

**121L8665****Scroll compressor, MLZ030T1LC9A**

Refrigerants: R404A; R407C; R452A; R134a; R513A; R22; R448A; R449A, Segment
usage: Refrigeration HT; Refrigeration MT, Compressor power supply [V]:
208-230/1/60, Packing format: Single pack

PRODUCT DETAILS

Gross weight	44.01 Kilogram
Net weight	37.2 Kilogram
Volume	0.1 Cubic meter
EAN	5702424060527
Approval	CE UL UKCA
Auxiliary winding resistance (start winding) for single-phase compressors [Ohm]	0.9
Brand technique	Scroll compressor
Capacity control	Fixed speed
Capacity of capacitor A	60 µF
Capacity of capacitor B	161-193 µF
CE evaluated	Yes
China RoHS compliance	Yes exceed limitations
Colour	Blue
Compressor power supply [V]	208-230/1/60
Configuration code	Single
Connection type	Brazed
Description	MLZ030T1A
Diameter [mm]	184 mm
Discharge connection height [mm]	422 mm
Discharge connection pipe size [in]	1/2 in
Discharge connection size [in]	1/2 in
Drawing number	0XR6025B-2
Economizer	No
EU RoHS compliance	Yes with exemptions
EU RoHS exemption clause	7(c)-I 6(a) 6(a)-I 6(c) 7(a) 8(b)
Family	MLZ
Fitting standard	ODF
Frequency [Hz]	60
Gauge port HP	None
Gauge port LP	None

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PRODUCT DETAILS

Glass mounting	Threaded
Glass torque [Nm]	53 N-m
High value of nominal voltage at 60Hz [V]	230 V
High value of voltage range at 60Hz [V]	253 V
In scope of WEEE and contain batteries	No
IP protection class	IP22
Liquid injection	No
Low value of nominal voltage at 60Hz [V]	208 V
Low value of voltage range at 60Hz [V]	187 V
LRA	150 A
Main winding resistance for single-phase compressors [Ohm]	0.34
Max pressure (PS) - high side	31.1 bar
Max pressure (PS) - low side	26.2 bar
MCC	38 A
Model number	MLZ030T1LC9A
Motor protection	Internal overload protector
Network power supply [V/Ph/Hz]	208-230/1/60
Number of starts per hour [Max]	12
Oil charge [L]	1.57 L
Oil drain	1/4" flare
Oil equalization	None
Oil reference	215PZ
Oil type	POE
Packing format	Single pack
Packing quantity	1
Phase	1
Power connections	Screw connectors 10-32 UNF x 9.5
Product group	Hermetic compressors
Product Name Description	Scroll compressor MLZ
Refrigerant charge [kg] [Max]	5.44 kg
Refrigerants	R134a R22 R404A R407C R448A R449A R452A R513A
RLA	24.4 A
Rotational speed at 60Hz [rpm]	3500 rpm
Segment usage	Refrigeration MT Refrigeration HT
Shipped instructions	Installation instructions
Shipped mounting	Mounting kit with grommets and sleeves
Shipped oil	Initial oil charge

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Product Detail | Scroll compressor, MLZ030T1LC9A

PRODUCT DETAILS

Suction connection height [mm]	280 mm
Suction connection material	-
Suction connection pipe size [in]	7/8 in
Suction connection size [in]	7/8 in
Swept volume [cm ³]	68.79 cm ³
Technology	Scroll
Torque earth [Nm]	2 N-m
Torque power [Nm]	3 N-m
Total height [mm]	455 mm
Type	MLZ030A
U.S. EPA label	For installations using U.S. EPA restricted refrigerants, this product may be used for servicing existing equipment only.
UK RoHS compliance	Yes with exemptions
UK RoHS exemption clause	19 21 24 12 13 18
UL evaluated	Yes
Viscosity [cP]	46 cP
Voltage of capacitor A [V]	370 V
Voltage of capacitor B [V]	250 V

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

Accessories



8168030 [🔗](#)

Connector, Rotolock service valve

Rotolock valve, V05 (1-1/4" rotolock, 7/8" ODF)



120Z0127 [🔗](#)

Connector, Solder sleeve adapter set

Solder sleeve adaptor set (1-1/4" rotolock, 7/8" ODF), (1" rotolock, 1/2" ODF)



120Z5012 [🔗](#)

Crankcase heater, Belt heater

Belt type crankcase heater, 70 W, 460 V (NAM/LAM only)



8156131 [🔗](#)

Connector, Gasket

Gasket, 1-1/4"

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Accessories

**8156130** [🔗](#)**Connector, Gasket**

Gasket, 1"

**8156009** [🔗](#)**Connector, Gasket**

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

**118U0057** [🔗](#)**Electrical component, IP Upgrade kit**

IP54 upgrade kit

**8153007** [🔗](#)**Connector, Solder sleeve**

Solder sleeve, P06 (1" rotolock, 1/2" ODF)

**7750009** [🔗](#)**Electrical component, Discharge thermostat kit**

Discharge thermostat kit

**120Z5064** [🔗](#)**Mounting, Compressor kit**

Mounting kit for one-scroll compressor, including 4 grommets, 4 sleeves, 4 bolts, 4 washers

**8168031** [🔗](#)**Connector, Rotolock service valve**

Rotolock valve, V06 (1" rotolock, 1/2" ODF)

**120Z5084** [🔗](#)**Acoustic hood, Scroll**

Acoustic hood

**120Z0060** [🔗](#)**Crankcase heater, Belt heater**

Belt type crankcase heater, 65 W, 400 V

**120Z0059** [🔗](#)**Crankcase heater, Belt heater**

Belt type crankcase heater, 65 W, 230 V

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Spare Parts

**120Z0059** [!\[\]\(74d4806277d7e73349d8e8c0897931e9_img.jpg\)](#)**Crankcase heater, Belt heater**

Belt type crankcase heater, 65 W, 230 V

**8168030** [!\[\]\(8bba887393ca45b761e5cb49e755e762_img.jpg\)](#)**Connector, Rotolock service valve**

Rotolock valve, V05 (1-1/4" rotolock, 7/8" ODF)

**120Z0648** [!\[\]\(0fb13ad0bfa3d86868cdd3883e5665b3_img.jpg\)](#)**Lubricant, 215PZ**

POE lubricant, 215PZ, 1-litre can

**120Z0892** [!\[\]\(e50091943b385fe16d3277389202856f_img.jpg\)](#)**Crankcase heater, Belt heater**

Belt type crankcase heater, 65 W, 230 V

**8168031** [!\[\]\(e119fc79c8f448683d20ba4c873025a2_img.jpg\)](#)**Connector, Rotolock service valve**

Rotolock valve, V06 (1" rotolock, 1/2" ODF)

For more information, please use this link to visit the product page on Danfoss Product Store [!\[\]\(fa03f7688acce2280e23104ced18e610_img.jpg\)](#)

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