MTZ36-4VI

Reciprocating compressor, MTZ36JG4BVE

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

PRODUCT DETAILS

Gross weight	27.06 kg
Net weight	25.22 kg
EAN	5702428888165
Approval standard	CE UL R455A)
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 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	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 Nm
GP LP torque [Nm]	15 Nm

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PRODUCT DETAILS

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 A
Model number	MTZ36JG4BVE
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	3
Power connections	Spade
Refrigerant	R134a R404A R407A R407C R407F R448A R449A R452A

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PRODUCT DETAILS

	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]	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 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
Winding resistance for three-phase compressors with identical windings [Ohm]	5.92 Ohm

For Documents, Software, Visuals and more information, please use this link to visit the product page on Danfoss Product Store

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

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Accessories

8153007
Adaptor
Solder sleeve, P06 (1" rotolock, 1/2" ODF)

120Z0638
POE lubricant, 175PZ, 1-litre can
POE lubricant, 175PZ, 1-litre can

120Z0639
POE lubricant, 175PZ,2.5L CAN
POE lubricant, 175PZ,2.5L CAN

8156131
Gasket, 1-1/4"
Gasket, 1-1/4"

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

8153011
Adaptor
Solder sleeve, P09 (1-1/4" rotolock, 5/8" ODF)

120Z0575
Acoustic hood for one-cylinder compressor
Acoustic hood for one-cylinder compressor

7750009
Discharge thermostat kit
Discharge thermostat kit

8156130
Gasket, 1"
Gasket, 1"

8156001
Mounting kit
Mounting kit 1 cyl high

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Spare Parts

7705006
MCI
Electronic soft start kit, MCI 15 C

8156019
Oil sight glass with gaskets (black and white)
Oil sight glass with gaskets (black and white)

8156145
Gasket for oil sight glass (black chloroprene)
Gasket for oil sight glass (black chloroprene)

7773013
Belt type crankcase heater, 54 W, 400 V, UL
Belt type crankcase heater, 54 W, 400 V, UL

7703005
Valve set, V09 (1-1/4"~5/8"), V06 (1"~1/2"), Service kit
SET OF VALVES V06-V09

8168031
Rotolock valve, V06 (1" rotolock, 1/2" ODF), Service kit
VALVE SETS V06 1"-1/2"

7773106
Belt type crankcase heater, 54 W, 230 V, CE mark, UL
Belt type crankcase heater, 54 W, 230 V, CE mark, UL

8168033
Rotolock valve, V09 (1-1/4" rotolock, 5/8" ODF), Service kit
VALVE SETS V09 1 1/4"-5/8"

120Z0459
PTC heater 27W, CE mark, UL
PTC heater 27W, CE mark, UL

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