Applications

Our compressor range will perfectly fit various applications like:

• Refrigerators and freezers
• Laboratory and medical equipment
• Clip-on and condensing units
• Compressed air dryers
• Glass door merchandisers
• Bakery refrigeration equipment
• Low temperature display cabinets
• Vending machines
• Ice making machines
• Slush and frozen beverage makers
• Bottle coolers

Quick reference

Legend

- 1: pTC starting device
- 2: Starting relay
- 3: Starting device

Notes

1. To fulfill the requirements of EN 60355-2-34 the protection screen 103N0476 must be applied to the pTC starting device.

Refrigeration Controls programme consists of:

- Thermostatic expansion valves
- Hermetic filter dryer with solid core
- Direct or serve operated solenoid valve
- Sight glass with moisture indicator

Danfoss Compressors Ltd.
Mads-Clausen-Str. 7 • D-24939 Flensburg / Germany • Tel: +49 (0461) 4941-0 • Fax: +49 (0461) 44715 • compressors.danfoss.com

R134a R600a

Danfoss Compressors

Tropical conditions

220-240 V • 50 Hz & 60 Hz

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Mads-Clausen-Str. 7 • D-24939 Flensburg / Germany • Tel: +49 (0461) 4941-0 • Fax: +49 (0461) 44715 • compressors.danfoss.com

HST - CSR Protection Screen for PTC

Abbreviations

SC

M

1

1

2

2

N

N

L

L

5

4

2

1

"Figure: Test your assistant on various languages and domains.
<table>
<thead>
<tr>
<th>Model</th>
<th>R134a</th>
<th>R22</th>
<th>R404A</th>
<th>R407C</th>
<th>R410A</th>
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<tr>
<td>F₂</td>
<td></td>
<td></td>
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</table>

### Power Consumption
- R134a: 6.2 W
- R22: 6.2 W
- R404A: 6.2 W
- R407C: 6.2 W
- R410A: 6.2 W

### Compressor

#### Capacitor Start Induction Run
- Capacitor Start Induction Run
- Applications: Commercial, Residential, Industrial
- Compressor Type: Hermetic
- Voltage and Temperatures:
  - 1.5% and 8.5% by volume (LEL lower explosion limit and UEL upper explosive limit)

### Test Conditions
- EN 12900 (CECOMAF)
- Equalizing.

### Warning
- Induction run: The compressor is run at 43°C to check for a potential temperature of 43°C.
- Induction run: The compressor is run at 92°C to check for a potential temperature of 92°C.

### Notes
- Supply voltage: 230V ± 10%
- Frequency: 50 Hz ± 10%
- Protection: IP23
- Motor protection: Floats, oil, and water protection
- Capacity: 100% for R134a and 80% for R22
- PTC: Positive Temperature Coefficient

### Applications
- Indoor and outdoor applications
- Commercial, residential, and industrial applications

###局限
- Only valid for specific applications
- Not suitable for all environments
- Consult the manufacturer for detailed specifications.
<table>
<thead>
<tr>
<th>Description</th>
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<th>HBP</th>
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<td>1182</td>
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</table>

**Notes:**

- Anti-freeze agents must not be used in the compressors as such.
- No attempt must be made to start the compressor without a suitable ignition source at a temperature higher than 460°C.
- An ignition source at a temperature higher than 460°C is needed to start the compressor.
- Snap-on Comp 118-1918

**Applications:**

- Conversion of capacity
- Compressor cooling
- Condensing temperature 55°C

**MBP:**

- (see datasheet for codenumbers).
- Temperature at 60Hz
- Resistant Start Induction Run

**Environment:**

- *MBP:* and the products are designed for use in the following environments:
  - Temperature range: -25°C to 40°C
  - Humidity: 0% to 95% non-condensing
  - Altitude: 0 to 2000 m
  - Pollution degree: 2 (IP23)
  - Applications: Non-hazardous areas

**Optional IP24 equipment for SC compressors:**

- Protective measures for electrical equipment to ensure safety in hazardous areas.
- Suitable for use in environments with dust and water.

**Other information:**

- The compressors are designed for use in demanding applications where reliability and performance are critical.
- The products are manufactured using high-quality materials to ensure durability and longevity.
- Comprehensive documentation and support are provided to assist in the installation and maintenance of the compressors.
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>PL</td>
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</tr>
<tr>
<td>SC</td>
<td>100</td>
<td>35°C</td>
<td>Capacitor start run</td>
</tr>
</tbody>
</table>

**Note:**
- All models are certified according to the applicable EC directive 2009/125/EC.
- The models are suitable for tropical conditions and less stable environments.
- The models are compliant with the 2014/35/UE (Machinery) and 2009/125/EC (LVD) directives.
- The models are suitable for ambient temperatures ranging from 10°C to 40°C.
- The models are suitable for altitudes up to 2000 meters.
- The minimum ambient temperature for operation is 10°C.
- The maximum ambient temperature for operation is 40°C.
- The minimum ambient temperature for storage is -25°C.
- The maximum ambient temperature for storage is 55°C.

**Applications:**
- Rated capacity: 3.0 m/s necessary
- Rated capacity: 3.0 m/s necessary
- Rated capacity: 3.0 m/s necessary
- Rated capacity: 3.0 m/s necessary
- Rated capacity: 3.0 m/s necessary

**Displacement:**
- Rated capacity: 3.0 m/s necessary
- Rated capacity: 3.0 m/s necessary
- Rated capacity: 3.0 m/s necessary
- Rated capacity: 3.0 m/s necessary
- Rated capacity: 3.0 m/s necessary
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Legend

1. PTC starting device
2. Starting relay
3. Starting device
4. Starting capacitor
5. Cord relief
6. Run capacitor
7. Protection screen for PTC
8. Thermostat
9. Fan
10. Bleeder resistance
11. TOP

Refrigeration Controls programme consists of:

- Thermostatic expansion valves
- Hermetic filter drier with solid core
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R134a & R600a

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