SC15GHH
Heat Pump Compressor
R134a
220-240V 50Hz

General
Code number 104G8571
Approvals EN 60335-2-34
Compressors on pallet 80

Application
Application
Frequency Hz 50 60
Evaporating temperature °C -15 to 15 –
Voltage range V 198 - 254 –
Max. condensing temperature continuous (short) °C 70 (70) –
Max. winding temperature continuous (short) °C 125 (135) –

Cooling requirements
Frequency Hz 50 60
Application LBP MBP HBP LBP MBP HBP
32°C – – O – – –
38°C – – O – – –
43°C – – O – – –

Remarks on application:

Motor
Motor type CSR
LRA (rated after 4 sec. UL984), HST | LST A 14.8 –
Cut in Current, HST | LST A 14.8 –
Resistance, main | start winding (25°C) Ω 5.0 13.7

Design
Displacement cm³ 15.28
Oil quantity (type) cm³ 450 (polyolester)
Maximum refrigerant charge g 1300
Free gas volume in compressor cm³ 1540
Weight without electrical equipment kg 13.4

Dimensions
Height mm A 209
B 203
B1 183
B2 100
Suction connector location/I.D. mm | angle C 10.2 | 37°
material | comment Cu-plated steel | Al cap
Process connector location/I.D. mm | angle D 6.2 | 37°
material | comment Cu-plated steel | Al cap
Discharge connector location/I.D. mm | angle E 8.2 | 37°
material | comment Cu-plated steel | Al cap
Oil cooler connector location/I.D. mm | angle F 8.2 | –
material | comment Cu-plated steel | Al cap
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) 220V, 50Hz, fan cooling F1

<table>
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<tr>
<th>Evap. temp. in °C</th>
<th>-45</th>
<th>-40</th>
<th>-35</th>
<th>-30</th>
<th>-25</th>
<th>-23.3</th>
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<td>Capacity in W</td>
<td>435</td>
<td>570</td>
<td>679</td>
<td>726</td>
<td>911</td>
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ASHRAE HBP 220V, 50Hz, fan cooling F1

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