

**MTZ18-4VI****Reciprocating compressor, MTZ18JA4BVE**

Refrigerants: R404A; R407C; R452A; R407A; R134a; R454C; R407F; R513A; R448A;
R455A; R454A; R449A, Segment usage: Refrigeration MT, Compressor power supply
[V]: 400/3/50 460/3/60, Packing format: Single pack

PRODUCT DETAILS

Gross weight	23.88 Kg
Net weight	22 Kg
Volume	37.73 Liter
EAN	5702428888240
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	MTZ018-4
Diameter [mm]	224 mm
Discharge connection height [mm]	68 mm
Discharge connection pipe size [in]	3/8 in
Discharge connection size [in]	1 in
Drawing number	8501024e
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	MTZ
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	0.3 L
High value of nominal voltage at 50Hz [V]	400 V

Product Detail | Reciprocating compressor, MTZ18JA4BVE

PRODUCT DETAILS

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	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 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	20 A
Max pressure (PS) - high side	29.4 bar
Max pressure (PS) - low side	22.6 bar
MCC	5 A
Model number	MTZ18JA4BVE
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]	385 mm
Packaging length [mm]	330 mm
Packaging weight [Kg]	24 kg
Packaging width [mm]	295 mm
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Spade
Product group	Hermetic compressors
Product Name Description	MTZ
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Refrigerant charge [kg] [Max]	3 kg
Refrigerants	R134a R404A R407A R407C R407F R448A R449A R452A

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 DETAILS

	R454C R455A R513A R454A
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
SCIP dossier no.	5a332c1b-1d1b-4998-8115- d0929877ecb4
Segment usage	Refrigeration MT
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]	1/2 in
Suction connection size [in]	1 in
Swept volume [cm ³]	30.23 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	MTZ018
UK RoHS compliance	Out of scope
Winding resistance for three- phase compressors with identical windings [Ohm]	9.37 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

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

Acoustic hood for one-cylinder compressor

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

Gasket set, 1", 1-1/4", 1-3/4", OSG 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.

Accessories

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

Discharge thermostat kit

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

Gasket, 1"

**120Z0638** [🔗](#)**Lubricant, 175PZ**

POE lubricant, 175PZ, 1-litre can

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

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

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

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

**8153010** [🔗](#)**Connector, Solder Sleeve**

Solder sleeve, P01 (1" rotolock, 3/8" ODF)

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

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

Spare Parts

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

PTC heater 27W, CE mark, UL

**8168027** [🔗](#)**Connector, Rotolock service valve**

Rotolock valve, V01 (1" rotolock, 3/8" ODF)

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, MTZ18JA4BVE

Spare Parts

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

Oil sight glass with gaskets (black and white)

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

Gasket for oil sight glass (black chloroprene)

**7703004** [🔗](#)**Connector, Valve set**

Valve set, V06 (1"~1/2"), V01 (1"~3/8")

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

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

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

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

**120Z0891** [🔗](#)**Crankcase heater, Belt heater**

Belt type crankcase heater, 65 W, 400 V

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.