

**MTZ18-3VI****Reciprocating compressor, MTZ18JA3BVE**

Refrigerants: R404A; R407C; R452A; R407A; R134a; R454C; R407F; R513A; R448A; R455A; R454A; R449A, Segment usage: Refrigeration MT, Compressor power supply [V]: 200-230/3/60, Packing format: Single pack

PRODUCT DETAILS

Gross weight	23.88 Kg
Net weight	22 Kg
Volume	37.73 Liter
EAN	5702428888257
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	MTZ018-3
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]	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, MTZ18JA3BVE

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	38 A
Max pressure (PS) - high side	29.4 bar
Max pressure (PS) - low side	22.6 bar
MCC	9.5 A
Model number	MTZ18JA3BVE
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]	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 R513A R454C R455A R454A
Rotational speed at 60Hz [rpm]	3500 rpm

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Product Detail | Reciprocating compressor, MTZ18JA3BVE
PRODUCT DETAILS

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 [cm³]	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]	2.58 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

8156134 [↗](#)
Electrical component, Terminal box

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


120Z0575 [↗](#)
Acoustic hood, Reciprocating

Acoustic hood for one-cylinder compressor


8153010 [↗](#)
Connector, Solder Sleeve

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

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

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Accessories

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

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

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

Discharge thermostat kit

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

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

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

Gasket, 1"

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

POE lubricant, 175PZ, 1-litre can

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

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

Spare Parts

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

Gasket for oil sight glass (black chloroprene)

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

PTC heater 27W, CE mark, UL

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

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

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Spare Parts



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)



7773106 [🔗](#)

Crankcase heater, Belt heater

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



7703004 [🔗](#)

Connector, Valve set

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

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