

**MT160-4VI****Reciprocating compressor, MT160HW4EVE**

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

[V]: 400/3/50 460/3/60, Packing format: Single pack

**PRODUCT DETAILS**

<b>Gross weight</b>	74.5 Kilogram
<b>Net weight</b>	71 Kilogram
<b>Volume</b>	100.75 Liter
<b>EAN</b>	5702428839860
<b>Approval</b>	CE UL UKCA
<b>Brand technique</b>	Reciprocating compressor
<b>Capacity control</b>	Fixed speed
<b>China RoHS compliance</b>	Out of scope
<b>Colour</b>	Blue
<b>Compressor power supply [V]</b>	400/3/50 460/3/60
<b>Configuration code</b>	Single
<b>Connection type</b>	Rotolock
<b>Cylinder</b>	4
<b>Description</b>	MT160-4
<b>Diameter [mm]</b>	352 mm
<b>Discharge connection height [mm]</b>	125 mm
<b>Discharge connection pipe size [in]</b>	3/4 in
<b>Discharge connection size [in]</b>	1 1/4 in
<b>Drawing number</b>	8504011e
<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>	50/60
<b>Gauge port HP</b>	None
<b>Gauge port LP</b>	Schrader
<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 TS Max</b>	150 °C
<b>High Side TS Min</b>	-35 °C

## PRODUCT DETAILS

High Side Volume	1.2 L
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
In scope of WEEE and contain batteries	No
IP protection class	IP54 (with cable gland)
Low Side TS Max	50 °C
Low Side TS Min	-35 °C
Low Side Volume	31 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	130 A
Max pressure (PS) - high side	27.8 bar
Max pressure (PS) - low side	18.4 bar
MCC	36 A
Model number	MT160HW4EVE
Motor protection	Internal overload protector
Mounting torque [Nm]	50 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]	3.9 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 N-m
Oil reference	160P
Packaging height [mm]	720 mm
Packaging length [mm]	570 mm
Packaging weight [Kg]	72 kg
Packaging width [mm]	400 mm
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Screw connectors 10-32 UNF x 9.5
Product group	Hermetic compressors
Product Name Description	Reciprocating compressor MT
REACH Candidate List substances	Lead (CAS no. 7439-92-1)
Refrigerant charge [kg] [Max]	10 kg
Refrigerants	R22
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
SCIP dossier no.	6971587b-85b6-4808-886d-274e8a9998d4

## PRODUCT DETAILS

<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>	233 mm
<b>Suction connection material</b>	-
<b>Suction connection pipe size [in]</b>	1 1/8 in
<b>Suction connection size [in]</b>	1 3/4 in
<b>Swept volume [cm<sup>3</sup>]</b>	271.55 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>	540 mm
<b>Type</b>	MT160
<b>UK RoHS compliance</b>	Out of scope
<b>Viscosity [cP]</b>	32 cP
<b>Winding resistance for three-phase compressors with identical windings [Ohm]</b>	1.15 Ohm