

Mbsm.pro, Danfoss, Compressor, MT100HS4D, 8.3HP, R22, 380V, 3PH

Category: compressor

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Model: MT100HS4D

Brand technique: Reciprocating compressor

Refrigerant: R22

Swept volume [cm³]: 171.26

Nominal cooling capacity 60 [kBTU/h]: 95.9

Nominal cooling capacity at 50Hz[kw]: 21.3

Nominal cooling capacity at 60Hz[kw]: 28.1

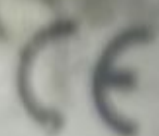
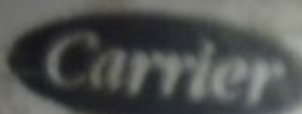
Voltage & frequency : 400V 3P 50Hz 460V 3P 60Hz



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Mbsm_dot_pro_private_PDF_MT100HS4DTélécharger





Model: 40 AB - 150

Total Charge R22 2x4.51KG

Volts $\pm 10\%$

PH/50HZ 380 VAC 3/50

Cooling Capacity
171,000 BTU/HR

Cooling Consump
20.25 KW/HR

Cooling Amps. 38 BTU/HR

Heating Capacity 18 KW

Heating Consump
20.25 KW/HR

Heating Amps. 32.0Amps

Compressor
13.8 FLA 19.4 LRA

Cond. Motor 7.3 FLA 4.0 HP

Evap. Motor 5.3 FLA 3.0 HP

Test Pressur
450H/250LPISG

Fuse Amps 50 Amp.

MCA 42 Amp.

Net Weight C385/ B205KG

Serial # 101932

2010/06-46300259/101932





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MT100 > MT100HS4D > 8 HP > Displacement: 171.26cm³/rev > Motor Power: 8.3HP

MT100 > MT100HS4DVE > 8 HP > Displacement: 171.26cm³/rev > Motor Power: 8.3HP

MT125 > MT125HU4D > 10 HP > Displacement: 215.44cm³/rev > Motor power:

10.4HP Model MODEL: MT18 MT18JA4BVE 1.5 HP Displacement: 30.23cm³/rev Motor

Power:

1.5HP MT22 MT22JC4AVE 1.8 HP Displacement: 38.12cm³/ rev Motor Power: 1.8HP

MT28 MT28JE4AVE 2 HP Displacement: 48.06cm³/rev Motor Power: 2.3HP

MT32 MT32JF4DVE 2.5 HP Displacement: 53.86cm³/rev Motor Power: 2.7HP

MT36 MT36JG4EVE 3 HP Displacement: 60.47cm³/rev Motor Power: 3.0HP

MT40 MT40JH4EVE 3 HP Displacement: 67.89cm³/rev Motor Power: 3.3HP MT44

MT44HJ4AVE 3.5 HP Displacement: 76.22cm³/rev Motor Power: 3.7HP

MT45 MT45HJ4AVE 4 HP Displacement: 76.22cm³/rev Motor Power: 3.8HP

MT50 MT50HK4BVE 4 HP Displacement: 85.64cm³/rev Motor Power: 4.2HP

MT51 MT51HK4AVE 4 HP Displacement: 85.64cm³/rev Motor Power: 4.3HP

MT56 MT56HL4AVE 4.5 HP Displacement: 96.13cm³/rev Motor Power: 4.7HP

MT57 MT57HL4AVE 4.5 HP Displacement: 96.13cm³/rev Motor Power: 4.8HP

MT64 MT64HM4CVE 5 HP Displacement: 107.71cm³/rev Motor Power: 5.3HP

MT65 MT65HM4AVE 5.5 HP Displacement: 107.71cm³/rev Motor Power: 5.4HP

MT72 MT72HN4AVE 6 HP Displacement: 120.94cm³/rev Motor Power: 6.0HP

MT73 MT73HN4AVE 6 HP Displacement: 120.94cm³/rev Motor Power: 6.1HP

MT80 MT80HP4AVE 6.5 HP Displacement: 135.78cm³/rev Motor Power: 6.7HP

MT81 MT81HP4AVE 6.5 HP Displacement: 135.78cm³/rev Motor Power: 6.8HP

MT100 MT100HS4D 8

HP Displacement: 171.26cm³/rev Motor power: 8.3HP

MT125 MT125HU4D 10 HP Displacement: 215.44cm³/rev Motor power: 10.4HP

MT125 MT125HU4DVE 10

HP : 241.87cm³/rev Motor power: 12.0HP

MT160 MT160HW4D 13 HP Displacement: 271.55cm³/rev Motor power: 13.3HP MT160

MT160HW4DVE 13 HP

Gross weight 66.38 kg
Net weight 61.8 kg
EAN 5702428839921

Approval standard	CE UL
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
Colour	Blue
Compressor power supply [V/Ph/Hz]	400/3/50 460/3/60
Configuration code	Single
Connection type	Rotolock
Cylinder	4
Description	MT100-4
Diameter [mm]	352 mm
Discharge connection height [mm]	125 mm
Discharge connection mounting torque [Nm]	90 Nm
Discharge connection pipe size [in]	3/4 in
Discharge connection rotolock size [in]	1 1/4 in
Discharge connection size [in]	1 1/4 in
Discharge connection sleeve pipe size [in]	3/4 in
Drawing number	8504010f
Economizer	No
Factory HP [bar]	25 bar
Factory LP [bar]	25 bar
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
Generation code	D
Glass mounting	Threaded
Glass torque [Nm]	50 Nm
GP LP torque [Nm]	15 Nm
High side max pressure (Ps)	27.8 bar
High Side TS Max	150 °C
High Side TS Min	-35 °C
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
IP protection class	IP54 (with cable gland)
Low side max pressure (Ps)	18.4 bar

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	90 A
MCC	22 A
Model number	MT100HS4EVE
Motor protection	Internal overload protector
Mounting torque [Nm]	50 Nm
Nominal cooling capacity 60 kBTU/h	95.9 kBTU/h
Nominal cooling capacity at 50Hz	21.3 kW
Nominal cooling capacity at 60Hz	28.1 kW
Number of starts per hour [Max]	12
Oil charge [L]	3.9 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 Nm
Oil reference	160P
Packaging height [mm]	720 mm
Packaging length [mm]	570 mm
Packaging weight [Kg]	70 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
Refrigerant	R22
Refrigerant charge [kg] [Max]	10 kg
Relief valve	30 bar/8 bar
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
Segment usage	Air conditioning 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]	233 mm
Suction connection mounting torque [Nm]	110 Nm
Suction connection pipe size [in]	1 1/8 in

Suction connection rotolock size [in]	1 3/4 in
Suction connection size [in]	1 3/4 in
Suction connection sleeve pipe size [in]	1 1/8 in
Swept volume [cm ³]	171.26 cm ³
Technology	Reciprocating
Test dif [bar] [Max]	30 bar
Test HP [bar] [Max]	30 bar
Test LP [bar] [Max]	25 bar
Torque earth [Nm]	3 Nm
Torque power [Nm]	3 Nm
Total height [mm]	519 mm
Type	MT
Type designation	Compressor
Viscosity [cP]	32 cP
Winding resistance for three-phase compressors with identical windings [Ohm]	2.12 Ohm