Single Packs



Single Pack TLS5F 220-240V 50Hz RSIR

Single pack code number: 195B4399

| Position | Title | Code | Amount |
|----------|--|----------|--------|
| 1 | Compressor TLS5F | 102G4520 | 1 |
| 2 | PTC starting device (220V, 250hm, 6.3mm) | 103N0011 | 1 |
| 3 | Protection screen for PTC | 103N0476 | 1 |
| 4 | Cord relief | 103N1010 | 1 |
| 5 | Cover | 103N2010 | 1 |
| 6 | Bolt joint for one compressor M6 ø16mm | 118-1917 | 1 |

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TLS5F Standard Compressor R134a 220-240V 50Hz

General

| Code number | 102G4520 |
|-----------------------|---------------------------|
| Approvals | EN 60335-2-34 w. Annex AA |
| Compressors on pallet | 125 |

Application

| Application | LE | 3P | |
|--|----|------------|----|
| Frequency | Hz | 50 | 60 |
| Evaporating temperature | °C | -35 to -10 | _ |
| Voltage range | V | 198 - 254 | _ |
| Max. condensing temperature continuous (short) | °C | 60 (70) | _ |
| Max. winding temperature continuous (short) | °C | 125 (135) | _ |

Cooling requirements

| Application | LBP | MBP | НВР | LDD | | 1 |
|-------------|-----|-----|-----|-----|-----|-----|
| | | | | LBP | MBP | HBP |
| 32°C | S | _ | _ | _ | _ | _ |
| 38°C | S | _ | _ | - | _ | _ |
| 43°C | - | _ | _ | _ | _ | _ |

Remarks on application:

Application TLS5F Blue stripe R134a SUCTION Approvals Barcode on white background Yellow background Country of origin or manufacturer SECOP R134a Serial number 102G 4520 Made by Secop

S = Static cooling normally sufficient

= 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 sufficent

= not applicable in this area

Motor

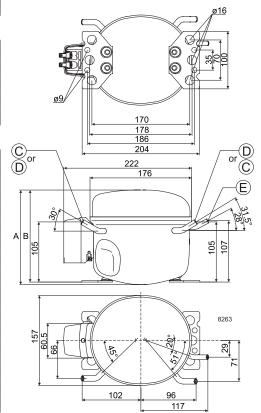
| Motor type | RSIR | /CSIR | |
|---|------|-------|-----|
| LRA (rated after 4 sec. UL984), HST LST | 5.8 | 4.7 | |
| Cut in Current, HST LST | Α | 5.8 | 8.7 |
| Resistance, main start winding (25°C) | 16.0 | 17.0 | |

Design

| Displacement | cm ³ | 5.08 |
|-------------------------------------|-----------------|-------------------|
| Oil quantity (type) | cm ³ | 180 (polyolester) |
| Maximum refrigerant charge | g | 400 |
| Free gas volume in compressor | cm ³ | 1790 |
| Weight without electrical equipment | kg | 7.3 |

Dimensions

| Height | mm | Α | 173 |
|----------------------|--------------------------|----|--------------------------|
| | | В | 169 |
| | | В1 | _ |
| | | B2 | _ |
| Suction connector | location/I.D. mm angle | С | 6.2 30° |
| | material comment | | Copper Rubber plug |
| Process connector | location/I.D. mm angle | D | 6.2 31.5° |
| | material comment | | Copper Rubber plug |
| Discharge connector | location/I.D. mm angle | Е | 5.0 28° |
| | material comment | | Copper Rubber plug |
| Oil cooler connector | location/I.D. mm angle | F | _ |
| | material comment | | _ |
| Connector tolerance | I.D. mm | ±0 | 0.09, on 5.0 +0.12/+0.20 |
| Remarks: | | | |

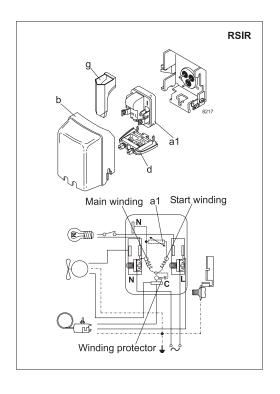


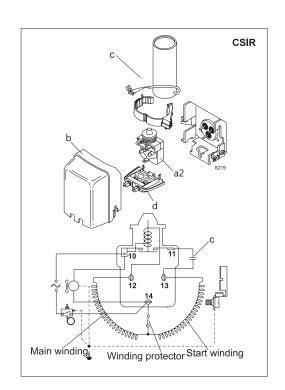
EN 12900 Household (CECOMAF) 220V, 50Hz, static cooling, PTC consumption incl.

| 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 | | | 47.8 | 70.7 | 98.0 | 109 | 131 | 170 | 216 | | | | | | | | |
| Power cons. in W | | | 82.7 | 97.1 | 112 | 117 | 128 | 144 | 162 | | | | | | | | |
| Current cons. in A | | | 0.96 | 0.98 | 1.01 | 1.02 | 1.05 | 1.10 | 1.15 | | | | | | | | |
| COP in W/W | | | 0.58 | 0.73 | 0.88 | 0.93 | 1.02 | 1.18 | 1.33 | | | | | | | | |

| ASHRAE LBP | 220V, 50Hz, static cooling, PTC consumption incl. |
|------------|---|
| | |

| 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 | | | 58.9 | 87.2 | 121 | 134 | 161 | 209 | 267 | | | | | | | | |
| Power cons. in W | | | 82.7 | 97.1 | 112 | 117 | 128 | 144 | 162 | | | | | | | | |
| Current cons. in A | | | 0.96 | 0.98 | 1.01 | 1,02 | 1.05 | 1.10 | 1.15 | | | | | | | | |
| COP in W/W | | | 0.71 | 0.90 | 1.08 | 1.14 | 1.26 | 1.45 | 1.65 | | | | | | | | |





| Accessories for | TLS5F | Figure | Code number |
|--------------------------|-------------------------|--------|-------------|
| PTC starting device | 6.3 mm spade connectors | -4 | 103N0011 |
| | 4.8 mm spade connectors | a1 | 103N0018 |
| Starting relay | 6.3 mm spade connectors | a2 | 117U6004 |
| Start capacitor 60 µF | 6.3 mm spade connectors | С | 117U5014 |
| Cover | | b | 103N2010 |
| Cord relief | | d | 103N1010 |
| Protection screen for P7 | ГС | g | 103N0476 |

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

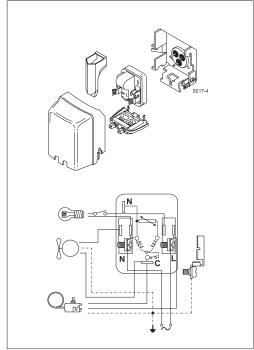
| Mounting accessories | | Code number |
|--------------------------|----------|-------------|
| Bolt joint for one comp. | Ø: 16 mm | 118-1917 |
| Bolt joint in quantities | Ø: 16 mm | 118-1918 |
| Snap-on in quantities | Ø: 16 mm | 118-1919 |

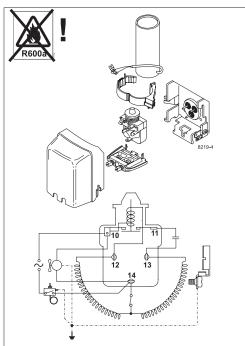
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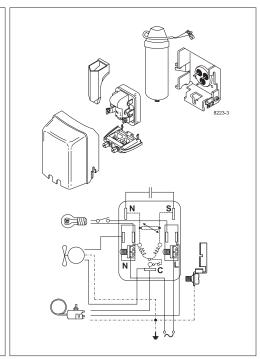


TL Compressors









December 2017

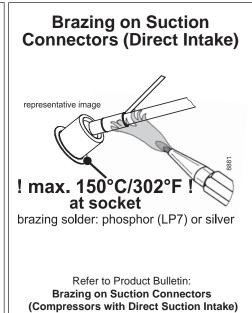
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