

**MTZ64-4VI****Reciprocating compressor, MTZ64HM4CVE**

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

**PRODUCT DETAILS**

<b>Gross weight</b>	40.75 Kg
<b>Net weight</b>	38.27 Kg
<b>Volume</b>	61.254 Liter
<b>EAN</b>	5702428980494
<b>Approval standard</b>	CE UL
<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>	2
<b>Description</b>	MTZ064-4
<b>Diameter [mm]</b>	288 mm
<b>Discharge connection height [mm]</b>	74 mm
<b>Discharge connection pipe size [in]</b>	3/4 in
<b>Discharge connection size [in]</b>	1 1/4 in
<b>Drawing number</b>	8502012g
<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>	D
<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
<b>High Side Volume</b>	0.6 L

## Product Detail | Reciprocating compressor, MTZ64HM4CVE

## PRODUCT DETAILS

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	16.5 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	64 A
MCC	14 A
Model Number	MTZ64HM4CVE
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	8 kW
Nominal cooling capacity at 60Hz	10.6 kW
Number of starts per hour [Max]	12
Oil charge [L]	1.8 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 N-m
Oil reference	175PZ
Packaging height [mm]	455 mm
Packaging length [mm]	395 mm
Packaging weight [Kg]	40 kg
Packaging width [mm]	365 mm
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Spade
Product Group	Hermetic compressors
Product Name Description	MTZ
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
0.1	
Refrigerant charge [kg] [Max]	5 kg
Refrigerants	R134a R404A R407A R407C R407F

## Product Detail | Reciprocating compressor, MTZ64HM4CVE

## PRODUCT DETAILS

	R448A
	R449A
	R452A
	R513A
<b>Relief valve</b>	30 bar/8 bar
<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>	265 mm
<b>Suction connection material</b>	-
<b>Suction connection pipe size [in]</b>	7/8 in
<b>Suction connection size [in]</b>	1 3/4 in
<b>Swept volume [cm<sup>3</sup>]</b>	107.71 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>	413 mm
<b>Type</b>	MTZ064
<b>Winding resistance for three- phase compressors with identical windings [Ohm]</b>	2.44 Ohm

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## Accessories



**8156134** [🔗](#)

**Electrical component, Terminal box**

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



**8153013** [🔗](#)

**Connector, Solder Sleeve**

Solder sleeve, P07 (1-3/4" rotolock, 7/8" ODF)



**8156131** [🔗](#)

**Connector, GASKET**

Gasket, 1-1/4"

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**Product Detail | Reciprocating compressor, MTZ64HM4CVE****Accessories****120Z0576** [🔗](#)**Acoustic hood, Reciprocating**

Acoustic hood for two-cylinder compressor

**120Z0638** [🔗](#)**Lubricant, 175PZ**

POE lubricant, 175PZ, 1-litre can

**8156009** [🔗](#)**Connector, GASKET**

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

**8156132** [🔗](#)**Connector, GASKET**

Gasket, 1-3/4"

**120Z0763** [🔗](#)**Mounting, Compressor kit**

Mounting kit 2 cylinder

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

Discharge thermostat kit

**8153008** [🔗](#)**Connector, Solder Sleeve**

Solder sleeve, P04 (1-1/4" rotolock, 3/4" ODF)

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

POE lubricant, 175PZ, 2.5L CAN

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

Electronic soft start kit, MCI 15 C

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Spare Parts

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**8168029** [↗](#)**Connector, Rotolock service valve**Rotolock valve, V04 (1-1/4" rotolock, 3/4" ODF)

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**7773107** [↗](#)**Heater, Belt heater**Belt type crankcase heater, 65 W, 230 V, CE mark, UL

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**8156019** [↗](#)**Connector, Sight glass**Oil sight glass with gaskets (black and white)

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**8168032** [↗](#)**Connector, Rotolock service valve**Rotolock valve, V07 (1-3/4" rotolock, 7/8" ODF)

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**7703006** [↗](#)**Connector, Valve set**Valve set, V07 (1-3/4"~7/8"), V04 (1-1/4"~3/4")

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**7773117** [↗](#)**Heater, Belt heater**Belt type crankcase heater, 65 W, 400 V, CE mark, UL

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

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

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**120Z0466** [↗](#)**Heater, Belt heater**Belt type crankcase heater, 65 W, 460 V, CE mark, UL

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