

**120F0238****Reciprocating compressor, NTZ108A4LR1B**

Refrigerants: R404A; R452A, Segment usage: Refrigeration LT, Compressor power supply [V]: 400/3/50 460/3/60, Packing format: Single pack

PRODUCT DETAILS

Gross weight	37.5 Kilogram
Net weight	35 Kilogram
Volume	61.54 Liter
EAN	5702428521147
Approval	CE UKCA
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
China RoHS compliance	Out of scope
Colour	Blue
Compressor power supply [V]	400/3/50 460/3/60
Configuration code	Single
Connection type	Rotolock
Cylinder	2
Description	NTZ108-4B
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]	50
Gauge port HP	None
Gauge port LP	Schrader
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

Product Detail | Reciprocating compressor, NTZ108A4LR1B

PRODUCT DETAILS

High value of nominal voltage at 50Hz [V]	400 V
High value of voltage range at 50Hz [V]	440 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 50Hz [V]	380 V
Low value of voltage range at 50Hz [V]	340 V
LRA	45 A
Max pressure (PS) - high side	28.5 bar
Max pressure (PS) - low side	22.6 bar
MCC	12.1 A
Model number	NTZ108A4LR1B
Motor protection	Internal overload protector
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]	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	3
Power connections	Spade
Product group	Hermetic compressors
Product Name Description	Reciprocating compressor NTZ
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Refrigerant charge [kg] [Max]	5 kg
Refrigerants	R404A R452A
Rotational speed at 50Hz [rpm]	2900 rpm
SCIP dossier no.	9b3fb119-9852-486a-92dd-53aa9c96fd3b
Segment usage	Refrigeration LT
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]	265 mm
Suction connection material	-
Suction connection pipe size [in]	7/8 in

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Product Detail | Reciprocating compressor, NTZ108A4LR1B
PRODUCT DETAILS

Suction connection size [in]	1 3/4 in
Swept volume [cm³]	108 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]	3 N-m
Torque power [Nm]	3 N-m
Total height [mm]	413 mm
Type	NTZ108
UK RoHS compliance	Out of scope
Winding resistance for three-phase compressors with identical windings [Ohm]	4 Ohm

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

Accessories

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

Mounting kit 2 cylinder


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

Acoustic hood for two-cylinder compressor


8156009 [🔗](#)
Connector, Gasket

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


8156131 [🔗](#)
Connector, Gasket

Gasket, 1-1/4"


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

Discharge thermostat kit


8153013 [🔗](#)
Connector, Solder sleeve

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

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Accessories



8156132 [🔗](#)

Connector, Gasket

Gasket, 1-3/4"



8156134 [🔗](#)

Electrical component, Terminal box

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



8153008 [🔗](#)

Connector, Solder sleeve

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

Spare Parts



7773107 [🔗](#)

Crankcase heater, Belt heater

Belt type crankcase heater, 65 W, 230 V



120Z0466 [🔗](#)

Crankcase heater, Belt heater

Belt type crankcase heater, 65 W, 460 V



8156019 [🔗](#)

Connector, Sight glass

Oil sight glass with gaskets (black and white)



8168032 [🔗](#)

Connector, Rotolock service valve

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



120Z0459 [🔗](#)

Crankcase heater, PTC heater

PTC heater 27W



7773117 [🔗](#)

Crankcase heater, Belt heater

Belt type crankcase heater, 65 W, 400 V

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Spare Parts

**8156145** [🔗](#)**Connector, Gasket**

Gasket for oil sight glass (black chloroprene)

**8168029** [🔗](#)**Connector, Rotolock service valve**

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

**7703006** [🔗](#)**Connector, Valve set**

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

**120Z0891** [🔗](#)**Crankcase heater, Belt heater**Belt type crankcase heater, 65 W, 400 V

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