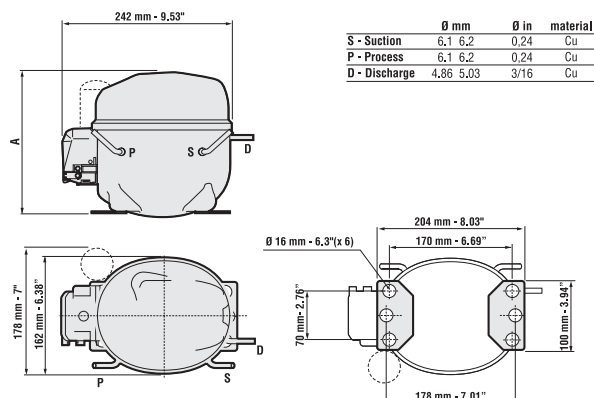
|  | Condensing Temperature | Cooling Capacity / Evaporating Temperature [°C] |            |                     |          |     |     |       |           |            |            |            |            | Drawings      |                | MODEL    |
|--|------------------------|-------------------------------------------------|------------|---------------------|----------|-----|-----|-------|-----------|------------|------------|------------|------------|---------------|----------------|----------|
|  |                        | Subcooled conditions [W]                        |            |                     |          |     |     |       |           |            |            |            |            |               |                |          |
|  |                        | -30                                             | -25        | Rated Point -23.3°C |          |     |     |       |           | -20        | -15        | -10        | -5         | External View | Wiring Diagram |          |
|  | Cooling                |                                                 |            | W. input            | Current  | EER |     |       |           |            |            |            |            |               |                |          |
|  | [°C]                   |                                                 |            | [W]                 | [kcal/h] | [W] | [A] | [W/W] | [kcal/hW] |            |            |            |            | ref.          | ref.           |          |
|  | 54,4<br>45             | 170                                             | 202<br>215 | 220                 | 189      | 172 | 2,7 | 1,29  | 1,11      | 260<br>274 | 330<br>346 | 411<br>432 | 504<br>532 | DWG02         | SM00           | NB1116Y  |
|  | 54,4<br>45             | 113                                             | 137<br>147 | 150                 | 129      | 124 | 1,0 | 1,22  | 1,05      | 179<br>189 | 228<br>239 | 283<br>299 | 345<br>367 | DWG02         | SM00           | NBM1112Y |
|  | 54,4<br>45             | 175                                             | 206<br>220 | 224                 | 193      | 168 | 1,0 | 1,34  | 1,15      | 263<br>281 | 334<br>357 | 418<br>448 | 515<br>555 | DWG02         | SM00           | NBM1116Y |

## EXTERNAL VIEWS

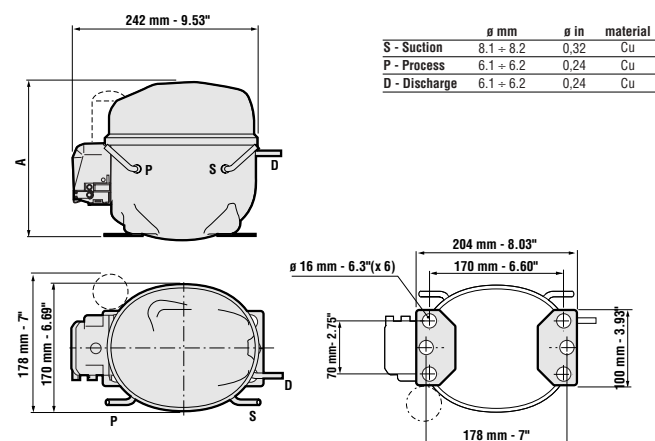
DWG 01 BP SERIES European Base Plate



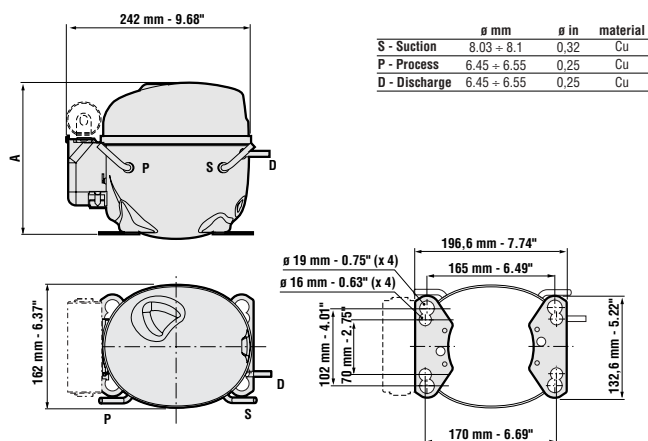
DWG 02 NB/NE SERIES European Base Plate



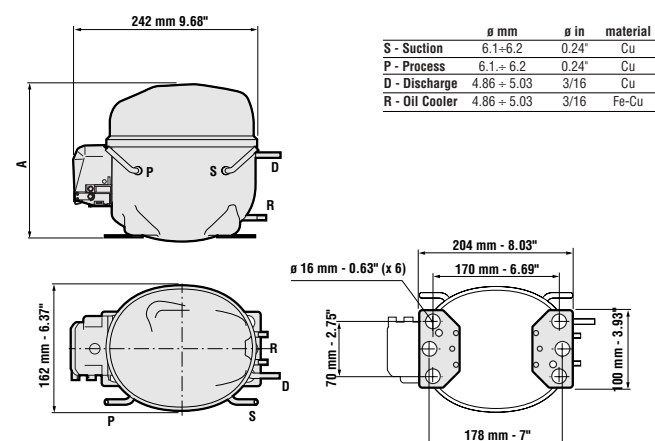
DWG 03 NB/NE SERIES European Base Plate



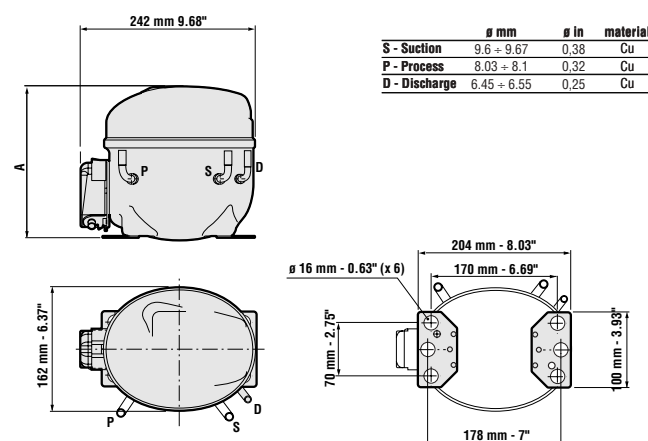
DWG 04 NB/NE SERIES Universal Base Plate



DWG 05 NB/NE SERIES Oil Cooler

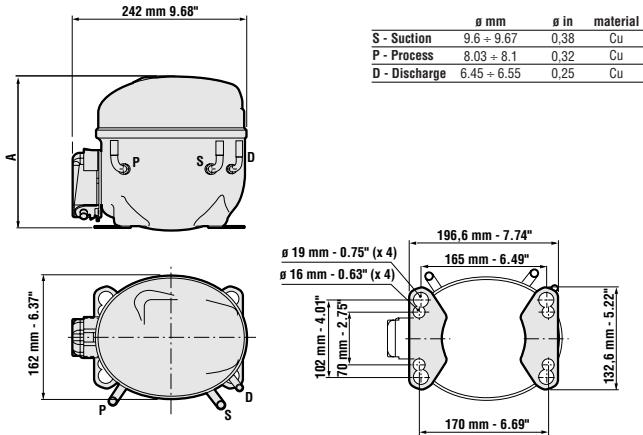


DWG 06 NE SERIES Air Conditioning European Base Plate

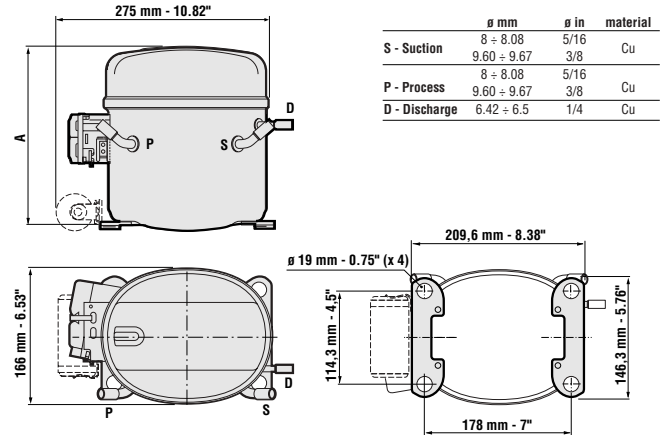




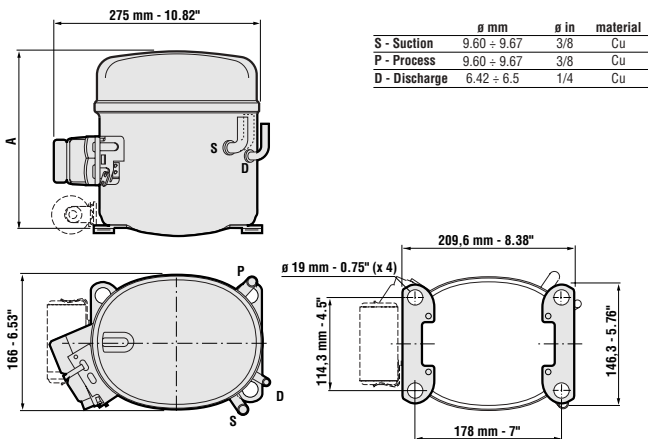
## DWG 07 NE SERIES Air Conditioning Universal Base Plate



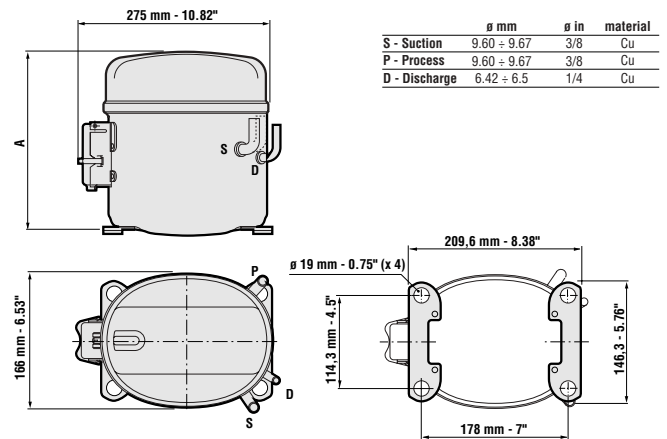
## DWG 08 T SERIES Terminal Board



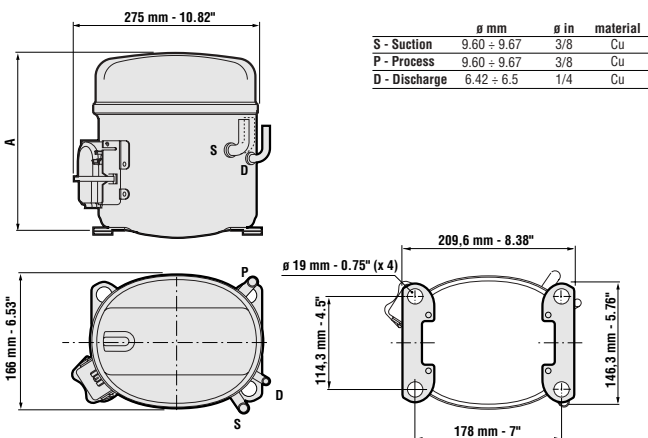
## DWG 09 T SERIES Air Conditioning Terminal Board



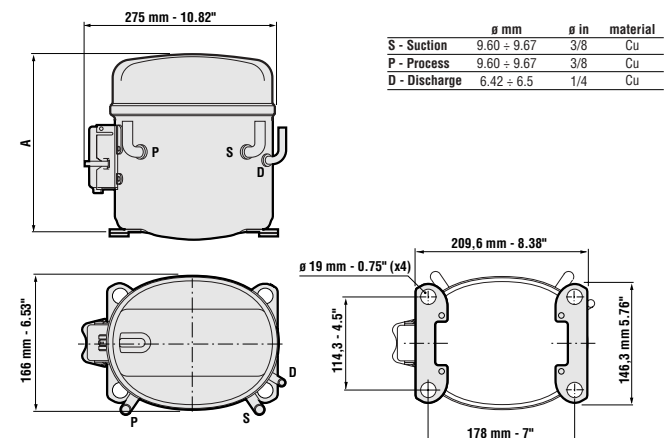
## DWG 10 T SERIES Air Conditioning Standard Cover



## DWG 11 T SERIES Air Conditioning Standard Cover

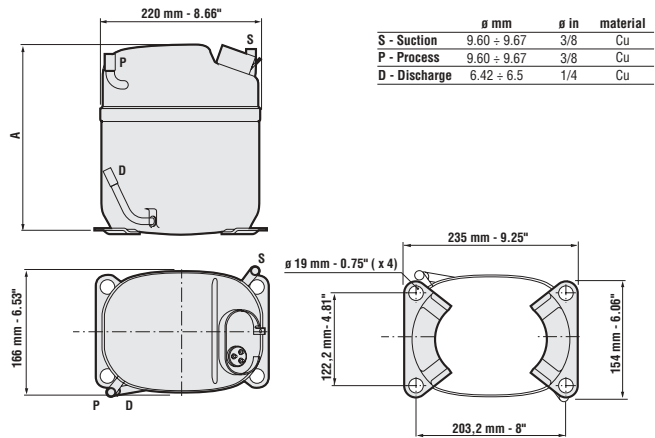


## DWG 12 T SERIES Air Conditioning Standard Cover

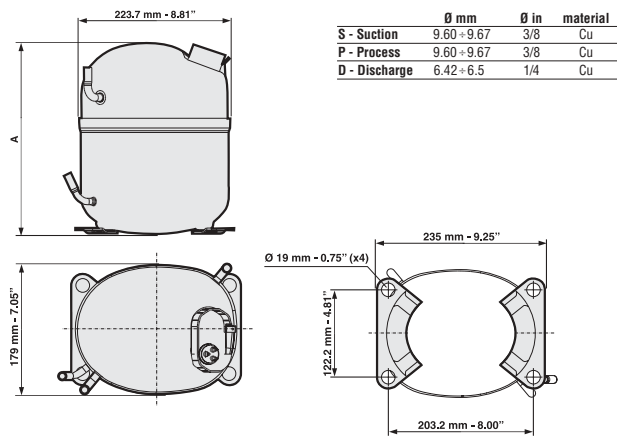


EXTERNAL VIEWS

DWG 13 J SERIES

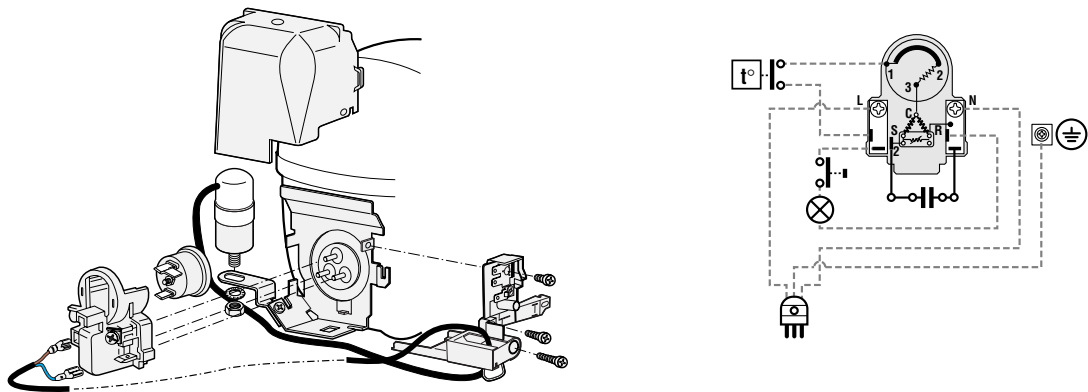


DWG 14 NJ SERIES

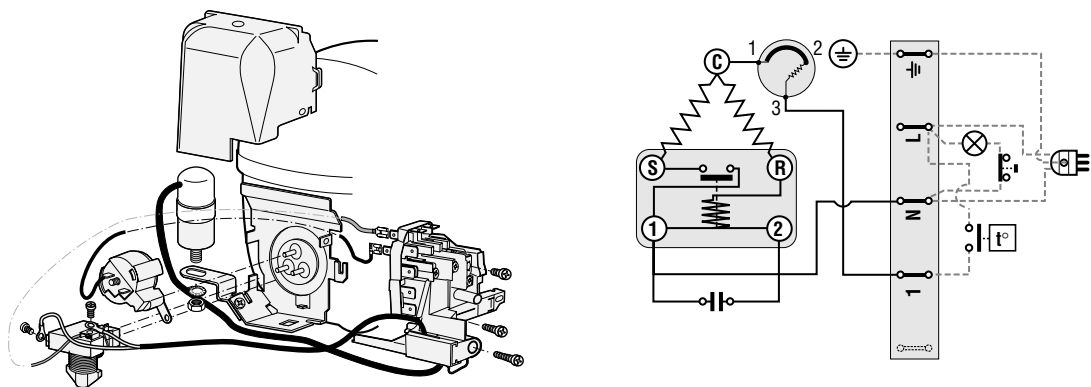


WIRING DIAGRAMS

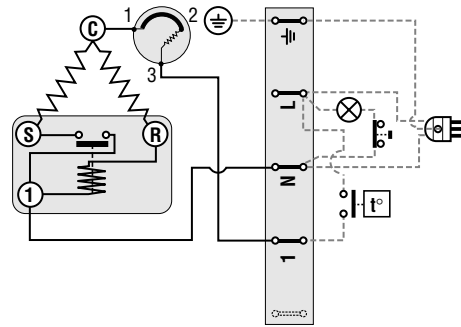
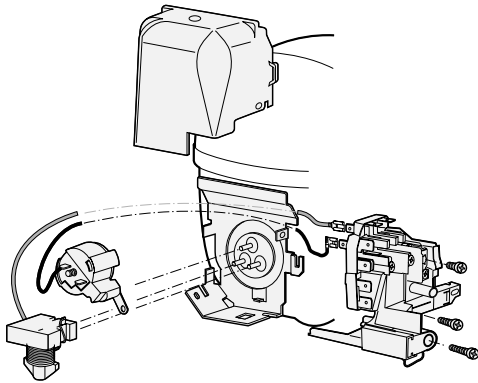
SM 00 EM - BP - NB/NE SERIES RSIR - RSCR PTC Integrated Start Device - European Version



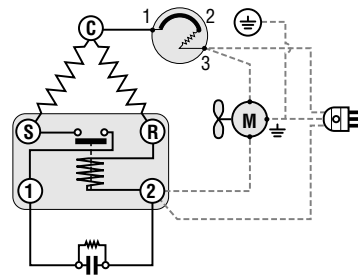
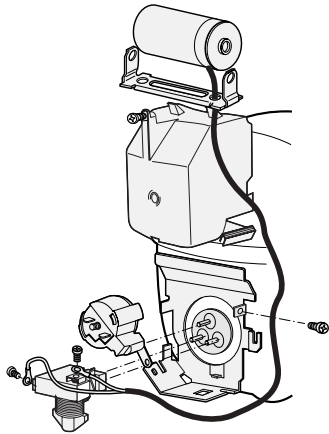
SM 01 EM - BP - NB/NE SERIES RSIR - RSCR PTC Terminal Board & Start Relay



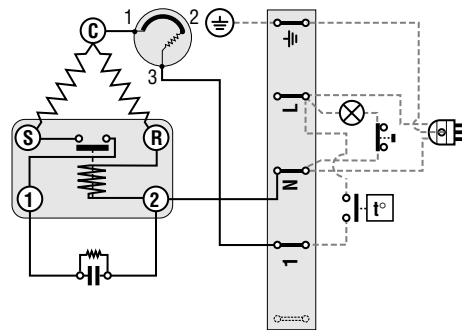
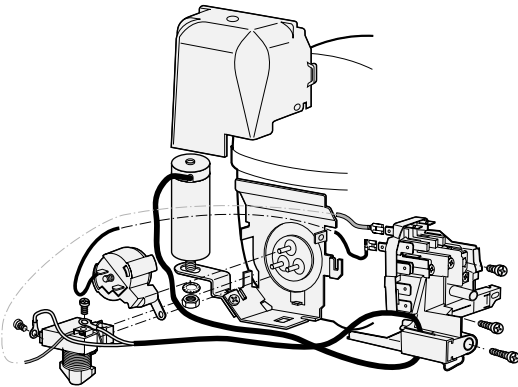
### SM 03 NB/NE SERIES RSIR Terminal Board & Start Device



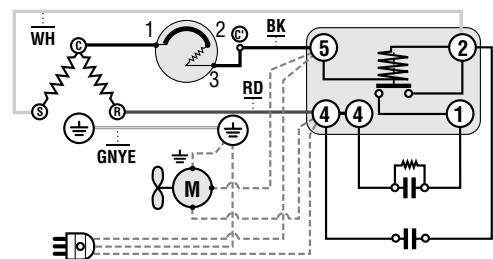
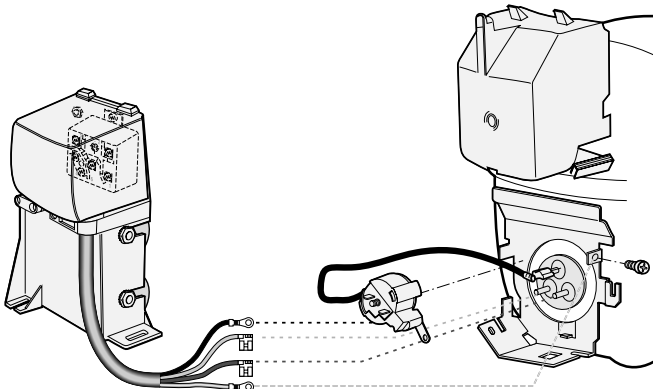
### SM 04 NB/NE SERIES CSIR Cord Anchorage & Start Device - American Version



### SM 05 NB/NE SERIES CSIR Terminal Board & Start Device

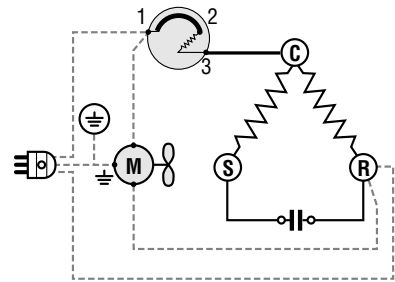
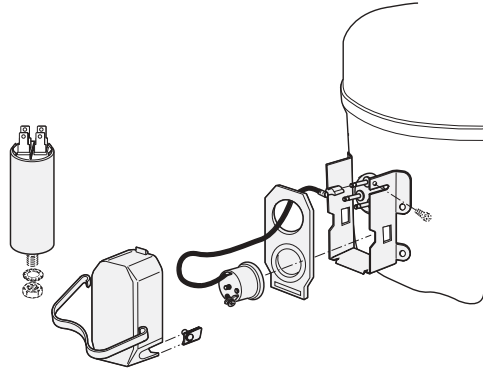


### SM 06 NB/NE SERIES CSR Box

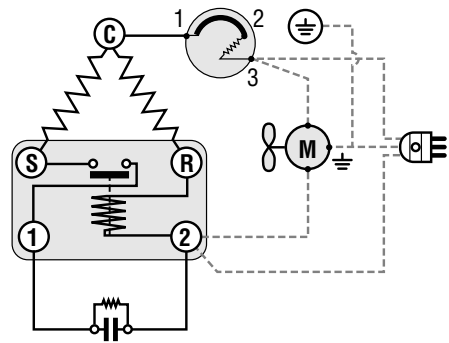
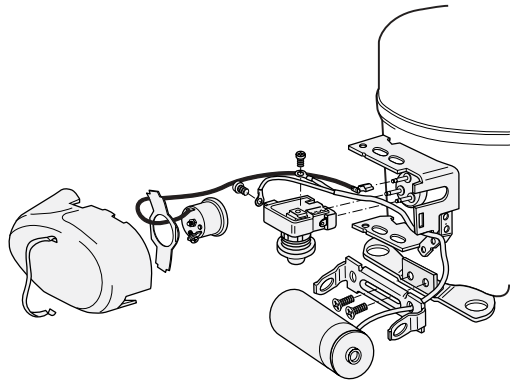


WIRING DIAGRAMS

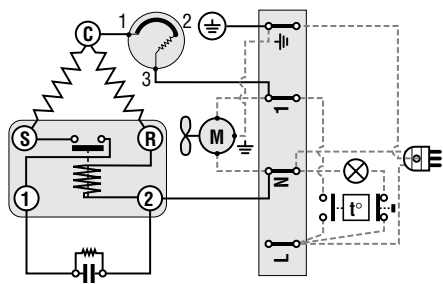
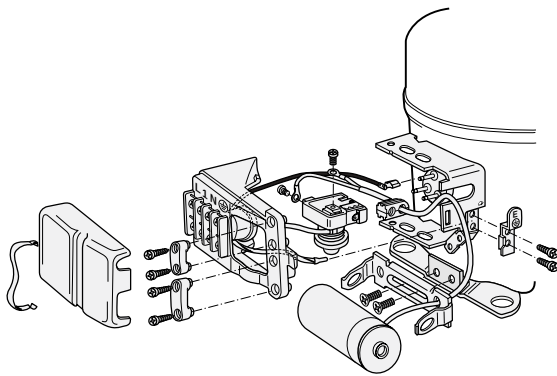
SM 07 NE SERIES PSC



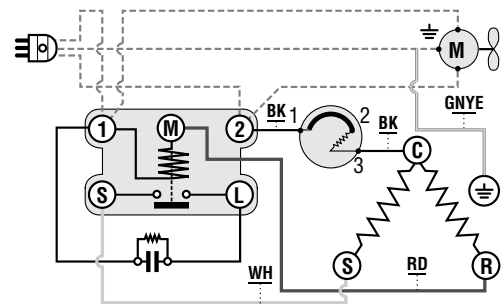
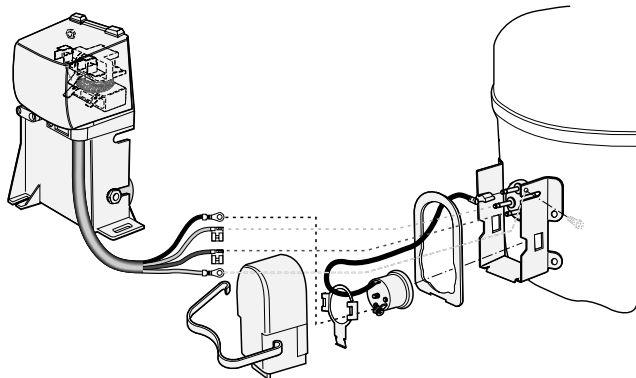
SM 08 T SERIES CSIR Standard Cover



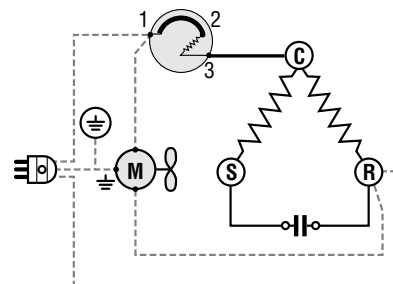
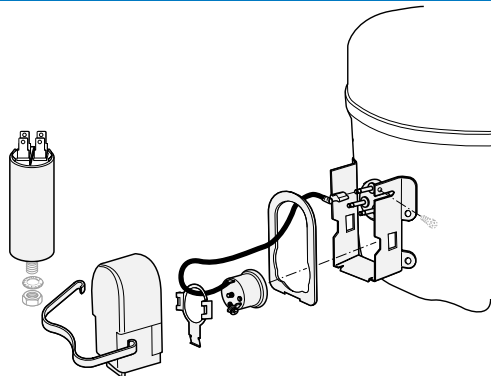
SM 09 T SERIES CSIR Terminal Board



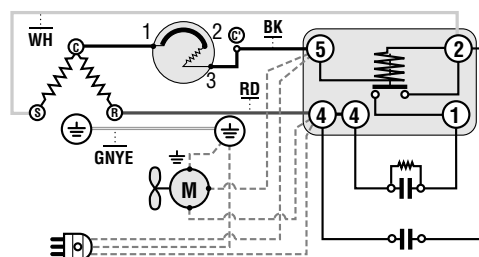
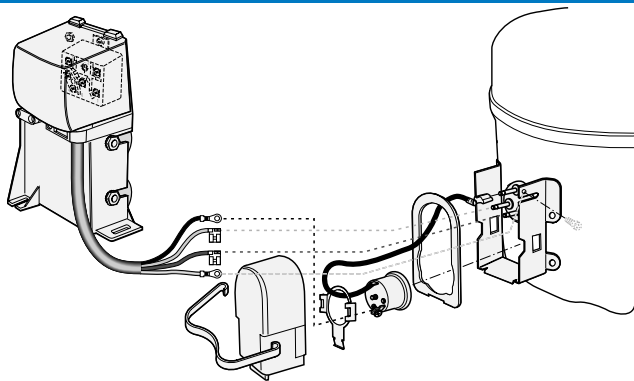
SM 10 T SERIES CSIR Box



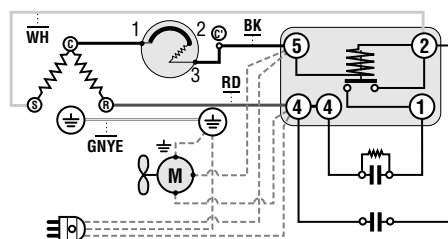
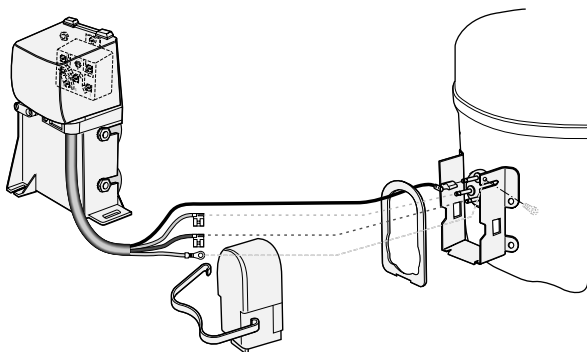
## SM 11 T SERIES PSC



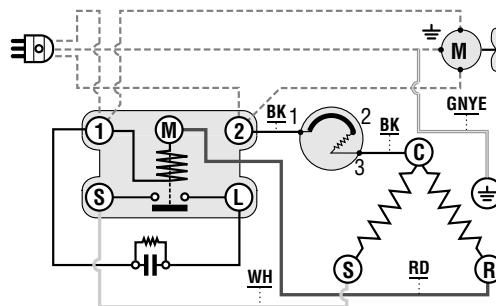
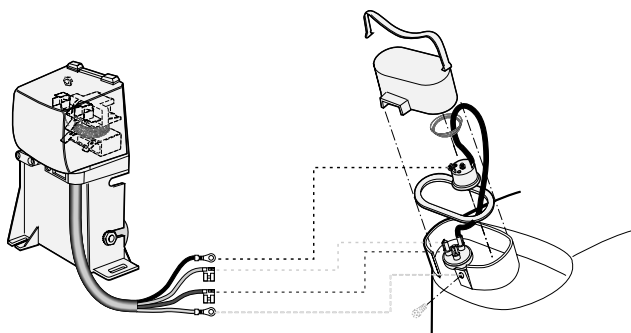
## SM 12 T SERIES CSR Box



## SM 13 T SERIES CSR Box (Internal Overload Protector)

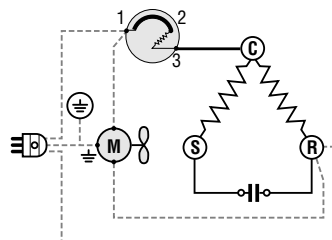
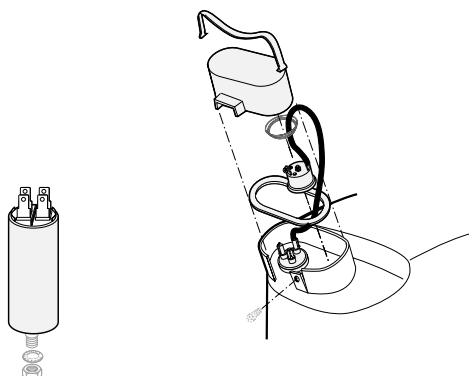


## SM 14 J SERIES CSIR Box

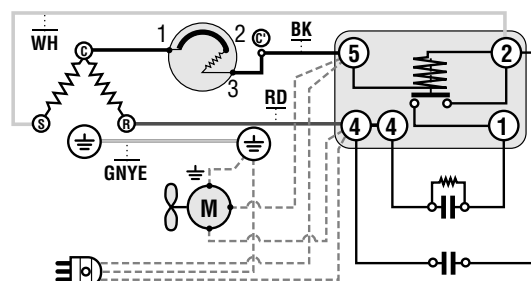
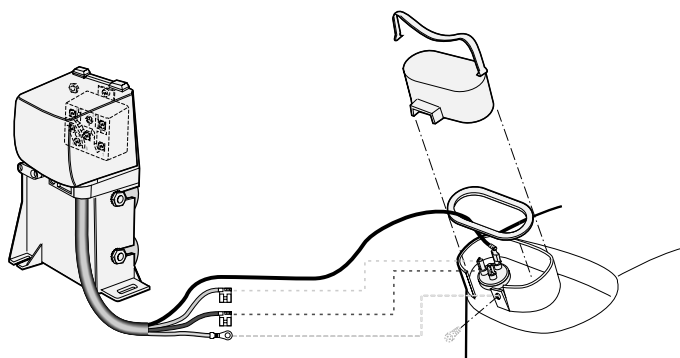


## WIRING DIAGRAMS

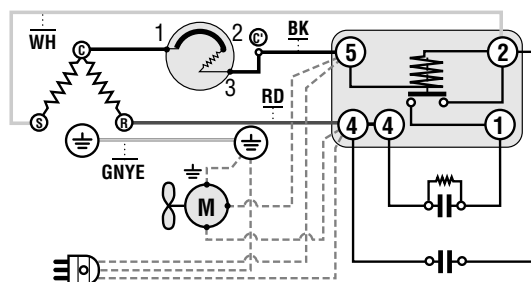
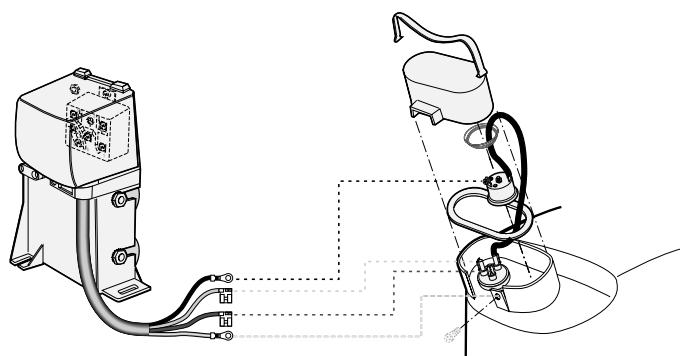
### SM 15 J SERIES PSC



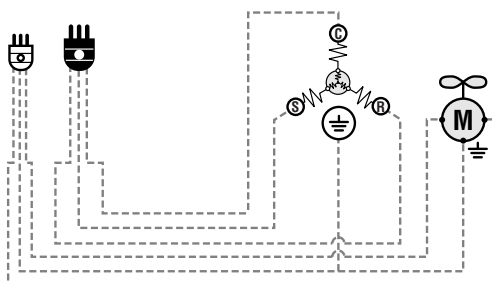
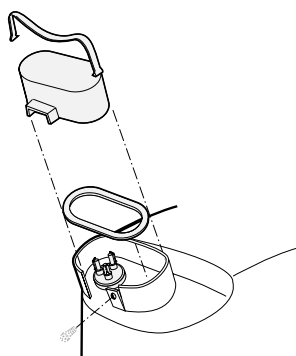
### SM 16 J SERIES CSR Box (Internal Overload Protector)



### SM 17 J SERIES CSR Box

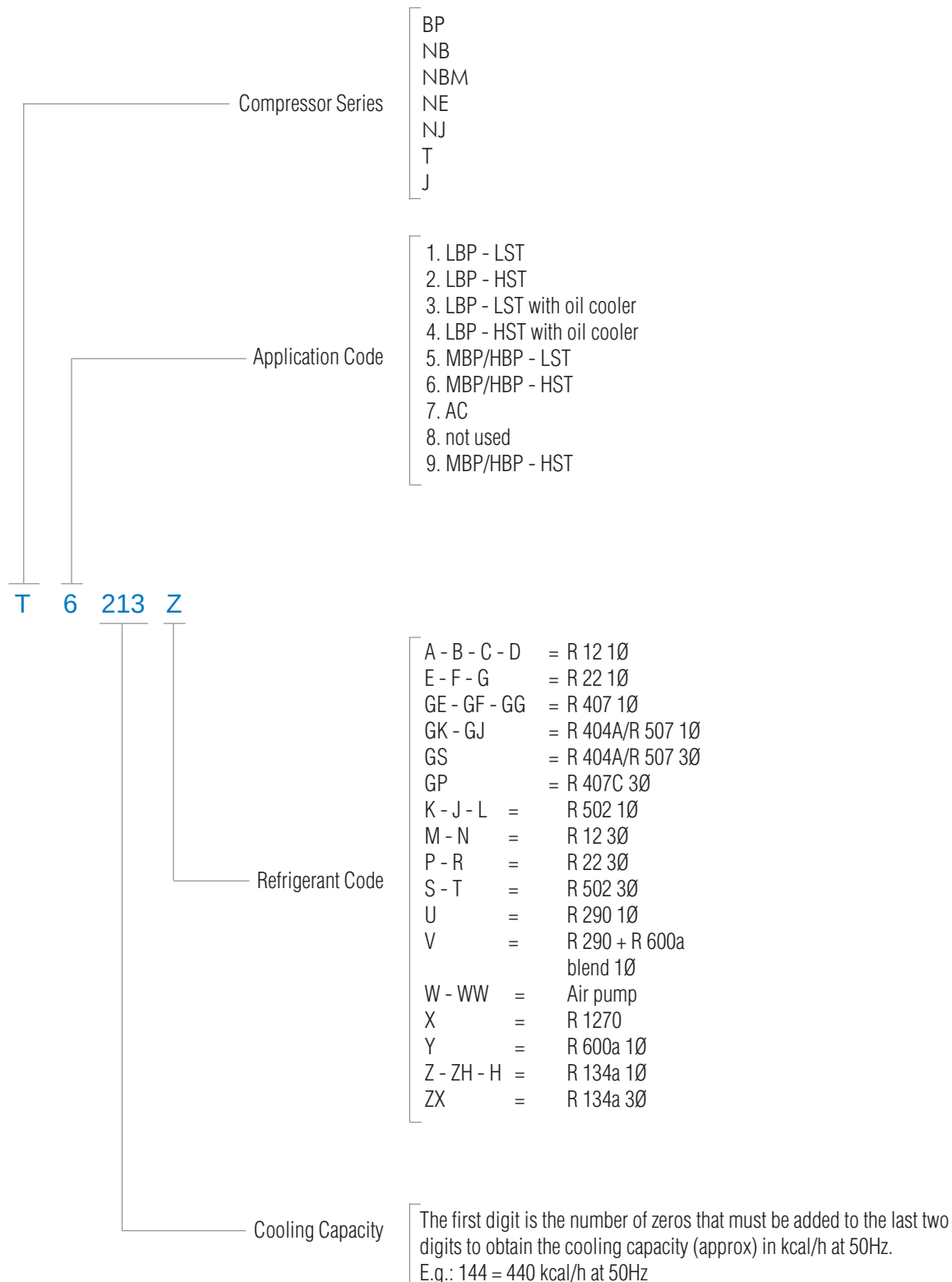


### SM 18 J SERIES 3-Phase



# NOMENCLATURE

## COMPRESSOR MODEL





NOMENCLATURE

BILL OF MATERIAL

Model Code

247A

External Execution Code

02

Supply Code

A

A = 220 - 240V ~ 50Hz 1Ø

C = 220V ~ 50Hz 1Ø

D = 208 - 230V ~ 60Hz / 200V ~ 50Hz 1Ø

G = 115V ~ 60Hz / 100V ~ 50Hz 1Ø

H = 265 - 277V ~ 60Hz 1Ø

I = 200 - 220V ~ 60Hz 1Ø

J = 230V ~ 60Hz / 200V ~ 50Hz1Ø

K = 200 - 220V ~ 50Hz / 230V ~ 60Hz 1Ø

L = 200 - 240V ~ 50Hz / 230V ~ 60Hz 3Ø

M = 380 - 420V ~ 50Hz / 440 - 480V ~ 60Hz 3Ø

N = 200 - 240V ~ 50Hz / 230V ~ 60Hz 1Ø

Q = 100V ~ 50/60Hz 1Ø

T = 220 - 230V ~ 50Hz 1Ø

U = 220V ~ 60Hz 1Ø

V = 230V ~ 50Hz 1Ø

W = 220V ~ 50/60Hz 1Ø

Z = 200 - 230V ~ 60Hz 1Ø



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