Single
Packs

# Single Pack FRK11G 220-240V 50Hz / 208-230V 60Hz CSIR

Single pack code number: **195B4772**

| Position | Title | Code | Amount |
|---|---|---|---|
| 1 | Compressor FRK11G | 106G5953 | 1 |
| 2 | Starting relay (QLZ-5.5A, overload protector T0377/L6) | 117U7071 | 1 |
| 3 | Starting capacitor (80µF 220V, 6.3mm) | 117U5001 | 1 |
| 4 | KL accessories | 103N1060 | 1 |
| 5 | Bolt joint for one compressor \| M6 \| ø16mm | 118-1917 | 1 |

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**Model**
**FRK11G**

Sales code:
**106G5953**

## Compressor Data

| | |
|---|---|
| Refrigerant(s) | **R134a / R513A** |
| Refr. charge - tech. limit | **700g / 24.69oz** |
| Weight | **9.70 kg / 21.38lbs** |
| Displacement | **8.60 cm3 / 0.52cu.in** |
| Compressors on pallet | **100** |

## General – Configurations With FRK11G

| – | Conf. 1 | Conf. 2 | Conf. 3 | Conf. 4 |
|---|---|---|---|---|
| Motor configuration | CSIR | CSIR | CSIR | CSIR |
| Power supply (nominal) | 220-240 V/50 Hz | 208-230 V/60 Hz | 220-240 V/50 Hz | 208-230 V/60 Hz |
| Number of phases | 1 | 1 | 1 | 1 |
| Voltage range | 187-254 V | 198-253 V | 187-254 V | 198-253 V |
| Approvals | VDE, CB, UL | VDE, CB, UL | VDE, CB, UL | VDE, CB, UL |
| Starting torque | HST | HST | HST | HST |
| Refrigerant | R134a | R134a | R513A | R513A |
| Application | LBP+MBP+HBP | LBP+MBP | LBP+MBP+HBP | LBP+MBP |
| Hot gas defrost | OK | OK | OK | OK |
| Long interval pull down | OK | OK | OK | OK |

## Application Notes

- Provision for PE Grounding is located at the PE Stamp on the compressor
- Suctiongas connector and Process connector can be switched (minor loss of cooling capacity)
- Very good robustness against liquid intake.
- Ice-cube maker optimization - indirect suction intake.
- Special design for high refrigerant charge

**Model**
**FRK11G**

Sales code:
**106G5953**

## Compressor Design

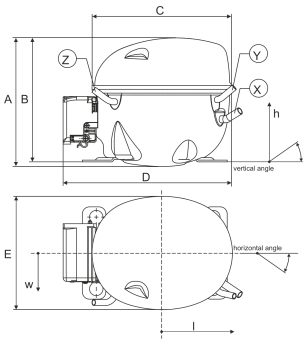
| | | | |
|---|---|---|---|
| Oil type | **POE** | Winding resistance main | **8.4 Ohm** |
| Oil viscosity | **19,2cSt** | Winding resistance aux | **11.9 Ohm** |
| Oil quantity | **240 cm3 / 8.12fl.oz** | Max. winding temp. | **125 °C** |
| Free gas volume comp. | **1,495 cm3 / 50.55fl.oz** | Max. discharge temp. | **130°C / 266°F** |
| Motor protection | **external** | | |

## Compressor Dimensions

**Housing**

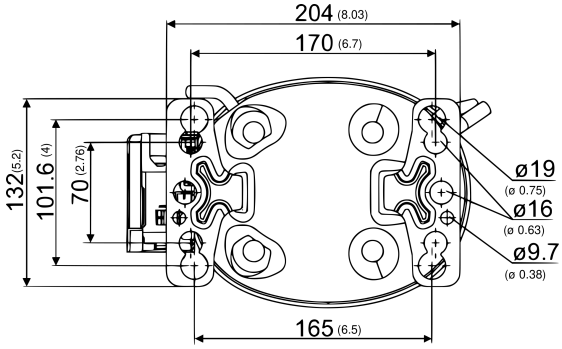
| | |
|---|---|
| A Height | **182mm / 7.17in** |
| B Height | **175mm / 6.89in** |
| C Length shell | **198mm / 7.80in** |
| D Length w. cover | **238mm / 9.37in** |
| E Width | **160mm / 6.30in** |

Find 3D Model here



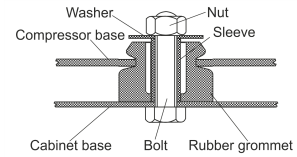

| Connectors | Suction X | Discharge Y | Process Z |
|---|---|---|---|
| Diameter [mm] | øi 8.11–8.29 / 0.32–0.33in | øi 6.11–6.29 / 0.24–0.25in | øi 6.11–6.29 / 0.24–0.25in |
| Material | CU | CU | CU |
| Horizontal angle ±2° | 35° | 13° | 0° |
| Vertical angle ±2° | 30° | 40° | 145° |
| Position l/h/w [mm] | 119/73/59 / 4.69/2.87/2.32in | 117/107/66 / 4.61/4.21/2.60in | -88/101/71 / -3.46/3.98/2.80in |
| Straight tube l. [mm] | 13.5 / 0.53in | 13.5 / 0.53in | 13.5 / 0.53in |

## Mounting Accessories

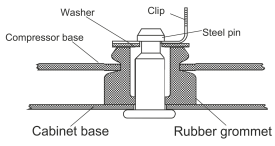



Dimensions in mm [in]

Bolt joint




Snap-on




| | one comp. | multi pack |
|---|---|---|
| Bolt joint \| M6 \| ø16mm | 118-1917 | 118-1918 |
| Bolt joint \| ø1/4" \| ø16mm | 118-1946 | – |
| Bolt joint \| ø1/4" \| ø19mm | 118-1949 | – |
| Snap-on \| ø7,3 \| ø16mm | 118-1947 | 118-1919 |

**Model**
**FRK11G** Configuration 1

Sales code:
**106G5953**

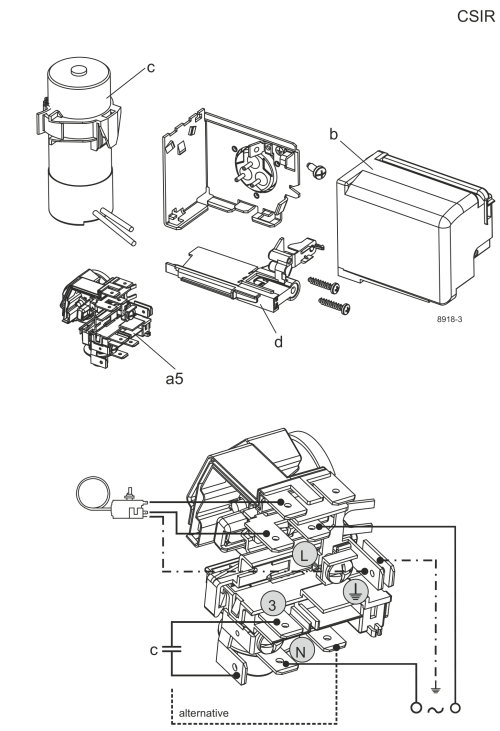
## Configuration

| | |
|---|---|
| Motor configuration | **CSIR** |
| Power supply (nominal) | **220-240 V/50 Hz 1~** |
| Refrigerant | **R134a** |
| Application | **LBP+MBP+HBP** |
| Voltage range | **187-254 V** |
| Starting torque | **HST** |
| Approvals | **VDE, CB, UL** |
| Starting device type | **relay** |
| Run capacitor | **-/-** |
| Start capacitor | **80 µF** |
| LRA (locked rotor amps / 4s/ U(N)) | **13.4 A** |
| RLA (rated load amps / 1s/ U(N)) | **1.8 A** |
| Cut in current (U(N)) | **12.3 A** |

**Ambient/ machine room temperatures minimum /maximum**
Ambient temperature range: 10 - 43°C / 50 - 109°F
Machine room temp. compressor: 10 - 48°C / 50 - 118°F

**System Cooling**
fan 3m/s

## Electrical Accessories / Wiring Diagram

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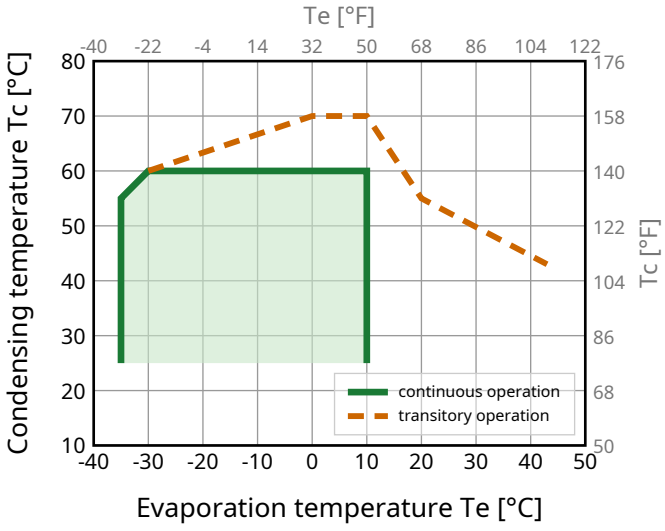
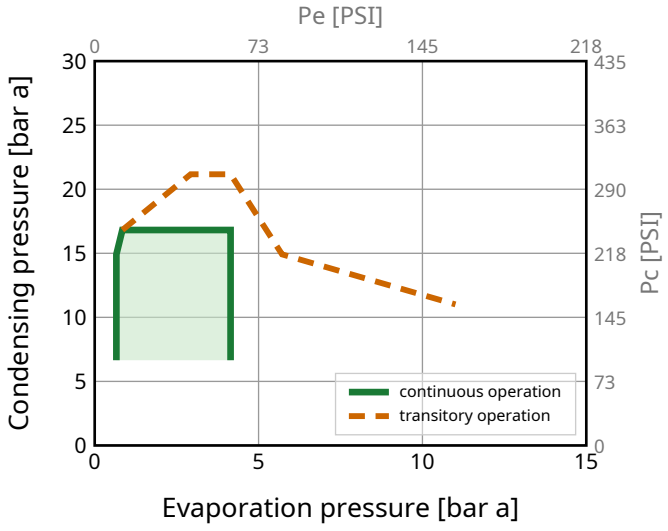
**Components**
**a5** current relay (T0377/L6-S1) 117U7071
**c** start capacitor (80µF, 6.3mm) 117U5001
**b, d** cover + clamp + screws (5VA-compl.) 103N0600

**Alternative components**
**b, d** 100x cover + clamp + screws (5VA) 103N2060
**b, d** cover + clamp + screws (5VA) in bag 103N1060

## Operation Pressure Range



**Model** Sales code:

**FRK11G** Configuration 1 **106G5953**

## Standard Conditions

**R134a**, 220 V/50 Hz, CSIR, fan 3m/s

| pe | pc | RGT | Tliq | Cooling capacity | | | COP | EER | P | I | ṁ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [°C] [°F] | [°C] [°F] | [°C] [°F] | [°C] [°F] | [W] | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [W] | [A] | [kg/h] | |
| -23.3 -10 | 54.4 129.9 | 32.2 90 | 32.2 90 | **240** | 818 | 206 | **1.32** | 4.52 | 181 | 1.39 | 4.65 | **ASHRAE LBP** |
| -6.7 20 | 54.4 129.9 | 35 95 | 46.1 115 | **494** | 1687 | 425 | **1.79** | 6.12 | 276 | 1.76 | 10.76 | **ASHRAE MBP** |
| 7.2 45 | 54.4 129.9 | 35 95 | 46.1 115 | **865** | 2952 | 744 | **2.43** | 8.28 | 357 | 2.11 | 19.15 | **ASHRAE HBP** |
| -35 -31 | 40 104 | 20 68 | 40 104 | **124** | 422 | 106 | **0.91** | 3.09 | 136 | 1.27 | 2.71 | **EN12900 LBP** |
| -10 14 | 45 113 | 20 68 | 45 113 | **432** | 1473 | 371 | **1.79** | 6.10 | 241 | 1.61 | 10.06 | **EN12900 MBP** |
| 5 41 | 50 122 | 20 68 | 50 122 | **743** | 2536 | 639 | **2.25** | 7.68 | 330 | 1.99 | 18.64 | **EN12900 HBP** |

## Performance Tables

**R134a**, 220 V/50 Hz, CSIR, fan 3m/s

**pc= 45/113 | RGT= 32/89.6 | Tliq= 45/113 | °C/°F**

| pe | | Cooling capacity | | | COP | EER | P | I | ṁ |
|---|---|---|---|---|---|---|---|---|---|
| [°C] | [°F] | [W] | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [W] | [A] | [kg/h] |
| -35 | -31 | **118** | 401 | 101 | **0.87** | 2.96 | 135 | 1.26 | 2.53 |
| -30 | -22 | **156** | 532 | 134 | **1.03** | 3.51 | 152 | 1.30 | 3.37 |
| -20 | -4 | **272** | 929 | 234 | **1.41** | 4.81 | 193 | 1.43 | 5.91 |
| -10 | 14 | **447** | 1525 | 384 | **1.85** | 6.32 | 241 | 1.61 | 9.76 |
| 0 | 32 | **687** | 2343 | 591 | **2.37** | 8.07 | 290 | 1.82 | 15.15 |
| 10 | 50 | **998** | 3406 | 858 | **2.99** | 10.20 | 334 | 2.01 | 22.34 |

**pc= 55/131 | RGT= 32/89.6 | Tliq= 55/131 | °C/°F**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| -35 | -31 | **95** | 325 | 82 | **0.73** | 2.50 | 130 | 1.25 | 2.26 |
| -30 | -22 | **130** | 445 | 112 | **0.87** | 2.98 | 150 | 1.29 | 3.10 |
| -20 | -4 | **233** | 795 | 200 | **1.17** | 4.00 | 199 | 1.46 | 5.57 |
| -10 | 14 | **385** | 1313 | 331 | **1.50** | 5.11 | 257 | 1.68 | 9.28 |
| 0 | 32 | **593** | 2022 | 510 | **1.87** | 6.37 | 317 | 1.94 | 14.45 |
| 10 | 50 | **863** | 2945 | 742 | **2.31** | 7.87 | 374 | 2.19 | 21.38 |

**Model**
**FRK11G** Configuration 2

Sales code:
**106G5953**

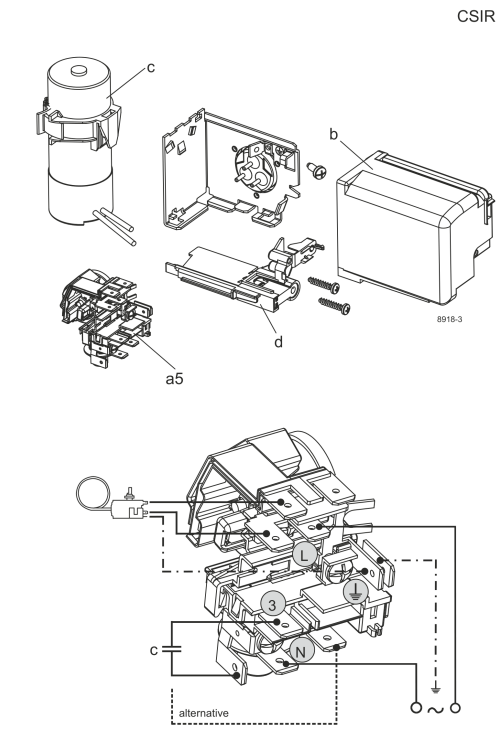
## Configuration

| | |
|---|---|
| Motor configuration | **CSIR** |
| Power supply (nominal) | **208-230 V/60 Hz 1~** |
| Refrigerant | **R134a** |
| Application | **LBP+MBP** |
| Voltage range | **198-253 V** |
| Starting torque | **HST** |
| Approvals | **VDE, CB, UL** |
| Starting device type | **relay** |
| Run capacitor | **-/-** |
| Start capacitor | **80 µF** |
| LRA (locked rotor amps / 4s/ U(N)) | **13.4 A** |
| RLA (rated load amps / 1s/ U(N)) | **1.8 A** |
| Cut in current (U(N)) | **12.3 A** |

**Ambient/ machine room temperatures minimum /maximum**
Ambient temperature range: 10 - 43°C / 50 - 109°F
Machine room temp. compressor: 10 - 48°C / 50 - 118°F

**System Cooling**
fan 3m/s

## Electrical Accessories / Wiring Diagram

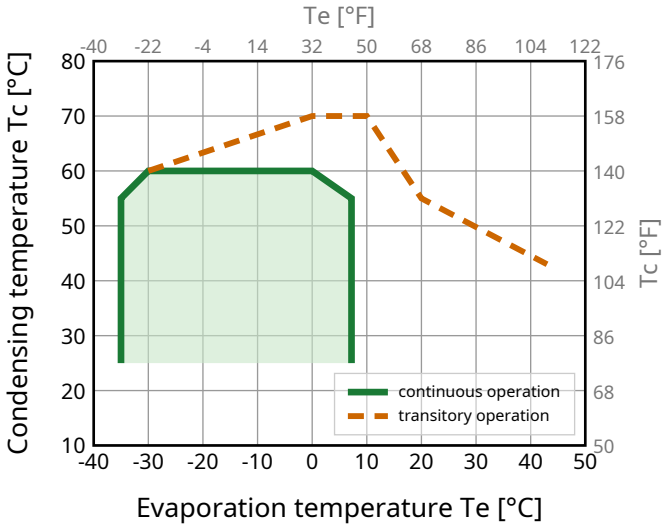


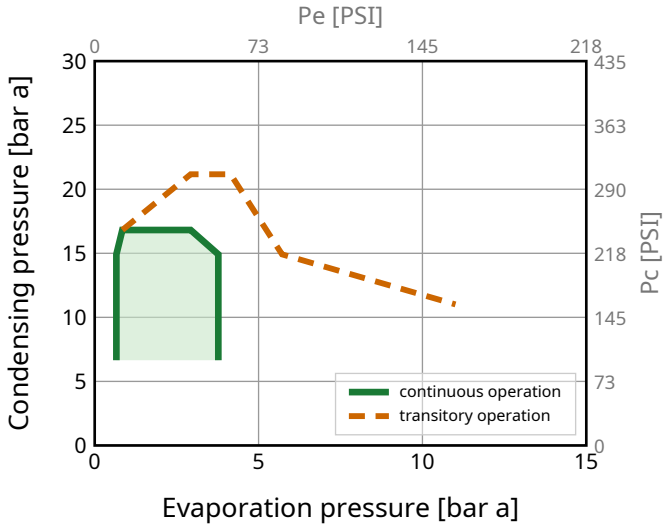

View full size

**Components**
**a5** current relay (T0377/L6-S1) 117U7071
**c** start capacitor (80µF, 6.3mm) 117U5001
**b, d** cover + clamp + screws (5VA-compl.) 103N0600

**Alternative components**
**b, d** 100x cover + clamp + screws (5VA) 103N2060
**b, d** cover + clamp + screws (5VA) in bag 103N1060

## Operation Pressure Range



**Model** Sales code:

**FRK11G** Configuration 2 **106G5953**

## Standard Conditions

**R134a**, 230 V/60 Hz, CSIR, fan 3m/s

| pe | pc | RGT | Tliq | Cooling capacity | | | COP | EER | P | I | ṁ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [°C] [°F] | [°C] [°F] | [°C] [°F] | [°C] [°F] | [W] | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [W] | [A] | [kg/h] | |
| -23.3 -10 | 54.4 129.9 | 32.2 90 | 32.2 90 | **286** | 976 | 246 | **1.34** | 4.59 | 213 | 1.38 | 5.55 | **ASHRAE LBP** |
| -6.7 20 | 54.4 129.9 | 35 95 | 46.1 115 | **589** | 2011 | 507 | **1.78** | 6.08 | 331 | 1.80 | 12.83 | **ASHRAE MBP** |
| 7.2 45 | 54.4 129.9 | 35 95 | 46.1 115 | **1030** | 3515 | 886 | **2.34** | 7.97 | 441 | 2.24 | 22.80 | **ASHRAE HBP** |
| -35 -31 | 40 104 | 20 68 | 40 104 | **150** | 510 | 129 | **1.12** | 3.81 | 134 | 1.16 | 3.27 | **EN12900 LBP** |
| -10 14 | 45 113 | 20 68 | 45 113 | **515** | 1757 | 443 | **1.81** | 6.17 | 285 | 1.62 | 12.01 | **EN12900 MBP** |
| 5 41 | 50 122 | 20 68 | 50 122 | **886** | 3022 | 762 | **2.21** | 7.53 | 401 | 2.08 | 22.21 | **EN12900 HBP** |

## Performance Tables

**R134a**, 230 V/60 Hz, CSIR, fan 3m/s

**pc= 45/113 | RGT= 32/89.6 | Tliq= 45/113 | °C/°F**

| pe | | Cooling capacity | | | COP | EER | P | I | ṁ |
|---|---|---|---|---|---|---|---|---|---|
| [°C] | [°F] | [W] | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [W] | [A] | [kg/h] |
| -35 | -31 | **141** | 481 | 121 | **1.05** | 3.58 | 135 | 1.16 | 3.04 |
| -30 | -22 | **187** | 638 | 161 | **1.13** | 3.86 | 166 | 1.24 | 4.03 |
| -20 | -4 | **326** | 1111 | 280 | **1.44** | 4.92 | 226 | 1.42 | 7.06 |
| -10 | 14 | **533** | 1820 | 459 | **1.87** | 6.39 | 285 | 1.62 | 11.65 |
| 0 | 32 | **819** | 2793 | 704 | **2.38** | 8.11 | 344 | 1.85 | 18.06 |
| 7.2 | 45 | **1077** | 3675 | 926 | **2.77** | 9.46 | 388 | 2.03 | 24.00 |

**pc= 55/131 | RGT= 32/89.6 | Tliq= 55/131 | °C/°F**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| -35 | -31 | **113** | 384 | 97 | **0.83** | 2.82 | 136 | 1.16 | 2.67 |
| -30 | -22 | **155** | 529 | 133 | **0.92** | 3.14 | 169 | 1.25 | 3.69 |
| -20 | -4 | **278** | 949 | 239 | **1.18** | 4.02 | 236 | 1.45 | 6.66 |
| -10 | 14 | **459** | 1566 | 395 | **1.49** | 5.09 | 307 | 1.71 | 11.07 |
| 0 | 32 | **706** | 2409 | 607 | **1.84** | 6.26 | 384 | 2.01 | 17.21 |
| 7.2 | 45 | **929** | 3171 | 799 | **2.09** | 7.14 | 444 | 2.26 | 22.91 |

**Model**
**FRK11G** Configuration 3

Sales code:
**106G5953**

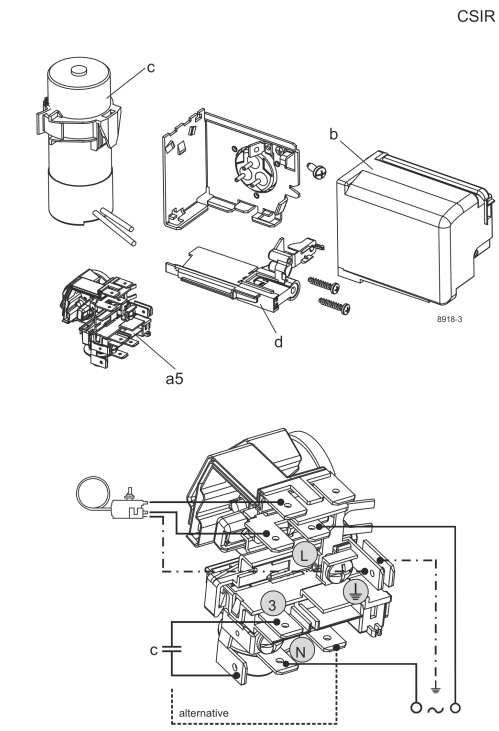
## Configuration

| | |
|---|---|
| Motor configuration | **CSIR** |
| Power supply (nominal) | **220-240 V/50 Hz 1~** |
| Refrigerant | **R513A** |
| Application | **LBP+MBP+HBP** |
| Voltage range | **187-254 V** |
| Starting torque | **HST** |
| Approvals | **VDE, CB, UL** |
| Starting device type | **relay** |
| Run capacitor | **-/-** |
| Start capacitor | **80 µF** |
| LRA (locked rotor amps / 4s/ U(N)) | **13.4 A** |
| RLA (rated load amps / 1s/ U(N)) | **1.8 A** |
| Cut in current (U(N)) | **12.3 A** |

**Ambient/ machine room temperatures minimum /maximum**
Ambient temperature range: 10 - 43°C / 50 - 109°F
Machine room temp. compressor: 10 - 48°C / 50 - 118°F

**System Cooling**
fan 3m/s

## Electrical Accessories / Wiring Diagram

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**Components**
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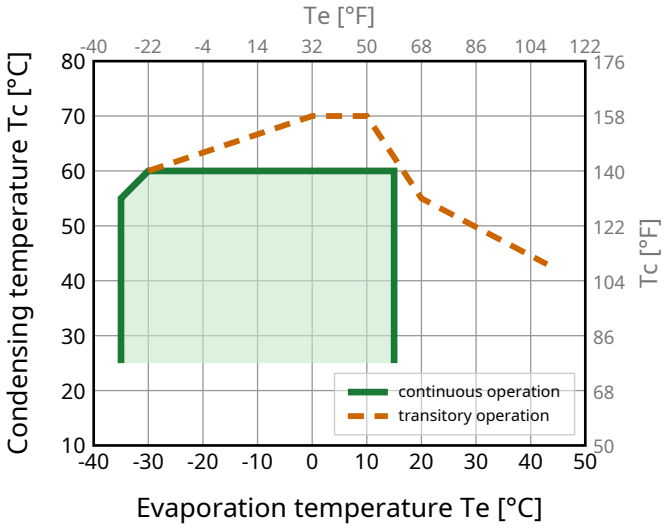
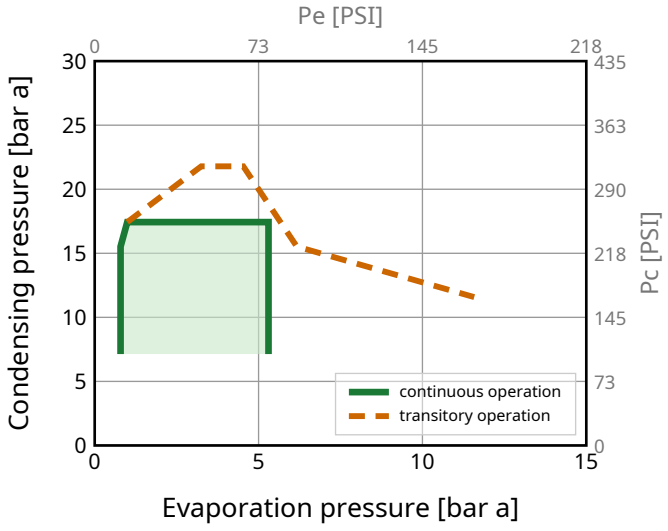
**c** start capacitor (80µF, 6.3mm) 117U5001
**b, d** cover + clamp + screws (5VA-compl.) 103N0600

**Alternative components**
**b, d** 100x cover + clamp + screws (5VA) 103N2060
**b, d** cover + clamp + screws (5VA) in bag 103N1060

## Operation Pressure Range



**Model** Sales code:

**FRK11G** Configuration 3 **106G5953**

## Standard Conditions

**R513A**, 220 V/50 Hz, CSIR, fan 3m/s

| pe | pc | RGT | Tliq | Cooling capacity | | | COP | EER | P | I | ṁ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [°C] [°F] | [°C] [°F] | [°C] [°F] | [°C] [°F] | [W] | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [W] | [A] | [kg/h] | |
| -23.3 -10 | 54.4 129.9 | 32.2 90 | 32.2 90 | **264** | 899 | 227 | **1.33** | 4.53 | 199 | 1.45 | 5.77 | **ASHRAE LBP** |
| -6.7 20 | 54.4 129.9 | 35 95 | 46.1 115 | **518** | 1766 | 445 | **1.77** | 6.03 | 293 | 1.83 | 12.90 | **ASHRAE MBP** |
| 7.2 45 | 54.4 129.9 | 35 95 | 46.1 115 | **888** | 3031 | 764 | **2.37** | 8.10 | 374 | 2.19 | 22.57 | **ASHRAE HBP** |
| -35 -31 | 40 104 | 20 68 | 40 104 | **137** | 468 | 118 | **0.95** | 3.25 | 144 | 1.29 | 3.45 | **EN12900 LBP** |
| -10 14 | 45 113 | 20 68 | 45 113 | **448** | 1529 | 385 | **1.74** | 5.92 | 258 | 1.68 | 12.13 | **EN12900 MBP** |
| 5 41 | 50 122 | 20 68 | 50 122 | **747** | 2550 | 643 | **2.16** | 7.37 | 346 | 2.06 | 22.04 | **EN12900 HBP** |

## Performance Tables

**R513A**, 220 V/50 Hz, CSIR, fan 3m/s

**pc= 45/113 | RGT= 32/89.6 | Tliq= 45/113 | °C/°F**

| pe | | Cooling capacity | | | COP | EER | P | I | ṁ |
|---|---|---|---|---|---|---|---|---|---|
| [°C] | [°F] | [W] | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [W] | [A] | [kg/h] |
| -35 | -31 | **132** | 450 | 113 | **0.91** | 3.10 | 145 | 1.28 | 3.24 |
| -30 | -22 | **172** | 587 | 148 | **1.04** | 3.55 | 165 | 1.34 | 4.24 |
| -20 | -4 | **292** | 997 | 251 | **1.39** | 4.74 | 210 | 1.50 | 7.25 |
| -10 | 14 | **470** | 1604 | 404 | **1.82** | 6.22 | 258 | 1.68 | 11.77 |
| 0 | 32 | **711** | 2427 | 612 | **2.33** | 7.94 | 306 | 1.89 | 18.02 |
| 10 | 50 | **1021** | 3483 | 878 | **2.93** | 9.98 | 349 | 2.08 | 26.29 |
| 15 | 59 | **1203** | 4105 | 1035 | **3.27** | 11.16 | 368 | 2.17 | 31.32 |

**pc= 55/131 | RGT= 32/89.6 | Tliq= 55/131 | °C/°F**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| -35 | -31 | **107** | 365 | 92 | **0.75** | 2.56 | 143 | 1.27 | 2.95 |
| -30 | -22 | **143** | 487 | 123 | **0.86** | 2.94 | 165 | 1.34 | 3.94 |
| -20 | -4 | **247** | 842 | 212 | **1.14** | 3.88 | 217 | 1.52 | 6.86 |
| -10 | 14 | **398** | 1360 | 343 | **1.45** | 4.95 | 275 | 1.75 | 11.18 |
| 0 | 32 | **604** | 2059 | 519 | **1.80** | 6.16 | 334 | 2.01 | 17.16 |
| 10 | 50 | **867** | 2959 | 746 | **2.21** | 7.53 | 393 | 2.28 | 25.13 |
| 15 | 59 | **1023** | 3490 | 880 | **2.43** | 8.30 | 420 | 2.41 | 29.99 |

**Model**
**FRK11G** Configuration 4

Sales code:
**106G5953**

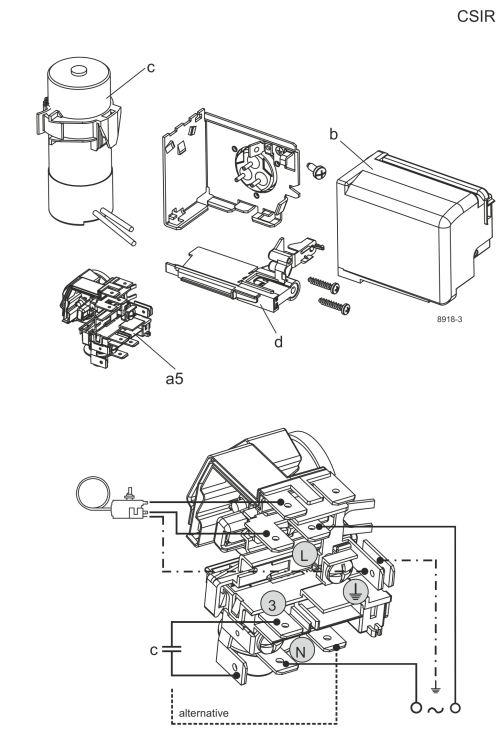
## Configuration

| | |
|---|---|
| Motor configuration | **CSIR** |
| Power supply (nominal) | **208-230 V/60 Hz 1~** |
| Refrigerant | **R513A** |
| Application | **LBP+MBP** |
| Voltage range | **198-253 V** |
| Starting torque | **HST** |
| Approvals | **VDE, CB, UL** |
| Starting device type | **relay** |
| Run capacitor | **-/-** |
| Start capacitor | **80 µF** |
| LRA (locked rotor amps / 4s/ U(N)) | **13.4 A** |
| RLA (rated load amps / 1s/ U(N)) | **1.8 A** |
| Cut in current (U(N)) | **12.3 A** |

**Ambient/ machine room temperatures minimum /maximum**
Ambient temperature range: 10 - 43°C / 50 - 109°F
Machine room temp. compressor: 10 - 48°C / 50 - 118°F

**System Cooling**
fan 3m/s

## Electrical Accessories / Wiring Diagram

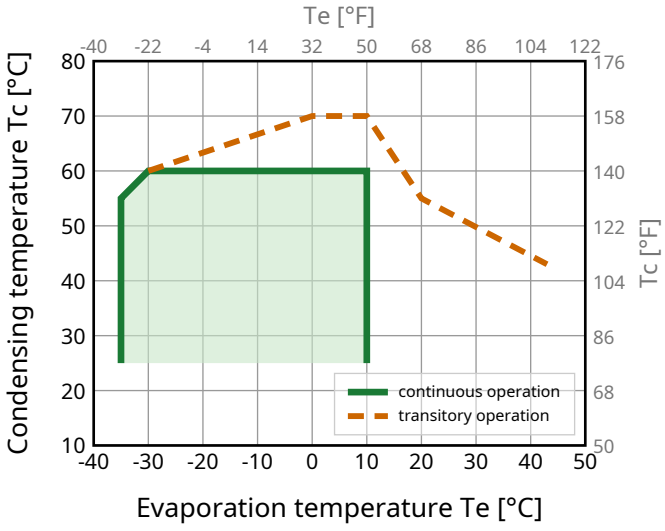


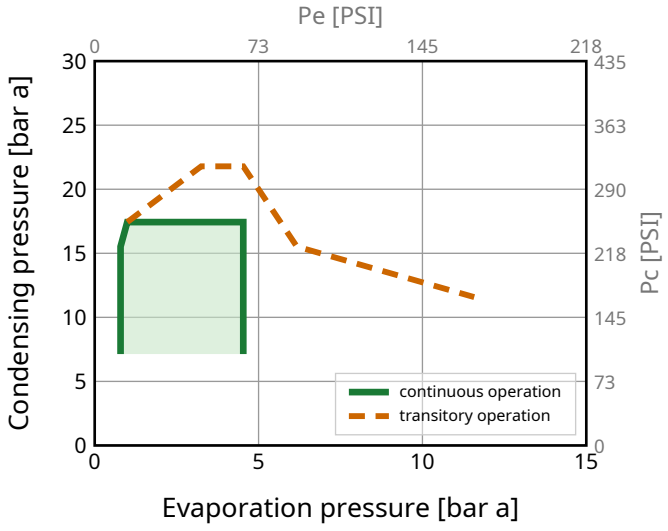

View full size

**Components**
**a5** current relay (T0377/L6-S1) 117U7071
**c** start capacitor (80µF, 6.3mm) 117U5001
**b, d** cover + clamp + screws (5VA-compl.) 103N0600

**Alternative components**
**b, d** 100x cover + clamp + screws (5VA) 103N2060
**b, d** cover + clamp + screws (5VA) in bag 103N1060

## Operation Pressure Range



**Model** Sales code:

**FRK11G** Configuration 4 **106G5953**

## Standard Conditions

**R513A**, 230 V/60 Hz, CSIR, fan 3m/s

| pe | pc | RGT | Tliq | Cooling capacity | | | COP | EER | P | I | ṁ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [°C] [°F] | [°C] [°F] | [°C] [°F] | [°C] [°F] | [W] | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [W] | [A] | [kg/h] | |
| -23.3 -10 | 54.4 129.9 | 32.2 90 | 32.2 90 | **315** | 1074 | 271 | **1.35** | 4.61 | 233 | 1.44 | 6.89 | **ASHRAE LBP** |
| -6.7 20 | 54.4 129.9 | 35 95 | 46.1 115 | **617** | 2106 | 531 | **1.75** | 5.98 | 352 | 1.88 | 15.39 | **ASHRAE MBP** |
| 7.2 45 | 54.4 129.9 | 35 95 | 46.1 115 | **1058** | 3609 | 910 | **2.28** | 7.79 | 463 | 2.34 | 26.88 | **ASHRAE HBP** |
| -35 -31 | 40 104 | 20 68 | 40 104 | **166** | 566 | 143 | **1.11** | 3.80 | 149 | 1.19 | 4.17 | **EN12900 LBP** |
| -10 14 | 45 113 | 20 68 | 45 113 | **535** | 1825 | 460 | **1.76** | 6.01 | 304 | 1.70 | 14.48 | **EN12900 MBP** |
| 5 41 | 50 122 | 20 68 | 50 122 | **891** | 3039 | 766 | **2.11** | 7.20 | 422 | 2.16 | 26.26 | **EN12900 HBP** |

## Performance Tables

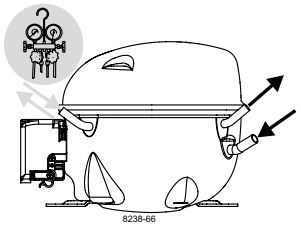
**R513A**, 230 V/60 Hz, CSIR, fan 3m/s

**pc= 45/113 | RGT= 32/89.6 | Tliq= 45/113 | °C/°F**

| pe | | Cooling capacity | | | COP | EER | P | I | ṁ |
|---|---|---|---|---|---|---|---|---|---|
| [°C] | [°F] | [W] | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [W] | [A] | [kg/h] |
| -35 | -31 | **158** | 539 | 136 | **1.05** | 3.59 | 150 | 1.19 | 3.89 |
| -30 | -22 | **206** | 704 | 177 | **1.13** | 3.86 | 182 | 1.28 | 5.09 |
| -20 | -4 | **349** | 1192 | 300 | **1.43** | 4.89 | 244 | 1.48 | 8.67 |
| -10 | 14 | **561** | 1915 | 483 | **1.85** | 6.30 | 304 | 1.70 | 14.05 |
| 0 | 32 | **848** | 2894 | 730 | **2.33** | 7.96 | 364 | 1.93 | 21.49 |
| 10 | 50 | **1218** | 4154 | 1047 | **2.87** | 9.78 | 425 | 2.18 | 31.36 |
| 15 | 59 | **1435** | 4897 | 1234 | **3.14** | 10.73 | 456 | 2.31 | 37.36 |

**pc= 55/131 | RGT= 32/89.6 | Tliq= 55/131 | °C/°F**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| -35 | -31 | **126** | 431 | 109 | **0.82** | 2.80 | 154 | 1.20 | 3.48 |
| -30 | -22 | **170** | 580 | 146 | **0.91** | 3.09 | 188 | 1.30 | 4.69 |
| -20 | -4 | **295** | 1005 | 253 | **1.15** | 3.92 | 256 | 1.52 | 8.19 |
| -10 | 14 | **475** | 1622 | 409 | **1.45** | 4.93 | 329 | 1.79 | 13.34 |
| 0 | 32 | **719** | 2454 | 619 | **1.77** | 6.04 | 407 | 2.10 | 20.45 |
| 10 | 50 | **1033** | 3524 | 888 | **2.10** | 7.18 | 491 | 2.46 | 29.92 |
| 15 | 59 | **1218** | 4155 | 1047 | **2.27** | 7.75 | 536 | 2.65 | 35.71 |




# FRK Compressors

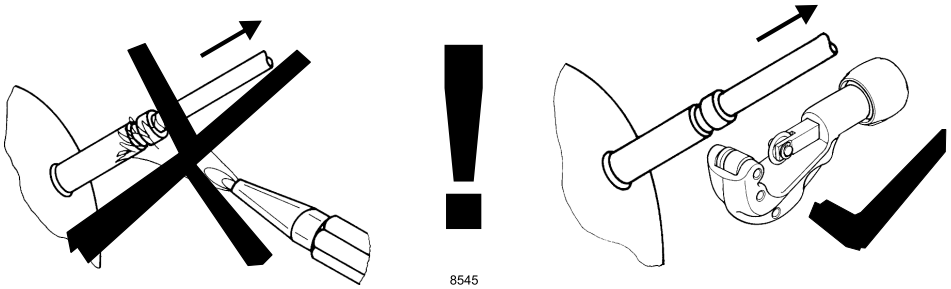
SECOP

Keep electrical equipment clear from oil, chemicals, and water

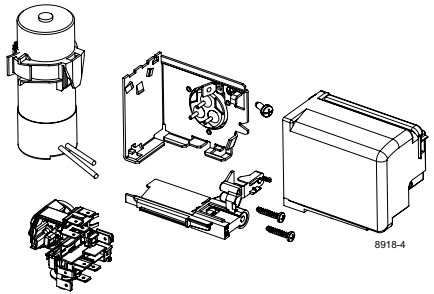
When operated with a flammable refrigerant, only spark-proof starting equipment is allowed.

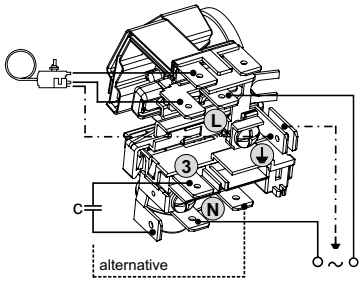
## Service/Repair – R1234yf

(applies to all flammable refrigerants)




## CSIR




**Dismantling, recycling, disposal:** At the end of a compressor's lifecycle, proceed by separating and storing components according to their environmental impact. Parts that may cause pollution must be clearly identified and handled separately, ensuring appropriate disposal. Refrigerant gas must not be released into the environment and should be recovered by qualified operators. Compressor oil must also be collected separately. The compressor should be disposed of at specialized disposal centers in accordance with the applicable regulations. **Subject to modifications/alterations. www.secop.com**