



Reciprocating compressor, MTZ36JG4BVE

MTZ36-4VI

Product details

Gross weight	27.75 kg
Net weight	26 kg
EAN	5702428888165
Approval standard	CCC CE UL
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
Colour	Blue
Compressor power supply [V/Ph/Hz]	400/3/50 460/3/60
Configuration code	Single

Connection type	Rotolock
Cylinder	1
Description	MTZ036-4
Diameter [mm]	224 mm
Discharge connection height [mm]	68 mm
Discharge connection mounting torque [Nm]	80 N-m
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	8501025f
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]	50/60

Gauge port HP	None
Gauge port LP	Schrader
Generation code	A
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]	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	9:00 AM
Model number	MTZ36JG4BVE
Motor protection	Internal overload protector
Mounting torque [Nm]	15 N-m
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
Refrigerant	R134a R404A R407A R407C R407F R507A R448A R449A R452A R513A
Refrigerant charge [kg] [Max]	2.5 kg
Relief valve	none
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 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 N-m
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 N-m
Torque power [Nm]	3 N-m