

**120F0228****Reciprocating compressor, NTZ048A5LR1B**

Refrigerants: R404A; R452A; R454C; R455A, Segment usage: Refrigeration LT,
Compressor power supply [V]: 220-240/1/50, Packing format: Single pack

PRODUCT DETAILS

Gross weight	25 Kilogram
Net weight	22 Kilogram
Volume	37.73 Liter
EAN	5702428665704
Approval	CCC CE UL UKCA
Auxiliary winding resistance (start winding) for single-phase compressors [Ohm]	4.02
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
Capacity of capacitor A	20 µF
Capacity of capacitor B	100 µF
Capacity of capacitor C	10 µF
China RoHS compliance	Out of scope
Colour	Blue
Compressor power supply [V]	220-240/1/50
Configuration code	Single
Connection type	Rotolock
Cylinder	1
Description	NTZ048-5B
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

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Product Detail | Reciprocating compressor, NTZ048A5LR1B

PRODUCT DETAILS

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	0.3 L
High value of nominal voltage at 50Hz [V]	240 V
High value of voltage range at 50Hz [V]	264 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]	220 V
Low value of voltage range at 50Hz [V]	198 V
LRA	37 A
Main winding resistance for single-phase compressors [Ohm]	1.66
Max pressure (PS) - high side	28.5 bar
Max pressure (PS) - low side	22 bar
MCC	11 A
Model number	NTZ048A5LR1B
Motor protection	Internal overload protector
Mounting torque [Nm]	15 N-m
Network power supply [V/Ph/Hz]	220-240/1/50
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	1
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

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Product Detail | Reciprocating compressor, NTZ048A5LR1B

PRODUCT DETAILS

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
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
Voltage of capacitor A [V]	440 V
Voltage of capacitor B [V]	330 V
Voltage of capacitor C [V]	440 V

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

Accessories



8153007 [🔗](#)

Connector, Solder sleeve

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



8156131 [🔗](#)

Connector, Gasket

Gasket, 1-1/4"



120Z0575 [🔗](#)

Acoustic hood, Reciprocating

Acoustic hood for one-cylinder compressor

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Product Detail | Reciprocating compressor, NTZ048A5LR1B**Accessories****8156134** [🔗](#)**Electrical component, Terminal box**

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

**8173001** [🔗](#)**Electrical component, Start capacitor**

Start capacitor 330V, 98 µF

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

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

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

Discharge thermostat kit

**7701026** [🔗](#)**Electrical component, Starting kit**

PSC starting kit, 20 µF, 10 µF

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

Gasket, 1"

**8156001** [🔗](#)**Mounting, Compressor kit**

Mounting kit 1 cyl high

**8153011** [🔗](#)**Connector, Solder sleeve**

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

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

Gasket for oil sight glass (black chloroprene)

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Product Detail | Reciprocating compressor, NTZ048A5LR1B
Spare Parts

7701026 [🔗](#)
Electrical component, Starting kit

 PSC starting kit, 20 μ F, 10 μ F

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

PTC heater 27W


7701028 [🔗](#)
Electrical component, Starting kit

 CSR starting kit, prewired box, 20 μ F, 10 μ F, 98 μ F

8168033 [🔗](#)
Connector, Rotolock service valve

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


7703005 [🔗](#)
Connector, Valve set

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


8173022 [🔗](#)
Electrical component, Relay

Starting relay type RVA-6AMKL/3ARR3J4A4


7701022 [🔗](#)
Electrical component, Starting kit

 CSR starting kit, 20 μ F, 10 μ F, 98 μ F

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

Belt type crankcase heater, 54 W, 230 V


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)

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