

**MT28-4VI****Reciprocating compressor, MT28JE4AVE**

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

**PRODUCT DETAILS**

<b>Gross weight</b>	24.88 Kg
<b>Net weight</b>	23 Kg
<b>Volume</b>	39.146 Liter
<b>EAN</b>	5702428839778
<b>Approval standard</b>	CCC CE UL
<b>Brand technique</b>	Reciprocating compressor
<b>Capacity control</b>	Fixed speed
<b>Colour</b>	Blue
<b>Compressor power supply [V/Ph/Hz]</b>	400/3/50 460/3/60
<b>Configuration code</b>	Single
<b>Connection type</b>	Rotolock
<b>Cylinder</b>	1
<b>Description</b>	MT028-4
<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>	8501024e
<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>	A
<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
<b>High Side TS Max</b>	150 °C
<b>High Side TS Min</b>	-35 °C
<b>High Side Volume</b>	0.3 L

## Product Detail | Reciprocating compressor, MT28JE4AVE

## 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	29 A
MCC	7.5 A
Model number	MT28JE4AVE
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	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	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

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**Product Detail | Reciprocating compressor, MT28JE4AVE**
**PRODUCT DETAILS**

<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>Winding resistance for three-phase compressors with identical windings [Ohm]</b>	6.3 Ohm

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

**Accessories**

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

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


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

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


**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



**8156130** [🔗](#)

**Connector, Gasket**

Gasket, 1"



**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

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