

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

Refrigerant: R404A; R452A, Segment usage: Refrigeration LT, Compressor power supply [V/Ph/Hz]: 400/3/50 460/3/60

PRODUCT DETAILS

Gross weight	37.5 kg
Net weight	35 kg
EAN	5702428521147
Approval standard	CE
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
Colour	Blue
Compressor power supply [V/Ph/Hz]	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 mounting torque [Nm]	90 Nm
Discharge connection pipe size [in]	3/4 in
Discharge connection rotolock size [in]	1 1/4 in
Discharge connection size [in]	1 1/4 in
Discharge connection sleeve pipe size [in]	3/4 in
Drawing number	8502012g
Economizer	No
Factory HP [bar]	25 bar
Factory LP [bar]	25 bar
Fitting remark	(shipped with rotolock version only)
Fitting sleeve	ODF
Fitting standard	Rotolock
Frequency [Hz]	50
Gauge port HP	None
Gauge port LP	Schrader
Generation code	A
Glass mounting	Threaded
Glass torque [Nm]	50 Nm
GP LP torque [Nm]	15 Nm
High side max pressure (Ps)	28.5 bar
High Side TS Max	150 °C

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Product Detail | Reciprocating compressor, NTZ108A4LR1B

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High Side TS Min	-35 °C
High Side Volume	0.6 L
High value of nominal voltage at 50Hz [V]	400 V
High value of voltage range at 50Hz [V]	440 V
IP protection class	IP55 (with cable gland)
Low side max pressure (Ps)	22.6 bar
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
MCC	12.1 A
Model number	NTZ108A4LR1B
Motor protection	Internal overload protector
Mounting torque [Nm]	15 Nm
Number of starts per hour [Max]	12
Oil charge [L]	1.8 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 Nm
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
Refrigerant	R404A R452A
Refrigerant charge [kg] [Max]	5 kg
Relief valve	30 bar/8 bar
Rotational speed at 50Hz [rpm]	2900 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 mounting torque [Nm]	110 Nm
Suction connection pipe size [in]	7/8 in
Suction connection rotolock size [in]	1 3/4 in
Suction connection size [in]	1 3/4 in

Product Detail | Reciprocating compressor, NTZ108A4LR1B

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Suction connection sleeve pipe size [in]	7/8 in
Swept volume [cm ³]	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 Nm
Torque power [Nm]	3 Nm
Total height [mm]	413 mm
Type	NTZ
Type designation	Compressor
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



120Z0576 [🔗](#)

Acoustic hood for two-cylinder compressor

Acoustic hood for two-cylinder compressor



8156009 [🔗](#)

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

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



8156131 [🔗](#)

Gasket, 1-1/4"

Gasket, 1-1/4"



7750009 [🔗](#)

Discharge thermostat kit

Discharge thermostat kit



8153013 [🔗](#)

Adaptor

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



8156132 [🔗](#)

Gasket, 1-3/4"

Gasket, 1-3/4"

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Accessories

**8156134** **Service kit for terminal box 80 x 96 mm, including 1 cover, 1 clamp**

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

**8153008** **Adaptor**

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

Spare Parts

**7773107** **Belt type crankcase heater, 65 W, 230 V, CE mark, UL**

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

**120Z0466** **Belt type crankcase heater, 65 W, 460 V, CE mark, UL**

Belt type crankcase heater, 65 W, 460 V, CE mark, UL

**8156019** **Oil sight glass with gaskets (black and white)**

Oil sight glass with gaskets (black and white)

**8168032** **Rotolock valve, V07 (1-3/4" rotolock, 7/8" ODF), Service kit**

VALVE SETS V07 1 3/4"-7/8"

**120Z0459** **PTC heater 27W, CE mark, UL**

PTC heater 27W, CE mark, UL

**7773117** **Belt type crankcase heater, 65 W, 400 V, CE mark, UL**

Belt type crankcase heater, 65 W, 400 V, CE mark, UL

**8156145** **Gasket for oil sight glass (black chloroprene)**

Gasket for oil sight glass (black chloroprene)

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Spare Parts



8168029 [🔗](#)

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

VALVE SETS V04 1 1/4"-3/4"



7703006 [🔗](#)

Valve set

Packing format: Multi pack, Packing quantity: 6

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