

**120F0226****Reciprocating compressor, NTZ048A4LR1B**

Refrigerants: R404A; R452A; R454C; R455A, Segment usage: Refrigeration LT,
Compressor power supply [V]: 400/3/50 460/3/60, Packing format: Single pack

PRODUCT DETAILS

Gross weight	22.75 Kilogram
Net weight	21 Kilogram
Volume	37.73 Liter
EAN	5702428521086
Approval	CCC CE UL 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	1
Description	NTZ048-4B
Diameter [mm]	224 mm
Discharge connection height [mm]	68 mm
Discharge connection pipe size [in]	1/2 in
Discharge connection size [in]	1 in
Drawing number	8501026f
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
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

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Product Detail | Reciprocating compressor, NTZ048A4LR1B

PRODUCT DETAILS

High Side Volume	0.3 L
High value of nominal voltage at 50Hz [V]	400 V
High value of voltage range at 50Hz [V]	440 V
In scope of WEEE and contain batteries	No
IP protection class	IP55 (with cable gland)
Low Side TS Max	50 °C
Low Side TS Min	-35 °C
Low Side Volume	7.5 L
Low value of nominal voltage at 50Hz [V]	380 V
Low value of voltage range at 50Hz [V]	340 V
LRA	16 A
Max pressure (PS) - high side	28.5 bar
Max pressure (PS) - low side	22.6 bar
MCC	4.8 A
Model number	NTZ048A4LR1B
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]	0.95 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 N-m
Oil reference	175PZ
Packaging height [mm]	370 mm
Packaging length [mm]	385 mm
Packaging width [mm]	285 mm
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Spade
Product group	Hermetic compressors
Product Name Description	Reciprocating compressor NTZ
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Refrigerant charge [kg] [Max]	2.5 kg
Refrigerants	R404A R452A R454C R455A
Rotational speed at 50Hz [rpm]	2900 rpm
SCIP dossier no.	5a332c1b-1d1b-4998-8115-d0929877ecb4
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

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Product Detail | Reciprocating compressor, NTZ048A4LR1B

PRODUCT DETAILS

Shipped oil	Initial oil charge
Suction connection height [mm]	263 mm
Suction connection material	-
Suction connection pipe size [in]	5/8 in
Suction connection size [in]	1 1/4 in
Swept volume [cm ³]	48 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]	333 mm
Type	NTZ048
UK RoHS compliance	Out of scope
Winding resistance for three-phase compressors with identical windings [Ohm]	11.55 Ohm

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

Accessories



8156134 [↗](#)

Electrical component, Terminal box

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



8156130 [↗](#)

Connector, Gasket

Gasket, 1"



8156001 [↗](#)

Mounting, Compressor kit

Mounting kit 1 cyl high



7750009 [↗](#)

Electrical component, Discharge thermostat kit

Discharge thermostat kit



8153011 [↗](#)

Connector, Solder sleeve

Solder sleeve, P09 (1-1/4" rotolock, 5/8" ODF)

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Product Detail | Reciprocating compressor, NTZ048A4LR1B**Accessories****120Z0575** [🔗](#)**Acoustic hood, Reciprocating**

Acoustic hood for one-cylinder compressor

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

Gasket, 1-1/4"

**8156009** [🔗](#)**Connector, Gasket**

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

**8153007** [🔗](#)**Connector, Solder sleeve**

Solder sleeve, P06 (1" rotolock, 1/2" ODF)

Spare Parts**7703005** [🔗](#)**Connector, Valve set**

Valve set, V09 (1-1/4"~5/8"), V06 (1"~1/2")

**8168031** [🔗](#)**Connector, Rotolock service valve**

Rotolock valve, V06 (1" rotolock, 1/2" ODF)

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

Oil sight glass with gaskets (black and white)

**8156145** [🔗](#)**Connector, Gasket**

Gasket for oil sight glass (black chloroprene)

**7773106** [🔗](#)**Crankcase heater, Belt heater**

Belt type crankcase heater, 54 W, 230 V

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Spare Parts

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

**7773013** [🔗](#)**Crankcase heater, Belt heater**Belt type crankcase heater, 54 W, 400 V (NAM/LAM only)

**8168033** [🔗](#)**Connector, Rotolock service valve**Rotolock valve, V09 (1-1/4" rotolock, 5/8" ODF)

**120Z0891** [🔗](#)**Crankcase heater, Belt heater**Belt type crankcase heater, 65 W, 400 V

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