

**120F0242****Reciprocating compressor, NTZ271A4LR1B**

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

PRODUCT DETAILS

Gross weight	67.5 kg
Net weight	64 kg
EAN	5702428521109
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	4
Description	NTZ271-4B
Diameter [mm]	352 mm
Discharge connection height [mm]	125 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	8504010f
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]	50/60
Gauge port HP	None
Gauge port LP	Schrader
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
High Side TS Min	-35 °C

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Product Detail | Reciprocating compressor, NTZ271A4LR1B

PRODUCT DETAILS

High Side Volume	1.2 L
High value of nominal voltage at 50Hz [V]	400 V
High value of nominal voltage at 60Hz [V]	460 V
High value of voltage range at 50Hz [V]	460 V
High value of voltage range at 60Hz [V]	506 V
IP protection class	IP54 (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	31 L
Low value of nominal voltage at 50Hz [V]	380 V
Low value of nominal voltage at 60Hz [V]	460 V
Low value of voltage range at 50Hz [V]	340 V
Low value of voltage range at 60Hz [V]	414 V
LRA	96 A
MCC	27 A
Model number	NTZ271A4LR1B
Motor protection	Internal overload protector
Mounting torque [Nm]	15 Nm
Nominal cooling capacity at 50Hz	3 kW
Nominal cooling capacity at 60Hz	9.5 kW
Number of starts per hour [Max]	12
Oil charge [L]	3.9 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 Nm
Oil reference	175PZ
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Screw connectors 10-32 UNF x 9.5
Refrigerant	R404A R452A
Refrigerant charge [kg] [Max]	10 kg
Relief valve	30 bar/8 bar
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
Segment usage	Refrigeration LT
Shipped fittings	Suction and discharge solder sleeves, rotolock nuts and gaskets
Suction connection height [mm]	233 mm
Suction connection mounting torque [Nm]	110 Nm
Suction connection pipe size [in]	1 1/8 in

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Suction connection rotolock size [in]	1 3/4 in
Suction connection size [in]	1 3/4 in
Suction connection sleeve pipe size [in]	1 1/8 in
Swept volume [cm ³]	271 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]	519 mm
Type	NTZ
Type designation	Compressor
Winding resistance for three-phase compressors with identical windings [Ohm]	1.61 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



8173230 [🔗](#)

T block connector 52 x 57 mm

T block connector 52 x 57 mm



8153004 [🔗](#)

Adaptor

Solder sleeve, P02 (1-3/4" rotolock, 1-1/8" ODF)



8153008 [🔗](#)

Adaptor

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



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

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Accessories

**8156132** [🔗](#)**Gasket, 1-3/4"**

Gasket, 1-3/4"

**8156007** [🔗](#)**Mounting kit**

Mounting kit 4 cyl high

**7750009** [🔗](#)**Discharge thermostat kit**

Discharge thermostat kit

**8156131** [🔗](#)**Gasket, 1-1/4"**

Gasket, 1-1/4"

**8156135** [🔗](#)**Service kit for terminal box 96 x 115 mm, including 1 cover, 1 clamp**

Service kit for terminal box 96 x 115 mm, including 1 cover, 1 clamp

Spare Parts

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

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

**8168028** [🔗](#)**Rotolock valve, V02 (1-3/4" rotolock, 1-1/8" ODF), Service kit**

VALVE SETS V02 1 3/4"-1 1/8"

**8156019** [🔗](#)**Oil sight glass with gaskets (black and white)**

Oil sight glass with gaskets (black and white)

**8156145** [🔗](#)**Gasket for oil sight glass (black chloroprene)**

Gasket for oil sight glass (black chloroprene)

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Spare Parts



7773118 [🔗](#)

Belt type crankcase heater, 75 W, 400 V, CE mark, UL

Belt type crankcase heater, 75 W, 400 V, CE mark, UL



7773108 [🔗](#)

Belt type crankcase heater, 75 W, 230 V, CE mark, UL

Belt type crankcase heater, 75 W, 230 V, CE mark, UL



120Z0459 [🔗](#)

PTC heater 27W, CE mark, UL

PTC heater 27W, CE mark, UL



7703009 [🔗](#)

Valve set

Packing format: Multi pack, Packing quantity: 6

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