

**120F0282****Reciprocating compressor, NTZ108A3LR1B**

Refrigerants: R404A; R452A, Segment usage: Refrigeration LT, Compressor power supply [V]: 200-230/3/60, Packing format: Single pack

**PRODUCT DETAILS**

<b>Gross weight</b>	37.5 Kg
<b>Net weight</b>	35 Kg
<b>Volume</b>	61.54 Liter
<b>EAN</b>	5702428665308
<b>Approval</b>	CE UL UKCA
<b>Brand technique</b>	Reciprocating compressor
<b>Capacity control</b>	Fixed speed
<b>China RoHS compliance</b>	Out of scope
<b>Colour</b>	Blue
<b>Compressor power supply [V]</b>	200-230/3/60
<b>Configuration code</b>	Single
<b>Connection type</b>	Rotolock
<b>Cylinder</b>	2
<b>Description</b>	NTZ108-3B
<b>Diameter [mm]</b>	288 mm
<b>Discharge connection height [mm]</b>	74 mm
<b>Discharge connection pipe size [in]</b>	3/4 in
<b>Discharge connection size [in]</b>	1 1/4 in
<b>Drawing number</b>	8502012g
<b>Economizer</b>	No
<b>EU RoHS compliance</b>	Yes with exemptions
<b>EU RoHS exemption clause</b>	6(a), 6(a)-I, 7(a), 7(c)-I, 8(b), 9(b)
<b>Factory HP [bar]</b>	25 bar
<b>Factory LP [bar]</b>	25 bar
<b>Family</b>	NTZ
<b>Fitting remark</b>	(shipped with rotolock version only)
<b>Fitting sleeve</b>	ODF
<b>Fitting standard</b>	Rotolock
<b>Frequency [Hz]</b>	60
<b>Gauge port HP</b>	None
<b>Gauge port LP</b>	Schrader
<b>Glass mounting</b>	Threaded
<b>Glass torque [Nm]</b>	50 N-m
<b>GP LP torque [Nm]</b>	15 N-m
<b>High Side TS Max</b>	150 °C
<b>High Side TS Min</b>	-35 °C

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## Product Detail | Reciprocating compressor, NTZ108A3LR1B

## PRODUCT DETAILS

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]	200 V
Low value of voltage range at 60Hz [V]	180 V
LRA	72 A
Max pressure (PS) - high side	28.5 bar
Max pressure (PS) - low side	22.6 bar
MCC	21.4 A
Model number	NTZ108A3LR1B
Motor protection	Internal overload protector
Mounting torque [Nm]	15 N-m
Network power supply [V/Ph/Hz]	208-230/3/60
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	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
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

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**Product Detail | Reciprocating compressor, NTZ108A3LR1B**
**PRODUCT DETAILS**

<b>Swept volume [cm<sup>3</sup>]</b>	108 cm <sup>3</sup>
<b>Technology</b>	Reciprocating
<b>Test Dif [bar] [Max]</b>	30 bar
<b>Test HP [bar] [Max]</b>	30 bar
<b>Test LP [bar] [Max]</b>	25 bar
<b>Torque earth [Nm]</b>	3 N-m
<b>Torque power [Nm]</b>	3 N-m
<b>Total height [mm]</b>	413 mm
<b>Type</b>	NTZ108
<b>UK RoHS compliance</b>	Out of scope
<b>Viscosity [cP]</b>	32 cP

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


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

Discharge thermostat kit


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

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


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

Gasket, 1-1/4"


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

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


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

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

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**Product Detail | Reciprocating compressor, NTZ108A3LR1B****Accessories****8153013** [🔗](#)**Connector, Solder Sleeve**

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

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

Acoustic hood for two-cylinder compressor

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

Gasket, 1-3/4"

**Spare Parts****120Z0459** [🔗](#)**Crankcase heater, PTC heater**

PTC heater 27W, CE mark, UL

**7773107** [🔗](#)**Crankcase heater, Belt heater**

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

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

Oil sight glass with gaskets (black and white)

**7773109** [🔗](#)**Crankcase heater, Belt heater**

Belt type crankcase heater, 65 W, 110 V, CE mark, UL

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

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

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

Gasket for oil sight glass (black chloroprene)

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Spare Parts

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**120Z0638** [🔗](#)**Lubricant, 175PZ**POE lubricant, 175PZ, 1-litre can

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**8168032** [🔗](#)**Connector, Rotolock service valve**Rotolock valve, V07 (1-3/4" rotolock, 7/8" ODF)

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**8168029** [🔗](#)**Connector, Rotolock service valve**Rotolock valve, V04 (1-1/4" rotolock, 3/4" ODF)

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