

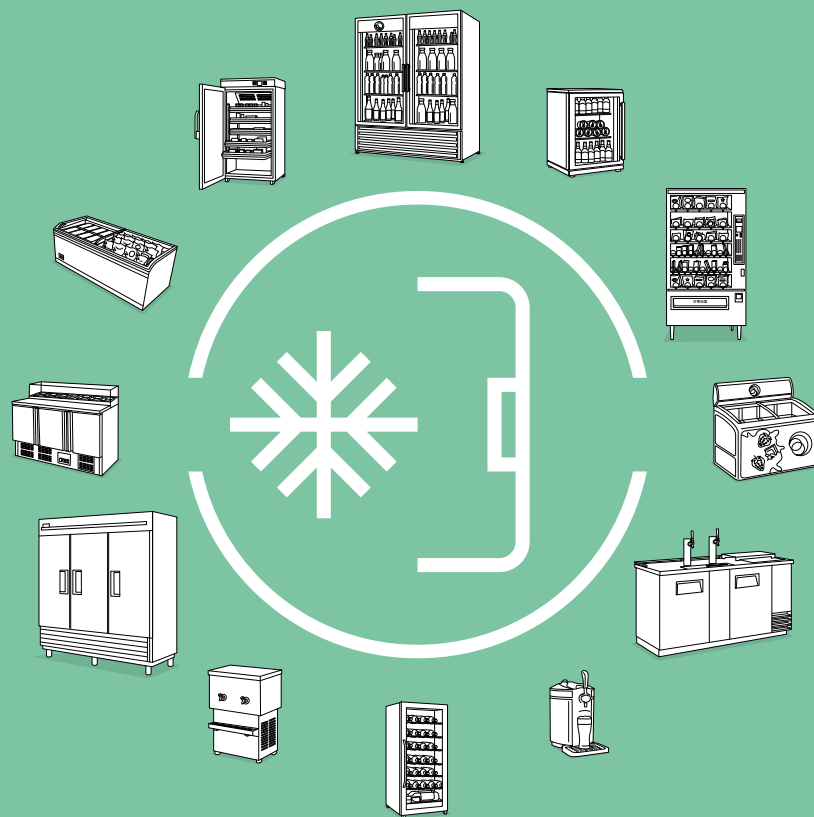
Secop is the first choice for partners looking for leading-edge refrigeration solutions and a premium customer experience.

Secop delivers advanced refrigeration compressors and controls, providing customers tailored sustainable solutions for light commercial, battery-driven, and special cooling applications.

# HERMETIC COMPRESSORS HC REFRIGERANTS

**SECCP**

## R600a | R290



208-230 V · 60 Hz  
220-240 V · 50/60 Hz  
220-240 V · 50 Hz | 200-240 V · 50/60 Hz



Energy  
Optimized



Natural  
Refrigerants



| Compressor  | Code number | Application | ASHRAE Capacity [W]<br>Tc=54.4°C, Tliq=32.2°C, Tsuc=32.2°C<br>Evaporating temperature [°C] |     |     |     |    |    | ASHRAE                               |       |                                     |       |                                    |       | Displacement<br><br>[cm³] | Voltage and frequencies<br>[*dual frequency type with 50/60 Hz] | Compressor cooling<br>[refer to data sheet] |
|-------------|-------------|-------------|--------------------------------------------------------------------------------------------|-----|-----|-----|----|----|--------------------------------------|-------|-------------------------------------|-------|------------------------------------|-------|---------------------------|-----------------------------------------------------------------|---------------------------------------------|
|             |             |             |                                                                                            |     |     |     |    |    | LBP rating point<br>-23.3°C / 54.4°C |       | MBP rating point<br>-6.7°C / 54.4°C |       | HBP rating point<br>7.2°C / 54.4°C |       |                           |                                                                 |                                             |
|             |             |             | -35                                                                                        | -15 | -5  | 0   | 10 | 15 | Cooling capacity                     | COP   | Cooling capacity                    | COP   | Cooling capacity                   | COP   |                           |                                                                 |                                             |
|             |             |             |                                                                                            |     |     |     |    |    | [W]                                  | [W/W] | [W]                                 | [W/W] | [W]                                | [W/W] |                           |                                                                 |                                             |
| PLE35K      | 101H0360    | MBP         | –                                                                                          | 63  | 106 | 133 | –  | –  | 38                                   | 0.91  | 88                                  | 1.56  | –                                  | –     | 2.50                      | 198-254 V, 50 Hz                                                | S                                           |
| TLES4KK.3   | 102H4438    | LBP         | 23                                                                                         | 91  | –   | –   | –  | –  | 57                                   | 1.18  | –                                   | –     | –                                  | –     | 4.01                      | 198-254 V, 50 Hz                                                | S                                           |
| TLES4.8KK.3 | 102H4579    | LBP         | 34                                                                                         | 115 | –   | –   | –  | –  | 74                                   | 1.30  | –                                   | –     | –                                  | –     | 4.78                      | 198-254 V, 50 Hz                                                | S                                           |
| TLES4.8KK.3 | 102H4596    | LBP         | 34                                                                                         | 115 | –   | –   | –  | –  | 74                                   | 1.30  | –                                   | –     | –                                  | –     | 4.78                      | 198-254 V, 50 Hz                                                | S                                           |
| TLES5.7KK.3 | 102H4694    | LBP         | 45                                                                                         | 139 | –   | –   | –  | –  | 91                                   | 1.32  | –                                   | –     | –                                  | –     | 5.70                      | 198-254 V, 50 Hz                                                | S                                           |
| TLES6.5KK.3 | 102H4783    | LBP         | 55                                                                                         | 163 | –   | –   | –  | –  | 108                                  | 1.31  | –                                   | –     | –                                  | –     | 6.49                      | 198-254 V, 50 Hz                                                | S                                           |
| TLES7.5KK.3 | 102H4838    | LBP         | 64                                                                                         | 189 | –   | –   | –  | –  | 125                                  | 1.31  | –                                   | –     | –                                  | –     | 7.48                      | 198-254 V, 50 Hz                                                | S                                           |
| TLES8.7KK.3 | 102H4939    | LBP         | 75                                                                                         | 221 | –   | –   | –  | –  | 147                                  | 1.33  | –                                   | –     | –                                  | –     | 8.67                      | 198-254 V, 50 Hz                                                | S                                           |
| TLES5KTK    | 102H4536    | LBP         | 34                                                                                         | 121 | 194 | 240 | –  | –  | 77                                   | 1.22  | 162                                 | 1.78  | –                                  | –     | 5.08                      | 187-254 V, 50 Hz                                                | S                                           |
| TLES6KTK    | 102H4636    | LBP         | 38                                                                                         | 136 | –   | –   | –  | –  | 89                                   | 1.23  | –                                   | –     | –                                  | –     | 5.70                      | 187-254 V, 50 Hz                                                | S                                           |
| NLE11KK.4   | 105H6952    | LBP         | 100                                                                                        | 283 | –   | –   | –  | –  | 190                                  | 1.56  | –                                   | –     | –                                  | –     | 11.15                     | 198-254 V, 50 Hz                                                | S                                           |
| NLE13KK.4   | 105H6939    | LBP         | 121                                                                                        | 334 | –   | –   | –  | –  | 226                                  | 1.56  | –                                   | –     | –                                  | –     | 13.25                     | 198-254 V, 50 Hz                                                | S                                           |
| NLE9KTK     | 105H6071    | LBP         | 66                                                                                         | 202 | –   | –   | –  | –  | 131                                  | 1.33  | –                                   | –     | –                                  | –     | 8.35                      | 187-254 V, 50 Hz *                                              | S                                           |
| NLE15KTK.2  | 105H6966    | LBP         | 129                                                                                        | 383 | –   | –   | –  | –  | 254                                  | 1.52  | –                                   | –     | –                                  | –     | 14.65                     | 187-254 V, 50 Hz                                                | S                                           |
| NLX10KK.2   | 105H6101    | LBP         |                                                                                            |     |     |     |    |    |                                      |       |                                     |       |                                    |       | 10.09                     | 198-254 V, 50 Hz                                                | S                                           |
| NLX13KK.3   | 105H6306    | LBP         |                                                                                            |     |     |     |    |    |                                      |       |                                     |       |                                    |       | 13.25                     | 198-254 V, 50 Hz                                                | S                                           |
| NLX15KK.2   | 105H6977    | LBP         | 135                                                                                        | 377 | –   | –   | –  | –  | 255                                  | 1.87  | –                                   | –     | –                                  | –     | 14.65                     | 198-254 V, 50 Hz                                                | S                                           |
| NLX15KK.3   | 105H6506    | LBP         | 132                                                                                        | 388 | –   | –   | –  | –  | 254                                  | 1.85  | –                                   | –     | –                                  | –     | 14.65                     | 198-254 V, 50 Hz                                                | S                                           |
| NLU10KK.1   | 105H6193    | LBP         | 86                                                                                         | 267 | –   | –   | –  | –  | 176                                  | 1.98  | –                                   | –     | –                                  | –     | 10.09                     | 198-254 V, 50 Hz                                                | S                                           |
| NLU11KK.1   | 105H6198    | LBP         | 99                                                                                         | 301 | –   | –   | –  | –  | 200                                  | 1.97  | –                                   | –     | –                                  | –     | 11.15                     | 198-254 V, 50 Hz                                                | S                                           |
| NLU13KK.1   | 105H6372    | LBP         | 114                                                                                        | 348 | –   | –   | –  | –  | 230                                  | 1.98  | –                                   | –     | –                                  | –     | 13.25                     | 198-254 V, 50 Hz                                                | S                                           |

**Note:** T-Series compressors will be phased out in 2025

| Dimensions     |     |                                  |          |            |                           |  | LST (RSIR & RSCR)<br>refer to data sheet for more info |          |                                          |          |          | Run capacitor (RC)          |            | HST (CSIR & CSCR)<br>*alt. cable lengths avail. |                    |                  | LST/HST     |          |
|----------------|-----|----------------------------------|----------|------------|---------------------------|--|--------------------------------------------------------|----------|------------------------------------------|----------|----------|-----------------------------|------------|-------------------------------------------------|--------------------|------------------|-------------|----------|
| Height<br>[mm] |     | Connectors location/I.D.<br>[mm] |          |            |                           |  | PTC starting device                                    |          | PTC starting device<br>with RC connector |          | ePTC     | → optional<br>→ compulsory* |            | Starting relay                                  | Starting capacitor | Starting device* | Cord relief | Cover    |
| A              | B   | Suction                          | Process  | Dis-charge | alt. connectors available |  | Spades                                                 |          | Spades                                   |          | Spades   | Spades                      |            | Spades                                          |                    | Spades           |             |          |
|                |     | C (I.D.)                         | D (I.D.) | E (I.D.)   |                           |  | 6.3 mm                                                 | 4.8 mm   | 6.3 mm                                   | 4.8 mm   | 4.8 mm   | 6.3 mm                      | 4.8 mm     | 6.3 mm                                          | 6.3 mm             | 6.3 mm           |             |          |
| 137            | 135 | 6.2                              | 6.2      | 5          | –                         |  | –                                                      | –        | 103N0016                                 | 103N0021 | –        | 117-7117 *                  | 117-7119 * | –                                               | –                  | –                | 103N1010    | 103N0491 |
| 163            | 159 | 6.2                              | 6.2      | 5          | X                         |  | 103N0011                                               | 103N0018 | 103N0016                                 | 103N0021 | 103N0050 | 117-7117                    | 117-7119   | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 163            | 159 | 6.2                              | 6.2      | 5          | X                         |  | 103N0011                                               | 103N0018 | 103N0016                                 | 103N0021 | 103N0050 | 117-7117                    | 117-7119   | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 163            | 159 | 6.2                              | 4.5      | 5          | X                         |  | 103N0011                                               | 103N0018 | 103N0016                                 | 103N0021 | 103N0050 | 117-7117                    | 117-7119   | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 163            | 159 | 6.2                              | 6.2      | 5          | X                         |  | 103N0011                                               | 103N0018 | 103N0016                                 | 103N0021 | 103N0050 | 117-7117                    | 117-7119   | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 163            | 159 | 6.2                              | 6.2      | 5          | X                         |  | 103N0011                                               | 103N0018 | 103N0016                                 | 103N0021 | 103N0050 | 117-7117                    | 117-7119   | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 163            | 159 | 6.2                              | 6.2      | 5          | X                         |  | 103N0011                                               | 103N0018 | 103N0016                                 | 103N0021 | 103N0050 | 117-7131                    | 117-7132   | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 163            | 159 | 6.2                              | 6.2      | 5          | X                         |  | 103N0011                                               | 103N0018 | 103N0016                                 | 103N0021 | 103N0050 | 117-7117                    | 117-7119   | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 173            | 169 | 6.2                              | 6.2      | 5          | –                         |  | 103N0011                                               | 103N0018 | 103N0016                                 | 103N0021 | 103N0050 | 117-7117                    | 117-7119   | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 173            | 169 | 6.2                              | 6.2      | 5          | –                         |  | 103N0011                                               | 103N0018 | 103N0016                                 | 103N0021 | 103N0050 | 117-7117                    | 117-7119   | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 190            | 183 | 6.2                              | 6.2      | 5          | –                         |  | 103N0011                                               | 103N0018 | 103N0016                                 | 103N0021 | 103N0050 | 117-7117                    | 117-7119   | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 190            | 183 | 6.2                              | 6.2      | 5          | X                         |  | 103N0011                                               | 103N0018 | 103N0016                                 | 103N0021 | 103N0050 | 117-7117                    | 117-7119   | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 197            | 190 | 6.2                              | 6.2      | 5          | X                         |  | 103N0011                                               | 103N0018 | 103N0016                                 | 103N0021 | –        | 117-7117                    | 117-7119   | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 203            | 197 | 6.2                              | 6.2      | 5          | –                         |  | 103N0011                                               | 103N0018 | 103N0016                                 | 103N0021 | –        | 117-7117                    | 117-7119   | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 203            | 197 | 6.2                              | 6.2      | 5          | –                         |  | –                                                      | –        | 103N0016                                 | 103N0021 | 103N0050 | 117-7131 *                  | 117-7132 * | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 203            | 197 | 6.2                              | 6.2      | 5          | –                         |  | –                                                      | –        | 103N0016                                 | 103N0021 | 103N0050 | 117-7117 *                  | 117-7119 * | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 203            | 197 | 8.2                              | 6.2      | 6.2        | X                         |  | –                                                      | –        | 103N0016                                 | 103N0021 | 103N0050 | 117-7117 *                  | 117-7119 * | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 203            | 197 | 6.2                              | 6.2      | 5          |                           |  | –                                                      | –        | –                                        | 103N0021 | 103N0050 | –                           | 117-7140 * | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 203            | 197 | 6.2                              | 6.2      | 5          | X                         |  | –                                                      | –        | –                                        | 103N0021 | 103N0055 | –                           | 117-7139 * | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 203            | 197 | 6.2                              | 6.2      | 5          | X                         |  | –                                                      | –        | –                                        | 103N0021 | 103N0055 | –                           | 117-7139 * | –                                               | –                  | –                | 103N1010    | 103N2010 |
| 203            | 197 | 6.2                              | 6.2      | 5          | –                         |  | –                                                      | –        | –                                        | 103N0021 | 103N0055 | 117-7131 *                  | 117-7132 * | –                                               | –                  | –                | 103N1010    | 103N2010 |



K-Series AA · R600a · 220-240 V · 50 Hz

| Compressor | Code number | Application | ASHRAE Capacity [W]<br>Tc=54.4°C, Tliq=32.2°C, Tsuc=32.2°C<br>Evaporating temperature [°C] |     |     |   |    |    | ASHRAE                               |       |                                     |       |                                    |       | Displacement | Voltage and frequencies<br>[*dual frequency type with 50/60 Hz] | Compressor cooling<br>cooling<br>(refer to data sheet) |
|------------|-------------|-------------|--------------------------------------------------------------------------------------------|-----|-----|---|----|----|--------------------------------------|-------|-------------------------------------|-------|------------------------------------|-------|--------------|-----------------------------------------------------------------|--------------------------------------------------------|
|            |             |             |                                                                                            |     |     |   |    |    | LBP rating point<br>-23.3°C / 54.4°C |       | MBP rating point<br>-6.7°C / 54.4°C |       | HBP rating point<br>7.2°C / 54.4°C |       |              |                                                                 |                                                        |
|            |             |             | -35                                                                                        | -15 | -5  | 0 | 10 | 15 | Cooling capacity                     | COP   | Cooling capacity                    | COP   | Cooling capacity                   | COP   |              |                                                                 |                                                        |
|            |             |             |                                                                                            |     |     |   |    |    | [W]                                  | [W/W] | [W]                                 | [W/W] | [W]                                | [W/W] |              |                                                                 |                                                        |
| HKK55AA    | CDO00039    | LBP         | 39                                                                                         | 145 | 224 | - | -  | -  | 93                                   | 1.71  | 188                                 | 2.29  | -                                  | -     | 5.60         | 187-264 V, 50 Hz                                                | S                                                      |
| HKK70AA    | CDO00040    | LBP         | 54                                                                                         | 180 | 276 | - | -  | -  | 117                                  | 1.74  | 233                                 | 2.26  | -                                  | -     | 6.60         | 187-264 V, 50 Hz                                                | S                                                      |
| HKK80AA    | CDO00041    | LBP         | 67                                                                                         | 207 | 316 | - | -  | -  | 136                                  | 1.77  | 266                                 | 2.29  | -                                  | -     | 8.10         | 187-264 V, 50 Hz                                                | S                                                      |
| HKK95AA    | CDO00042    | LBP         | 84                                                                                         | 251 | 376 | - | -  | -  | 168                                  | 1.80  | 318                                 | 2.28  | -                                  | -     | 9.60         | 187-264 V, 50 Hz                                                | S                                                      |
| HKK12AA    | CDO00043    | LBP         | 100                                                                                        | 291 | 428 | - | -  | -  | 199                                  | 1.80  | 363                                 | 2.25  | -                                  | -     | 11.20        | 187-264 V, 50 Hz                                                | S                                                      |
| HMK80AA    | CDO00165    | LBP         | 67                                                                                         | 206 | 314 | - | -  | -  | 136                                  | 1.50  | 265                                 | 1.99  | -                                  | -     | 8.10         | 187-264 V, 50 Hz                                                | S                                                      |
| HMK95AA    | CDO00164    | LBP         | 81                                                                                         | 252 | 381 | - | -  | -  | 167                                  | 1.53  | 322                                 | 2.01  | -                                  | -     | 9.60         | 187-264 V, 50 Hz                                                | S                                                      |
| HMK12AA    | CDO00163    | LBP         | 99                                                                                         | 291 | 425 | - | -  | -  | 198                                  | 1.53  | 361                                 | 1.93  | -                                  | -     | 11.20        | 187-264 V, 50 Hz                                                | S                                                      |
| HTK55AA    | CDO00034    | LBP         | 39                                                                                         | 146 | 225 | - | -  | -  | 93                                   | 1.55  | 190                                 | 2.12  | -                                  | -     | 5.60         | 187-264 V, 50 Hz                                                | S                                                      |
| HTK70AA    | CDO00035    | LBP         | 53                                                                                         | 181 | 267 | - | -  | -  | 117                                  | 1.61  | 227                                 | 2.29  | -                                  | -     | 6.60         | 187-264 V, 50 Hz                                                | S                                                      |
| HTK80AA    | CDO00036    | LBP         | 67                                                                                         | 207 | 316 | - | -  | -  | 136                                  | 1.61  | 266                                 | 2.19  | -                                  | -     | 8.10         | 187-264 V, 50 Hz                                                | S                                                      |
| HTK95AA    | CDO00037    | LBP         | 86                                                                                         | 251 | 382 | - | -  | -  | 167                                  | 1.64  | 322                                 | 2.14  | -                                  | -     | 9.60         | 187-264 V, 50 Hz                                                | S                                                      |
| HTK12AA    | CDO00038    | LBP         | 99                                                                                         | 290 | 426 | - | -  | -  | 198                                  | 1.64  | 361                                 | 2.06  | -                                  | -     | 11.20        | 187-264 V, 50 Hz                                                | S                                                      |
| HXK55AA    | CDO00045    | LBP         | 44                                                                                         | 148 | 224 | - | -  | -  | 97                                   | 1.83  | 189                                 | 2.32  | -                                  | -     | 5.60         | 187-264 V, 50 Hz                                                | S                                                      |
| HXK70AA    | CDO00110    | LBP         | 57                                                                                         | 181 | 277 | - | -  | -  | 118                                  | 1.86  | 233                                 | 2.35  | -                                  | -     | 6.64         | 187-264 V, 50 Hz                                                | S                                                      |
| HXK80AA    | CDO00096    | LBP         | 71                                                                                         | 210 | 316 | - | -  | -  | 140                                  | 1.90  | 267                                 | 2.38  | -                                  | -     | 8.10         | 187-264 V, 50 Hz                                                | S                                                      |
| HXK87AA    | CDO00103    | LBP         | 79                                                                                         | 230 | 349 | - | -  | -  | 154                                  | 1.90  | 294                                 | 2.52  | -                                  | -     | 8.80         | 187-264 V, 50 Hz                                                | S                                                      |
| HXK95AA    | CDO00085    | LBP         | 89                                                                                         | 254 | 380 | - | -  | -  | 171                                  | 1.91  | 321                                 | 2.39  | -                                  | -     | 9.60         | 187-264 V, 50 Hz                                                | S                                                      |
| HXK12AA    | CDO00095    | LBP         | 100                                                                                        | 295 | 434 | - | -  | -  | 200                                  | 1.90  | 368                                 | 2.37  | -                                  | -     | 11.10        | 187-264 V, 50 Hz                                                | S                                                      |
| HZK80AA    | CDO00094    | LBP         | 71                                                                                         | 210 | 316 | - | -  | -  | 140                                  | 1.97  | 267                                 | 2.48  | -                                  | -     | 8.10         | 187-264 V, 50 Hz                                                | S                                                      |
| HZK95AA    | CDO00078    | LBP         | 85                                                                                         | 254 | 376 | - | -  | -  | 171                                  | 1.99  | 319                                 | 2.54  | -                                  | -     | 9.60         | 187-264 V, 50 Hz                                                | S                                                      |
| HZK12AA    | CDO00077    | LBP         | 102                                                                                        | 293 | 430 | - | -  | -  | 200                                  | 1.98  | 365                                 | 2.50  | -                                  | -     | 11.10        | 187-264 V, 50 Hz                                                | S                                                      |

Electrical Equipment · Spare Parts · Accessories

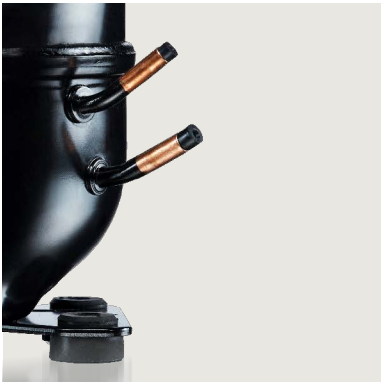
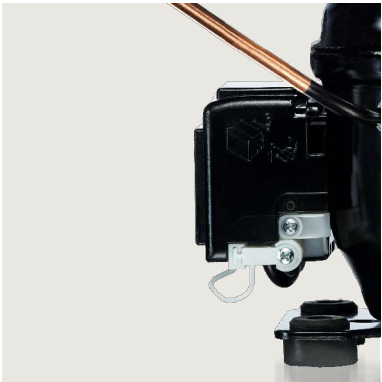
| Dimensions  |   |                          |                     |                        |                           | Run capacitor               | Terminal board                |        | Terminal board                 | Cable clamp         | Cover                       | Evaporation tray | All-in-one equipment                                  |
|-------------|---|--------------------------|---------------------|------------------------|---------------------------|-----------------------------|-------------------------------|--------|--------------------------------|---------------------|-----------------------------|------------------|-------------------------------------------------------|
| Height [mm] |   | Connectors location [mm] |                     |                        | alt. connectors available | → optional<br>→ compulsory* | → PTC<br>→ external protector |        | → ePTC<br>→ external protector | screws not included | V0<br><br>material optional | plastic          | → cover<br>→ cable clamp + screws<br>→ earthing screw |
| A           | B | Suction<br>C [I.D.]      | Process<br>D [O.D.] | Dis-charge<br>E [I.D.] |                           | Spades                      | Spades                        |        | Spades                         |                     |                             |                  |                                                       |
|             |   |                          |                     |                        |                           | 4.8   6.3 mm                | 4.8 mm                        | 6.3 mm | 4.8 mm                         |                     |                             |                  |                                                       |
|             |   |                          |                     |                        |                           |                             |                               |        |                                |                     |                             |                  |                                                       |
| 159         | - | 6.15                     | 6.00                | 5.15                   | X                         | 2.5 µF *                    | ZHFF                          | DHFF   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 159         | - | 6.15                     | 6.00                | 5.15                   | X                         | 3 µF *                      | ZHF6                          | DHF6   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 159         | - | 6.15                     | 6.00                | 5.15                   | X                         | 3 µF *                      | ZHF4                          | DHF4   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 167         | - | 6.15                     | 6.00                | 5.15                   | X                         | 4 µF *                      | ZAFC                          | DAFC   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 167         | - | 6.15                     | 6.00                | 5.15                   | X                         | 4 µF *                      | ZAFP                          | DAFP   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 159         | - | 6.15                     | 6.00                | 5.15                   | X                         | -                           | ZAF5                          | DAF5   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 159         | - | 6.15                     | 6.00                | 5.15                   | X                         | -                           | ZAF5                          | DAF5   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 167         | - | 6.15                     | 6.00                | 5.15                   | X                         | -                           | ZAFP                          | DAFP   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 159         | - | 6.15                     | 6.00                | 5.15                   | X                         | 2 µF                        | ZHF0                          | DHF0   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 159         | - | 6.15                     | 6.00                | 5.15                   | X                         | 3 µF                        | ZAF7                          | DAF7   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 159         | - | 6.15                     | 6.00                | 5.15                   | X                         | 3 µF                        | ZAFC                          | DAFC   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 167         | - | 6.15                     | 6.00                | 5.15                   | X                         | 4 µF                        | ZAFC                          | DAFC   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 167         | - | 6.15                     | 6.00                | 5.15                   | X                         | 4 µF                        | ZAF9                          | DAF9   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 159         | - | 6.15                     | 6.00                | 5.15                   | X                         | 3 µF *                      | ZAF6                          | DAF6   | ZXF6                           | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 167         | - | 6.15                     | 6.00                | 5.15                   | X                         | 3 µF *                      | ZAF6                          | DAF6   | ZXF6                           | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 167         | - | 6.15                     | 6.00                | 5.15                   | X                         | 3 µF *                      | ZAF4                          | DAF4   | ZXF4                           | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 167         | - | 6.15                     | 6.00                | 5.15                   | X                         | 4 µF *                      | ZAF5                          | DAF5   | ZXF5                           | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 167         | - | 6.15                     | 6.00                | 5.15                   | X                         | 4 µF *                      | ZAF5                          | DAF5   | ZXF5                           | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 167         | - | 6.15                     | 6.00                | 5.15                   | X                         | 4 µF *                      | ZAFP                          | DAFP   | ZXFP                           | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 167         | - | 6.15                     | 6.00                | 5.15                   | X                         | 3 µF *                      | -                             | -      | ZXF4                           | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 170         | - | 6.15                     | 6.00                | 5.15                   | X                         | 4 µF *                      | -                             | -      | ZXF5                           | 113410_             | 196364_                     | 162991_          | 161680_                                               |
| 170         | - | 6.15                     | 6.00                | 5.15                   | X                         | 4 µF *                      | -                             | -      | ZXFP                           | 113410_             | 196364_                     | 162991_          | 161680_                                               |

K-Series AT · R600a · 200-240 V · 50/60 Hz

| Compressor | Code number | Application | ASHRAE Capacity [W]<br>Tc=54.4°C, Tliq=32.2°C, Tsuc=32.2°C<br>Evaporating temperature [°C] |     |    |   |    |    | ASHRAE                               |       |                                     |       |                                    |       | Displacement | Voltage and frequencies<br>(*dual frequency type with 50/60 Hz) | Compressor cooling<br>(refer to data sheet) |
|------------|-------------|-------------|--------------------------------------------------------------------------------------------|-----|----|---|----|----|--------------------------------------|-------|-------------------------------------|-------|------------------------------------|-------|--------------|-----------------------------------------------------------------|---------------------------------------------|
|            |             |             |                                                                                            |     |    |   |    |    | LBP rating point<br>-23.3°C / 54.4°C |       | MBP rating point<br>-6.7°C / 54.4°C |       | HBP rating point<br>7.2°C / 54.4°C |       |              |                                                                 |                                             |
|            |             |             | -35                                                                                        | -15 | -5 | 0 | 10 | 15 | Cooling capacity                     | COP   | Cooling capacity                    | COP   | Cooling capacity                   | COP   |              |                                                                 |                                             |
|            |             |             |                                                                                            |     |    |   |    |    | [W]                                  | [W/W] | [W]                                 | [W/W] | [W]                                | [W/W] |              |                                                                 |                                             |
| HXK70AT    | CDO00124    | LBP         | 60                                                                                         | 178 | -  | - | -  | -  | 119                                  | 1.72  | -                                   | -     | -                                  | -     | 6.64         | 170-264 V, 50 Hz                                                | S                                           |
| HXK80AT    | CD000135    | LBP         | 70                                                                                         | 208 | -  | - | -  | -  | 140                                  | 1.75  | -                                   | -     | -                                  | -     | 8.10         | 170-264 V, 50 Hz *                                              | S                                           |
| HXK87AT    | CD000136    | LBP         | 89                                                                                         | 229 | -  | - | -  | -  | 154                                  | 1.75  | -                                   | -     | -                                  | -     | 8.80         | 170-264 V, 50 Hz *                                              | S                                           |
| HXK95AT    | CDO00137    | LBP         | 76                                                                                         | 254 | -  | - | -  | -  | 174                                  | 1.75  | -                                   | -     | -                                  | -     | 9.60         | 170-264 V, 50 Hz *                                              | S                                           |
| HXK12AT    | CD000219    | LBP         | 115                                                                                        | 295 | -  | - | -  | -  | 198                                  | 1.73  | -                                   | -     | -                                  | -     | 11.12        | 170-264 V, 50 Hz *                                              | S                                           |
| HXK13AT    | CDO00222    | LBP         | 131                                                                                        | 335 | -  | - | -  | -  | 226                                  | 1.65  | -                                   | -     | -                                  | -     | 12.50        | 170-264 V, 50 Hz                                                | S                                           |

Electrical Equipment · Spare Parts · Accessories

| Dimensions  |   |                          |         |                     |                           | Run capacitor               | Terminal board                |        | Terminal board                 | Cable clamp         | Cover                       | Evaporation tray | All-in-one equipment                                  |        |
|-------------|---|--------------------------|---------|---------------------|---------------------------|-----------------------------|-------------------------------|--------|--------------------------------|---------------------|-----------------------------|------------------|-------------------------------------------------------|--------|
| Height [mm] |   | Connectors location [mm] |         |                     | alt. connectors available | → optional<br>→ compulsory* | → PTC<br>→ external protector |        | → ePTC<br>→ external protector | screws not included | V0<br><br>material optional | plastic          | → cover<br>→ cable clamp + screws<br>→ earthing screw |        |
| A           | B | Suction                  | Process | Dis-charge E (I.D.) |                           | Spades                      |                               | Spades |                                |                     |                             |                  |                                                       | Spades |
|             |   |                          |         |                     |                           | 4.8   6.3 mm                |                               | 4.8 mm | 6.3 mm                         |                     |                             |                  |                                                       | 4.8 mm |
| 167         | - | 6.15                     | 6.00    | 5.15                | X                         | 4 µF                        | ZAF5                          | DAF5   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |        |
| 167         | - | 6.15                     | 6.00    | 5.15                | X                         | 4 µF                        | ZCF5                          | DCF5   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |        |
| 167         | - | 6.15                     | 6.00    | 5.15                | X                         | 4 µF                        | ZCF6                          | DCF6   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |        |
| 167         | - | 6.15                     | 6.00    | 5.15                | X                         | 4 µF                        | ZCFP                          | DCFP   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |        |
| 167         | - | 6.15                     | 6.00    | 5.15                | X                         | 4 µF                        | ZCF9                          | DCF9   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |        |
| 167         | - | 6.15                     | 6.00    | 5.15                | X                         | 4 µF *                      | ZCF9                          | DCF9   | -                              | 113410_             | 196364_                     | 162991_          | 161680_                                               |        |



R290 · 220-240 V · 50 Hz

| Compressor | Code number | Application | ASHRAE Capacity [W]<br>Tc=54.4°C, Tliq=32.2°C, Tsuc=32.2°C<br>Evaporating temperature [°C] |      |      |      |      |      | ASHRAE                               |       |                                     |       |                                    |       | Displacement<br><br>[cm³] | Voltage and frequencies<br>[*dual frequency type with 50/60 Hz] | Compressor cooling<br><br>(refer to data sheet) |
|------------|-------------|-------------|--------------------------------------------------------------------------------------------|------|------|------|------|------|--------------------------------------|-------|-------------------------------------|-------|------------------------------------|-------|---------------------------|-----------------------------------------------------------------|-------------------------------------------------|
|            |             |             |                                                                                            |      |      |      |      |      | LBP rating point<br>-23.3°C / 54.4°C |       | MBP rating point<br>-6.7°C / 54.4°C |       | HBP rating point<br>7.2°C / 54.4°C |       |                           |                                                                 |                                                 |
|            |             |             | -35                                                                                        | -15  | -5   | 0    | 10   | 15   | Cooling capacity                     | COP   | Cooling capacity                    | COP   | Cooling capacity                   | COP   |                           |                                                                 |                                                 |
|            |             |             |                                                                                            |      |      |      |      |      | [W]                                  | [W/W] | [W]                                 | [W/W] | [W]                                | [W/W] |                           |                                                                 |                                                 |
| TL3CN      | 102H4380    | L/MBP       | 49                                                                                         | 161  | 249  | 303  | –    | –    | 105                                  | 0.91  | 208                                 | 1.38  | –                                  | –     | 3.13                      | 198-254 V, 50 Hz                                                | F1                                              |
| TL4CN      | 102H4490    | L/MBP       | 76                                                                                         | 212  | 316  | 379  | –    | –    | 146                                  | 1.07  | 265                                 | 1.46  | –                                  | –     | 3.86                      | 198-254 V, 50 Hz                                                | F1                                              |
| TL5CN      | 102H4590    | L/MBP       | 109                                                                                        | 296  | 436  | 521  | –    | –    | 205                                  | 1.18  | 367                                 | 1.53  | –                                  | –     | 5.08                      | 198-254 V, 50 Hz                                                | F1                                              |
| KLF4.0CND  | 106H2401    | L/MBP       | 93                                                                                         | 268  | 401  | 483  | –    | –    | 184                                  | 1.50  | 336                                 | 2.14  | –                                  | –     | 4.00                      | 198-254 V, 50 Hz                                                | F2                                              |
| KLF4.0CNDS | 106H2403    | L/MBP       | 89                                                                                         | 258  | 386  | 465  | –    | –    | 177                                  | 1.44  | 323                                 | 2.03  | –                                  | –     | 4.00                      | 198-254 V, 50 Hz                                                | F2                                              |
| KLF4.8CND  | 106H2500    | L/MBP       | 113                                                                                        | 332  | 489  | 586  | –    | –    | 231                                  | 1.55  | 411                                 | 2.17  | –                                  | –     | 4.80                      | 198-254 V, 50 Hz                                                | F2                                              |
| KLF4.8CNDS | 106H2503    | L/MBP       | 109                                                                                        | 320  | 471  | 564  | –    | –    | 222                                  | 1.46  | 395                                 | 2.01  | –                                  | –     | 4.80                      | 198-254 V, 50 Hz                                                | F2                                              |
| KLF5.6CND  | 106H2600    | L/MBP       | 144                                                                                        | 401  | 596  | 716  | –    | –    | 277                                  | 1.62  | 500                                 | 2.17  | –                                  | –     | 5.60                      | 198-254 V, 50 Hz                                                | F2                                              |
| KLF5.6CNDS | 106H2603    | L/MBP       | 138                                                                                        | 383  | 568  | 682  | –    | –    | 265                                  | 1.51  | 477                                 | 2.02  | –                                  | –     | 5.60                      | 198-254 V, 50 Hz                                                | F2                                              |
| KLF6.6CND  | 106H2700    | L/MBP       | 174                                                                                        | 485  | 709  | 846  | –    | –    | 338                                  | 1.58  | 597                                 | 2.12  | –                                  | –     | 6.60                      | 198-254 V, 50 Hz                                                | F2                                              |
| KLF6.6CNDS | 106H2703    | L/MBP       | 168                                                                                        | 467  | 682  | 813  | –    | –    | 326                                  | 1.47  | 574                                 | 1.96  | –                                  | –     | 6.60                      | 198-254 V, 50 Hz                                                | F2                                              |
| KLF7.7CND  | 106H2800    | L/MBP       | 213                                                                                        | 559  | 824  | 983  | –    | –    | 388                                  | 1.60  | 693                                 | 2.12  | –                                  | –     | 7.70                      | 198-254 V, 50 Hz                                                | F2                                              |
| KLF7.7CNDS | 106H2803    | L/MBP       | 204                                                                                        | 535  | 788  | 939  | –    | –    | 372                                  | 1.48  | 663                                 | 1.95  | –                                  | –     | 7.70                      | 198-254 V, 50 Hz                                                | F2                                              |
| KLF7.7LNDK | 106H2801    | LBP         | 216                                                                                        | 556  | –    | –    | –    | –    | 390                                  | 1.57  | –                                   | –     | –                                  | –     | 7.70                      | 198-254 V, 50 Hz                                                | F2                                              |
| NL7CN      | 105H6756    | L/MBP       | 174                                                                                        | 474  | 712  | 859  | –    | –    | 325                                  | 1.35  | 597                                 | 1.81  | –                                  | –     | 7.27                      | 198-254 V, 50 Hz                                                | F1                                              |
| NL9CN      | 105H6856    | L/MBP       | 205                                                                                        | 548  | 815  | 979  | –    | –    | 380                                  | 1.39  | 684                                 | 1.80  | –                                  | –     | 8.35                      | 198-254 V, 50 Hz                                                | F1                                              |
| NLE8.8CN   | 105H6880    | L/MBP       | 236                                                                                        | 611  | 893  | 1068 | 1497 | –    | 431                                  | 1.57  | 751                                 | 1.98  | 1220                               | 2.68  | 8.76                      | 198-254 V, 50 Hz                                                | F2                                              |
| NLE10CN    | 105H6175    | L/MBP       | 267                                                                                        | 702  | 1038 | 1240 | 1722 | –    | 486                                  | 1.47  | 872                                 | 1.89  | 1409                               | 2.53  | 10.09                     | 198-254 V, 50 Hz                                                | F2                                              |
| NLE11CNL   | 105H6174    | LBP         | 300                                                                                        | 778  | 1143 | –    | –    | –    | 540                                  | 1.52  | 962                                 | 1.92  | –                                  | –     | 11.15                     | 198-254 V, 50 Hz                                                | F2                                              |
| NLE12.6CNL | 105H6378    | LBP         | 355                                                                                        | 861  | 1274 | –    | –    | –    | 611                                  | 1.63  | 1069                                | 2.00  | –                                  | –     | 12.55                     | 198-254 V, 50 Hz                                                | F2                                              |
| NLE11MN    | 105H6177    | MBP         | –                                                                                          | 795  | 1166 | 1391 | 1929 | –    | 562                                  | 1.58  | 981                                 | 2.01  | 1579                               | 2.70  | 11.15                     | 198-254 V, 50 Hz                                                | F2                                              |
| NLE12.6MN  | 105H6377    | MBP         | –                                                                                          | 855  | 1261 | 1510 | 2114 | –    | 602                                  | 1.56  | 1060                                | 1.97  | 1725                               | 2.56  | 12.55                     | 198-254 V, 50 Hz                                                | F2                                              |
| NLU8.8DN   | 105H6085    | M/HBP       | –                                                                                          | 569  | 862  | 1045 | 1488 | 1751 | 392                                  | 1.60  | 721                                 | 2.17  | 1210                               | 3.09  | 8.76                      | 187-254 V, 50 Hz                                                | F2                                              |
| SC10CNX    | 104H8065    | L/MBP       | 175                                                                                        | 547  | 853  | 1042 | –    | –    | 358                                  | 1.27  | 711                                 | 1.79  | –                                  | –     | 10.29                     | 198-254 V, 50 Hz                                                | F2                                              |
| SC12CNX    | 104H8265    | L/MBP       | 227                                                                                        | 711  | 1110 | 1372 | –    | –    | 475                                  | 1.31  | 923                                 | 1.79  | –                                  | –     | 12.87                     | 198-254 V, 50 Hz                                                | F2                                              |
| SC15CNX    | 104H8565    | L/MBP       | 251                                                                                        | 918  | 1415 | 1717 | –    | –    | 597                                  | 1.35  | 1183                                | 1.83  | –                                  | –     | 15.28                     | 198-254 V, 50 Hz                                                | F2                                              |
| SC18CNX    | 104H8865    | L/MBP       | 315                                                                                        | 1106 | 1684 | 2032 | –    | –    | 727                                  | 1.36  | 1410                                | 1.74  | –                                  | –     | 17.69                     | 198-254 V, 50 Hz                                                | F2                                              |
| SC12CNX.2  | 104H8266    | LBP         | 230                                                                                        | 742  | –    | –    | –    | –    | 491                                  | 1.20  | –                                   | –     | –                                  | –     | 12.87                     | 198-254 V, 50 Hz                                                | F2                                              |
| SC15CNX.2  | 104H8566    | LBP         | 345                                                                                        | 928  | –    | –    | –    | –    | 624                                  | 1.32  | –                                   | –     | –                                  | –     | 15.28                     | 198-254 V, 50 Hz                                                | F2                                              |
| SC18CNX.2  | 104H8866    | LBP         | 342                                                                                        | 1194 | –    | –    | –    | –    | 797                                  | 1.31  | –                                   | –     | –                                  | –     | 17.69                     | 198-254 V, 50 Hz                                                | F2                                              |
| SC21CNX.2  | 104H8166    | LBP         | 462                                                                                        | 1399 | –    | –    | –    | –    | 962                                  | 1.45  | –                                   | –     | –                                  | –     | 20.95                     | 198-254 V, 50 Hz                                                | F2                                              |
| SC10MNX    | 104H8075    | MBP         | –                                                                                          | 575  | 921  | 1132 | –    | –    | 351                                  | 1.19  | 766                                 | 1.70  | 1329                               | 2.57  | 10.29                     | 198-254 V, 50 Hz                                                | F2                                              |
| SC12MNX    | 104H8275    | MBP         | –                                                                                          | 757  | 1195 | 1461 | –    | –    | 474                                  | 1.13  | 995                                 | 1.77  | 1707                               | 2.61  | 12.87                     | 198-254 V, 50 Hz                                                | F2                                              |
| SC15MNX    | 104H8575    | MBP         | –                                                                                          | 967  | 1409 | 1679 | –    | –    | 680                                  | 1.51  | 1187                                | 1.75  | 1907                               | 2.40  | 15.28                     | 198-254 V, 50 Hz                                                | F2                                              |
| SC18MNX    | 104H8875    | MBP         | –                                                                                          | 1109 | 1622 | 1943 | –    | –    | 777                                  | 1.31  | 1364                                | 1.71  | 2237                               | 2.33  | 17.69                     | 198-254 V, 50 Hz                                                | F2                                              |
| SCE15CNLX  | 104H8548    | LBP         | 319                                                                                        | 1004 | 1522 | –    | –    | –    | 667                                  | 1.52  | 1276                                | 2.05  | –                                  | –     | 15.28                     | 198-254 V, 50 Hz                                                | F2                                              |
| SCE18CNLX  | 104H8848    | LBP         | 404                                                                                        | 1179 | 1775 | –    | –    | –    | 793                                  | 1.51  | 1489                                | 2.03  | –                                  | –     | 17.69                     | 198-254 V, 50 Hz                                                | F2                                              |
| SCE21CNLX  | 104H8163    | LBP         | 512                                                                                        | 1397 | 2081 | –    | –    | –    | 956                                  | 1.61  | 1748                                | 2.08  | –                                  | –     | 20.95                     | 198-254 V, 50 Hz                                                | F2                                              |
| SCE21CNLX  | 104H8164    | LBP         | 497                                                                                        | 1381 | 2062 | –    | –    | –    | 939                                  | 1.49  | 1732                                | 1.87  | –                                  | –     | 20.95                     | 207-242 V, 50 Hz                                                | F2                                              |
| SCE15CNX   | 104H8540    | L/MBP       | 319                                                                                        | 1002 | 1524 | 1836 | –    | –    | 664                                  | 1.62  | 1277                                | 2.23  | 2100                               | 3.13  | 15.28                     | 198-254 V, 50 Hz                                                | F2                                              |
| SCE18CNX   | 104H8840    | L/MBP       | 400                                                                                        | 1206 | 1818 | 2183 | –    | –    | 809                                  | 1.63  | 1525                                | 2.24  | 2488                               | 3.14  | 17.69                     | 198-254 V, 50 Hz                                                | F2                                              |
| SCE15MNX   | 104H8549    | MBP         | –                                                                                          | 995  | 1513 | 1822 | 2550 | –    | 659                                  | 1.49  | 1267                                | 2.04  | 2083                               | 2.84  | 15.28                     | 198-254 V, 50 Hz                                                | F2                                              |
| SCE18MNX   | 104H8849    | MBP         | –                                                                                          | 1193 | 1789 | 2144 | –    | –    | 809                                  | 1.46  | 1501                                | 1.97  | 2437                               | 2.75  | 17.69                     | 198-254 V, 50 Hz                                                | F2                                              |
| SCE21MNX   | 104H8160    | MBP         | –                                                                                          | 1443 | 2091 | 2492 | –    | –    | 1002                                 | 1.64  | 1762                                | 2.11  | 2852                               | 2.91  | 20.95                     | 198-254 V, 50 Hz                                                | F2                                              |
| SCE23LNDX  | 104H8320    | LBP         | 578                                                                                        | 1571 | 2331 | –    | –    | –    | 1077                                 | 1.62  | –                                   | –     | –                                  | –     | 23.00                     | 207-254 V, 50 Hz                                                | F2                                              |
| SCE25LNDX  | 104H8420    | MBP         | 635                                                                                        | 1704 | 2514 | –    | –    | –    | 1175                                 | 1.61  | 2115                                | 1.97  | –                                  | –     | 25.00                     | 207-254 V, 50 Hz                                                | F2                                              |
| SCE23MNDX  | 104H8300    | LBP         | –                                                                                          | 1560 | 2260 | 2694 | 3800 | –    | 1086                                 | 1.60  | –                                   | –     | –                                  | –     | 23.00                     | 207-254 V, 50 Hz                                                | F2                                              |
| SCE25MNDX  | 104H8400    | MBP         | –                                                                                          | 1702 | 2459 | 2933 | 4160 | –    | 1188                                 | 1.63  | 2072                                | 2.04  | –                                  | –     | 25.00                     | 207-254 V, 50 Hz                                                | F2                                              |

**Note:** T-Series compressors will be phased out in 2025  
● Preliminary data, SCE Plus compressors use a terminal board instead of a starting device

Electrical Equipment

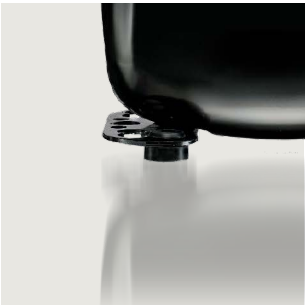
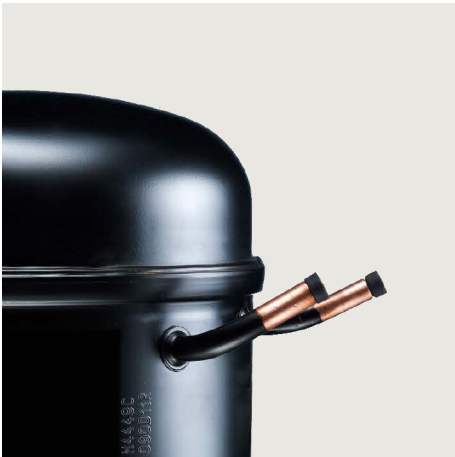
| Dimensions     |       |                                  |                     |                        |                              | LST (RSIR & RSCR)                 |          |                                          |          |          | Run capacitor (RC)          |          | HST (CSIR & CSCR) |                       |                     | LST/HST        |          |          |
|----------------|-------|----------------------------------|---------------------|------------------------|------------------------------|-----------------------------------|----------|------------------------------------------|----------|----------|-----------------------------|----------|-------------------|-----------------------|---------------------|----------------|----------|----------|
| Height<br>[mm] |       | Connectors location/I.D.<br>[mm] |                     |                        | alt. connectors<br>available | refer to data sheet for more info |          |                                          |          |          | → optional<br>→ compulsory* |          | Starting<br>relay | Starting<br>capacitor | Starting<br>device* | Cord<br>relief | Cover    |          |
| A              | B     | Suction<br>C (I.D.)              | Process<br>D (I.D.) | Dis-charge<br>E (I.D.) |                              | PTC starting device               |          | PTC starting device<br>with RC connector |          | ePTC     | → optional<br>→ compulsory* |          | Spades            |                       | Spades              |                |          |          |
|                |       |                                  |                     |                        |                              | 6.3 mm                            | 4.8 mm   | 6.3 mm                                   | 4.8 mm   | 4.8 mm   | 6.3 mm                      | 4.8 mm   | 6.3 mm            | 6.3 mm                | 6.3 mm              |                |          |          |
| 163            | 159   | 6.2                              | 6.2                 | 5                      | X                            | 103N0011                          | 103N0018 | -                                        | -        | -        | -                           | -        | 117U7004          | 117U5014              | -                   | 103N1010       | 103N2010 |          |
| 173            | 169   | 6.2                              | 6.2                 | 5                      | -                            | 103N0011                          | 103N0018 | -                                        | -        | -        | -                           | -        | 117U7004          | 117U5014              | -                   | 103N1010       | 103N2010 |          |
| 173            | 169   | 6.2                              | 6.2                 | 5                      | X                            | 103N0011                          | 103N0018 | 103N0016                                 | 103N0021 | -        | 117-7117                    | 117-7119 | 117U7000          | 117U5014              | -                   | 103N1010       | 103N2010 |          |
| 182            | 175   | 8.2                              | 6.2                 | 6.2                    | X                            | -                                 | -        | 103N0254                                 | 103N0255 | -        | 117-7191                    | 117-7190 | 117U7073          | 117U5001              | -                   | 16058100       | 10636401 |          |
| 182            | 175   | 8.2                              | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | -                           | -        | 117U7073          | 117U5001              | -                   | 16058100       | 10636401 |          |
| 182            | 175   | 8.2                              | 6.2                 | 6.2                    | X                            | -                                 | -        | 103N0254                                 | 103N0255 | -        | 117-7191                    | 117-7190 | 117U7073          | 117U5001              | -                   | 16058100       | 10636401 |          |
| 182            | 175   | 8.2                              | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | -                           | -        | 117U7073          | 117U5001              | -                   | 16058100       | 10636401 |          |
| 182            | 175   | 8.2                              | 6.2                 | 6.2                    | X                            | -                                 | -        | 103N0251                                 | 103N0253 | -        | 117-7191                    | 117-7190 | 117U7070          | 117U5001              | -                   | 16058100       | 10636401 |          |
| 182            | 175   | 8.2                              | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | -                           | -        | 117U7070          | 117U5001              | -                   | 16058100       | 10636401 |          |
| 182            | 175   | 8.2                              | 6.2                 | 6.2                    | X                            | -                                 | -        | 103N0250                                 | 103N0252 | -        | 117-7191                    | 117-7190 | 117U7071          | 117U5001              | -                   | 16058100       | 10636401 |          |
| 182            | 175   | 8.2                              | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | -                           | -        | 117U7071          | 117U5001              | -                   | 16058100       | 10636401 |          |
| 182            | 175   | 8.2                              | 6.2                 | 6.2                    | X                            | -                                 | -        | 103N0250                                 | 103N0252 | -        | 117-7191                    | 117-7190 | 117U7071          | 117U5001              | -                   | 16058100       | 10636401 |          |
| 182            | 175   | 8.2                              | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | -                           | -        | 117U7071          | 117U5001              | -                   | 16058100       | 10636401 |          |
| 182            | 175   | 8.2                              | 6.2                 | 6.2                    |                              | 103N0251                          | 103N0253 | 103N0251                                 | 103N0253 | -        | 117-7191                    | 117-7190 | -                 | -                     | -                   | 16058100       | 10636401 |          |
| 203            | 197   | 8.2                              | 6.2                 | 6.2                    | -                            | 103N0011                          | 103N0018 | 103N0016                                 | 103N0021 | -        | 117-7117                    | 117-7119 | 117U7002          | 117U5015              | -                   | 103N1010       | 103N2010 |          |
| 203            | 197   | 8.2                              | 6.2                 | 6.2                    | X                            | 103N0011                          | 103N0018 | 103N0016                                 | 103N0021 | -        | 117-7117                    | 117-7119 | 117U7002          | 117U5015              | -                   | 103N1010       | 103N2010 |          |
| 203            | 197   | 8.2                              | 6.2                 | 6.2                    | X                            | -                                 | -        | -                                        | -        | 103N0050 | -                           | 117-7119 | 117U7002          | 117U5015              | -                   | 103N1010       | 103N2010 |          |
| 203            | 197   | 8.2                              | 6.2                 | 6.2                    | X                            | -                                 | -        | -                                        | -        | 103N0050 | -                           | 117-7119 | 117U7002          | 117U5015              | -                   | 103N1010       | 103N2010 |          |
| 203            | 197   | 8.2                              | 6.2                 | 6.2                    | X                            | -                                 | -        | -                                        | -        | 103N0050 | -                           | -        | 117U7003          | 117U5015              | -                   | 103N1010       | 103N2010 |          |
| 203            | 197   | 8.2                              | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | 103N0050 | -                           | 117-7119 | 117U7003          | 117U5015              | -                   | 103N1010       | 103N2010 |          |
| 203            | 197   | 8.2                              | 6.2                 | 6.2                    | X                            | -                                 | -        | -                                        | -        | 103N0050 | -                           | 117-7119 | 117U7005          | 117U5015              | -                   | 103N1010       | 103N2010 |          |
| 203            | 197   | 8.2                              | 6.2                 | 6.2                    | X                            | -                                 | -        | -                                        | -        | 103N0050 | -                           | 117-7119 | 117U7011          | 117U5015              | -                   | 103N1010       | 103N2010 |          |
| 203            | 197   | 8.2                              | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | 117-7111 *                  | -        | 117-7425          | 117U5389              | -                   | 103N1010       | 103N2010 |          |
| 209            | 203   | 8.2                              | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | -                           | -        | -                 | 117U5372              | 117-7025            | 103N1004       | 103N2009 |          |
| 209            | 203   | 8.2                              | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | -                           | -        | -                 | 117U5372              | 117-7025            | 103N1004       | 103N2009 |          |
| 209            | 203   | 10.2                             | 6.2                 | 6.2                    | X                            | -                                 | -        | -                                        | -        | -        | -                           | -        | -                 | 117U5373              | 117-7031            | 103N1004       | 103N2009 |          |
| 209            | 203   | 10.2                             | 6.2                 | 6.2                    | X                            | -                                 | -        | -                                        | -        | -        | -                           | -        | -                 | 117U5373              | 117-7052            | 103N1004       | 103N2009 |          |
| 209            | 203   | 8.2                              | 6.2                 | 6.2                    | X                            | -                                 | -        | -                                        | -        | -        | -                           | -        | -                 | 117U7003              | 117U5017            | -              | 103N1004 | 103N2009 |
| 209            | 203   | 8.2                              | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | -                           | -        | -                 | 117U7005              | 117U5017            | -              | 103N1004 | 103N2009 |
| 219            | 213   | 10.2                             | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | -                           | -        | -                 | 117U7011              | 117U5017            | -              | 103N1004 | 103N2009 |
| 219            | 213   | 10.2                             | 6.2                 | 6.2                    | X                            | -                                 | -        | -                                        | -        | -        | -                           | -        | -                 | 117U7013              | 117U5012            | -              | 103N1004 | 103N2009 |
| 209            | 203   | 8.2                              | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | -                           | -        | -                 | 117U7005              | 117U5017            | -              | 103N1004 | 103N2008 |
| 219            | 213   | 8.2                              | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | -                           | -        | -                 | 117U7019              | 117U5017            | -              | 103N1004 | 103N2008 |
| 219            | 213   | 8.2                              | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | -                           | -        | -                 | 117U7019              | 117U5017            | -              | 103N1004 | 103N2008 |
| 219            | 213   | 8.2                              | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | -                           | -        | -                 | 117U7011              | 117U5017            | -              | 103N1004 | 103N2008 |
| 219            | 213   | 10.2                             | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | -                           | -        | -                 | 117U7403              | 117U5017            | -              | 103N1004 | 117U1033 |
| 219            | 213   | 10.2                             | 6.2                 | 6.2                    | X                            | -                                 | -        | -                                        | -        | -        | -                           | -        | -                 | 117U7405              | 117U5017            | -              | 103N1004 | 117U1033 |
| 219            | 213   | 10.2                             | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | 117-7112 *                  | -        | 117-7600          | 117U5373              | 117-7806            | -              | 117U1028 |          |
| 219            | 213   | 10.2                             | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | -                           | -        | -                 | 117U7400              | 117U5017            | -              | -        | 117U1033 |
| 219            | 213   | 10.2                             | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | 117-7112 *                  | -        | 117-7429          | 117U5373              | 117-7810            | 103N1004       | 117U1033 |          |
| 219            | 213   | 10.2                             | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | 117-7112 *                  | -        | 117-7600          | 117U5373              | 117-7806            | 103N1004       | 117U1033 |          |
| 219            | 213   | 10.2                             | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | -                           | -        | -                 | 117U7405              | 117U5017            | -              | 103N1004 | 117U1033 |
| 219            | 213   | 10.2                             | 6.2                 | 6.2                    | X                            | -                                 | -        | -                                        | -        | -        | -                           | -        | -                 | 117U7406              | 117U5017            | -              | 103N1004 | 117U1033 |
| 219            | 213   | 10.2                             | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | 117-7112 *                  | -        | 117-7425          | 117U5373              | 117-7800            | -              | 117U1028 |          |
| 236.4          | 230.6 | 10.2                             | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | 117-7112 *                  | -        | 117-7600          | 117U5373              | 117-7806            | -              | 117U1028 |          |
| 236.4          | 230.6 | 10.2                             | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | 117-7425                    | -        | 117-7425          | 117U5373              | 117-7800            | -              | 117U1028 |          |
| 236.4          | 230.6 | 10.2                             | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | 117-7112 *                  | -        | 117-7425          | 117U5373              | 117-7800            | -              | 117U1028 |          |
| 236.4          | 230.6 | 10.2                             | 6.2                 | 6.2                    | -                            | -                                 | -        | -                                        | -        | -        | 117-0313 *                  | -        | 117-7425          | 117U5373              | 117-8102            | -              | 117U1028 |          |



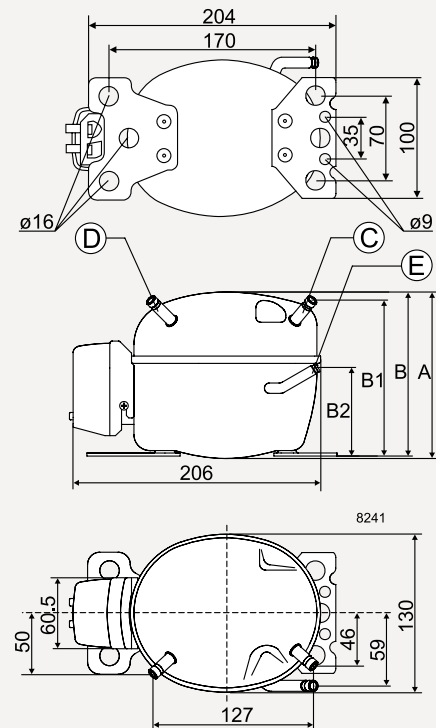
| Compressor | Code number | Application | ASHRAE Capacity [W]<br>Tc=54.4°C, Tliq=32.2°C, Tsuc=32.2°C<br>Evaporating temperature [°C] |      |      |      |    |    | ASHRAE                               |       |                                     |       |                                    |       | Displacement<br>[cm³] | Voltage and frequencies<br>[*dual frequency type with 50/60 Hz] | Compressor cooling<br>cooling<br>(refer to data sheet) |
|------------|-------------|-------------|--------------------------------------------------------------------------------------------|------|------|------|----|----|--------------------------------------|-------|-------------------------------------|-------|------------------------------------|-------|-----------------------|-----------------------------------------------------------------|--------------------------------------------------------|
|            |             |             |                                                                                            |      |      |      |    |    | LBP rating point<br>-23.3°C / 54.4°C |       | MBP rating point<br>-6.7°C / 54.4°C |       | HBP rating point<br>7.2°C / 54.4°C |       |                       |                                                                 |                                                        |
|            |             |             | -35                                                                                        | -15  | -5   | 0    | 10 | 15 | Cooling capacity                     | COP   | Cooling capacity                    | COP   | Cooling capacity                   | COP   |                       |                                                                 |                                                        |
|            |             |             |                                                                                            |      |      |      |    |    | [W]                                  | [W/W] | [W]                                 | [W/W] | [W]                                | [W/W] |                       |                                                                 |                                                        |
| KLF4.8CNT  | 106H2502    | L/MBP       | 113                                                                                        | 338  | 500  | 601  | -  | -  | 233                                  | 1.54  | 420                                 | 2.17  | -                                  | -     | 4.80                  | 187-254 V, 50 Hz *                                              | F2                                                     |
| KLF5.6CNT  | 106H2602    | L/MBP       | 144                                                                                        | 400  | 594  | 714  | -  | -  | 277                                  | 1.61  | 499                                 | 2.16  | -                                  | -     | 5.60                  | 187-254 V, 50 Hz *                                              | F2                                                     |
| NLE8.0CNT  | 105H6073    | L/MBP       | -                                                                                          | 553  | 824  | 991  | -  | -  | 377                                  | 1.45  | 692                                 | 2.02  | 1137                               | 2.92  | 7.96                  | 187-242 V, 50 Hz *                                              | F2                                                     |
| NLE8.8CNT  | 105H6088    | L/MBP       | 276                                                                                        | 738  | 1086 | 1296 | -  | -  | 511                                  | 1.56  | 914                                 | 2.05  | 1469                               | 2.80  | 8.76                  | 187-253 V, 60 Hz                                                | F2                                                     |
| NLE10CNT   | 105H6179    | L/MBP       | -                                                                                          | 735  | 1076 | 1278 | -  | -  | 511                                  | 1.49  | 906                                 | 1.92  | 1440                               | 2.59  | 10.09                 | 187-242 V, 50 Hz *                                              | F2                                                     |
| NLE11CNLT  | 105H6109    | LBP         | 416                                                                                        | 979  | -    | -    | -  | -  | 669                                  | 1.65  | -                                   | -     | -                                  | -     | 11.15                 | 187-253 V, 60 Hz                                                | F2                                                     |
| NLE11MNT   | 105H6199    | MBP         | -                                                                                          | 965  | 1395 | 1654 | -  | -  | -                                    | -     | 1176                                | 2.02  | 1866                               | 2.73  | 11.15                 | 187-253 V, 60 Hz                                                | F2                                                     |
| SC18CNLX.2 | 104H8877    | LBP         | 457                                                                                        | 1268 | 1823 | -    | -  | -  | 922                                  | 1.45  | 1533                                | 1.92  | -                                  | -     | 17.69                 | 198-254 V, 60 Hz                                                | F2                                                     |
| SC21CNLX.2 | 104H8177    | LBP         | 570                                                                                        | 1552 | 2201 | -    | -  | -  | 1138                                 | 1.45  | 1856                                | 1.78  | -                                  | -     | 20.95                 | 198-254 V, 60 Hz                                                | F2                                                     |
| SCE15CNLX  | 104H8577    | LBP         | 249                                                                                        | 1210 | 1857 | -    | -  | -  | 769                                  | 1.64  | 1555                                | 2.27  | -                                  | -     | 15.28                 | 187-253 V, 60 Hz                                                | F2                                                     |
| SCE15CNLX  | 104H8588    | LBP         | 250                                                                                        | 1205 | 1848 | -    | -  | -  | 764                                  | 1.47  | 1548                                | 2.02  | -                                  | -     | 15.28                 | 187-253 V, 60 Hz                                                | F2                                                     |
| SCE18CNLX  | 104H8878    | LBP         | 298                                                                                        | 1434 | 2198 | -    | -  | -  | 910                                  | 1.67  | 1841                                | 2.30  | -                                  | -     | 17.69                 | 187-253 V, 60 Hz                                                | F2                                                     |
| SCE18CNLX  | 104H8888    | LBP         | 440                                                                                        | 1385 | 2066 | -    | -  | -  | 940                                  | 1.50  | 1734                                | 1.93  | -                                  | -     | 17.69                 | 187-253 V, 60 Hz                                                | F2                                                     |
| SCE21CNLX  | 104H8173    | LBP         | 526                                                                                        | 1646 | 2484 | -    | -  | -  | 1102                                 | 1.65  | 2082                                | 2.14  | -                                  | -     | 20.95                 | 187-253 V, 60 Hz                                                | F2                                                     |
| SCE21CNLX  | 104H8174    | LBP         | 452                                                                                        | 1582 | 2409 | -    | -  | -  | 1042                                 | 1.43  | 2017                                | 1.89  | -                                  | -     | 20.95                 | 198-253 V, 60 Hz                                                | F2                                                     |
| SCE15MNX   | 104H8579    | MBP         | -                                                                                          | 1221 | 1852 | 2226 | -  | -  | 792                                  | 1.64  | 1552                                | 2.25  | 2546                               | 3.19  | 15.28                 | 187-253 V, 60 Hz                                                | F2                                                     |
| SCE15MNX   | 104H8589    | MBP         | -                                                                                          | 1208 | 1828 | 2196 | -  | -  | 786                                  | 1.52  | 1533                                | 2.03  | 2511                               | 2.85  | 15.28                 | 187-253 V, 60 Hz                                                | F2                                                     |
| SCE18MNX   | 104H8879    | MBP         | -                                                                                          | 1431 | 2146 | 2569 | -  | -  | 942                                  | 1.62  | 1802                                | 2.21  | 2924                               | 3.11  | 17.69                 | 187-253 V, 60 Hz                                                | F2                                                     |
| SCE18MNX   | 104H8889    | MBP         | -                                                                                          | 1427 | 2137 | 2557 | -  | -  | 941                                  | 1.46  | 1794                                | 1.96  | 2910                               | 2.76  | 17.69                 | 187-253 V, 60 Hz                                                | F2                                                     |

Electrical Equipment

| Dimensions     |       |                                  |                     |                            |                              | LST (RSIR & RSCR)<br>refer to data sheet for more info |        |                                          |        |          | Run capacitor (RC)          |          |                   | HST (CSIR & CSCR)<br>*alt. cable lengths avail. |                     |                | LST/HST  |  |
|----------------|-------|----------------------------------|---------------------|----------------------------|------------------------------|--------------------------------------------------------|--------|------------------------------------------|--------|----------|-----------------------------|----------|-------------------|-------------------------------------------------|---------------------|----------------|----------|--|
| Height<br>[mm] |       | Connectors location/I.D.<br>[mm] |                     |                            | alt. connectors<br>available | PTC starting device                                    |        | PTC starting device<br>with RC connector |        | ePTC     | → optional<br>→ compulsory* |          | Starting<br>relay | Starting<br>capacitor                           | Starting<br>device* | Cord<br>relief | Cover    |  |
| A              | B     | Suction<br>C (I.D.)              | Process<br>D (I.D.) | Dis-<br>charge<br>E (I.D.) |                              | Spades                                                 |        | Spades                                   |        | Spades   | Spades                      |          | Spades            |                                                 | Spades              |                |          |  |
|                |       |                                  |                     |                            |                              | 6.3 mm                                                 | 4.8 mm | 6.3 mm                                   | 4.8 mm | 4.8 mm   | 6.3 mm                      | 4.8 mm   | 6.3 mm            | 6.3 mm                                          | 6.3 mm              |                |          |  |
| 181            | 175.5 | 8.2                              | 6.2                 | 6.2                        | X                            | -                                                      | -      | 103N0251                                 |        | -        | 117-7155                    | -        | 117U7070          | 117U5003                                        | -                   | 16058100       | 10636401 |  |
| 181            | 175.5 | 8.2                              | 6.2                 | 6.2                        | X                            | -                                                      | -      | 103N0256                                 |        | -        | 117-7155                    | -        | 117U7077          | 117U5003                                        | -                   | 16058100       | 10636401 |  |
| 203            | 197   | 8.2                              | 6.5                 | 6.5                        | -                            | -                                                      | -      | -                                        | -      | 103N0050 | -                           | 117-7119 | 117U7003          | 117U5014                                        | -                   | 103N1010       | 103N2011 |  |
| 203            | 197   | 8.2                              | 6.5                 | 6.5                        | -                            | -                                                      | -      | -                                        | -      | 103N0050 | -                           | 117-7119 | 117U7022          | 117U5381                                        | -                   | 103N1010       | 103N2011 |  |
| 203            | 197   | 8.2                              | 6.5                 | 6.5                        | -                            | -                                                      | -      | -                                        | -      | 103N0050 | -                           | 117-7119 | 117U7050          | 117U5014                                        | -                   | 103N1010       | 103N2011 |  |
| 203            | 197   | 8.2                              | 6.5                 | 6.5                        | -                            | -                                                      | -      | -                                        | -      | 103N0050 | -                           | 117-7165 | 117U7005          | 117U5014                                        | -                   | 103N1010       | 103N2011 |  |
| 203            | 197   | 8.2                              | 6.5                 | 6.5                        | -                            | -                                                      | -      | -                                        | -      | 103N0050 | -                           | 117-7119 | 117U7050          | 117U5014                                        | -                   | 103N1010       | 103N2011 |  |
| 219            | 213   | 9.63                             | 6.5                 | 6.5                        | -                            | -                                                      | -      | -                                        | -      | -        | -                           | -        | -                 | 117U5373                                        | 117-7039            | 103N1004       | 103N2008 |  |
| 219            | 213   | 9.63                             | 6.5                 | 6.5                        | -                            | -                                                      | -      | -                                        | -      | -        | -                           | -        | -                 | 117U5373                                        | 117-7066            | 103N1004       | 103N2008 |  |
| 219            | 213   | 9.63                             | 6.5                 | 6.5                        | -                            | -                                                      | -      | -                                        | -      | -        | 117U7121 *                  | -        | 117-7602          | 117U5373                                        | 117-7809            | -              | 117U1021 |  |
| 219            | 213   | 9.63                             | 6.5                 | 6.5                        | -                            | -                                                      | -      | -                                        | -      | -        | -                           | -        | 117U7413          | 117U5076                                        | -                   | -              | 117U1021 |  |
| 219            | 213   | 9.63                             | 6.5                 | 6.5                        | X                            | -                                                      | -      | -                                        | -      | -        | 117U7121 *                  | -        | 117-7602          | 117U5373                                        | 117-7809            | -              | 117U1021 |  |
| 219            | 213   | 9.63                             | 6.5                 | 6.5                        | X                            | -                                                      | -      | -                                        | -      | -        | -                           | -        | 117U7413          | 117U5076                                        | -                   | -              | 117U1021 |  |
| 219            | 213   | 9.63                             | 6.5                 | 6.5                        | -                            | -                                                      | -      | -                                        | -      | -        | 117U7121 *                  | -        | 117-7603          | 117U5373                                        | 117-7811            | -              | 117U1021 |  |
| 219            | 213   | 9.63                             | 6.5                 | 6.5                        | -                            | -                                                      | -      | -                                        | -      | -        | -                           | -        | 117U7407          | 117U5076                                        | -                   | -              | 117U1021 |  |
| 219            | 213   | 9.63                             | 6.5                 | 6.5                        | -                            | -                                                      | -      | -                                        | -      | -        | 117U7121 *                  | -        | 117-7601          | 117U5373                                        | 117-7808            | -              | 117U1021 |  |
| 219            | 213   | 9.63                             | 6.5                 | 6.5                        | -                            | -                                                      | -      | -                                        | -      | -        | -                           | -        | 117U7401          | 117U5076                                        | -                   | -              | 117U1021 |  |
| 219            | 213   | 9.63                             | 6.5                 | 6.5                        | X                            | -                                                      | -      | -                                        | -      | -        | 117U7121 *                  | -        | 117-7445          | 117U5373                                        | 117-7807            | -              | 117U1021 |  |
| 219            | 213   | 9.63                             | 6.5                 | 6.5                        | X                            | -                                                      | -      | -                                        | -      | -        | -                           | -        | 117U7412          | 117U5076                                        | -                   | -              | 117U1021 |  |



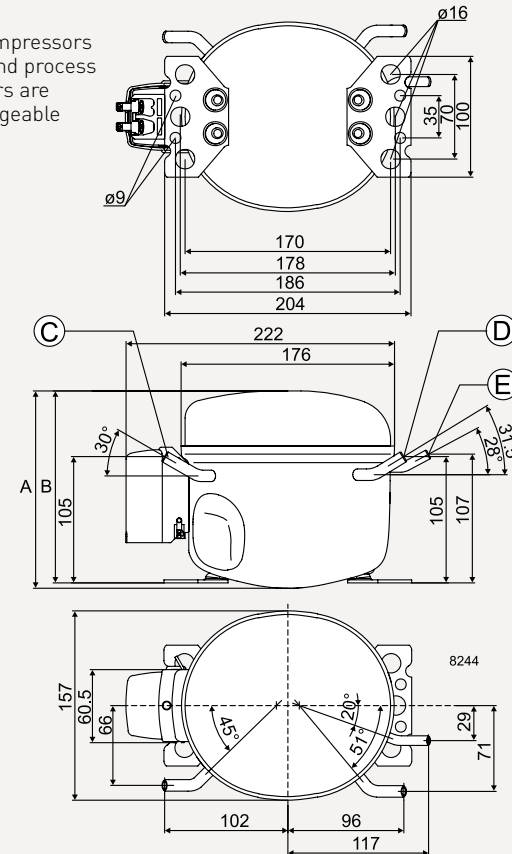
# PLE



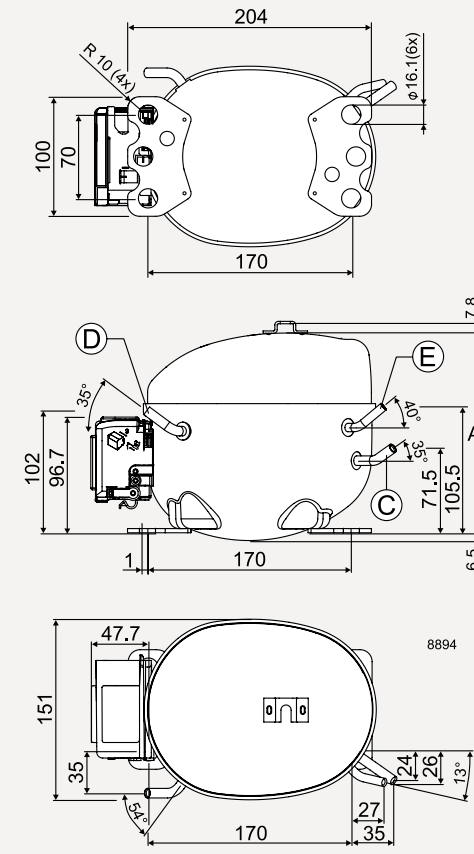
**Note:**  
Please refer to  
data sheets for  
heights B1 and B2

# TL/TLES

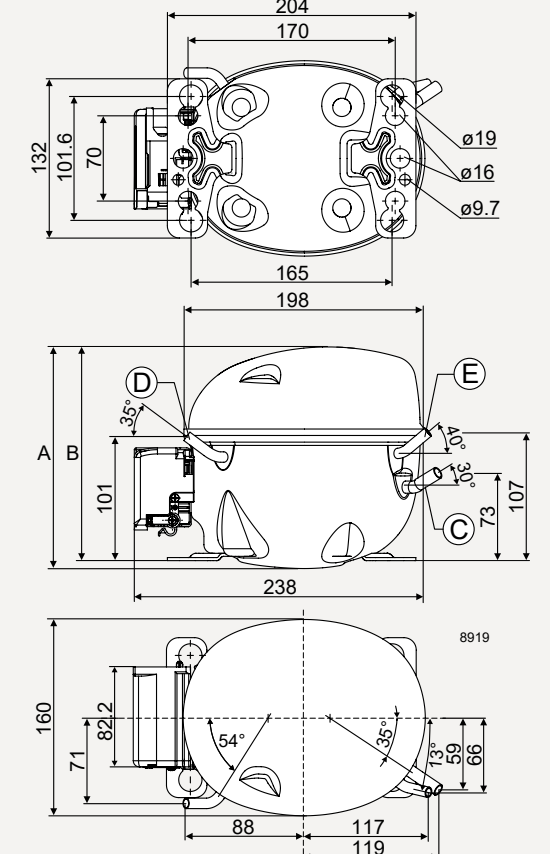
**Note:**  
On TL compressors  
suction and process  
connectors are  
interchangeable



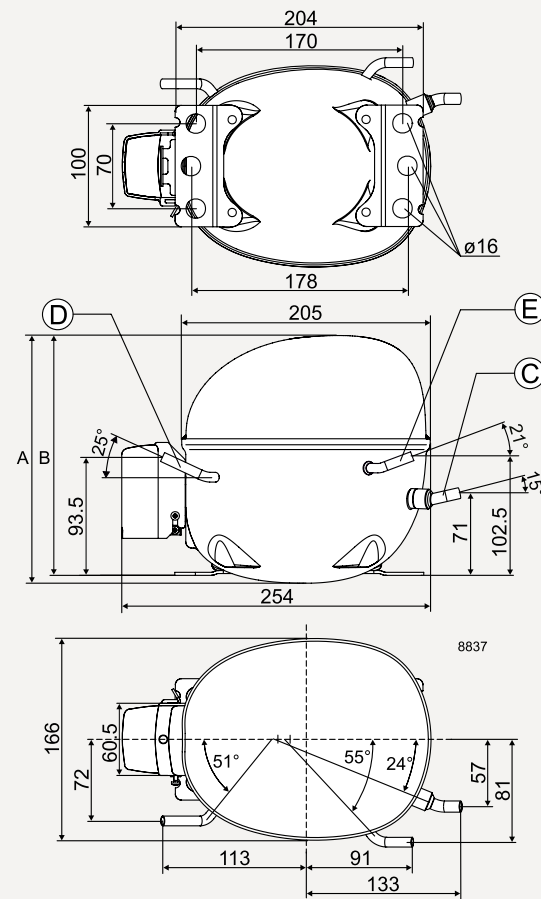
# HKK/HMK/HTK/HXK/HZK (K-Series)



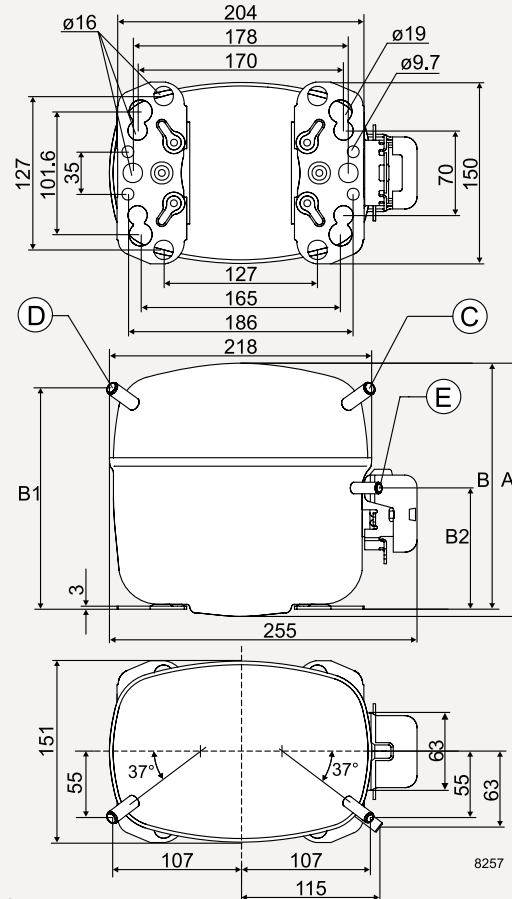
# KLF



# NLE/NLU (NL similar)

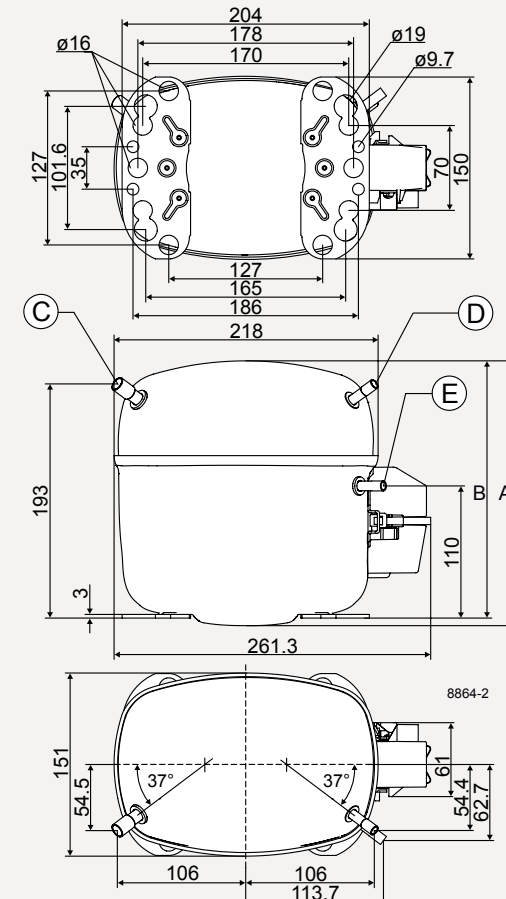


# SC

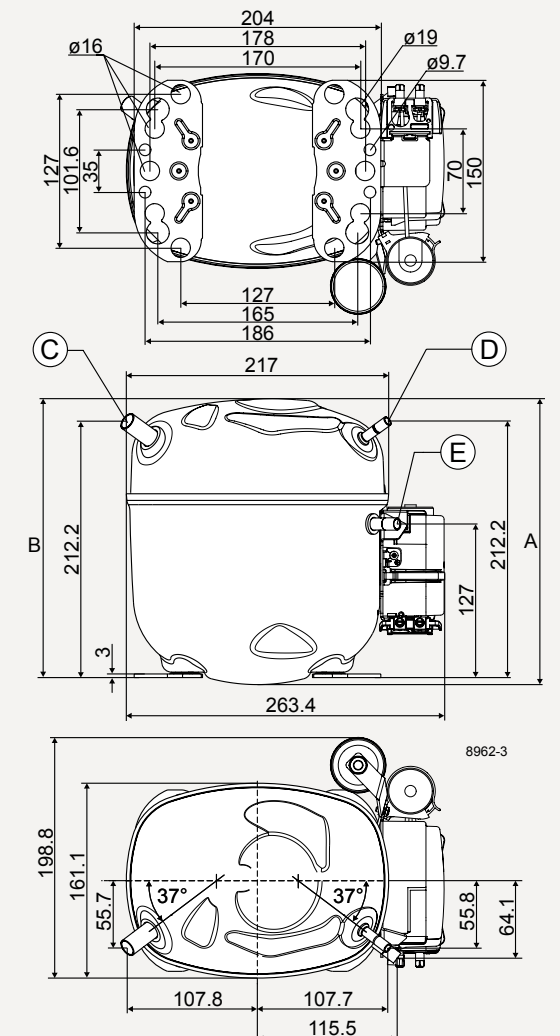


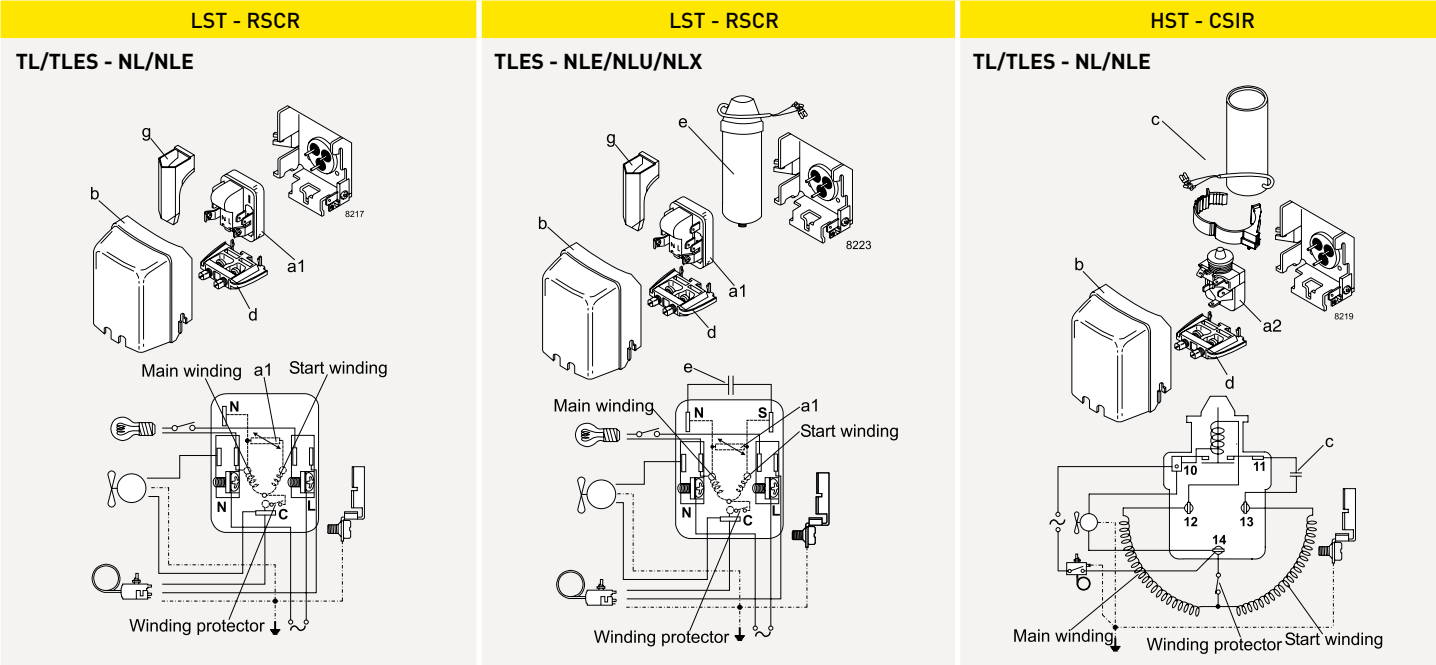
**Note:**  
Please refer to  
data sheets for  
heights B1 and B2

# SCE



# SCE Plus (preliminary)





Further information

**Applications**  
**LBP:** Low Back Pressure  
**HBP:** High Back Pressure  
**MBP:** Medium Back Pressure

**Motor types**  
**RSIR:** Resistant Start Induction Run  
**RSCR:** Resistant Start Capacitor Run  
**CSIR:** Capacitor Start Induction Run  
**CSCR:** Capacitor Start Capacitor Run

**Compressor cooling**  
S = Static cooling normally sufficient  
O = Oil cooling  
F1 = Fan cooling 1.5 m/s (compressor compartment temp. equal to ambient temperature)  
F2 = Fan cooling 3.0 m/s necessary

Starting devices

**LST:** Low Starting Torque  
LST is used with capillary tube control and pressure equalizing. (Pressure equalizing may exceed 10 minutes). The PTC starting device requires 5 minutes cooling before each start.

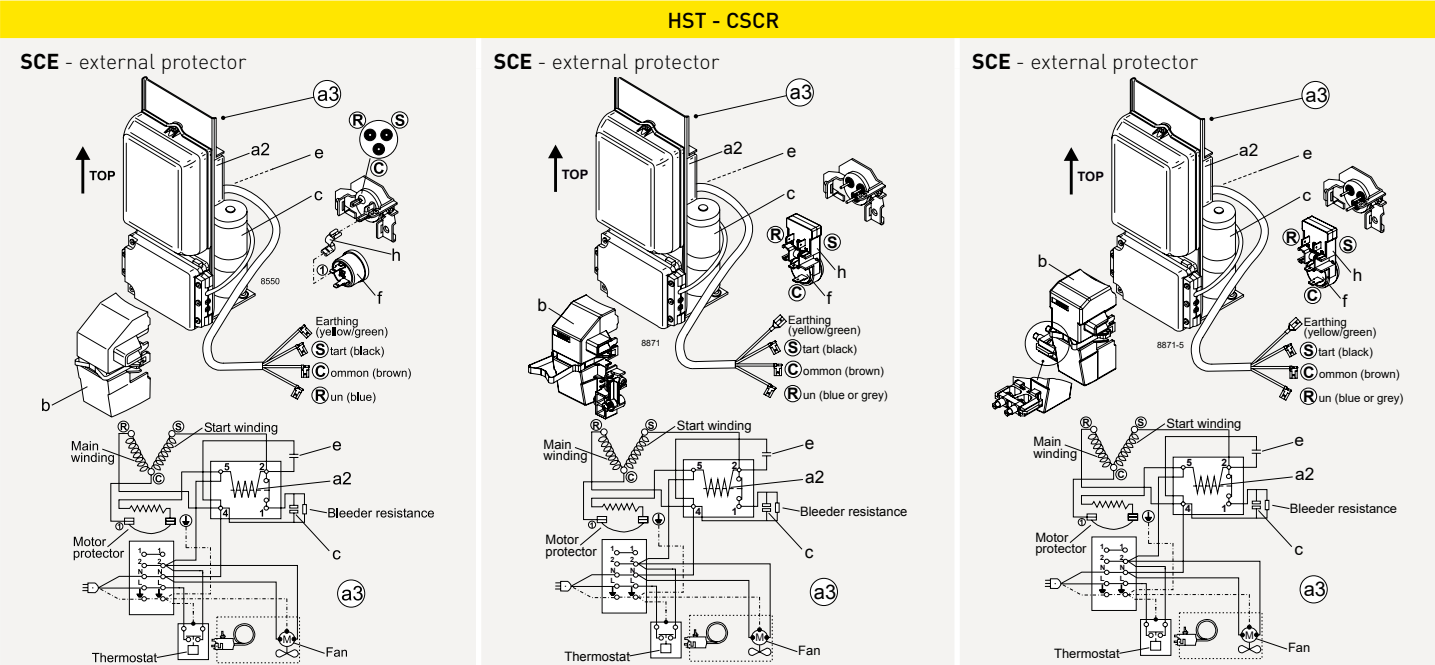
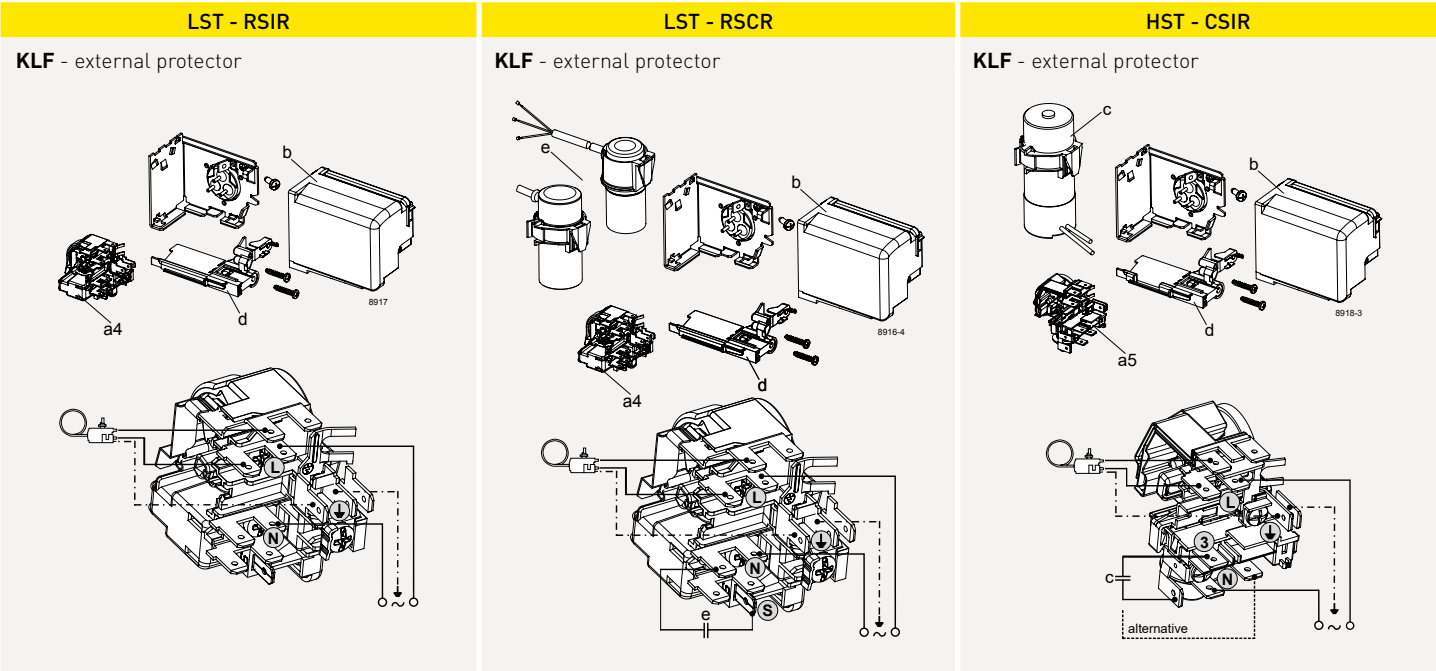
**HST:** High Starting Torque  
HST consisting of relay and starting capacitor is used for expansion valve control or for capillary tube control without pressure equalizing.

**ePTC:** Electronically controlled PTC

- Compressor restart possible after a few seconds
- Operational wattage loss reduced by 2 watt
- PTC protection screen not needed (surface temp. < 82 °C)

Legend

**a1:** PTC or ePTC starting device  
**a2:** Starting relay  
**a3:** Starting device  
**a4:** Terminal board incl. PTC and protector  
**a5:** Terminal board incl. relay  
**b:** Cover  
**b1:** Clamp (part of compressor)  
**b2:** Gasket (part of compressor)  
**c:** Starting capacitor  
**d:** Cord relief  
**e:** Run capacitor  
**e1:** Run capacitor holder  
**f:** Protector  
**g:** Protection screen for PTC  
**h:** Holder



LST - RSCR

HKK/HTK/HXK/HZK - external protector, terminal board for HZK includes an ePTC

HST - CSIR

SCE - external protector

LST - RSIR

HMK/HTK/HXK-AT - external protector

LST - RSCR

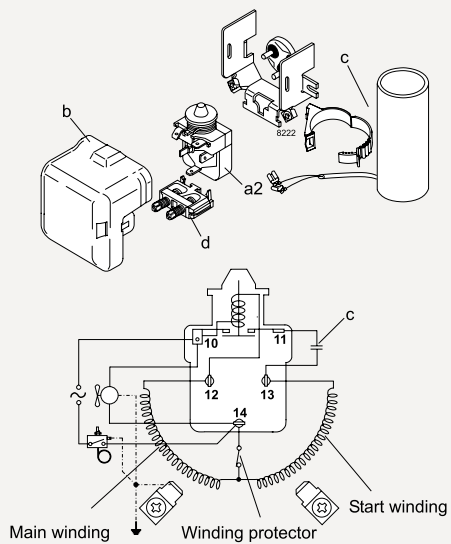
PLE



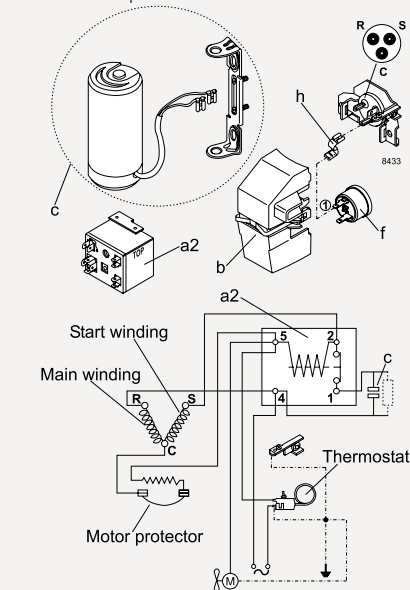
## Electrical Equipment · Motor Systems for Secop Compressors

## HST - CSIR

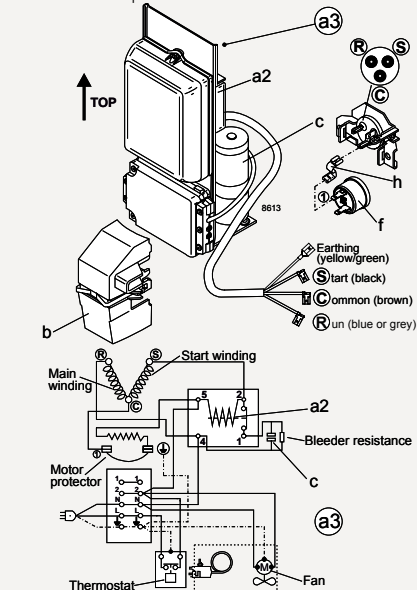
SC



**SC** - external protector

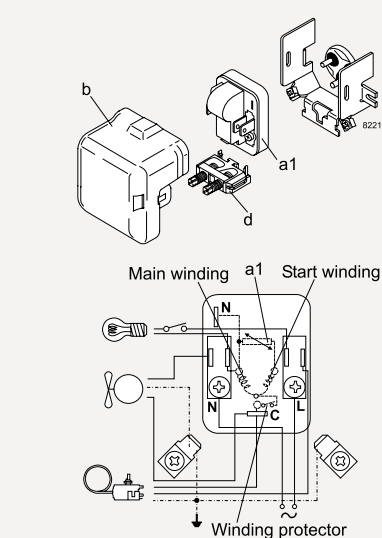


**SC** - external protector

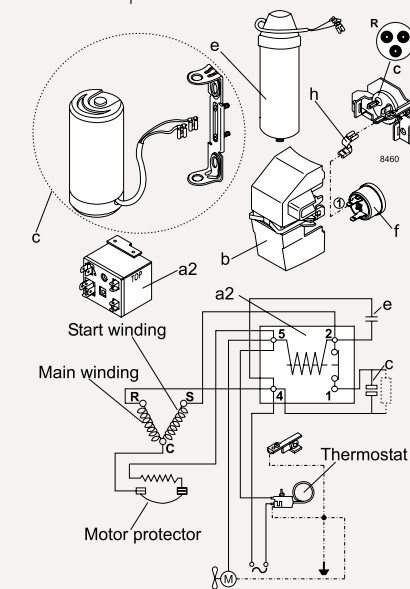


## LST - RSIR

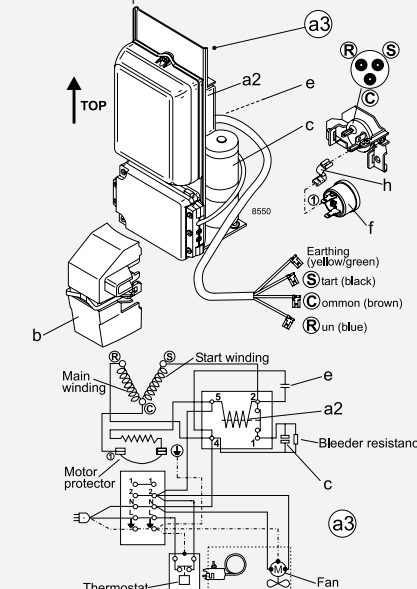
SC



**SC** - external protector

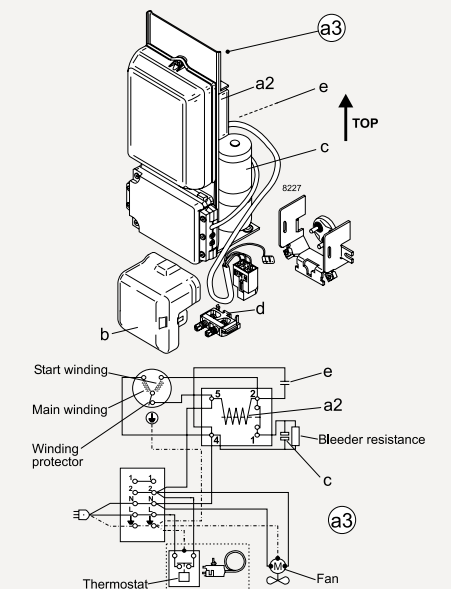


**SC** - external protector

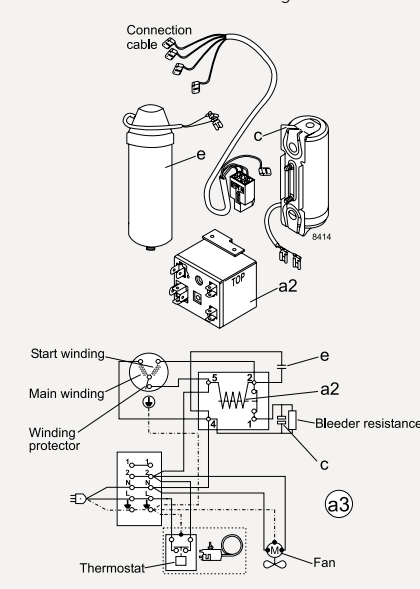


## HST - CSCR

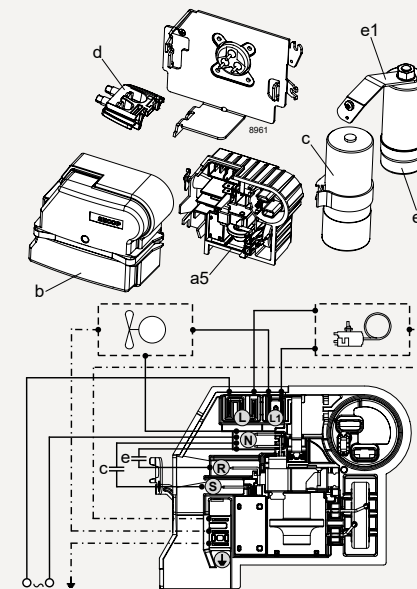
SC



**SC (kit)** - alternative to starting device



## SCE Plus



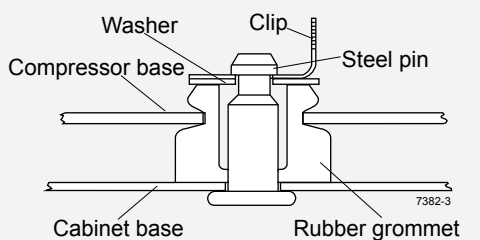
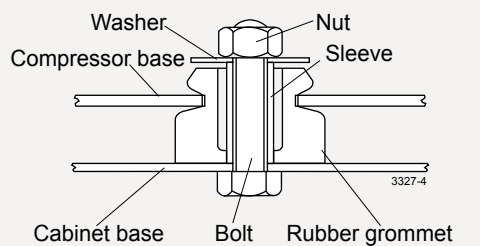
## Mounting Accessories

| Mounting   | Code number | Bolt / pin dimension | Comp. base hole | Type of packaging               | Compressor series                           | Parts list |
|------------|-------------|----------------------|-----------------|---------------------------------|---------------------------------------------|------------|
| Bolt joint | 118-1917    | M6 metric            | 16 mm           | Single pack for one compressor  | P- / T- / K- / KL- / N- / S-Series          | I          |
| Bolt joint | 118-1918    | M6 metric            | 16 mm           | Industrial pack in any quantity | P- / T- / K- / KL- / N- / S-Series          | I          |
| Bolt joint | 107B9150    | M8 metric            | 19 mm           | Single pack for one compressor  | G-Series                                    | II         |
| Bolt joint | 118-1946    | 1/4 inch             | 16 mm           | Single pack for one compressor  | P- / T- / KL- / N- / S-Series               | III        |
| Bolt joint | 118-1949    | 1/4 inch             | 19 mm           | Single pack for one compressor  | all with 19 mm base holes (except G-Series) | IV         |
| Snap-on    | 118-1947    | Ø 7.3 mm             | 16 mm           | Single pack for one compressor  | P- / T- / KL- / N- / S-Series               | V          |
| Snap-on    | 118-1919    | Ø 7.3 mm             | 16 mm           | Industrial pack in any quantity | P- / T- / KL- / N- / S-Series               | V          |

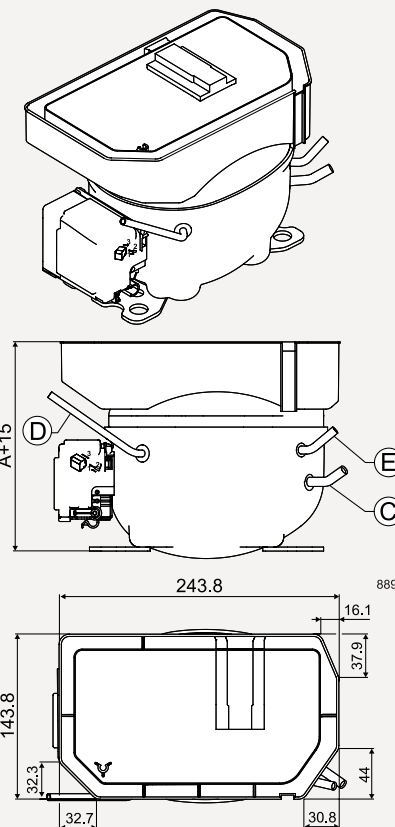
Parts list (4 pcs. per compressor needed)

|     |                                    |          |
|-----|------------------------------------|----------|
| I   | Sleeve Ø 8 mm x 6.4 mm x 0.8 mm    | 112-2052 |
|     | Washer Ø 20 mm x Ø 6.7 mm x 1 mm   | 112-2053 |
|     | Bolt M6 x 25 mm                    | 681X1130 |
|     | Nut M6                             | 118-3659 |
|     | Rubber grommet 16 mm               | 118-3661 |
| II  | Sleeve Ø 11 mm x 8.6 mm x 1.2 mm   | 107B9152 |
|     | Washer Ø 20 mm x Ø 8.8 mm x 1.2 mm | 107B9155 |
|     | Bolt M8 x 40 mm                    | 107B9153 |
|     | Nut M8                             | 107B9154 |
|     | Rubber grommet 19 mm               | 107B9151 |
| III | Sleeve Ø 8.3 mm x 6.7 mm x 0.8 mm  | 112-2088 |
|     | Washer Ø 20 mm x Ø 6.7 mm x 1 mm   | 112-2053 |
|     | Bolt 1/4 x 1 inch, 20 UNC          | 119-3002 |
|     | Nut 1/4 inch, 20 UNC               | 119-3031 |
|     | Rubber grommet 16 mm               | 118-3661 |
| IV  | Sleeve Ø 9.5 mm x 7.9 mm x 0.8 mm  | 112-2085 |
|     | Washer Ø 20 mm x Ø 6.7 mm x 1 mm   | 112-2053 |
|     | Bolt 1/4 x 1 1/4 inch, 20 UNC      | 119-3002 |
|     | Nut 1/4 inch, 20 UNC               | 119-3031 |
|     | Rubber grommet 19 mm               | 118-3666 |
| V   | Steel pin                          | 118-3586 |
|     | Washer Ø 21 x Ø 8.1 mm x 0.9 mm    | 118-3588 |
|     | Clip                               | 118-3585 |
|     | Rubber grommet 16 mm               | 118-3661 |

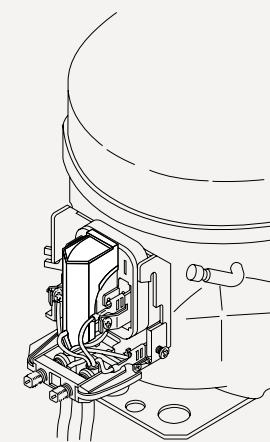
## Symbol drawings



## K-Series · evaporation tray



PTC protection screen



Note (HKK, HMK, HTK, HXK, HZK, and KLF compressors excluded):  
To fulfil the requirements of EN 60335-2-34 the protection screen 103N0476 must be applied to the PTC starting device.

## Flammable refrigerants R600a and R290



R600a (isobutane) and R290 (propane) are hydrocarbons. Hydrocarbon refrigerants are flammable and are only allowed for use in appliances that meet the requirements set out in the latest revision of EN/IEC 60335-2-34.

Do not use the refrigerants R600a or R290 near an open fire. The refrigeration systems must be opened with a tube cutter.

To properly perform maintenance and repair work on R600a or R290 systems, service staff must be properly trained in handling flammable refrigerants.

This includes knowledge of tools, transportation of the compressor and refrigerant, and the relevant regulations and safety precautions when carrying out service and repair work.

Secop compressors that use flammable refrigerants R600a and R290 are equipped with a yellow warning label as shown.



# SECOPI GROUP: AROUND THE WORLD

**SECOPI**

12

international  
partners for  
advanced  
developments

33

laboratories  
located in Austria,  
Germany, Slovakia,  
China, U.S.A., and  
Turkey

160

R&D engineers  
and technicians

440

patents globally

50+

countries with  
customer support



Secop is the expert for advanced hermetic compressor technologies and cooling solutions in commercial refrigeration. We develop high performance stationary and mobile cooling solutions for leading international commercial refrigeration manufacturers and are the first choice when it comes to leading hermetic compressors and electronic controls for refrigeration solutions for light commercial and DC-powered applications.

Secop was formerly known as Danfoss Compressors and is one of the founding fathers of modern compressor technology with years of experience that goes back to the beginning of the 1950s.



**Flensburg:** Sales and R&D



**Turin:** Sales



**Gleisdorf:** R&D



**Zlaté Moravce:** R&D, Logistics, and Manufacturing



**Tianjin:** Sales, R&D, Logistics, and Manufacturing



**Atlanta:** Sales and Logistics



**Stationary  
Cooling**



**Mobile  
Cooling**



**Medical  
Cooling**



**Secop GmbH** · Lise-Meitner-Str. 29 · 24941 Flensburg, Germany · Tel: +49 461 4941 0 · [www.secop.com](http://www.secop.com)

Secop accepts no responsibility for possible errors in catalogs, brochures, and other printed material. Secop reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequent changes being necessary to specifications already agreed. All trademarks in this material are the property of the respective companies. Secop and the Secop logotype are trademarks of Secop GmbH. All rights reserved.

Produced by Secop | August 2024

DES.B.050.L4.02