

**MTZ22-3VI****Reciprocating compressor, MTZ22JC3BVE**

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 | 24.88 Kg |
| Net weight | 23 Kg |
| Volume | 37.73 Liter |
| EAN | 5702428980579 |
| 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 | MTZ022-3 |
| 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, MTZ22JC3BVE

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 | 11 A |
| Model number | MTZ22JC3BVE |
| 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] | 25 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 R513A R454C R455A R454A |
| Rotational speed at 60Hz [rpm] | 3500 rpm |

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Product Detail | Reciprocating compressor, MTZ22JC3BVE

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 [cm ³] | 38.12 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 | MTZ022 |
| 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



120Z0760 [🔗](#)

Mounting, Compressor kit

Mounting kit 1 cylinder low



8153010 [🔗](#)

Connector, Solder Sleeve

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



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, MTZ22JC3BVE**Accessories****8156134** [🔗](#)**Electrical component, Terminal box**

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

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

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

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

POE lubricant, 175PZ, 1-litre can

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

Gasket, 1"

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

Discharge thermostat kit

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

Acoustic hood for one-cylinder compressor

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

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

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

Gasket for oil sight glass (black chloroprene)

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

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

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Spare Parts



120Z0459 [↗](#)

Crankcase heater, PTC heater

PTC heater 27W, CE mark, UL



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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