

**120F0279****Reciprocating compressor, NTZ048A3LR1B**

Refrigerants: R404A; R452A; R454C; R454A; R455A, Segment usage: Refrigeration

LT, Compressor power supply [V]: 200-230/3/60, Packing format: Single pack

**PRODUCT DETAILS**

Gross weight	24.88 Kg
Net weight	23.02 Kg
Volume	37.73 Liter
EAN	5702428665339
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	1
Description	NTZ048-3B
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]	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, NTZ048A3LR1B

## PRODUCT DETAILS

High Side Volume	0.3 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	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 60Hz [V]	200 V
Low value of voltage range at 60Hz [V]	180 V
LRA	32 A
Max pressure (PS) - high side	28.5 bar
Max pressure (PS) - low side	22.6 bar
MCC	10.1 A
Model number	NTZ048A3LR1B
Motor protection	Internal overload protector
Mounting torque [Nm]	15 N-m
Network power supply [V/Ph/Hz]	208-230/3/60
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	NTZ
Refrigerant charge [kg] [Max]	2.5 kg
Refrigerants	R404A
	R452A
	R454C
	R454A
	R455A
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]	263 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, NTZ048A3LR1B

## PRODUCT DETAILS

Suction connection material	-
Suction connection pipe size [in]	5/8 in
Suction connection size [in]	1 1/4 in
Swept volume [cm <sup>3</sup> ]	48 cm <sup>3</sup>
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
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

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

Gasket, 1-1/4"

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

Discharge thermostat kit

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

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

**120Z0575** [🔗](#)**Acoustic hood, Reciprocating**

Acoustic hood for one-cylinder compressor

**8156134** [🔗](#)**Electrical component, Terminal box**

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

**8156130** [🔗](#)**Connector, GASKET**

Gasket, 1"

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, NTZ048A3LR1B

## Accessories

**8153011** **Connector, Solder Sleeve**

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

**8156001** **Mounting, Compressor kit**

Mounting kit for one and two-cylinder compressor, including 3 grommets, 3 bolts

**8156009** **Connector, GASKET**

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

## Spare Parts

**7773106** **Crankcase heater, Belt heater**

Belt type crankcase heater, 54 W, 230 V, CE mark, UL

**120Z0459** **Crankcase heater, PTC heater**

PTC heater 27W, CE mark, UL

**8168033** **Connector, Rotolock service valve**

Rotolock valve, V09 (1-1/4" rotolock, 5/8" ODF)

**8168031** **Connector, Rotolock service valve**

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

**8156145** **Connector, GASKET**

Gasket for oil sight glass (black chloroprene)

**7703005** **Connector, Valve set**

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

**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, NTZ048A3LR1B**

---

**Spare Parts**

---

**120Z0638** **Lubricant, 175PZ**

POE lubricant, 175PZ, 1-litre can

**8156019** **Connector, Sight glass**

Oil sight glass with 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.