

**MTZ144-4VM****Reciprocating compressor, MTZ144HV4AVE****Net price: USD 1,595.17 / List price: USD 4,370.34 / Discount: 63.50%**

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

Pack size 6

PRODUCT DETAILS

Gross weight	71.5 Kilogram
Net weight	69 Kilogram
Volume	91.728 Liter
EAN	5702428867382
Type	MTZ144
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	4
Description	MTZ144-4
Diameter [mm]	352 mm
Discharge connection height [mm]	125 mm
Discharge connection pipe size [in]	3/4 in
Discharge connection size [in]	1 1/4 in
Drawing number	8504011e
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, MTZ144HV4AVE

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	1.2 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	IP54 (with cable gland)
Low Side TS Max	50 °C
Low Side TS Min	-35 °C
Low Side Volume	31 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	130 A
Max pressure (PS) - high side	29.4 bar
Max pressure (PS) - low side	22.6 bar
MCC	36 A
Model number	MTZ144HV4AVE
Motor protection	Internal overload protector
Mounting torque [Nm]	50 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]	3.9 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 N-m
Oil reference	175PZ
Packaging height [mm]	650 mm
Packaging length [mm]	1150 mm
Packaging weight [Kg]	446 kg
Packaging width [mm]	800 mm
Packing format	Industrial pack
Packing quantity	6
Phase	3
Power connections	Screw connectors 10-32 UNF x 9.5
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Refrigerant charge [kg] [Max]	10 kg

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Product Detail | Reciprocating compressor, MTZ144HV4AVE

PRODUCT DETAILS

Refrigerants

R134a, R404A, R407A, R407C, R407F, R448A, R449A, R452A, R513A

Rotational speed at 50Hz [rpm] 2900 rpm**Rotational speed at 60Hz [rpm]** 3500 rpm**SCIP dossier no.** 6971587b-85b6-4808-886d-274e8a9998d4**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]** 233 mm**Suction connection material** -**Suction connection pipe size [in]** 1 1/8 in**Suction connection size [in]** 1 3/4 in**Swept volume [cm³]** 241.87 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]** 540 mm**UL mark** Yes**Winding resistance for three-
phase compressors with identical
windings [Ohm]** 1.15 Ohm**For Documents, Software, Visuals and more information, please use this link to visit the product page on Danfoss Product Store** [🔗](#)