

**MTZ36-5VI****Reciprocating compressor, MTZ36JG5AVE**

Refrigerant: R134a; R404A; R407A; R407C; R407F; R448A; R449A; R452A; R454C; R455A; R513A, Segment usage: Air conditioning; Refrigeration MT, Compressor power supply [V/Ph/Hz]: 220-240/1/50

PRODUCT DETAILS

Gross weight	27.75 kg
Net weight	26 kg
EAN	5702428583091
Approval standard	CE UL R455A)
Auxiliary winding resistance (start winding) for single-phase compressors [Ohm]	4.23 Ohm
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
Capacity of capacitor A	25 µF
Capacity of capacitor B	135 µF
Capacity of capacitor C	10 µF
Colour	Blue
Compressor power supply [V/Ph/Hz]	220-240/1/50
Configuration code	Single
Connection type	Rotolock
Cylinder	1
Description	MTZ036-5
Diameter [mm]	224 mm
Discharge connection height [mm]	68 mm
Discharge connection mounting torque [Nm]	80 Nm
Discharge connection pipe size [in]	1/2 in
Discharge connection rotolock size [in]	1 in
Discharge connection size [in]	1 in
Discharge connection sleeve pipe size [in]	1/2 in
Drawing number	8501020e
Economizer	No
Factory HP [bar]	25 bar
Factory LP [bar]	25 bar
Fitting remark	(shipped with rotolock version only)
Fitting sleeve	ODF
Fitting standard	Rotolock
Frequency [Hz]	50

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Product Detail | Reciprocating compressor, MTZ36JG5AVE

PRODUCT DETAILS

Gauge port HP	None
Gauge port LP	Schrader
Generation code	A
Glass mounting	Threaded
Glass torque [Nm]	50 Nm
GP LP torque [Nm]	15 Nm
High side max pressure (Ps)	29.4 bar
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]	240 V
High value of nominal voltage at 60Hz [V]	0 V
High value of voltage range at 50Hz [V]	264 V
High value of voltage range at 60Hz [V]	0 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]	220 V
Low value of nominal voltage at 60Hz [V]	0 V
Low value of voltage range at 50Hz [V]	198 V
Low value of voltage range at 60Hz [V]	0 V
LRA	60 A
Main winding resistance for single-phase compressors [Ohm]	0.8 Ohm
MCC	22 A
Model number	MTZ36JG5AVE
Motor protection	Internal overload protector
Mounting torque [Nm]	15 Nm
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 Nm
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	1

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PRODUCT DETAILS

Power connections	Spade
Refrigerant	R134a R404A R407A R407C R407F R448A R449A R452A R513A R454C R455A
Refrigerant charge [kg] [Max]	2.5 kg
Relief valve	None
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	0 rpm
Segment usage	Air conditioning 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 mounting torque [Nm]	90 Nm
Suction connection pipe size [in]	5/8 in
Suction connection rotolock size [in]	1 1/4 in
Suction connection size [in]	1 1/4 in
Suction connection sleeve pipe size [in]	5/8 in
Swept volume [cm³]	60.47 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 Nm
Torque power [Nm]	3 Nm
Total height [mm]	356 mm
Type	MTZ
Type designation	Compressor
Voltage of capacitor A [V]	440 V
Voltage of capacitor B [V]	330 V
Voltage of capacitor C [V]	440 V

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Accessories

**8156134** [🔗](#)**Service kit for terminal box 80 x 96 mm, including 1 cover, 1 clamp**

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

**120Z0638** [🔗](#)**POE lubricant, 175PZ, 1-litre can**

POE lubricant, 175PZ, 1-litre can

**8153011** [🔗](#)**Adaptor**

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

**8173002** [🔗](#)**Start capacitor**

Start capacitor 330V, 140 µF

**120Z0575** [🔗](#)**Acoustic hood for one-cylinder compressor**

Acoustic hood for one-cylinder compressor

**8156130** [🔗](#)**Gasket, 1"**

Gasket, 1"

**8153007** [🔗](#)**Adaptor**

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

**8156001** [🔗](#)**Mounting kit**

Mounting kit 1 cyl high

**120Z0639** [🔗](#)**POE lubricant, 175PZ, 2.5L CAN**

POE lubricant, 175PZ, 2.5L CAN

**7750009** [🔗](#)**Discharge thermostat kit**

Discharge thermostat kit

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Product Detail | Reciprocating compressor, MTZ36JG5AVE

Accessories

**8156009** [🔗](#)**Gasket set, 1", 1-1/4", 1-3/4", OSG gaskets black and white**

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

**8156131** [🔗](#)**Gasket, 1-1/4"**

Gasket, 1-1/4"

**7701026** [🔗](#)**PSC starting kit, 20 µF, 10 µF**

PSC starting kit, 20 µF, 10 µF

Spare Parts

**8168033** [🔗](#)**Rotolock valve, V09 (1-1/4" rotolock, 5/8" ODF), Service kit**

VALVE SETS V09 1 1/4"-5/8"

**8173022** [🔗](#)**Starting relay type RVA-6AMKL/3ARR3J4A4**

Starting relay type RVA-6AMKL/3ARR3J4A4

**7703005** [🔗](#)**Valve set, V09 (1-1/4"~5/8"), V06 (1"~1/2"), Service kit**

SET OF VALVES V06-V09

**8156145** [🔗](#)**Gasket for oil sight glass (black chloroprene)**

Gasket for oil sight glass (black chloroprene)

**120Z0459** [🔗](#)**PTC heater 27W, CE mark, UL**

PTC heater 27W, CE mark, UL

**7701029** [🔗](#)**CSR starting kit, prewired box, 25 µF, 10 µF, 140 µF**

CSR starting kit, prewired box, 25 µF, 10 µF, 140 µF

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Spare Parts

**7773106** [🔗](#)**Belt type crankcase heater, 54 W, 230 V, CE mark, UL**Belt type crankcase heater, 54 W, 230 V, CE mark, UL

**7701023** [🔗](#)**CSR starting kit, 25 µF, 10 µF, 140 µF**CSR starting kit, 25 µF, 10 µF, 140 µF

**8168031** [🔗](#)**Rotolock valve, V06 (1" rotolock, 1/2" ODF), Service kit**VALVE SETS V06 1"-1/2"

**8156019** [🔗](#)**Oil sight glass with gaskets (black and white)**Oil sight glass with gaskets (black and white)

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