

**MT80-3VI****Reciprocating compressor, MT80HP3CVE**

Refrigerants: R22, Segment usage: Refrigeration MT, Compressor power supply [V]: 200-230/3/60, Packing format: Single pack

PRODUCT DETAILS

Gross weight	44.5 Kg
Net weight	42 Kg
Volume	61.54 Liter
EAN	5702428839532
Approval	CE UL UKCA
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
China RoHS compliance	Out of scope
Colour	Blue
Compressor power supply [V]	200-230/3/60
Configuration code	Single
Connection type	Rotolock
Cylinder	2
Description	MT080-3
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	8502011e
Economizer	No
EU RoHS compliance	Yes with exemptions
EU RoHS exemption clause	6(a), 6(a)-I, 7(a), 7(c)-I, 8(b), 9(b)
Factory HP [bar]	25 bar
Factory LP [bar]	25 bar
Family	MT
Fitting remark	(shipped with rotolock version only)
Fitting sleeve	ODF
Fitting standard	Rotolock
Frequency [Hz]	60
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

Product Detail | Reciprocating compressor, MT80HP3CVE

PRODUCT DETAILS

High Side Volume	0.6 L
High value of nominal voltage at 60Hz [V]	230 V
High value of voltage range at 60Hz [V]	253 V
In scope of WEEE and contain batteries	No
IP protection class	IP54 (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 60Hz [V]	200 V
Low value of voltage range at 60Hz [V]	180 V
LRA	140 A
Max pressure (PS) - high side	27.8 bar
Max pressure (PS) - low side	18.4 bar
MCC	36 A
Model number	MT80HP3CVE
Motor protection	Internal overload protector
Mounting torque [Nm]	15 N-m
Network power supply [V/Ph/Hz]	208-230/3/60
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	160P
Packaging height [mm]	455 mm
Packaging length [mm]	395 mm
Packaging weight [Kg]	44 kg
Packaging width [mm]	365 mm
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Screw connectors 10-32 UNF x 9.5
Product group	Hermetic compressors
Product Name Description	MT
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Refrigerant charge [kg] [Max]	5 kg
Refrigerants	R22
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	-

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PRODUCT DETAILS

Suction connection pipe size [in]	1 1/8 in
Suction connection size [in]	1 3/4 in
Swept volume [cm³]	135.78 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	MT080
UK RoHS compliance	Out of scope
Viscosity [cP]	32 cP
Winding resistance for three-phase compressors with identical windings [Ohm]	0.49 Ohm
Proposition 65	WARNING: Cancer and Reproductive Harm www.p65warnings.ca.gov

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

Accessories

8153008 [🔗](#)
Connector, Solder Sleeve

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


8156009 [🔗](#)
Connector, GASKET

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


8173230 [🔗](#)
Electrical component, T block

T block connector 52 x 57 mm


120Z0576 [🔗](#)
Acoustic hood, Reciprocating

Acoustic hood for two-cylinder compressor


8156131 [🔗](#)
Connector, GASKET

Gasket, 1-1/4"

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Accessories

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

Gasket, 1-3/4"

**120Z0761** [🔗](#)**Mounting, Compressor kit**

Mounting kit 2 cylinder HP

**8153004** [🔗](#)**Connector, Solder Sleeve**

Solder sleeve, P02 (1-3/4" rotolock, 1-1/8" ODF)

**8156135** [🔗](#)**Electrical component, Terminal box**

Service kit for terminal box 96 x 115 mm, including 1 cover, 1 clamp

Spare Parts

**8156019** [🔗](#)**Connector, Sight glass**

Oil sight glass with gaskets (black and white)

**7703009** [🔗](#)**Connector, Valve set**

Valve set, V02 (1-3/4"~1-1/8"), V04 (1-1/4"~3/4")

**8156145** [🔗](#)**Connector, GASKET**

Gasket for oil sight glass (black chloroprene)

**120Z0459** [🔗](#)**Crankcase heater, PTC heater**

PTC heater 27W, CE mark, UL

**7773107** [🔗](#)**Crankcase heater, Belt heater**

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

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Spare Parts

**7773109** [🔗](#)**Crankcase heater, Belt heater**Belt type crankcase heater, 65 W, 110 V, CE mark, UL

**8168028** [🔗](#)**Connector, Rotolock service valve**Rotolock valve, V02 (1-3/4" rotolock, 1-1/8" ODF)

**7754001** [🔗](#)**Lubricant, 160P**Mineral oil, 160P, 2-litre can

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

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