

**121L0401****Scroll compressor, HCP120T4LC6**

Refrigerant: R407C, Segment usage: Air conditioning, Compressor power supply [V/Ph/Hz]: 380-415/3/50 460/3/60

**PRODUCT DETAILS**

<b>Gross weight</b>	49.33 kg
<b>Net weight</b>	44 kg
<b>EAN</b>	5702424206253
<b>Brand technique</b>	Scroll compressor
<b>Capacity control</b>	Fixed speed
<b>Colour</b>	Blue
<b>Compressor power supply [V/Ph/Hz]</b>	380-415/3/50 460/3/60
<b>Configuration code</b>	Single
<b>Connection type</b>	Brazed
<b>Description</b>	HCP120T4
<b>Diameter [mm]</b>	184 mm
<b>Discharge connection height [mm]</b>	519 mm
<b>Discharge connection pipe size [in]</b>	7/8 in
<b>Discharge connection size [in]</b>	7/8 in
<b>Drawing number</b>	0SR4103B-2
<b>Economizer</b>	No
<b>Fitting standard</b>	ODF
<b>Frequency [Hz]</b>	50/60
<b>Gauge port HP</b>	None
<b>Gauge port LP</b>	None
<b>Gaz equalization</b>	None
<b>Glass mounting</b>	None
<b>High side max pressure (Ps)</b>	31.1 bar
<b>High value of nominal voltage at 50Hz [V]</b>	415 V
<b>High value of nominal voltage at 60Hz [V]</b>	460 V
<b>High value of voltage range at 50Hz [V]</b>	457 V
<b>High value of voltage range at 60Hz [V]</b>	506 V
<b>IP protection class</b>	IP22
<b>Length [mm]</b>	232 mm
<b>Low side max pressure (Ps)</b>	26.2 bar
<b>Low value of nominal voltage at 50Hz [V]</b>	380 V
<b>Low value of nominal voltage at 60Hz [V]</b>	460 V

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## Product Detail | Scroll compressor, HCP120T4LC6

## PRODUCT DETAILS

Low value of voltage range at 50Hz [V]	342 V
Low value of voltage range at 60Hz [V]	414 V
LRA	140 A
MCC	25 A
Model number	HCP120T4LC6
Motor protection	Internal overload protector
Nominal cooling capacity 60 kBTU/h	115.27 kBTU/h
Nominal cooling capacity at 50Hz	25.2 kW
Nominal cooling capacity at 60Hz	33.8 kW
Nominal heating capacity at 50Hz	16.1 kW
Number of starts per hour [Max]	12
Oil charge [L]	2.66 L
Oil equalization	None
Oil reference	320HV
Oil type	PVE
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Screw connectors 10-32 UNF x 9.5
Refrigerant	R407C
Refrigerant charge [kg] [Max]	7.26 kg
Relief valve	None
RLA	19.2 A
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
Segment usage	Air conditioning
Shipped instructions	Installation instructions
Shipped mounting	Mounting kit with grommets and sleeves
Shipped oil	Initial oil charge
Suction connection height [mm]	369 mm
Suction connection pipe size [in]	1 1/8 in
Suction connection size [in]	1 1/8 in
Swept volume [cm <sup>3</sup> ]	162.4 cm <sup>3</sup>
Technology	Scroll
Torque earth [Nm]	2 Nm
Torque power [Nm]	3 Nm
Total height [mm]	545 mm
Type	HCP
Type designation	Compressor
Viscosity [cP]	68 cP
Width [mm]	232 mm
Winding resistance 1-2 [Ohm]	1.13 Ohm
Winding resistance 1-3 [Ohm]	1.11 Ohm
Winding resistance 2-3 [Ohm]	1.1 Ohm

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

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**Accessories**

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**120Z0125** [🔗](#)**Adaptor**

Solder sleeve adaptor set (1-3/4" rotolock, 1-1/8" ODF), (1-1/4" rotolock, 7/8" ODF)

**8153004** [🔗](#)**Adaptor**

Solder sleeve, P02 (1-3/4" rotolock, 1-1/8" ODF)

**8156009** [🔗](#)**Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black and white**

Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black and white

**8156132** [🔗](#)**Gasket, 1-3/4"**

Gasket, 1-3/4"

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**Spare Parts**

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**120Z0059** [🔗](#)**Belt type crankcase heater, 65 W, 230 V, CE mark, UL**

Belt type crankcase heater, 65 W, 230 V, CE mark, UL

**120Z0060** [🔗](#)**Belt type crankcase heater, 65 W, 400 V, CE mark, UL**

Belt type crankcase heater, 65 W, 400 V, CE mark, UL

**120Z5040** [🔗](#)**Belt type crankcase heater, 70 W, 240 V, CE mark, UL**

Belt type crankcase heater, 70 W, 240 V, CE mark, UL

**8168028** [🔗](#)**Rotolock valve, V02 (1-3/4" rotolock, 1-1/8" ODF), Service kit**

VALVE SETS V02 1 3/4"-1 1/8"

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