

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

Refrigerants: R22, Segment usage: Refrigeration MT, Compressor power supply

[V]: 220-240/1/50, Packing format: Single pack

**PRODUCT DETAILS**

<b>Gross weight</b>	24.88 Kilogram
<b>Net weight</b>	23 Kilogram
<b>Volume</b>	37.73 Liter
<b>EAN</b>	5702428662413
<b>Approval</b>	CE UKCA
<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>China RoHS compliance</b>	Out of scope
<b>Colour</b>	Blue
<b>Compressor power supply [V]</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>EU RoHS compliance</b>	Yes with exemptions
<b>EU RoHS exemption clause</b>	6(a), 6(a)-I, 7(a), 7(c)-I, 8(b), 9(b)
<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>Frequency [Hz]</b>	50
<b>Gauge port HP</b>	None
<b>Gauge port LP</b>	Schrader
<b>Glass mounting</b>	Threaded

## PRODUCT DETAILS

Glass torque [Nm]	50 N-m
GP LP torque [Nm]	15 N-m
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 voltage range at 50Hz [V]	264 V
In scope of WEEE and contain batteries	No
IP protection class	IP55 (with cable gland)
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 voltage range at 50Hz [V]	198 V
LRA	51 A
Main winding resistance for single-phase compressors [Ohm]	1.07
Max pressure (PS) - high side	29.4 bar
Max pressure (PS) - low side	18.4 bar
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
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
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Refrigerant charge [kg] [Max]	2.5 kg
Refrigerants	R22
Rotational speed at 50Hz [rpm]	2900 rpm
SCIP dossier no.	5a332c1b-1d1b-4998-8115-d0929877ecb4
Segment usage	Refrigeration MT

**Product Detail | Reciprocating compressor, MT28JE5PVE****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>UK RoHS compliance</b>	Out of scope
<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