

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

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

PRODUCT DETAILS

Gross weight	27.75 Kg
Net weight	26 Kg
Volume	38.115 Liter
EAN	5702428583091
Approval standard	CE UL CCC (except R407A R407F)
Auxiliary winding resistance (start winding) for single-phase compressors [Ohm]	4.23
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 pipe size [in]	1/2 in
Discharge connection size [in]	1 in
Drawing number	8501020e
Economizer	No
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
Gauge port HP	None
Gauge port LP	Schrader
Generation code	A

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Product Detail | Reciprocating compressor, MTZ36JG5AVE

PRODUCT DETAILS

Glass mounting	Threaded
Glass torque [Nm]	50 N-m
GP LP torque [Nm]	15 N-m
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 voltage range at 50Hz [V]	264 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 voltage range at 50Hz [V]	198 V
LRA	60 A
Main winding resistance for single-phase compressors [Ohm]	0.8
MCC	22 A
Model Number	MTZ36JG5AVE
Motor protection	Internal overload protector
Mounting torque [Nm]	15 N-m
Network power supply [V/Ph/Hz]	220-240/1/50 208-230/1/60
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	1
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

Product Detail | Reciprocating compressor, MTZ36JG5AVE

PRODUCT DETAILS

	R449A
	R452A
	R454C
	R455A
	R513A
Relief valve	None
Rotational speed at 50Hz [rpm]	2900 rpm
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]	5/8 in
Suction connection size [in]	1 1/4 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 N-m
Torque power [Nm]	3 N-m
Total height [mm]	356 mm
Type	MTZ036
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 [🔗](#)

Electrical component, Terminal box

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



120Z0638 [🔗](#)

Lubricant, 175PZ

POE lubricant, 175PZ, 1-litre can

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Accessories



8153011 [🔗](#)

Connector, Solder Sleeve

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



8173002 [🔗](#)

Electrical component, Start capacitor

Start capacitor 330V, 140 µF



120Z0575 [🔗](#)

Acoustic hood, Reciprocating

Acoustic hood for one-cylinder compressor



8156130 [🔗](#)

Connector, GASKET

Gasket, 1"



8153007 [🔗](#)

Connector, Solder Sleeve

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



8156001 [🔗](#)

Mounting, Compressor kit

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



120Z0639 [🔗](#)

Lubricant, 175PZ

POE lubricant, 175PZ, 2.5L CAN



7750009 [🔗](#)

Electrical component, Discharge thermostat kit

Discharge thermostat kit



8156009 [🔗](#)

Connector, GASKET

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



8156131 [🔗](#)

Connector, GASKET

Gasket, 1-1/4"

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Accessories



7701026 [🔗](#)
Electrical component, Starting kit
PSC starting kit, 20 μ F, 10 μ F

Spare Parts



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



8173022 [🔗](#)
Electrical component, Relay
Starting relay type RVA-6AMKL/3ARR3J4A4



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



8156145 [🔗](#)
Connector, GASKET
Gasket for oil sight glass (black chloroprene)



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



7701029 [🔗](#)
Electrical component, Starting kit
CSR starting kit, prewired box, 25 μ F, 10 μ F, 140 μ F



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



7701023 [🔗](#)
Electrical component, Starting kit
CSR starting kit, 25 μ F, 10 μ F, 140 μ F

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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)

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