

Single Pack SC18G 208-230V 60Hz CSCR

Single pack code number: **195B4514**

| Position | Title | Code | Amount |
|----------|--|----------|--------|
| 1 | Compressor SC18G | 104G8823 | 1 |
| 2 | SC starting device (550mm) | 117-7029 | 1 |
| 3 | Cord relief | 103N1004 | 1 |
| 4 | Cover | 103N2009 | 1 |
| 5 | Bolt joint for one compressor M6 ø16mm | 118-1917 | 1 |

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SC18G Standard Compressor R134a 208-230V 60Hz

General

| | |
|-----------------------|-----------|
| Code number | 104G8823 |
| Approvals | UL984, KC |
| Compressors on pallet | 80 |

Application

| Application | MBP | | | |
|--|-----|----|-----------|--|
| Frequency | Hz | 50 | 60 | |
| Evaporating temperature | °C | – | -20 to 10 | |
| Voltage range | V | – | 187 - 254 | |
| Max. condensing temperature continuous (short) | °C | – | 60 (70) | |
| Max. winding temperature continuous (short) | °C | – | 125 (135) | |

Cooling requirements

| Frequency | Hz | 50 | | | 60 | | |
|-------------------------|----|-----|-----|-----|-----|----------------|-----|
| Application | | LBP | MBP | HBP | LBP | MBP | HBP |
| 32°C | | – | – | – | – | F ₂ | – |
| 38°C | | – | – | – | – | F ₂ | – |
| 43°C | | – | – | – | – | F ₂ | – |
| Remarks on application: | | | | | | | |

Motor

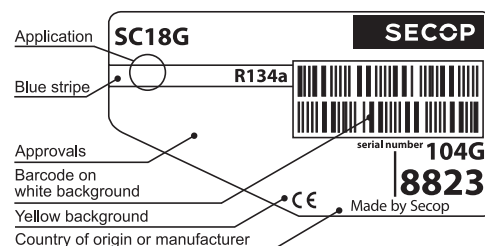
| Motor type | CSR | | |
|---|-----|------|------|
| LRA (rated after 4 sec. UL984), HST LST | A | 21.8 | – |
| Cut in Current, HST LST | A | 21.8 | – |
| Resistance, main start winding (25°C) | Ω | 3.5 | 12.1 |

Design

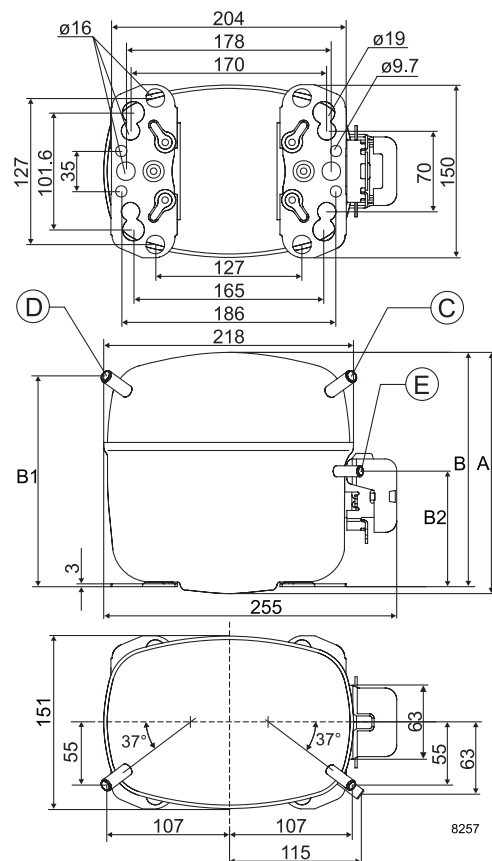
| | | |
|-------------------------------------|-----------------|-------------------|
| Displacement | cm ³ | 17.69 |
| Oil quantity (type) | cm ³ | 550 (polyolester) |
| Maximum refrigerant charge | g | 1300 |
| Free gas volume in compressor | cm ³ | 1460 |
| Weight without electrical equipment | kg | 13.7 |

Dimensions

| | | | |
|----------------------|--------------------------|----------------------|------------|
| Height | mm | A | 219 |
| | | B | 213 |
| | | B1 | 19 |
| | | B2 | 110 |
| Suction connector | location/I.D. mm angle | C | 10.2 37° |
| | material comment | Copper Rubber plug | |
| Process connector | location/I.D. mm angle | D | 6.5 37° |
| | material comment | Copper Rubber plug | |
| Discharge connector | location/I.D. mm angle | E | 6.5 37° |
| | material comment | Copper Rubber plug | |
| Oil cooler connector | location/I.D. mm angle | F | — |
| | material comment | — | |
| Connector tolerance | I.D. mm | ±0.09 | |
| Remarks: | | | |



- S = Static cooling normally sufficient
- O = Oil cooling
- F₁ = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)
- F₂ = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area

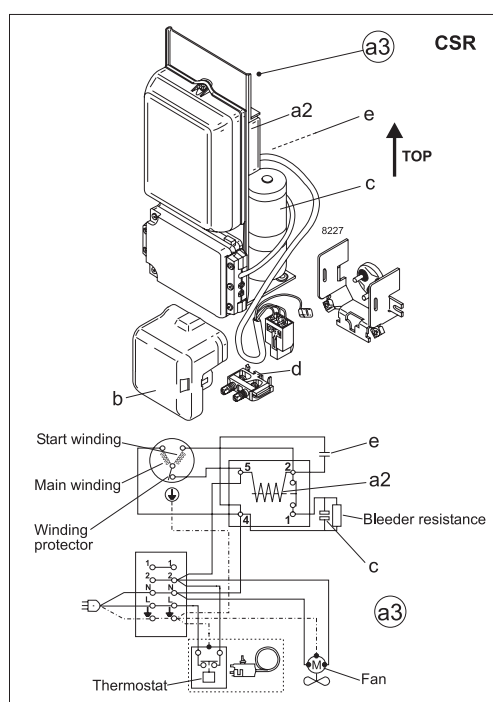


EN 12900 Household (CECOMAF) 230V, 60Hz, fan cooling F₂

| | | | | | | | | | | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-------|------|------|------|------|------|------|------|------|------|----|----|
| Evap. temp. in °C | -45 | -40 | -35 | -30 | -25 | -23.3 | -20 | -15 | -10 | -6.7 | -5 | 0 | 5 | 7.2 | 10 | 15 | 20 |
| Capacity in W | | | | | | | 432 | 573 | 745 | 879 | 955 | 1207 | 1506 | 1654 | 1858 | | |
| Power cons. in W | | | | | | | 393 | 449 | 511 | 554 | 577 | 643 | 708 | 736 | 770 | | |
| Current cons. in A | | | | | | | 1.83 | 2.14 | 2.45 | 2.65 | 2.75 | 3.05 | 3.35 | 3.48 | 3.65 | | |
| COP in W/W | | | | | | | 1.10 | 1.27 | 1.46 | 1.59 | 1.66 | 1.88 | 2.13 | 2.25 | 2.41 | | |

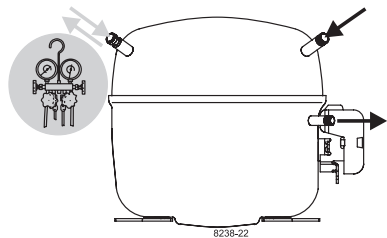
ASHRAE MBP 230V, 60Hz, fan cooling F₂

| | | | | | | | | | | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-------|------|------|------|------|------|------|------|------|------|----|----|
| Evap. temp. in °C | -45 | -40 | -35 | -30 | -25 | -23.3 | -20 | -15 | -10 | -6.7 | -5 | 0 | 5 | 7.2 | 10 | 15 | 20 |
| Capacity in W | | | | | | | 476 | 630 | 820 | 967 | 1050 | 1328 | 1657 | 1820 | 2045 | | |
| Power cons. in W | | | | | | | 392 | 449 | 510 | 553 | 575 | 641 | 705 | 733 | 766 | | |
| Current cons. in A | | | | | | | 1.84 | 2.15 | 2.45 | 2.65 | 2.75 | 3.05 | 3.34 | 3.47 | 3.63 | | |
| COP in W/W | | | | | | | 1.21 | 1.40 | 1.61 | 1.75 | 1.83 | 2.07 | 2.35 | 2.48 | 2.67 | | |



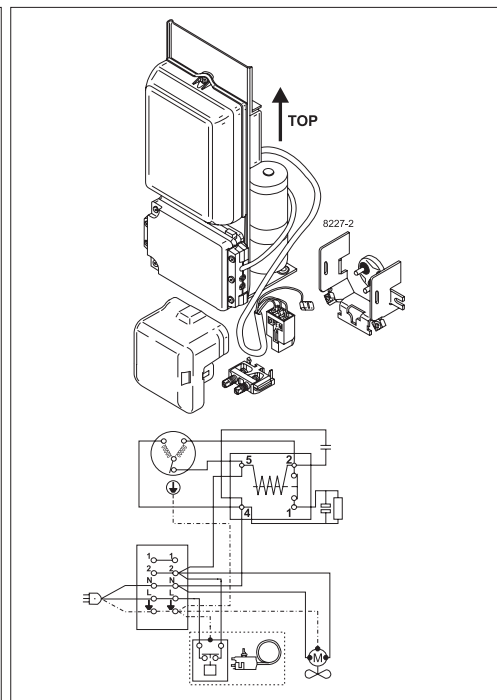
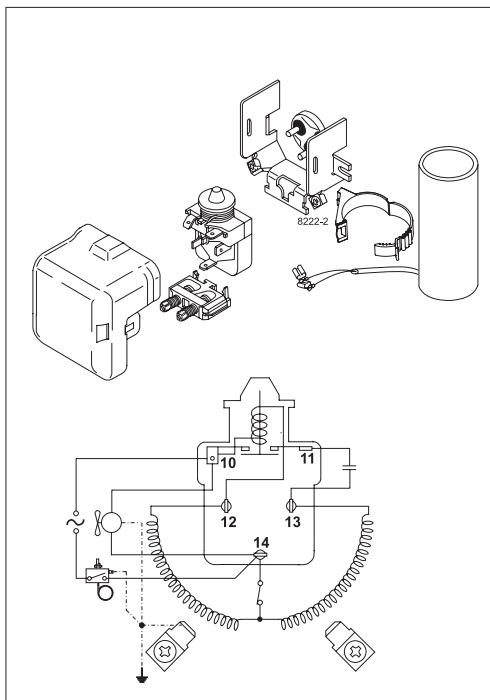
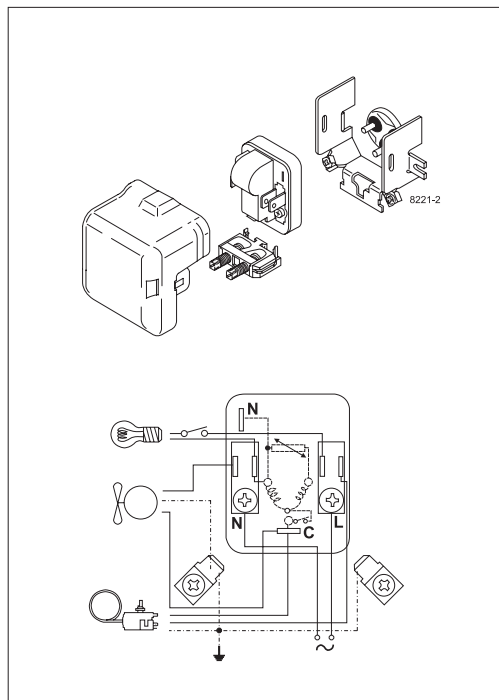
| Accessories for | SC18G | Figure | Code number | Test conditions | EN 12900/CECOMAF | ASHRAE MBP | | | | | | | | | | | | |
|--------------------------|----------------------|-------------|-------------------------------|--|------------------|------------|----------------------|--|-------------|--------------------------|----------|----------|--------------------------|----------|----------|-----------------------|----------|----------|
| Sarting device | 550 mm cable length | a3 | 117-7039 | Condensing temperature | 55°C | 54.4°C | | | | | | | | | | | | |
| | 1000 mm cable length | | 117-7043 | Ambient temperature | 32°C | 35°C | | | | | | | | | | | | |
| Cover | | b | 103N2008 | Suction gas temperature | 32°C | 35°C | | | | | | | | | | | | |
| Starting relay | | a2 | Components of starting device | Liquid temperature | no subcooling | 46.1°C | | | | | | | | | | | | |
| Starting capacitor | | c | | | | | | | | | | | | | | | | |
| Run capacitor | | e | | | | | | | | | | | | | | | | |
| Cord relief | | d | 103N1004 | | | | | | | | | | | | | | | |
| | | | | <table><tr><th colspan="2">Mounting accessories</th><th>Code number</th></tr><tr><td>Bolt joint for one comp.</td><td>Ø: 16 mm</td><td>118-1917</td></tr><tr><td>Bolt joint in quantities</td><td>Ø: 16 mm</td><td>118-1918</td></tr><tr><td>Snap-on in quantities</td><td>Ø: 16 mm</td><td>118-1919</td></tr></table> | | | Mounting accessories | | Code number | Bolt joint for one comp. | Ø: 16 mm | 118-1917 | Bolt joint in quantities | Ø: 16 mm | 118-1918 | Snap-on in quantities | Ø: 16 mm | 118-1919 |
| Mounting accessories | | Code number | | | | | | | | | | | | | | | | |
| Bolt joint for one comp. | Ø: 16 mm | 118-1917 | | | | | | | | | | | | | | | | |
| Bolt joint in quantities | Ø: 16 mm | 118-1918 | | | | | | | | | | | | | | | | |
| Snap-on in quantities | Ø: 16 mm | 118-1919 | | | | | | | | | | | | | | | | |

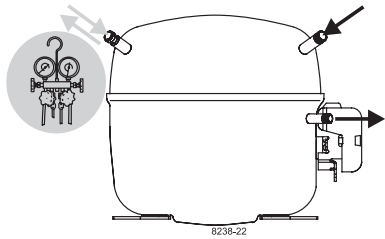
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SC Compressors

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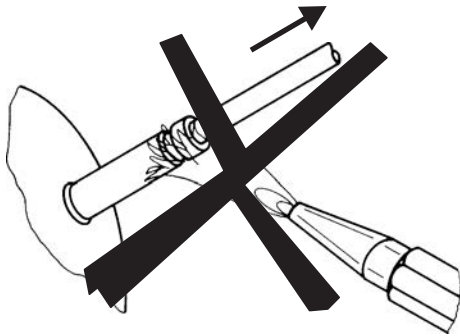




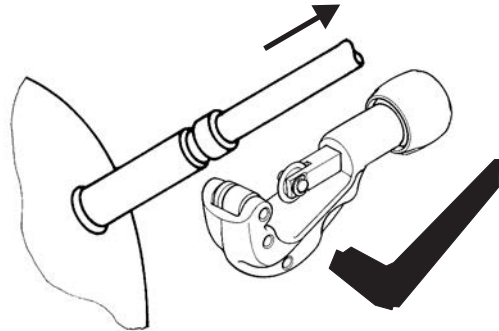
SC Compressors

Service/Repair – R290

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