

**MT50-3VI****Reciprocating compressor, MT50HK3CVE**

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

PRODUCT DETAILS

Gross weight	39.5 Kg
Net weight	37 Kg
Volume	61.54 Liter
EAN	5702428839631
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	MT050-3
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	8502012g
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, MT50HK3CVE

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	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 60Hz [V]	200 V
Low value of voltage range at 60Hz [V]	180 V
LRA	115 A
Max pressure (PS) - high side	27.8 bar
Max pressure (PS) - low side	18.4 bar
MCC	25 A
Model number	MT50HK3CVE
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]	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	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	-

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Product Detail | Reciprocating compressor, MT50HK3CVE
PRODUCT DETAILS

Suction connection pipe size [in]	7/8 in
Suction connection size [in]	1 3/4 in
Swept volume [cm³]	85.64 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	MT050
UK RoHS compliance	Out of scope
Viscosity [cP]	32 cP
Winding resistance for three-phase compressors with identical windings [Ohm]	0.74 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

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

Mounting kit 2 cylinder


8156009 [🔗](#)
Connector, GASKET

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


8153008 [🔗](#)
Connector, Solder Sleeve

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


8156134 [🔗](#)
Electrical component, Terminal box

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


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

Acoustic hood for two-cylinder compressor

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Accessories

**8153013** [🔗](#)**Connector, Solder Sleeve**

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

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

Gasket, 1-3/4"

**8156131** [🔗](#)**Connector, GASKET**

Gasket, 1-1/4"

Spare Parts

**7773109** [🔗](#)**Crankcase heater, Belt heater**

Belt type crankcase heater, 65 W, 110 V, CE mark, UL

**7754001** [🔗](#)**Lubricant, 160P**

Mineral oil, 160P, 2-litre can

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

Gasket for oil sight glass (black chloroprene)

**8168032** [🔗](#)**Connector, Rotolock service valve**

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

**8168029** [🔗](#)**Connector, Rotolock service valve**

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

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

PTC heater 27W, CE mark, UL

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

Spare Parts

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

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

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

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

Danfoss can accept no responsibility for possible errors in catalogs, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without sub-sequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.