

**120F0296****Reciprocating compressor, NTZ108A1LR1B**

Refrigerants: R404A; R452A, Segment usage: Refrigeration LT, Compressor power supply [V]: 208-230/1/60, Packing format: Single pack

**PRODUCT DETAILS**

Gross weight	42.67 Kg
Net weight	37.7 Kg
Volume	61.54 Liter
EAN	5702428665162
Approval	CE UL UKCA
Auxiliary winding resistance (start winding) for single-phase compressors [Ohm]	1.84
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
Capacity of capacitor A	30 µF
Capacity of capacitor B	135 µF
Capacity of capacitor C	15 µF
China RoHS compliance	Out of scope
Colour	Blue
Compressor power supply [V]	208-230/1/60
Configuration code	Single
Connection type	Rotolock
Cylinder	2
Description	NTZ108-1B
Diameter [mm]	288 mm
Discharge connection height [mm]	74 mm
Discharge connection pipe size [in]	3/4 in
Discharge connection size [in]	1 1/4 in
Drawing number	8502012g
Economizer	No
EU RoHS compliance	Yes with exemptions
EU RoHS exemption clause	6(a), 6(a)-I, 7(a), 7(c)-I, 8(b), 9(b)
Factory HP [bar]	25 bar
Factory LP [bar]	25 bar
Family	NTZ
Fitting remark	(shipped with rotolock version only)
Fitting sleeve	ODF
Fitting standard	Rotolock
Frequency [Hz]	60
Gauge port HP	None
Gauge port LP	Schrader

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## Product Detail | Reciprocating compressor, NTZ108A1LR1B

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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	0.6 L
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	IP55 (with cable gland)
Low Side TS Max	50 °C
Low Side TS Min	-35 °C
Low Side Volume	16.5 L
Low value of nominal voltage at 60Hz [V]	208 V
Low value of voltage range at 60Hz [V]	187 V
LRA	97 A
Main winding resistance for single-phase compressors [Ohm]	0.45
Max pressure (PS) - high side	28.5 bar
Max pressure (PS) - low side	22.6 bar
MCC	33 A
Model number	NTZ108A1LR1B
Motor protection	Internal overload protector
Mounting torque [Nm]	15 N-m
Network power supply [V/Ph/Hz]	208-230/1/60
Number of starts per hour [Max]	12
Oil charge [L]	1.8 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 N-m
Oil reference	175PZ
Packaging height [mm]	450 mm
Packaging length [mm]	385 mm
Packaging width [mm]	375 mm
Packing format	Single pack
Packing quantity	1
Phase	1
Power connections	Spade
Product group	Hermetic compressors
Product Name Description	NTZ
Refrigerant charge [kg] [Max]	5 kg
Refrigerants	R404A R452A
Rotational speed at 60Hz [rpm]	3500 rpm
Segment usage	Refrigeration LT
Shipped fittings	Suction and discharge solder sleeves, rotolock nuts, and gaskets
Shipped instructions	Installation instructions

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Shipped mounting	Mounting kit with grommets, bolts, nuts, sleeves and washers
Shipped oil	Initial oil charge
Suction connection height [mm]	265 mm
Suction connection material	-
Suction connection pipe size [in]	7/8 in
Suction connection size [in]	1 3/4 in
Swept volume [cm <sup>3</sup> ]	108 cm <sup>3</sup>
Technology	Reciprocating
Test Dif [bar] [Max]	30 bar
Test HP [bar] [Max]	30 bar
Test LP [bar] [Max]	25 bar
Torque earth [Nm]	3 N-m
Torque power [Nm]	3 N-m
Total height [mm]	413 mm
Type	NTZ108
UK RoHS compliance	Out of scope
Viscosity [cP]	32 cP
Voltage of capacitor A [V]	440 V
Voltage of capacitor B [V]	330 V
Voltage of capacitor C [V]	440 V

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## Accessories

**120Z0763** [🔗](#)**Mounting, Compressor kit**

Mounting kit 2 cylinder

**8156134** [🔗](#)**Electrical component, Terminal box**

Service kit for terminal box 80 x 96 mm, including 1 cover, 1 clamp

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

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

**8153013** [🔗](#)**Connector, Solder Sleeve**

Solder sleeve, P07 (1-3/4" rotolock, 7/8" ODF)

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## Accessories

**8173002** [🔗](#)**Electrical component, Start capacitor**

Start capacitor 330V, 140 µF

**7701035** [🔗](#)**Electrical component, Starting kit**

PSC starting kit, 30 µF, 15 µF

**8156132** [🔗](#)**Connector, GASKET**

Gasket, 1-3/4"

**8153008** [🔗](#)**Connector, Solder Sleeve**

Solder sleeve, P04 (1-1/4" rotolock, 3/4" ODF)

**8156131** [🔗](#)**Connector, GASKET**

Gasket, 1-1/4"

**120Z0576** [🔗](#)**Acoustic hood, Reciprocating**

Acoustic hood for two-cylinder compressor

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

Discharge thermostat kit

## Spare Parts

**8168032** [🔗](#)**Connector, Rotolock service valve**

Rotolock valve, V07 (1-3/4" rotolock, 7/8" ODF)

**8156019** [🔗](#)**Connector, Sight glass**

Oil sight glass with gaskets (black and white)

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## Spare Parts

**8156145** **Connector, GASKET**

Gasket for oil sight glass (black chloroprene)

**7701035** **Electrical component, Starting kit**

PSC starting kit, 30 µF, 15 µF

**8173022** **Electrical component, Relay**

Starting relay type RVA-6AMKL/3ARR3J4A4

**7701042** **Electrical component, Starting kit**

CSR starting kit, 30 µF, 15 µF, 140 µF

**7773107** **Crankcase heater, Belt heater**

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

**120Z0638** **Lubricant, 175PZ**

POE lubricant, 175PZ, 1-litre can

**7703006** **Connector, Valve set**

Valve set, V07 (1-3/4"~7/8"), V04 (1-1/4"~3/4")

**120Z0459** **Crankcase heater, PTC heater**

PTC heater 27W, CE mark, UL

**8168029** **Connector, Rotolock service valve**

Rotolock valve, V04 (1-1/4" rotolock, 3/4" ODF)

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