

**MTZ56-4VI****Reciprocating compressor, MTZ56HL4DVE**

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

Gross weight	40.5 Kg
Net weight	38 Kg
Volume	59.598 Liter
EAN	5702428980500
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	2
Description	MTZ056-4
Diameter [mm]	288 mm
Discharge connection height [mm]	74 mm
Discharge connection pipe size [in]	3/4 in
Discharge connection size [in]	1 1/4 in
Drawing number	8502012g
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]	50/60
Gauge port HP	None
Gauge port LP	Schrader
Generation code	C
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	0.6 L

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Product Detail | Reciprocating compressor, MTZ56HL4DVE

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	MTZ56HL4DVE
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	6.7 kW
Nominal cooling capacity at 60Hz	9.5 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]	39 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
Refrigerant charge [kg] [Max]	5 kg
Refrigerants	R134a R404A R407A R407C R407F R448A R449A R452A

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Product Detail | Reciprocating compressor, MTZ56HL4DVE
PRODUCT DETAILS

	R513A
Relief valve	30 bar/8 bar
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 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]	265 mm
Suction connection material	-
Suction connection pipe size [in]	7/8 in
Suction connection size [in]	1 3/4 in
Swept volume [cm³]	96.13 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]	413 mm
Type	MTZ056
Winding resistance for three- phase compressors with identical windings [Ohm]	2.44 Ohm

For Documents, Software, Visuals and more information, please use this link to visit the product page on Danfoss Product Store [↗](#)

Accessories


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



8156131 [↗](#)

Connector, GASKET

Gasket, 1-1/4"

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Accessories



8156134 [🔗](#)

Electrical component, Terminal box

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



8156132 [🔗](#)

Connector, GASKET

Gasket, 1-3/4"



7750009 [🔗](#)

Electrical component, Discharge thermostat kit

Discharge thermostat kit



8153008 [🔗](#)

Connector, Solder Sleeve

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



120Z0576 [🔗](#)

Acoustic hood, Reciprocating

Acoustic hood for two-cylinder compressor



120Z0763 [🔗](#)

Mounting, Compressor kit

Mounting kit 2 cylinder



120Z0639 [🔗](#)

Lubricant, 175PZ

POE lubricant, 175PZ, 2.5L CAN



8153013 [🔗](#)

Connector, Solder Sleeve

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

Spare Parts



7705006 [🔗](#)

Electrical component, MCI

Electronic soft start kit, MCI 15 C

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Spare Parts



8156019 [↗](#)

Connector, Sight glass

Oil sight glass with gaskets (black and white)



7773117 [↗](#)

Heater, Belt heater

Belt type crankcase heater, 65 W, 400 V, CE mark, UL



120Z0459 [↗](#)

Heater, PTC heater

PTC heater 27W, CE mark, UL



120Z0466 [↗](#)

Heater, Belt heater

Belt type crankcase heater, 65 W, 460 V, CE mark, UL



8168032 [↗](#)

Connector, Rotolock service valve

Rotolock valve, V07 (1-3/4" rotolock, 7/8" ODF)



7773107 [↗](#)

Heater, Belt heater

Belt type crankcase heater, 65 W, 230 V, CE mark, UL



8168029 [↗](#)

Connector, Rotolock service valve

Rotolock valve, V04 (1-1/4" rotolock, 3/4" ODF)



7703006 [↗](#)

Connector, Valve set

Valve set, V07 (1-3/4"~7/8"), V04 (1-1/4"~3/4")



8156145 [↗](#)

Connector, GASKET

Gasket for oil sight glass (black chloroprene)

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