

**MT28-5VI****Reciprocating compressor, MT28JE5PVE**

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

**PRODUCT DETAILS**

<b>Gross weight</b>	24.88 Kg
<b>Net weight</b>	23 Kg
<b>Volume</b>	37.586 Liter
<b>EAN</b>	5702428662413
<b>Approval standard</b>	CE
<b>Auxiliary winding resistance (start winding) for single-phase compressors [Ohm]</b>	3.26
<b>Brand technique</b>	Reciprocating compressor
<b>Capacity control</b>	Fixed speed
<b>Capacity of capacitor A</b>	20 µF
<b>Capacity of capacitor B</b>	100 µF
<b>Capacity of capacitor C</b>	10 µF
<b>Colour</b>	Blue
<b>Compressor power supply [V/Ph/ Hz]</b>	220-240/1/50
<b>Configuration code</b>	Single
<b>Connection type</b>	Rotolock
<b>Cylinder</b>	1
<b>Description</b>	MT028-5
<b>Diameter [mm]</b>	224 mm
<b>Discharge connection height [mm]</b>	68 mm
<b>Discharge connection pipe size [in]</b>	3/8 in
<b>Discharge connection size [in]</b>	1 in
<b>Drawing number</b>	8501021e
<b>Economizer</b>	No
<b>Factory HP [bar]</b>	25 bar
<b>Factory LP [bar]</b>	25 bar
<b>Family</b>	MT
<b>Fitting remark</b>	(shipped with rotolock version only)
<b>Fitting sleeve</b>	ODF
<b>Fitting standard</b>	Rotolock
<b>Gauge port HP</b>	None
<b>Gauge port LP</b>	Schrader
<b>Generation code</b>	P
<b>Glass mounting</b>	Threaded
<b>Glass torque [Nm]</b>	50 N-m
<b>GP LP torque [Nm]</b>	15 N-m
<b>High side max pressure (Ps)</b>	29.4 bar

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## Product Detail | Reciprocating compressor, MT28JE5PVE

## PRODUCT DETAILS

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	51 A
Main winding resistance for single-phase compressors [Ohm]	1.07
MCC	20 A
Model number	MT28JE5PVE
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	30.38 kBTU/h
Nominal cooling capacity at 50Hz	6.7 kW
Nominal cooling capacity at 60Hz	8.9 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]	26 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
Refrigerants	R22

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**Product Detail | Reciprocating compressor, MT28JE5PVE**
**PRODUCT DETAILS**

<b>Relief valve</b>	None
<b>Rotational speed at 50Hz [rpm]</b>	2900 rpm
<b>Rotational speed at 60Hz [rpm]</b>	0 rpm
<b>Segment usage</b>	Refrigeration MT
<b>Shipped fittings</b>	Suction and discharge solder sleeves, rotolock nuts and gaskets
<b>Shipped instructions</b>	Installation instructions
<b>Shipped mounting</b>	Mounting kit with grommets, bolts, nuts, sleeves and washers
<b>Shipped oil</b>	Initial oil charge
<b>Suction connection height [mm]</b>	263 mm
<b>Suction connection material</b>	-
<b>Suction connection pipe size [in]</b>	1/2 in
<b>Suction connection size [in]</b>	1 in
<b>Swept volume [cm<sup>3</sup>]</b>	48.06 cm <sup>3</sup>
<b>Technology</b>	Reciprocating
<b>Test dif [bar] [Max]</b>	30 bar
<b>Test HP [bar] [Max]</b>	30 bar
<b>Test LP [bar] [Max]</b>	25 bar
<b>Torque earth [Nm]</b>	3 N-m
<b>Torque power [Nm]</b>	3 N-m
<b>Total height [mm]</b>	333 mm
<b>Type</b>	MT028
<b>Viscosity [cP]</b>	32 cP
<b>Voltage of capacitor A [V]</b>	440 V
<b>Voltage of capacitor B [V]</b>	330 V
<b>Voltage of capacitor C [V]</b>	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


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

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


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

Acoustic hood for one-cylinder compressor

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**Accessories**

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

Start capacitor 330V, 98 µF

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

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

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

PSC starting kit, 20 µF, 10 µF

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

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

**8153010** [🔗](#)**Connector, Solder sleeve**

Solder sleeve, P01 (1" rotolock, 3/8" ODF)

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

Gasket, 1"

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**Spare Parts**

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

CSR starting kit, 20 µF, 10 µF, 98 µF

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

Belt type crankcase heater, 54 W, 230 V

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

Starting relay type RVA-6AMKL/3ARR3J4A4

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Spare Parts

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**7701028** [🔗](#)**Electrical component, Starting kit**CSR starting kit, prewired box, 20  $\mu$ F, 10  $\mu$ F, 98  $\mu$ F**8156145** [🔗](#)**Connector, Gasket**

Gasket for oil sight glass (black chloroprene)

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

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

**7701026** [🔗](#)**Electrical component, Starting kit**PSC starting kit, 20  $\mu$ F, 10  $\mu$ F**7754001** [🔗](#)**Lubricant, 160P**

Mineral oil, 160P, 2-litre can

**7703004** [🔗](#)**Connector, Valve set**

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

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

PTC heater 27W

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

Oil sight glass with gaskets (black and white)

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

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

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