

**120B0002** **Reciprocating compressor, VTZ054AGNR1A**

Refrigerants: R404A; R407C; R134a, Segment usage: Refrigeration MT, Compressor
power supply [V]: 380-480/3/50-60, Packing format: Single pack

PRODUCT DETAILS

Gross weight	27.63 Kilogram
Net weight	25.79 Kilogram
Volume	38.61 Liter
EAN	5702428666169
Type	VTZ054
Product group	Hermetic compressors
Product Name Description	Reciprocating compressor VTZ
Approval	CE UL
Brand technique	Reciprocating compressor
Capacity control	Inverter
China RoHS compliance	Yes with exemptions
China RoHS exemption clause	7.1 7.3
Colour	Blue
Compressor power supply [V]	380-480/3/50-60
Configuration code	Single
Connection type	Rotolock
Contains batteries	No
Cylinder	1
Description	VTZ054-G
Diameter [mm]	224 mm
Discharge connection height [mm]	67 mm
Discharge connection pipe size [in]	1/2 in
Discharge connection size [in]	1 in
Drawing number	8501042a
Economizer	No
EU RoHS compliance	Yes with exemptions
EU RoHS exemption clause	6(a) 6(c)
Factory HP [bar]	25 bar
Factory LP [bar]	25 bar
Family	VTZ
Fitting remark	(shipped with rotolock version only)
Fitting sleeve	ODF
Fitting standard	Rotolock
Frequency [Hz]	35 - 90
Gauge port HP	None
Gauge port LP	Schrader

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Product Detail | Reciprocating compressor, VTZ054AGNR1A

PRODUCT DETAILS

Glass mounting	Threaded
Glass torque [Nm]	50 N-m
GP LP torque [Nm]	15 N-m
High Side TS Max	150 °C
High Side TS Min	-35 °C
High Side Volume	0.3 L
High value of nominal voltage at 50Hz [V]	480 V
High value of nominal voltage at 60Hz [V]	480 V
High value of voltage range at 50Hz [V]	480 V
High value of voltage range at 60Hz [V]	480 V
In scope of WEEE	No
IP protection class	IP54 (with cable gland)
Low Side TS Max	50 °C
Low Side TS Min	-35 °C
Low Side Volume	7.5 L
Low value of nominal voltage at 50Hz [V]	380 V
Low value of nominal voltage at 60Hz [V]	380 V
Low value of voltage range at 50Hz [V]	380 V
Low value of voltage range at 60Hz [V]	380 V
LRA	47 A
Max pressure (PS) - high side	29.4 bar
Max pressure (PS) - low side	22.6 bar
MMT	15 A
Model number	VTZ054AGNR1A
Motor protection	Motor protection by frequency converter
Mounting torque [Nm]	15 N-m
Network power supply [V/Ph/Hz]	380-415/3/50 460/3/60
Number of starts per hour [Max]	12
Oil charge [L]	0.95 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 N-m
Oil reference	160PZ
Packaging height [mm]	385 mm
Packaging length [mm]	330 mm
Packaging width [mm]	295 mm
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Screw 4.8 mm
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Refrigerant charge [kg] [Max]	2.5 kg
Refrigerants	R134a R404A

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PRODUCT DETAILS

	R407C
RLA	12 A
SCIP dossier no.	5a332c1b-1d1b-4998-8115-d0929877ecb4
Segment usage	Refrigeration MT
Shipped fittings	Suction and discharge solder sleeves, rotolock nuts and gaskets
Shipped instructions	Installation instructions
Shipped mounting	Mounting kit with grommets, bolts, nuts, sleeves and washers
Shipped oil	Initial oil charge
Suction connection height [mm]	263 mm
Suction connection material	-
Suction connection pipe size [in]	5/8 in
Suction connection size [in]	1 1/4 in
Swept volume [cm ³]	53.86 cm ³
Technology	Reciprocating
Test dif [bar] [Max]	30 bar
Test HP [bar] [Max]	30 bar
Test LP [bar] [Max]	25 bar
Torque earth [Nm]	4 N-m
Torque power [Nm]	3 N-m
Total height [mm]	356 mm
Viscosity [cP]	32 cP
Winding resistance for three-phase compressors with identical windings [Ohm]	2.08 Ohm

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