

**MT18-5VI****Reciprocating compressor, MT18JA5CVE**

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

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

**PRODUCT DETAILS**

<b>Gross weight</b>	23.88 Kilogram
<b>Net weight</b>	22 Kilogram
<b>Volume</b>	37.73 Liter
<b>EAN</b>	5702428662628
<b>Approval</b>	CCC CE UKCA
<b>Auxiliary winding resistance (start winding) for single-phase compressors [Ohm]</b>	3.83
<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>	MT018-5
<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

## PRODUCT DETAILS

Glass mounting	Threaded
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	40 A
Main winding resistance for single-phase compressors [Ohm]	1.35
Max pressure (PS) - high side	29.4 bar
Max pressure (PS) - low side	18.4 bar
MCC	10 A
Model number	MT18JA5CVE
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]	24 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]	3 kg
Refrigerants	R22
Rotational speed at 50Hz [rpm]	2900 rpm
SCIP dossier no.	5a332c1b-1d1b-4998-8115-d0929877ecb4
Segment usage	Refrigeration MT

## 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]	1/2 in
Suction connection size [in]	1 in
Swept volume [cm <sup>3</sup> ]	30.23 cm <sup>3</sup>
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	MT018
UK RoHS compliance	Out of scope
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