

**MTZ28-4VI****Reciprocating compressor, MTZ28JE4AVE**

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	24.88 Kg
Net weight	23 Kg
Volume	37.73 Liter
EAN	5702428980548
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	MTZ028-4
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

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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	29 A
Max pressure (PS) - high side	29.4 bar
Max pressure (PS) - low side	22.6 bar
MCC	7.5 A
Model number	MTZ28JE4AVE
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]	26 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]	2.5 kg
Refrigerants	R134a R404A R407A R407C R407F R448A R449A R452A

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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 [cm³]	48.06 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	MTZ028
UK RoHS compliance	Out of scope
Winding resistance for three-phase compressors with identical windings [Ohm]	6.3 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



120Z0760 [🔗](#)

Mounting, Compressor kit
Mounting kit 1 cylinder low



8156009 [🔗](#)

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

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Product Detail | Reciprocating compressor, MTZ28JE4AVE**Accessories****8153007** [↗](#)**Connector, Solder Sleeve**

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

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

Discharge thermostat kit

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

Gasket, 1"

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

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

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

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

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

POE lubricant, 175PZ, 1-litre can

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

Acoustic hood for one-cylinder compressor

Spare Parts**8168027** [↗](#)**Connector, Rotolock service valve**

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

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

Oil sight glass with gaskets (black and white)

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Spare Parts

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

Gasket for oil sight glass (black chloroprene)

**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)

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

PTC heater 27W, CE mark, UL

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

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

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

Belt type crankcase heater, 65 W, 400 V

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