

**120F0285****Reciprocating compressor, NTZ271A3LR1B**

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

PRODUCT DETAILS

Gross weight	67.5 Kg
Net weight	64 Kg
Volume	100.75 Liter
EAN	5702428665278
Approval	CE UL UKCA
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
China RoHS compliance	Out of scope
Colour	Blue
Compressor power supply [V]	200-230/3/60
Configuration code	Single
Connection type	Rotolock
Cylinder	4
Description	NTZ271-3B
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]	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

Product Detail | Reciprocating compressor, NTZ271A3LR1B

PRODUCT DETAILS

High Side Volume	1.2 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	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 60Hz [V]	200 V
Low value of voltage range at 60Hz [V]	180 V
LRA	198 A
Max pressure (PS) - high side	28.5 bar
Max pressure (PS) - low side	22.6 bar
MCC	56.5 A
Model number	NTZ271A3LR1B
Motor protection	Internal overload protector
Mounting torque [Nm]	50 N-m
Network power supply [V/Ph/Hz]	208-230/3/60
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
Packaging height [mm]	670 mm
Packaging length [mm]	570 mm
Packaging width [mm]	400 mm
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
Refrigerant charge [kg] [Max]	10 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]	233 mm
Suction connection material	-
Suction connection pipe size [in]	1 1/8 in
Suction connection size [in]	1 3/4 in

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Product Detail | Reciprocating compressor, NTZ271A3LR1B
PRODUCT DETAILS

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
Viscosity [cP]	32 cP

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

Accessories

8156009 [↗](#)
Connector, Gasket

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


8153004 [↗](#)
Connector, Solder sleeve

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


8156132 [↗](#)
Connector, Gasket

Gasket, 1-3/4"


8153008 [↗](#)
Connector, Solder sleeve

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


8173230 [↗](#)
Electrical component, T block

T block connector 52 x 57 mm


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

Discharge thermostat kit

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Accessories

**8156007** [🔗](#)**Mounting, Compressor kit**

Mounting kit 4 cyl high

**8156135** [🔗](#)**Electrical component, Terminal box**

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

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

Gasket, 1-1/4"

**120Z0577** [🔗](#)**Acoustic hood, Reciprocating**

Acoustic hood for four-cylinder compressor

Spare Parts

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

Oil sight glass with gaskets (black and white)

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

PTC heater 27W

**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)

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

Belt type crankcase heater, 75 W, 230 V

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Spare Parts



7773110 [🔗](#)

Crankcase heater, Belt heater

Belt type crankcase heater, 75 W, 110 V



7703009 [🔗](#)

Connector, Valve set

Valve set, V02 (1-3/4"~1-1/8"), V04 (1-1/4"~3/4")



120Z0638 [🔗](#)

Lubricant, 175PZ

POE lubricant, 175PZ, 1-litre can



120Z0639 [🔗](#)

Lubricant, 175PZ

POE lubricant, 175PZ, 2.5L CAN



8168028 [🔗](#)

Connector, Rotolock service valve

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

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