

## Single Pack BD350GH 24V DC PM

Single pack code number: **195B4186**

| Position | Title                                      | Code     | Amount |
|----------|--|----------|--------|
| 1        | Compressor BD350GH                         | 102Z3016 | 1      |
| 2        | Electronic unit                            | 101N0715 | 1      |
| 3        | Bolt joint for one compressor   M6   ø16mm | 118-1917 | 1      |

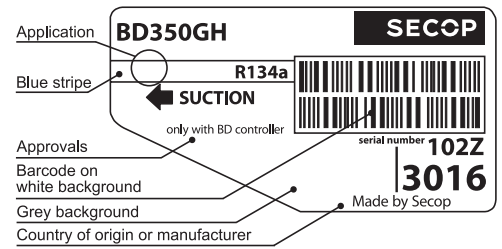
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## BD350GH Direct Current Compressor R134a 24V DC - with 101N07xx Series Controllers



### General

|  |                            |
|--|----------------------------|
| Code number (without electronic units) | 102Z3016                   |
| Electronic unit                        | 101N0715, 36 pcs: 101N0714 |
| Approvals                              | -                          |
| Compressors on pallet                  | 125                        |

### Application

|   |             |  |
|---|-------------|--|
| Application                                       | LBP/MBP/HBP |  |
| Evaporating temperature °C                        | -25 to 15   |  |
| Voltage range VDC                                 | 19 - 31.5   |  |
| Max. condensing temperature continuous (short) °C | 60 (70)     |  |
| Max. winding temperature continuous (short) °C    | 125 (135)   |  |

- S = Static cooling normally sufficient
- O = Oil cooling
- F<sub>1</sub> = Fan cooling 1.5 m/s  
(compressor compartment temperature equal to ambient temperature)
- F<sub>2</sub> = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area

### Cooling requirements

|  |                |                |                |
|--|----------------|----------------|----------------|
| Application  | LBP            | MBP            | HBP            |
| 32°C   | F <sub>1</sub> | F <sub>1</sub> | F <sub>1</sub> |
| 38°C   | F <sub>1</sub> | F <sub>1</sub> | F <sub>1</sub> |
| 43°C   | F <sub>1</sub> | F <sub>1</sub> | F <sub>1</sub> |
| Remarks on application:<br>- evaporator fan max. 60W<br>- condenser fan max. 40W<br>- starting ability: LST (low starting torque) only |                |                |                |

### Motor

|                                     |                |
|-------------------------------------|----------------|
| Motor type                          | variable speed |
| Resistance, all 3 windings (25°C) Ω | 0.2            |

### Design

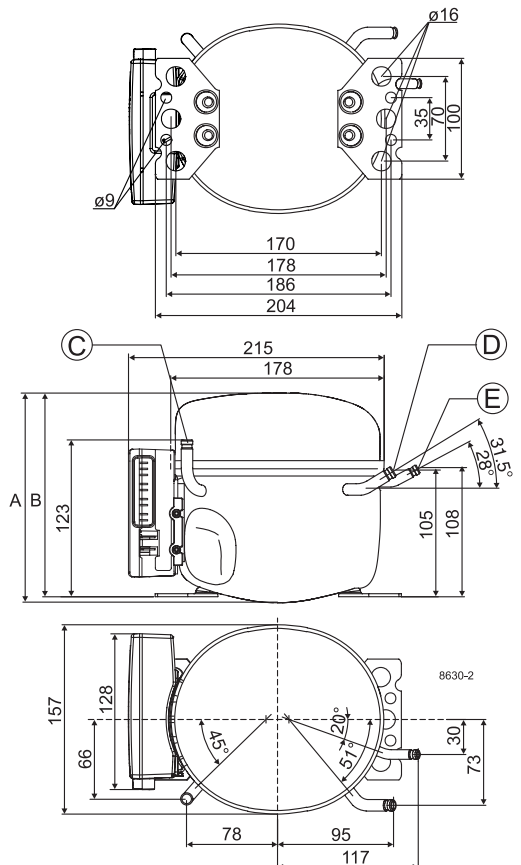
|   |                   |
|---|-------------------|
| Displacement cm <sup>3</sup>                  | 5.08              |
| Oil quantity (type) cm <sup>3</sup>           | 280 (polyolester) |
| Maximum refrigerant charge g                  | 400               |
| Free gas volume in compressor cm <sup>3</sup> | 1690              |
| Weight - Compressor/Electronic unit kg        | 7.9/0.27          |

### Battery protection settings

|                              |            |         |            |
|------------------------------|------------|---------|------------|
| Voltage                      | Min. value | Default | Max. value |
| Cut out (0.1 steps) VDC      | 19.0       | 21.1    | 27.0       |
| Cut in diff. (0.1 steps) VDC | 0.5        | 3.9     | 10.0       |

### Dimensions

|  |                           |                          |
|--|---------------------------|--------------------------|
| Height mm                                    | A                         | 173                      |
|  | B                         | 169                      |
|  | B1                        | -                        |
|  | B2                        | -                        |
| Suction connector location/I.D. mm   angle   | C                         | 6.2   90°                |
|  | material   comment        | Cu-plated steel   Al cap |
| Process connector location/I.D. mm   angle   | D                         | 6.2   31.5°              |
|  | material   comment        | Cu-plated steel   Al cap |
| Discharge connector location/I.D. mm   angle | E                         | 5.0   28°                |
|  | material   comment        | Cu-plated steel   Al cap |
| Connector tolerance I.D. mm                  | ±0.09, on 5.0 +0.12/+0.20 |                          |
| Remarks                                      |                           |                          |



**Capacity (EN 12900 Household/CECOMAF)** 24V DC, fan cooling F<sub>1</sub> watt

|          |      |       |     |     |     |      |     |     |     |     |     |     |
|----------|------|-------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|
| rpm \ °C | -25  | -23.3 | -20 | -15 | -10 | -6.7 | -5  | 0   | 5   | 7.2 | 10  | 15  |
| 2,500    | 84.7 | 93.7  | 113 | 147 | 188 | 219  | 236 | 292 | 358 | 390 | 434 | 520 |
| 3,000    | 101  | 112   | 136 | 176 | 225 | 262  | 283 | 351 | 430 | 468 | 521 | 625 |
| 3,500    | 114  | 126   | 152 | 198 | 254 | 296  | 319 | 396 | 485 | 528 | 588 | 706 |
| 4,000    | 126  | 139   | 169 | 220 | 282 | 329  | 355 | 440 | 540 | 588 | 654 | 786 |

**Capacity (ASHRAE LBP)** 24V DC, fan cooling F<sub>1</sub> watt

|          |     |       |     |     |     |      |     |     |     |     |     |     |
|----------|-----|-------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|
| rpm \ °C | -25 | -23.3 | -20 | -15 | -10 | -6.7 | -5  | 0   | 5   | 7.2 | 10  | 15  |
| 2,500    | 105 | 116   | 140 | 182 | 233 | 271  | 292 | 363 | 445 | 485 | 539 | 648 |
| 3,000    | 126 | 139   | 168 | 219 | 279 | 325  | 351 | 435 | 534 | 582 | 648 | 779 |
| 3,500    | 141 | 156   | 188 | 246 | 314 | 366  | 395 | 491 | 602 | 656 | 731 | 879 |
| 4,000    | 156 | 173   | 209 | 273 | 349 | 407  | 440 | 546 | 670 | 731 | 814 | 979 |

**Power consumption** 24V DC, fan cooling F<sub>1</sub> watt

|          |      |       |      |     |     |      |     |     |     |     |     |     |
|----------|------|-------|------|-----|-----|------|-----|-----|-----|-----|-----|-----|
| rpm \ °C | -25  | -23.3 | -20  | -15 | -10 | -6.7 | -5  | 0   | 5   | 7.2 | 10  | 15  |
| 2,500    | 77.4 | 81.8  | 90.8 | 105 | 120 | 130  | 136 | 152 | 168 | 175 | 184 | 200 |
| 3,000    | 95.5 | 101   | 112  | 129 | 148 | 160  | 167 | 186 | 206 | 215 | 226 | 245 |
| 3,500    | 109  | 115   | 128  | 149 | 171 | 186  | 194 | 217 | 241 | 251 | 264 | 288 |
| 4,000    | 122  | 129   | 144  | 169 | 194 | 212  | 221 | 248 | 276 | 288 | 303 | 330 |

**Current consumption** 24V DC, fan cooling F<sub>1</sub> A

|          |      |       |      |      |      |      |      |       |       |       |       |       |
|----------|------|-------|------|------|------|------|------|-------|-------|-------|-------|-------|
| rpm \ °C | -25  | -23.3 | -20  | -15  | -10  | -6.7 | -5   | 0     | 5     | 7.2   | 10    | 15    |
| 2,500    | 3.23 | 3.41  | 3.78 | 4.38 | 5.01 | 5.43 | 5.66 | 6.32  | 7.00  | 7.29  | 7.67  | 8.33  |
| 3,000    | 3.98 | 4.20  | 4.66 | 5.39 | 6.15 | 6.67 | 6.95 | 7.76  | 8.58  | 8.94  | 9.40  | 10.21 |
| 3,500    | 4.52 | 4.79  | 5.34 | 6.21 | 7.12 | 7.75 | 8.08 | 9.05  | 10.03 | 10.46 | 11.01 | 11.98 |
| 4,000    | 5.07 | 5.38  | 6.02 | 7.03 | 8.10 | 8.82 | 9.20 | 10.34 | 11.48 | 11.99 | 12.63 | 13.75 |

**COP (EN 12900 Household/CECOMAF)** 24V DC, fan cooling F<sub>1</sub> W/W

|          |      |       |      |      |      |      |      |      |      |      |      |      |
|----------|------|-------|------|------|------|------|------|------|------|------|------|------|
| rpm \ °C | -25  | -23.3 | -20  | -15  | -10  | -6.7 | -5   | 0    | 5    | 7.2  | 10   | 15   |
| 2,500    | 1.09 | 1.15  | 1.25 | 1.40 | 1.56 | 1.68 | 1.74 | 1.93 | 2.13 | 2.23 | 2.36 | 2.60 |
| 3,000    | 1.06 | 1.11  | 1.21 | 1.37 | 1.53 | 1.64 | 1.70 | 1.88 | 2.09 | 2.18 | 2.31 | 2.55 |
| 3,500    | 1.05 | 1.09  | 1.19 | 1.33 | 1.48 | 1.59 | 1.65 | 1.82 | 2.01 | 2.10 | 2.22 | 2.45 |
| 4,000    | 1.03 | 1.08  | 1.17 | 1.31 | 1.45 | 1.55 | 1.61 | 1.77 | 1.96 | 2.05 | 2.16 | 2.38 |

**COP (ASHRAE LBP)** 24V DC, fan cooling F<sub>1</sub> W/W

|          |      |       |      |      |      |      |      |      |      |      |      |      |
|----------|------|-------|------|------|------|------|------|------|------|------|------|------|
| rpm \ °C | -25  | -23.3 | -20  | -15  | -10  | -6.7 | -5   | 0    | 5    | 7.2  | 10   | 15   |
| 2,500    | 1.36 | 1.42  | 1.55 | 1.74 | 1.95 | 2.09 | 2.17 | 2.40 | 2.67 | 2.79 | 2.95 | 3.27 |
| 3,000    | 1.32 | 1.38  | 1.51 | 1.70 | 1.90 | 2.04 | 2.12 | 2.35 | 2.61 | 2.73 | 2.89 | 3.20 |
| 3,500    | 1.30 | 1.36  | 1.48 | 1.66 | 1.85 | 1.98 | 2.05 | 2.27 | 2.52 | 2.63 | 2.79 | 3.08 |
| 4,000    | 1.28 | 1.34  | 1.45 | 1.62 | 1.81 | 1.93 | 2.00 | 2.22 | 2.45 | 2.56 | 2.71 | 2.99 |

| Test conditions         | EN 12900/CECOMAF | ASHRAE LBP |
|-------------------------|------------------|------------|
| Condensing temperature  | 55°C             | 54.4°C     |
| Ambient temperature     | 32°C             | 32°C       |
| Suction gas temperature | 32°C             | 32°C       |
| Liquid temperature      | no subcooling    | 32°C       |

**Operational errors**

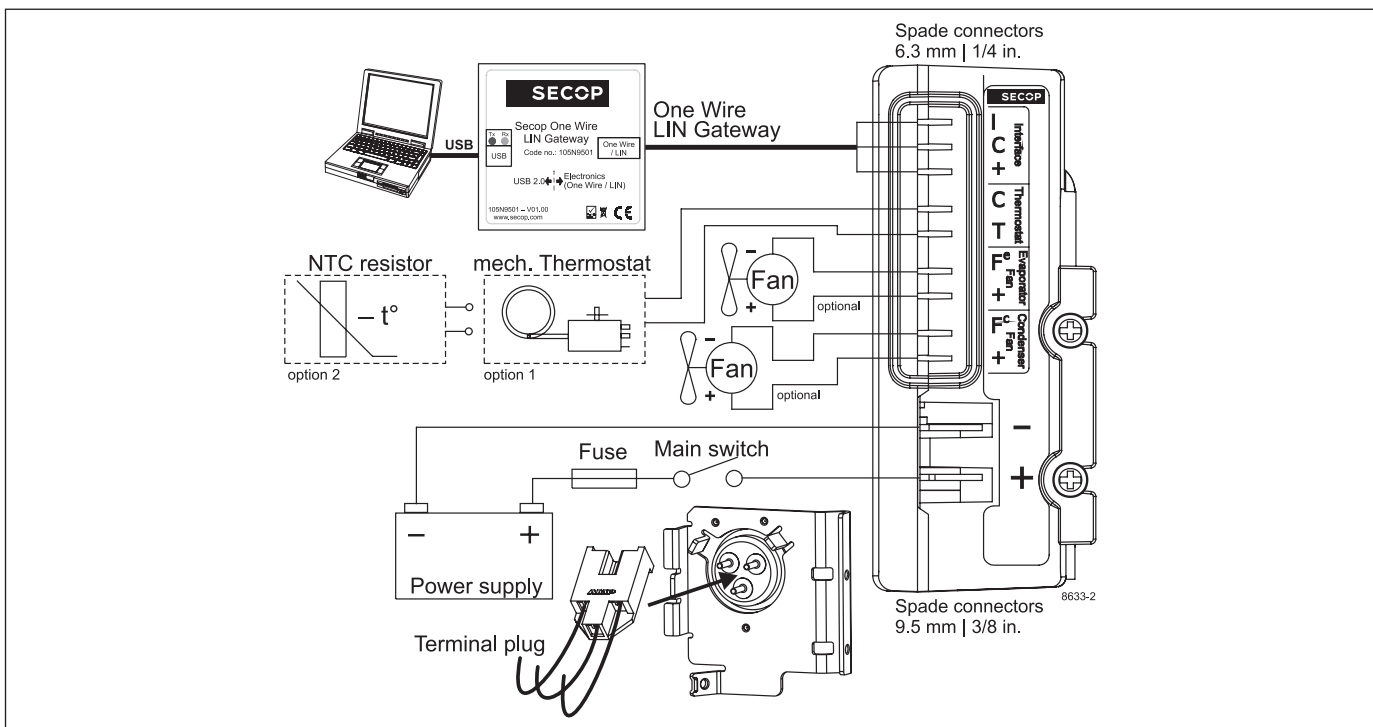
| Error code | Error type  |
|------------|---|
|            | Can be read out in the software <b>TOOL4COOL®</b>   |
| 6          | <b>Thermostat failure</b><br>(If the NTC thermistor is short-circuit or has no connection, the electronic unit will enter manual mode).   |
| 5          | <b>Thermal cut-out of electronic unit</b><br>(If the refrigeration system has been too heavily loaded, or if the ambient temperature is high, the electronic unit will run too hot).                      |
| 4          | <b>Minimum motor speed error</b><br>(If the refrigeration system is too heavily loaded, the motor cannot maintain minimum speed at approximately 1,850 rpm).  |
| 3          | <b>Motor start error</b><br>(The rotor is blocked or the differential pressure in the refrigeration system is too high).  |
| 2          | <b>Fan over-current cut-out</b><br>(The evaporator fan loads the electronic unit with more than 1.8A <sub>peak</sub> / the condenser fan loads the electronic unit with more than 2.5A <sub>peak</sub> ). |
| 1          | <b>Battery protection cut-out</b><br>(The voltage is outside the cut-out setting).  |

**Accessories for BD350GH**

| Mounting                               | Code number |
|--|-------------|
| Bolt joint for one compressor Ø: 16 mm | 118-1917    |
| Bolt joint in quantities Ø: 16 mm      | 118-1918    |
| Snap-on in quantities Ø: 16 mm         | 118-1919    |

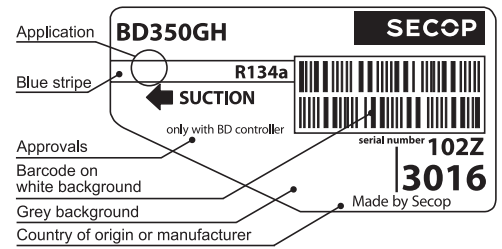
| Electrical (cables, sensors, etc.) | Code number |                    |
|------------------------------------|-------------|--------------------|
|                                    | Single pack | I - Pack           |
| Temperature sensor 470 mm          | 105N9612    | 105N9613, 200 pcs. |
| Temperature sensor 1000 mm         | 105N9614    | 105N9615, 100 pcs. |
| Temperature sensor 1500 mm         | 105N9616    | 105N9617, 100 pcs. |
| One Wire/LIN gateway               | 105N9501    | -                  |
| Comm. cable, 1500 mm               | -           | 105N9545, 100 pcs. |
| Comm. cable, 3000 mm               | -           | 105N9547, 50 pcs.  |

|                            |                   |
|----------------------------|-------------------|
| Not deliverable from Secop |                   |
| Slow-blow fuse             | 30A               |
| Main switch                | rated to min. 50A |



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## BD350GH Direct Current Compressor R134a 24V DC - with 101N08xx Series Controllers



### General

|  |                            |
|--|----------------------------|
| Code number (without electronic units) | 102Z3016                   |
| Compressor module                      | 101N0810, 30 pcs: 101N0811 |
| Application module                     | 101N0820, 30 pcs: 101N0821 |
| Approvals                              | -                          |
| Compressors on pallet                  | 125                        |

### Application

|  |             |           |
|--|-------------|-----------|
| Application                                    | LBP/MBP/HBP |           |
| Evaporating temperature                        | °C          | -25 to 15 |
| Voltage range                                  | VDC         | 19 - 31.5 |
| Max. condensing temperature continuous (short) | °C          | 60 (70)   |
| Max. winding temperature continuous (short)    | °C          | 125 (135) |

- S = Static cooling normally sufficient
- O = Oil cooling
- F<sub>1</sub> = Fan cooling 1.5 m/s  
(compressor compartment temperature equal to ambient temperature)
- F<sub>2</sub> = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area

### Cooling requirements

| Application | LBP            | MBP            | HBP            |
|-------------|----------------|----------------|----------------|
| 32°C        | F <sub>1</sub> | F <sub>1</sub> | F <sub>1</sub> |
| 38°C        | F <sub>1</sub> | F <sub>1</sub> | F <sub>1</sub> |
| 43°C        | F <sub>1</sub> | F <sub>1</sub> | F <sub>1</sub> |

Remarks on application:  
 - evaporator fan max. 200W  
 - condenser fan max. 100W  
 - starting ability: LST (low starting torque) only

### Motor

|                                   |                |
|-----------------------------------|----------------|
| Motor type                        | Variable speed |
| Resistance, all 3 windings (25°C) | Ω 0.2          |

### Design

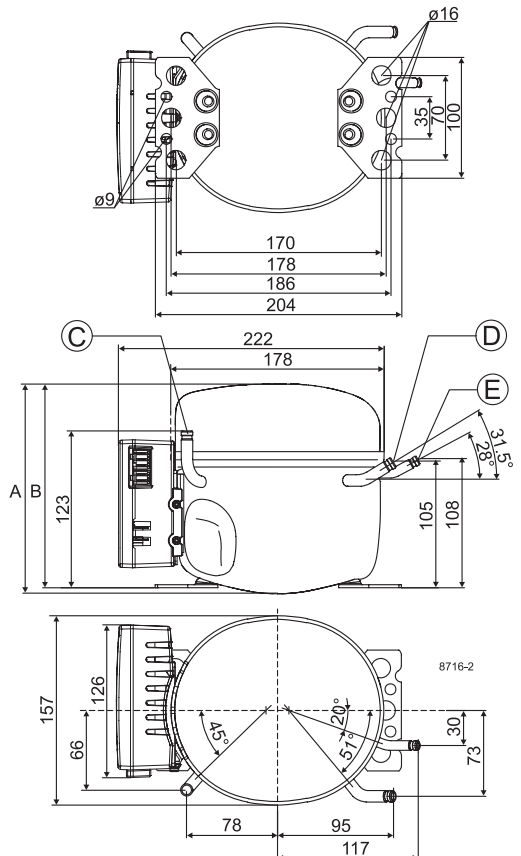
|                                     |                 |                             |
|-------------------------------------|-----------------|-----------------------------|
| Displacement                        | cm <sup>3</sup> | 5.08                        |
| Oil quantity (type)                 | cm <sup>3</sup> | 280 (polyolester)           |
| Maximum refrigerant charge          | g               | 400                         |
| Free gas volume in compressor       | cm <sup>3</sup> | 1690                        |
| Weight - Compressor/Electronic unit | kg              | 7.9 / 0.25 / 0.28 (101N820) |

### Battery protection settings

| Voltage                  | Min. value | Default | Max. value |
|--------------------------|------------|---------|------------|
| Cut out (0.1 steps)      | VDC 19.0   | 21.1    | 27.0       |
| Cut in diff. (0.1 steps) | VDC 0.5    | 3.9     | 10.0       |

### Dimensions

| Height              | mm                       | A  | 173                       |
|---------------------|--------------------------|----|---------------------------|
|                     |                          | B  | 169                       |
|                     |                          | B1 | -                         |
|                     |                          | B2 | -                         |
| Suction connector   | location/I.D. mm   angle | C  | 6.2   90°                 |
|                     | material   comment       |    | Cu-plated steel   Al cap  |
| Process connector   | location/I.D. mm   angle | D  | 6.2   31.5°               |
|                     | material   comment       |    | Cu-plated steel   Al cap  |
| Discharge connector | location/I.D. mm   angle | E  | 5.0   28°                 |
|                     | material   comment       |    | Cu-plated steel   Al cap  |
| Connector tolerance | I.D. mm                  |    | ±0.09, on 5.0 +0.12/+0.20 |



| Capacity (EN 12900 Household/CECOMAF)   |      |       |     |     |     |      |     |     |     |     |     |     |
|---|------|-------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|
| 24V DC, fan cooling F <sub>1</sub> watt |      |       |     |     |     |      |     |     |     |     |     |     |
| rpm \ °C                                | -25  | -23.3 | -20 | -15 | -10 | -6.7 | -5  | 0   | 5   | 7.2 | 10  | 15  |
| 2,500                                   | 84.7 | 93.7  | 113 | 147 | 188 | 219  | 236 | 292 | 358 | 390 | 434 | 520 |
| 3,000                                   | 101  | 112   | 136 | 176 | 225 | 262  | 283 | 351 | 430 | 468 | 521 | 625 |
| 3,500                                   | 114  | 126   | 152 | 198 | 254 | 296  | 319 | 396 | 485 | 528 | 588 | 706 |
| 4,000                                   | 126  | 139   | 169 | 220 | 282 | 329  | 355 | 440 | 540 | 588 | 654 | 786 |

| Capacity (ASHRAE LBP)                   |     |       |     |     |     |      |     |     |     |     |     |     |
|---|-----|-------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|
| 24V DC, fan cooling F <sub>1</sub> watt |     |       |     |     |     |      |     |     |     |     |     |     |
| rpm \ °C                                | -25 | -23.3 | -20 | -15 | -10 | -6.7 | -5  | 0   | 5   | 7.2 | 10  | 15  |
| 2,500                                   | 105 | 116   | 140 | 182 | 233 | 271  | 292 | 363 | 445 | 485 | 539 | 648 |
| 3,000                                   | 126 | 139   | 168 | 219 | 279 | 325  | 351 | 435 | 534 | 582 | 648 | 779 |
| 3,500                                   | 141 | 156   | 188 | 246 | 314 | 366  | 395 | 491 | 602 | 656 | 731 | 879 |
| 4,000                                   | 156 | 173   | 209 | 273 | 349 | 407  | 440 | 546 | 670 | 731 | 814 | 979 |

| Power consumption                       |      |       |      |     |     |      |     |     |     |     |     |     |
|---|------|-------|------|-----|-----|------|-----|-----|-----|-----|-----|-----|
| 24V DC, fan cooling F <sub>1</sub> watt |      |       |      |     |     |      |     |     |     |     |     |     |
| rpm \ °C                                | -25  | -23.3 | -20  | -15 | -10 | -6.7 | -5  | 0   | 5   | 7.2 | 10  | 15  |
| 2,500                                   | 77.4 | 81.8  | 90.8 | 105 | 120 | 130  | 136 | 152 | 168 | 175 | 184 | 200 |
| 3,000                                   | 95.5 | 101   | 112  | 129 | 148 | 160  | 167 | 186 | 206 | 215 | 226 | 245 |
| 3,500                                   | 109  | 115   | 128  | 149 | 171 | 186  | 194 | 217 | 241 | 251 | 264 | 288 |
| 4,000                                   | 122  | 129   | 144  | 169 | 194 | 212  | 221 | 248 | 276 | 288 | 303 | 330 |

| Current consumption                  |      |       |      |      |      |      |      |       |       |       |       |       |
|--------------------------------------|------|-------|------|------|------|------|------|-------|-------|-------|-------|-------|
| 24V DC, fan cooling F <sub>1</sub> A |      |       |      |      |      |      |      |       |       |       |       |       |
| rpm \ °C                             | -25  | -23.3 | -20  | -15  | -10  | -6.7 | -5   | 0     | 5     | 7.2   | 10    | 15    |
| 2,500                                | 3.23 | 3.41  | 3.78 | 4.38 | 5.01 | 5.43 | 5.66 | 6.32  | 7.00  | 7.29  | 7.67  | 8.33  |
| 3,000                                | 3.98 | 4.20  | 4.66 | 5.39 | 6.15 | 6.67 | 6.95 | 7.76  | 8.58  | 8.94  | 9.40  | 10.21 |
| 3,500                                | 4.52 | 4.79  | 5.34 | 6.21 | 7.12 | 7.75 | 8.08 | 9.05  | 10.03 | 10.46 | 11.01 | 11.98 |
| 4,000                                | 5.07 | 5.38  | 6.02 | 7.03 | 8.10 | 8.82 | 9.20 | 10.34 | 11.48 | 11.99 | 12.63 | 13.75 |

| COP (EN 12900 Household/CECOMAF)       |      |       |      |      |      |      |      |      |      |      |      |      |
|--|------|-------|------|------|------|------|------|------|------|------|------|------|
| 24V DC, fan cooling F <sub>1</sub> W/W |      |       |      |      |      |      |      |      |      |      |      |      |
| rpm \ °C                               | -25  | -23.3 | -20  | -15  | -10  | -6.7 | -5   | 0    | 5    | 7.2  | 10   | 15   |
| 2,500                                  | 1.09 | 1.15  | 1.25 | 1.40 | 1.56 | 1.68 | 1.74 | 1.93 | 2.13 | 2.23 | 2.36 | 2.60 |
| 3,000                                  | 1.06 | 1.11  | 1.21 | 1.37 | 1.53 | 1.64 | 1.70 | 1.88 | 2.09 | 2.18 | 2.31 | 2.55 |
| 3,500                                  | 1.05 | 1.09  | 1.19 | 1.33 | 1.48 | 1.59 | 1.65 | 1.82 | 2.01 | 2.10 | 2.22 | 2.45 |
| 4,000                                  | 1.03 | 1.08  | 1.17 | 1.31 | 1.45 | 1.55 | 1.61 | 1.77 | 1.96 | 2.05 | 2.16 | 2.38 |

| COP (ASHRAE LBP)                       |      |       |      |      |      |      |      |      |      |      |      |      |
|--|------|-------|------|------|------|------|------|------|------|------|------|------|
| 24V DC, fan cooling F <sub>1</sub> W/W |      |       |      |      |      |      |      |      |      |      |      |      |
| rpm \ °C                               | -25  | -23.3 | -20  | -15  | -10  | -6.7 | -5   | 0    | 5    | 7.2  | 10   | 15   |
| 2,500                                  | 1.36 | 1.42  | 1.55 | 1.74 | 1.95 | 2.09 | 2.17 | 2.40 | 2.67 | 2.79 | 2.95 | 3.27 |
| 3,000                                  | 1.32 | 1.38  | 1.51 | 1.70 | 1.90 | 2.04 | 2.12 | 2.35 | 2.61 | 2.73 | 2.89 | 3.20 |
| 3,500                                  | 1.30 | 1.36  | 1.48 | 1.66 | 1.85 | 1.98 | 2.05 | 2.27 | 2.52 | 2.63 | 2.79 | 3.08 |
| 4,000                                  | 1.28 | 1.34  | 1.45 | 1.62 | 1.81 | 1.93 | 2.00 | 2.22 | 2.45 | 2.56 | 2.71 | 2.99 |

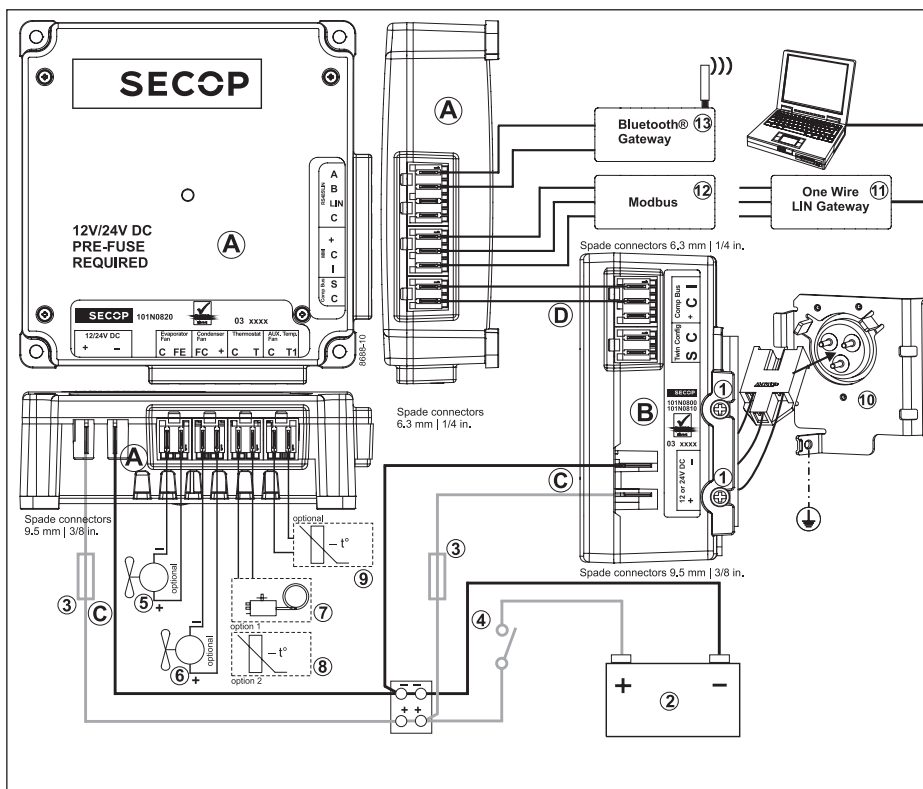
| Test conditions         | EN 12900/CECOMAF | ASHRAE LBP |
|-------------------------|------------------|------------|
| Condensing temperature  | 55°C             | 54.4°C     |
| Ambient temperature     | 32°C             | 32°C       |
| Suction gas temperature | 32°C             | 32°C       |
| Liquid temperature      | no subcooling    | 32°C       |

| Error code | Error type   |
|------------|--|
|            | Can be read out in the software <b>TOOL4COOL®</b>  |
| 6          | <b>Thermostat failure</b><br>(If the NTC thermistor is short-circuit or has no connection, the electronic unit will enter manual mode).  |
| 5          | <b>Thermal cut-out of electronic unit</b><br>(If the refrigeration system has been too heavily loaded, or if the ambient temperature is high, the electronic unit will run too hot). |
| 4          | <b>Minimum motor speed error</b><br>(If the refrigeration system is too heavily loaded, the motor cannot maintain minimum speed at approximately 1,850 rpm).                         |
| 3          | <b>Motor start error</b><br>(The rotor is blocked or the differential pressure in the refrigeration system is too high).   |
| 2          | <b>Fan over-current cut-out</b><br>(The fan loads the electronic unit with too high current).  |
| 1          | <b>Battery protection cut-out</b><br>(The voltage is outside the cut-out setting).   |

| Accessories for BD350GH                |             |
|--|-------------|
| Mounting                               | Code number |
| Bolt joint for one compressor Ø: 16 mm | 118-1917    |
| Bolt joint in quantities Ø: 16 mm      | 118-1918    |
| Snap-on in quantities Ø: 16 mm         | 118-1919    |

| Electrical (cables, sensors, etc.)       | Code number |                    |
|--|-------------|--------------------|
|  | Single pack | I - Pack           |
| One Wire/LIN gateway communication cable | 105N9501    | -                  |
| Bluetooth® gateway communication cable   | 105N9502    | -                  |
| Temperature sensor 470 mm                | 105N9612    | 105N9613, 200 pcs. |
| Temperature sensor 1000 mm               | 105N9614    | 105N9615, 100 pcs. |
| Temperature sensor 1500 mm               | 105N9616    | 105N9617, 100 pcs. |
| Comm. cable, 1500 mm                     | -           | 105N9553, 80 pcs.  |
| Comm. cable, 3000 mm                     | -           | 105N9554, 45 pcs.  |
| Display cable, 1500 mm                   | -           | 105N9557, 65 pcs.  |
| Display cable, 3000 mm                   | -           | 105N9558, 35 pcs.  |

|                                   |                    |
|-----------------------------------|--------------------|
| Not deliverable from Secop        |                    |
| Slow-blow fuse compressor module  | 60A                |
| Slow-blow fuse application module | 30A                |
| Main switch                       | rated to min. 100A |



Legend, see **Intructions** for details.

- A) Application module **101N0820**
- B) Compressor module **101N0810**, 24 V DC
- C) Supply cables
- D) Compressor communication cable assembly

- 1) Mounting screws
- 2) Battery
- 3) Fuse
- 4) Main switch
- 5) Evaporator fan
- 6) Condenser fan
- 7) Mechanical thermostat
- 8) NTC temperature sensor
- 9) NTC auxiliary temperature sensor
- 10) Compressor(s)
- 11) One Wire/LIN gateway comm. interface
- 12) Modbus-compatible device
- 13) Bluetooth® gateway comm. interface

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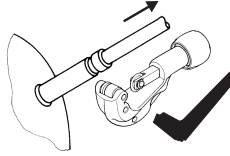
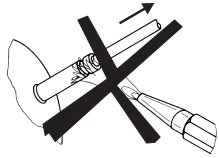
Instructions for Electronic Units  
are available for download on  
[www.secop.com](http://www.secop.com)



# BD Compressors



## Service/Repair



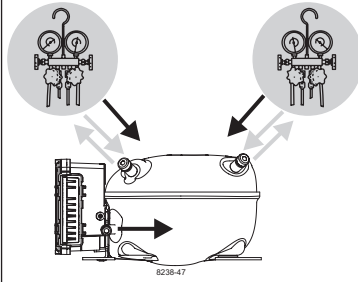
### BD Nano



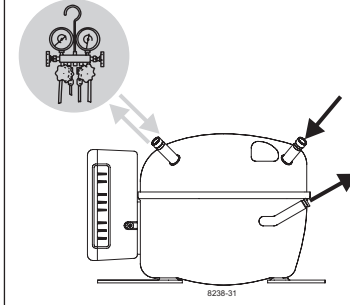
**! max. 150°C/302°F !  
at socket**  
brazing solder: silver with flux

Do not heat up the bottom of the discharge connector directly.  
Do not braze longer than 10 seconds and wait for 5 minutes for the next soldering attempt (Product Bulletin DES.N.101.M1).

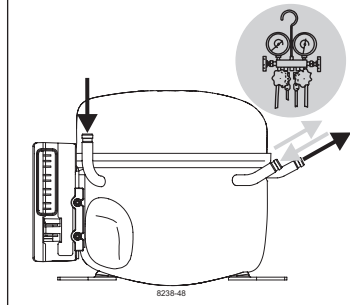
### BD Micro



### BD P-Housing



### BD T-Housing



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