



## MT80-4VI 🗷

## Reciprocating compressor, MT80HP4CVE

Refrigerants: R22, Segment usage: Refrigeration MT, Compressor power supply [V]: 400/3/50 460/3/60, Packing format: Single pack

## **PRODUCT DETAILS**

Gross weight44.5 KilogramNet weight42 KilogramVolume61.54 LiterEAN5702428839525ApprovalCE UL UKCABrand techniqueReciprocating compressorCapacity controlFixed speedChina RoHS complianceOut of scopeColourBlueCompressor power supply [V]400/3/50 460/3/60Configuration codeSingleConnection typeRotolockCylinder2DescriptionMT080-4Diameter [mm]288 mm	
Volume  EAN  5702428839525  Approval  CE  UL  UKCA  Brand technique  Reciprocating compressor  Capacity control  Fixed speed  China RoHS compliance  Colour  Blue  Compressor power supply [V]  400/3/50 460/3/60  Configuration code  Connection type  Rotolock  Cylinder  2  Description  61.54 Liter  60.54 Liter  60.57 02428839525  CE  UL  UKCA  Brand technique  Reciprocating compressor  60.00 UK OF Scope  Colour  Single  Configuration code  Configuration code  Connection type  Rotolock  Cylinder  2  Description	
EAN  Approval  CE UL UKCA  Brand technique  Reciprocating compressor  Capacity control  China RoHS compliance  Colour  Blue  Compressor power supply [V]  400/3/50 460/3/60  Configuration code  Single  Connection type  Connection type  Colour  Rotlock  Cylinder  2  Description  MT080-4	
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Compressor power supply [V]400/3/50 460/3/60Configuration codeSingleConnection typeRotolockCylinder2DescriptionMT080-4	
Configuration codeSingleConnection typeRotolockCylinder2DescriptionMT080-4	
Connection type Rotolock Cylinder 2 Description MT080-4	_
Cylinder 2 Description MT080-4	
Description MT080-4	
Diameter [mm] 288 mm	
Discharge connection height [mm] 74 mm	
Discharge connection pipe size [in] 3/4 in	
Discharge connection size [in] 1 1/4 in	
Drawing number 8502012g	
Economizer 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)	
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	
Frequency [Hz] 50/60	
Gauge port HP None	
Gauge port LP Schrader	
Gauge port LP Schrader Glass mounting Threaded	
Glass mounting Threaded	
Glass mounting Threaded Glass torque [Nm] 50 N-m	

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High Side Volume	0.6 L
High value of nominal voltage at	400 V
50Hz [V]	
High value of nominal voltage at	460 V
60Hz [V]	
High value of voltage range at 50Hz	460 V
[V]	
High value of voltage range at 60Hz	506 V
[V]	
In scope of WEEE and contain	No
batteries	
IP protection class	IP55 (with cable gland)
Low Side TS Max	50 °C
Low Side TS Min	-35 ℃
Low Side Volume	16.5 L
Low value of nominal voltage at	380 V
50Hz [V]	
Low value of nominal voltage at	460 V
60Hz [V]	
Low value of voltage range at 50Hz	340 V
[V]	
Low value of voltage range at 60Hz	414 V
[V]	
LRA	85 A
Max pressure (PS) - high side	27.8 bar
Max pressure (PS) - low side	18.4 bar
MCC	18 A
Model number	MT80HP4CVE
Motor protection	Internal overload protector
Mounting torque [Nm]	15 N-m
Network power supply [V/Ph/Hz]	380-415/3/50 460/3/60
Number of starts per hour [Max]	12
Oil charge [L]	1.8 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	
Oil reference	30 N-m
	160P
Packaging height [mm]	455 mm
Packaging length [mm]	395 mm
Packaging weight [Kg]	44 kg
Packaging width [mm]	365 mm
Packing format	Single pack
Packing quantity	1
Phase	3
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]	5 kg
Refrigerants	R22
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
SCIP dossier no.	9b3fb119-9852-486a-92dd-53aa9c96fd3b
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PRODUCT DETAILS		
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]	265 mm	
Suction connection material	-	
Suction connection pipe size [in]	1 1/8 in	
Suction connection size [in]	1 3/4 in	
Swept volume [cm3]	135.78 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]	413 mm	
Туре	MT080	
UK RoHS compliance	Out of scope	
Viscosity [cP]	32 cP	
Winding resistance for three-	1.85 Ohm	
phase compressors with identical		
windings [Ohm]		