

**MT22-5VI****Reciprocating compressor, MT22JC5PVE**

Refrigerants: R22, Segment usage: Refrigeration MT, Compressor power supply
[V/Ph/Hz]: 220-240/1/50

PRODUCT DETAILS

Gross weight	24.75 Kg
Net weight	23 Kg
Volume	37.586 Liter
EAN	5702428662499
Approval standard	CCC CE
Auxiliary winding resistance (start winding) for single-phase compressors [Ohm]	3.83
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
Capacity of capacitor A	20 µF
Capacity of capacitor B	100 µF
Capacity of capacitor C	10 µF
Colour	Blue
Compressor power supply [V/Ph/ Hz]	220-240/1/50
Configuration code	Single
Connection type	Rotolock
Cylinder	1
Description	MT022-5
Diameter [mm]	224 mm
Discharge connection height [mm]	68 mm
Discharge connection pipe size [in]	3/8 in
Discharge connection size [in]	1 in
Drawing number	8501021e
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	P
Glass mounting	Threaded
Glass torque [Nm]	50 N-m
GP LP torque [Nm]	15 N-m

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, MT22JC5PVE

PRODUCT DETAILS

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
High value of nominal voltage at 50Hz [V]	240 V
High value of nominal voltage at 60Hz [V]	0 V
High value of voltage range at 50Hz [V]	264 V
High value of voltage range at 60Hz [V]	0 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]	220 V
Low value of nominal voltage at 60Hz [V]	0 V
Low value of voltage range at 50Hz [V]	198 V
Low value of voltage range at 60Hz [V]	0 V
LRA	41 A
Main winding resistance for single-phase compressors [Ohm]	1.35
MCC	15 A
Model number	MT22JC5PVE
Motor protection	Internal overload protector
Mounting torque [Nm]	15 N-m
Network power supply [V/Ph/Hz]	220-240/1/50 208-230/1/60
Nominal cooling capacity 60 kBTU/h	21.84 kBTU/h
Nominal cooling capacity at 50Hz	4.9 kW
Nominal cooling capacity at 60Hz	6.4 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]	25 kg
Packaging width [mm]	295 mm
Packing format	Single pack
Packing quantity	1
Phase	1
Power connections	Spade
Product group	Hermetic compressors
Product Name Description	Reciprocating compressor MT
Refrigerant charge [kg] [Max]	2.5 kg

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, MT22JC5PVE

PRODUCT DETAILS

Refrigerants	R22
Relief valve	None
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	0 rpm
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]	263 mm
Suction connection material	-
Suction connection pipe size [in]	1/2 in
Suction connection size [in]	1 in
Swept volume [cm ³]	38.12 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]	333 mm
Type	MT022
Viscosity [cP]	32 cP
Voltage of capacitor A [V]	440 V
Voltage of capacitor B [V]	330 V
Voltage of capacitor C [V]	440 V

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

Accessories



120Z0760 [🔗](#)

Mounting, Compressor kit

Mounting kit 1 cylinder low



8156009 [🔗](#)

Connector, Gasket

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



8153010 [🔗](#)

Connector, Solder sleeve

Solder sleeve, P01 (1" rotolock, 3/8" 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.

Product Detail | Reciprocating compressor, MT22JC5PVE**Accessories****120Z0575** [🔗](#)**Acoustic hood, Reciprocating**

Acoustic hood for one-cylinder compressor

**8173001** [🔗](#)**Electrical component, Start capacitor**

Start capacitor 330V, 98 µF

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

Gasket, 1"

**7701026** [🔗](#)**Electrical component, Starting kit**

PSC starting kit, 20 µF, 10 µF

**8153007** [🔗](#)**Connector, Solder sleeve**

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

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

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

Spare Parts**7701026** [🔗](#)**Electrical component, Starting kit**

PSC starting kit, 20 µF, 10 µF

**7754001** [🔗](#)**Lubricant, 160P**

Mineral oil, 160P, 2-litre can

**7701022** [🔗](#)**Electrical component, Starting kit**

CSR starting kit, 20 µF, 10 µF, 98 µF

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

**7701028** [🔗](#)**Electrical component, Starting kit**CSR starting kit, prewired box, 20 μ F, 10 μ F, 98 μ F**7703004** [🔗](#)**Connector, Valve set**

Valve set, V06 (1"~1/2"), V01 (1"~3/8")

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

PTC heater 27W

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

Gasket for oil sight glass (black chloroprene)

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

Belt type crankcase heater, 54 W, 230 V

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

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

**8173022** [🔗](#)**Electrical component, Relay**

Starting relay type RVA-6AMKL/3ARR3J4A4

**8168027** [🔗](#)**Connector, Rotolock service valve**

Rotolock valve, V01 (1" rotolock, 3/8" ODF)

**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.