

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

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	67.5 Kilogram
Net weight	64 Kilogram
Volume	100.75 Liter
EAN	5702428521109
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	4
Description	NTZ271-4B
Diameter [mm]	352 mm
Discharge connection height [mm]	125 mm
Discharge connection pipe size [in]	3/4 in
Discharge connection size [in]	1 1/4 in
Drawing number	8504010f
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]	50/60
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	1.2 L

Product Detail | Reciprocating compressor, NTZ271A4LR1B

PRODUCT DETAILS

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
In scope of WEEE and contain batteries	No
IP protection class	IP54 (with cable gland)
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
Max pressure (PS) - high side	28.5 bar
Max pressure (PS) - low side	22.6 bar
MCC	27 A
Model number	NTZ271A4LR1B
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]	3.9 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 N-m
Oil reference	175PZ
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Screw connectors 10-32 UNF x 9.5
Product group	Hermetic compressors
Product Name Description	Reciprocating compressor NTZ
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Refrigerant charge [kg] [Max]	10 kg
Refrigerants	R404A R452A
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
SCIP dossier no.	6971587b-85b6-4808-886d-274e8a9998d4
Segment usage	Refrigeration LT
Shipped fittings	Suction and discharge solder sleeves, rotolock nuts and gaskets
Suction connection height [mm]	233 mm

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Product Detail | Reciprocating compressor, NTZ271A4LR1B
PRODUCT DETAILS

Suction connection material	-
Suction connection pipe size [in]	1 1/8 in
Suction connection size [in]	1 3/4 in
Swept volume [cm³]	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 N-m
Torque power [Nm]	3 N-m
Total height [mm]	519 mm
Type	NTZ271
UK RoHS compliance	Out of scope
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, Reciprocating

Acoustic hood for two-cylinder compressor



8173230 [🔗](#)

Electrical component, T block

T block connector 52 x 57 mm



8153004 [🔗](#)

Connector, Solder sleeve

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



8153008 [🔗](#)

Connector, Solder sleeve

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



8156009 [🔗](#)

Connector, Gasket

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

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Accessories



8156132 [🔗](#)

Connector, Gasket

Gasket, 1-3/4"



8156007 [🔗](#)

Mounting, Compressor kit

Mounting kit 4 cyl high



7750009 [🔗](#)

Electrical component, Discharge thermostat kit

Discharge thermostat kit



8156131 [🔗](#)

Connector, Gasket

Gasket, 1-1/4"



8156135 [🔗](#)

Electrical component, Terminal box

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

Spare Parts



8168029 [🔗](#)

Connector, Rotolock service valve

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



8168028 [🔗](#)

Connector, Rotolock service valve

Rotolock valve, V02 (1-3/4" rotolock, 1-1/8" ODF)



8156019 [🔗](#)

Connector, Sight glass

Oil sight glass with gaskets (black and white)



8156145 [🔗](#)

Connector, Gasket

Gasket for oil sight glass (black chloroprene)

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Product Detail | Reciprocating compressor, NTZ271A4LR1B

Spare Parts

**120Z0464** [🔗](#)**Crankcase heater, Belt heater**

Belt type crankcase heater, 75 W, 460 V

**7773118** [🔗](#)**Crankcase heater, Belt heater**

Belt type crankcase heater, 75 W, 400 V

**7773108** [🔗](#)**Crankcase heater, Belt heater**

Belt type crankcase heater, 75 W, 230 V

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

PTC heater 27W

**7703009** [🔗](#)**Connector, Valve set**Valve set, V02 (1-3/4"~1-1/8"), V04 (1-1/4"~3/4")

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.