

**195B0077** [↗](#)**Reciprocating compressor, SC12DL**

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Refrigerant: R404A; R407C, Segment usage: Refrigeration HT; Refrigeration MT,  
Compressor power supply [V/Ph/Hz]: 220-240/1/50

**PRODUCT DETAILS**

<b>Gross weight</b>	14.41 kg
<b>Net weight</b>	14.41 kg
<b>Application energy level</b>	Universal MBP/HBP
<b>Applications</b>	HBP MBP
<b>Auxiliary winding resistance (start winding) for single-phase compressors alt [Ohm]</b>	13.7 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>	220-240/1/50
<b>Configuration code</b>	Single
<b>Cut in current HST [A]</b>	20.4 A
<b>Description</b>	SC12DL
<b>Discharge connection angle [°]</b>	37 °
<b>Discharge connection comments</b>	Rubber plug
<b>Discharge connection diameter [mm]</b>	6.2 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>	1460 cm <sup>3</sup>
<b>Frequency [Hz]</b>	50
<b>Height from baseplate [mm]</b>	203 mm
<b>High value of nominal voltage at 50Hz [V]</b>	240 V
<b>High value of voltage range at 50Hz [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
<b>Low value of voltage range at 50Hz [V]</b>	187 V
<b>LRA HST 60Hz [A]</b>	20.4 A
<b>LRA HST [A]</b>	20.4 A

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## Product Detail | Reciprocating compressor, SC12DL

## PRODUCT DETAILS

Main winding resistance for single-phase compressors [Ohm]	3.7 Ohm
Model number	SC12DL
Motor type	CSIR
No. of phases (compressor)	1
Oil quantity [cm <sup>3</sup> ]	600 cm <sup>3</sup>
Oil type	POE
Packing format	Single pack
Packing quantity	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	R404A R407C
Refrigerant charge [kg] [Max]	1.3 kg
RLA	3.90 A
Rotational speed at 50Hz [rpm]	3000 rpm
Segment usage	Refrigeration MT Refrigeration HT
Speed Platform	Fixed-speed
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
Width [mm]	151 mm
Winding temperature short term [°C] [Max]	135 °C
Winding temperature stat [°C] [Max]	125 °C

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