

**MTZ72-4VM****Reciprocating compressor, MTZ72HN4CVE**

Refrigerants: R404A; R407C; R452A; R407A; R134a; R454C; R407F; R513A; R448A; R454A; R455A; R449A, Segment usage: Refrigeration MT, Compressor power supply [V]: 400/3/50 460/3/60, Packing format: Industrial pack

PRODUCT DETAILS

Gross weight	44.5 Kilogram
Net weight	42 Kilogram
Volume	56.316 Liter
EAN	5702428866941
Type	MTZ072
Product group	Hermetic compressors
Product Name Description	Reciprocating compressor MTZ
Approval	CE UL UKCA
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
CE mark	Yes
China RoHS compliance	Yes with exemptions
China RoHS exemption clause	7.1 7.3
Colour	Blue
Compressor power supply [V]	400/3/50 460/3/60
Configuration code	Single
Connection type	Rotolock
Contains batteries	No
Cylinder	2
Description	MTZ072-4
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
EU RoHS compliance	Yes with exemptions
EU RoHS exemption clause	6(a) 6(c)
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

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Product Detail | Reciprocating compressor, MTZ72HN4CVE

PRODUCT DETAILS

Gauge port HP	None
Gauge port LP	Schrader
Glass mounting	Threaded
Glass torque [Nm]	50 N-m
GP LP torque [Nm]	15 N-m
High Side TS Max	150 °C
High Side TS Min	-35 °C
High Side Volume	0.6 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]	440 V
High value of voltage range at 60Hz [V]	506 V
In scope of WEEE	No
IP protection class	IP55 (with cable gland)
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	85 A
Max pressure (PS) - high side	29.4 bar
Max pressure (PS) - low side	22.6 bar
MCC	18 A
Model number	MTZ72HN4CVE
Motor protection	Internal overload protector
Mounting torque [Nm]	15 N-m
Network power supply [V/Ph/Hz]	380-415/3/50 460/3/60
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]	550 mm
Packaging length [mm]	1150 mm
Packaging weight [Kg]	263 kg
Packaging width [mm]	800 mm
Packing format	Industrial pack
Packing quantity	6
Phase	3
Power connections	Spade
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Refrigerant charge [kg] [Max]	5 kg

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PRODUCT DETAILS
Refrigerants

R134a, R404A, R407A, R407C, R407F, R448A, R449A, R452A, R513A, R454A, R454C, R455A

Rotational speed at 50Hz [rpm] 2900 rpm

Rotational speed at 60Hz [rpm] 3500 rpm

SCIP dossier no. 9b3fb119-9852-486a-92dd-53aa9c96fd3b

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] 120.94 cm³
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

UL mark Yes

**Winding resistance for three-
phase compressors with identical
windings [Ohm]** 1.85 Ohm

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