

**MTZ36-4VI****Reciprocating compressor, MTZ36JG4BVE**

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

**PRODUCT DETAILS**

<b>Gross weight</b>	27.06 Kg
<b>Net weight</b>	25.22 Kg
<b>Volume</b>	37.209 Liter
<b>EAN</b>	5702428888165
<b>Approval standard</b>	CE UL CCC (except R407A R407F)
<b>Brand technique</b>	Reciprocating compressor
<b>Capacity control</b>	Fixed speed
<b>Colour</b>	Blue
<b>Compressor power supply [V/Ph/Hz]</b>	400/3/50 460/3/60
<b>Configuration code</b>	Single
<b>Connection type</b>	Rotolock
<b>Cylinder</b>	1
<b>Description</b>	MTZ036-4
<b>Diameter [mm]</b>	224 mm
<b>Discharge connection height [mm]</b>	68 mm
<b>Discharge connection pipe size [in]</b>	1/2 in
<b>Discharge connection size [in]</b>	1 in
<b>Drawing number</b>	8501025f
<b>Economizer</b>	No
<b>Factory HP [bar]</b>	25 bar
<b>Factory LP [bar]</b>	25 bar
<b>Family</b>	MTZ
<b>Fitting remark</b>	(shipped with rotolock version only)
<b>Fitting sleeve</b>	ODF
<b>Fitting standard</b>	Rotolock
<b>Frequency [Hz]</b>	50/60
<b>Gauge port HP</b>	None
<b>Gauge port LP</b>	Schrader
<b>Generation code</b>	A
<b>Glass mounting</b>	Threaded
<b>Glass torque [Nm]</b>	50 N-m
<b>GP LP torque [Nm]</b>	15 N-m
<b>High side max pressure (Ps)</b>	29.4 bar
<b>High Side TS Max</b>	150 °C
<b>High Side TS Min</b>	-35 °C

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## Product Detail | Reciprocating compressor, MTZ36JG4BVE

## PRODUCT DETAILS

High Side Volume	0.3 L
High value of nominal voltage at 50Hz [V]	400 V
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
IP protection class	IP55 (with cable gland)
Low side max pressure (Ps)	22.6 bar
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	38 A
MCC	9 A
Model Number	MTZ36JG4BVE
Motor protection	Internal overload protector
Mounting torque [Nm]	15 N-m
Network power supply [V/Ph/Hz]	380-415/3/50 460/3/60
Nominal cooling capacity at 50Hz	4.7 kW
Nominal cooling capacity at 60Hz	5.9 kW
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]	27 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
Refrigerant charge [kg] [Max]	2.5 kg
Refrigerants	R134a R404A R407A R407C R407F R448A

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## PRODUCT DETAILS

	R449A
	R452A
	R454C
	R455A
	R513A
<b>Relief valve</b>	None
<b>Rotational speed at 50Hz [rpm]</b>	2900 rpm
<b>Rotational speed at 60Hz [rpm]</b>	3500 rpm
<b>Segment usage</b>	Refrigeration MT
<b>Shipped fittings</b>	Suction and discharge solder sleeves, rotolock nuts and gaskets
<b>Shipped instructions</b>	Installation instructions
<b>Shipped mounting</b>	Mounting kit with grommets, bolts, nuts, sleeves and washers
<b>Shipped oil</b>	Initial oil charge
<b>Suction connection height [mm]</b>	263 mm
<b>Suction connection material</b>	-
<b>Suction connection pipe size [in]</b>	5/8 in
<b>Suction connection size [in]</b>	1 1/4 in
<b>Swept volume [cm<sup>3</sup>]</b>	60.47 cm <sup>3</sup>
<b>Technology</b>	Reciprocating
<b>Test dif [bar] [Max]</b>	30 bar
<b>Test HP [bar] [Max]</b>	30 bar
<b>Test LP [bar] [Max]</b>	25 bar
<b>Torque earth [Nm]</b>	3 N-m
<b>Torque power [Nm]</b>	3 N-m
<b>Total height [mm]</b>	356 mm
<b>Type</b>	MTZ036
<b>Winding resistance for three- phase compressors with identical windings [Ohm]</b>	5.92 Ohm

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## Accessories



**8156009** [🔗](#)

**Connector, GASKET**

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



**8153007** [🔗](#)

**Connector, Solder Sleeve**

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

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**Product Detail | Reciprocating compressor, MTZ36JG4BVE****Accessories****120Z0638** [🔗](#)**Lubricant, 175PZ**

POE lubricant, 175PZ, 1-litre can

**120Z0639** [🔗](#)**Lubricant, 175PZ**

POE lubricant, 175PZ, 2.5L CAN

**8156131** [🔗](#)**Connector, GASKET**

Gasket, 1-1/4"

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

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

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

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

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

Acoustic hood for one-cylinder compressor

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

Discharge thermostat kit

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

Gasket, 1"

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

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

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## Spare Parts

**7705006** [🔗](#)**Electrical component, MCI**

Electronic soft start kit, MCI 15 C

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

Oil sight glass with gaskets (black and white)

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

Gasket for oil sight glass (black chloroprene)

**7773013** [🔗](#)**Heater, Crankcase heater**

Belt type crankcase heater, 54 W, 400 V, UL

**7703005** [🔗](#)**Connector, Valve set**

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

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

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

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

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

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

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

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

PTC heater 27W, CE mark, UL

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