

**195B0249****Reciprocating compressor, SC12GH**

This product has been discontinued.

**We have a replacement.**

Refrigerant: R134a, Segment usage: Refrigeration HT; Refrigeration MT,  
Compressor power supply [V/Ph/Hz]: 220/1/50 220/1/60

**PRODUCT DETAILS**

<b>Gross weight</b>	13.67 kg
<b>Net weight</b>	13.67 kg
<b>EAN</b>	5702428801218
<b>Application energy level</b>	Standard HBP
<b>Applications</b>	HBP
<b>Auxiliary winding resistance (start winding) for single-phase compressors alt [Ohm]</b>	14.5 Ohm
<b>Base plate type</b>	Universal
<b>Brand technique</b>	Reciprocating compressor
<b>Capacity control</b>	Fixed speed
<b>Colour</b>	Black
<b>Compressor power supply [V/Ph/Hz]</b>	220/1/50 220/1/60
<b>Configuration code</b>	Single
<b>Cut in current HST [A]</b>	19.5 A
<b>Description</b>	SC12GH
<b>Discharge connection angle [°]</b>	37 °
<b>Discharge connection comments</b>	Rubber plug
<b>Discharge connection diameter [mm]</b>	8.2 mm
<b>Discharge connection height [mm]</b>	100 mm
<b>Discharge connection material</b>	Copper
<b>Economizer</b>	No
<b>Free gas volume [cm<sup>3</sup>]</b>	1510 cm <sup>3</sup>
<b>Frequency [Hz]</b>	50/60
<b>Height from baseplate [mm]</b>	203 mm
<b>High value of nominal voltage at 50Hz [V]</b>	240 V
<b>High value of nominal voltage at 60Hz [V]</b>	240 V
<b>High value of voltage range at 50Hz [V]</b>	255 V
<b>High value of voltage range at 60Hz [V]</b>	255 V
<b>Length [mm]</b>	255 mm
<b>Liquid injection</b>	No
<b>Low value of nominal voltage at 50Hz [V]</b>	220 V

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

## Product Detail | Reciprocating compressor, SC12GH

## PRODUCT DETAILS

Low value of nominal voltage at 60Hz [V]	220 V
Low value of voltage range at 50Hz [V]	187 V
Low value of voltage range at 60Hz [V]	187 V
LRA HST 60Hz [A]	19.5 A
LRA HST [A]	19.5 A
Main winding resistance for single-phase compressors [Ohm]	4.4 Ohm
Model number	SC12GH
Motor type	CSIR
No. of phases (compressor)	1
Nominal cooling capacity 60 kBTU/h	4.53 kBTU/h
Nominal cooling capacity at 60Hz	1.3 kW
Oil quantity [cm <sup>3</sup> ]	500 cm <sup>3</sup>
Oil type	POE
Packing format	Single pack
Packing quantity	1
Phase	1
Process connection angle [°]	37 °
Process connection comments	Rubber plug
Process connection diameter [mm]	6.2 mm
Process connection height [mm]	183 mm
Process connection material	Copper
Refrigerant	R134a
Refrigerant charge [kg] [Max]	1.3 kg
RLA	3.90 A
Rotational speed at 50Hz [rpm]	3000 rpm
Rotational speed at 60Hz [rpm]	3600 rpm
Segment usage	Refrigeration MT Refrigeration HT
Start capacitor capacitance	80 µF
Suction connection angle [°]	37 °
Suction connection comments	Rubber plug
Suction connection diameter [mm]	10.2 mm
Suction connection height [mm]	183 mm
Suction connection material	Copper
Swept volume [cm <sup>3</sup> ]	12.87 cm <sup>3</sup>
Technology	Reciprocating
Total height [mm]	209 mm
Type	SC
Type designation	Compressor
Voltage 50Hz [V]	220 V
Voltage 50Hz [V] [Max]	240 V
Voltage 60Hz [V]	220 V
Voltage 60Hz [V] [Max]	240 V
Width [mm]	151 mm
Winding temperature short term [°F] [Max]	135 °C

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

**Product Detail | Reciprocating compressor, SC12GH****PRODUCT DETAILS**

<b>Winding temperature stat [°C]</b> [Max]	125 °C
<b>Proposition 65</b>	WARNING: Cancer and Reproductive Harm <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

**For Documents, Software, Visuals and more information, please use this link to visit the product page on Danfoss Product Store** [↗](#)

**Accessories**

**103N1004** [↗](#)  
**CORD RELIEF SC EU/UL**  
CORD RELIEF SC



**118-1917** [↗](#)  
**MOUNTING ACCESSORIES**  
MOUNTING ACCESSORIES



**117U5017** [↗](#)  
**Start capacitor**  
START CAPACITOR 80µF, 220V - SC

**For more information, please use this link to visit the product page on Danfoss Product Store** [↗](#)

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.