

**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 Kg |
| Net weight | 64 Kg |
| 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 | 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 |

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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 |
| Proposition 65 | WARNING: Cancer and Reproductive Harm www.p65warnings.ca.gov |

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

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Accessories



8156132 [🔗](#)
Connector, GASKET
 Gasket, 1-3/4"



8156007 [🔗](#)
Mounting, Compressor kit
 Mounting kit for four-cylinder compressor and MS, including 4 grommets, 4 bolts



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)

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Spare Parts

**120Z0464** [🔗](#)**Crankcase heater, Belt heater**Belt type crankcase heater, 75 W, 460 V, CE mark, UL

**7773118** [🔗](#)**Crankcase heater, Belt heater**Belt type crankcase heater, 75 W, 400 V, CE mark, UL

**7773108** [🔗](#)**Crankcase heater, Belt heater**Belt type crankcase heater, 75 W, 230 V, CE mark, UL

**120Z0459** [🔗](#)**Crankcase heater, PTC heater**PTC heater 27W, CE mark, UL

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

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