

**MT40-4VI****Reciprocating compressor, MT40JH4EVE**

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

PRODUCT DETAILS

Gross weight	28.88 Kg
Net weight	27 Kg
Volume	38.61 Liter
EAN	5702428839686
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	1
Description	MT040-4
Diameter [mm]	224 mm
Discharge connection height [mm]	68 mm
Discharge connection pipe size [in]	1/2 in
Discharge connection size [in]	1 in
Drawing number	8501025f
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	E
Glass mounting	Threaded
Glass torque [Nm]	50 N-m
GP LP torque [Nm]	15 N-m
High side max pressure (Ps)	29.4 bar
High Side TS Max	150 °C
High Side TS Min	-35 °C
High Side Volume	0.3 L

Product Detail | Reciprocating compressor, MT40JH4EVE

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	7.5 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	38 A
MCC	10 A
Model number	MT40JH4EVE
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	43 kBTU/h
Nominal cooling capacity at 50Hz	9.4 kW
Nominal cooling capacity at 60Hz	12.6 kW
Number of starts per hour [Max]	12
Oil charge [L]	0.95 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 N-m
Oil reference	160P
Packaging height [mm]	385 mm
Packaging length [mm]	330 mm
Packaging weight [Kg]	28 kg
Packaging width [mm]	295 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]	2.5 kg
Refrigerants	R22
Relief valve	None
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
Segment usage	Refrigeration MT

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, MT40JH4EVE
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]	263 mm
Suction connection material	-
Suction connection pipe size [in]	5/8 in
Suction connection size [in]	1 1/4 in
Swept volume [cm³]	67.89 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]	356 mm
Type	MT040
Viscosity [cP]	32 cP
Winding resistance for three-phase compressors with identical windings [Ohm]	4.05 Ohm

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

Accessories

8153011 [↗](#)
Connector, Solder sleeve

Solder sleeve, P09 (1-1/4" rotolock, 5/8" 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


8153007 [↗](#)
Connector, Solder sleeve

Solder sleeve, P06 (1" rotolock, 1/2" ODF)

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

**8156001** [🔗](#)**Mounting, Compressor kit**

Mounting kit 1 cyl high

**8156130** [🔗](#)**Connector, Gasket**

Gasket, 1"

**120Z0575** [🔗](#)**Acoustic hood, Reciprocating**

Acoustic hood for one-cylinder compressor

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

Gasket, 1-1/4"

Spare Parts

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

Electronic soft start kit, MCI 15 C

**7773013** [🔗](#)**Heater, Crankcase heater**

Belt type crankcase heater, 54 W, 400 V (NAM/LAM only)

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

Gasket for oil sight glass (black chloroprene)

**8168031** [🔗](#)**Connector, Rotolock service valve**

Rotolock valve, V06 (1" rotolock, 1/2" ODF)

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

PTC heater 27W

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.

Product Detail | Reciprocating compressor, MT40JH4EVE

Spare Parts

**7773106** [🔗](#)**Heater, Crankcase heater**

Belt type crankcase heater, 54 W, 230 V

**7703005** [🔗](#)**Connector, Valve set**

Valve set, V09 (1-1/4"~5/8"), V06 (1"~1/2")

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

Oil sight glass with gaskets (black and white)

**7754001** [🔗](#)**Lubricant, 160P**

Mineral oil, 160P, 2-litre can

**8168033** [🔗](#)**Connector, Rotolock service valve**

Rotolock valve, V09 (1-1/4" rotolock, 5/8" ODF)

**120Z0891** [🔗](#)**Heater, Belt heater**

Belt type crankcase heater, 65 W, 400 V

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.