

**MT50-4VI****Reciprocating compressor, MT50HK4CVE**

Refrigerants: R22, Segment usage: Refrigeration MT, Compressor power supply
[V/Ph/Hz]: 400/3/50 460/3/60

PRODUCT DETAILS

Gross weight	39.5 Kg
Net weight	37 Kg
Volume	62.049 Liter
EAN	5702428839624
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	MT050-4
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	MT
Fitting remark	(shipped with rotolock version only)
Fitting sleeve	ODF
Fitting standard	Rotolock
Gauge port HP	None
Gauge port LP	Schrader
Generation code	D
Glass mounting	Threaded
Glass torque [Nm]	50 N-m
GP LP torque [Nm]	15 N-m
High side max pressure (Ps)	27.8 bar
High Side TS Max	150 °C
High Side TS Min	-35 °C
High Side Volume	0.6 L

Product Detail | Reciprocating compressor, MT50HK4CVE

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
Low side max pressure (Ps)	18.4 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	47 A
MCC	11.5 A
Model number	MT50HK4CVE
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 60 kBTU/h	50.17 kBTU/h
Nominal cooling capacity at 50Hz	11.2 kW
Nominal cooling capacity at 60Hz	14.7 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	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	Reciprocating compressor MT
Refrigerant charge [kg] [Max]	5 kg
Refrigerants	R22
Relief valve	30 bar/8 bar
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
Segment usage	Refrigeration MT

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Product Detail | Reciprocating compressor, MT50HK4CVE
PRODUCT DETAILS

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]	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
Viscosity [cP]	32 cP
Winding resistance for three-phase compressors with identical windings [Ohm]	3.42 Ohm

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)


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

Acoustic hood for two-cylinder compressor


8156131 [↗](#)
Connector, Gasket

Gasket, 1-1/4"


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

Mounting kit 2 cylinder

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Product Detail | Reciprocating compressor, MT50HK4CVE**Accessories****8153013** [🔗](#)**Connector, Solder sleeve**

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

**8156009** [🔗](#)**Connector, Gasket**

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

**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"

Spare Parts**7705006** [🔗](#)**Electrical component, MCI**

Electronic soft start kit, MCI 15 C

**7754001** [🔗](#)**Lubricant, 160P**

Mineral oil, 160P, 2-litre can

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

PTC heater 27W

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

Oil sight glass with gaskets (black and white)

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

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

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Spare Parts

**8168032** [🔗](#)**Connector, Rotolock service valve**Rotolock valve, V07 (1-3/4" rotolock, 7/8" ODF)

**7773117** [🔗](#)**Heater, Belt heater**Belt type crankcase heater, 65 W, 400 V

**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)

**120Z0466** [🔗](#)**Heater, Belt heater**Belt type crankcase heater, 65 W, 460 V

**7773107** [🔗](#)**Heater, Belt heater**Belt type crankcase heater, 65 W, 230 V

**120Z0891** [🔗](#)**Heater, Belt heater**Belt type crankcase heater, 65 W, 400 V

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