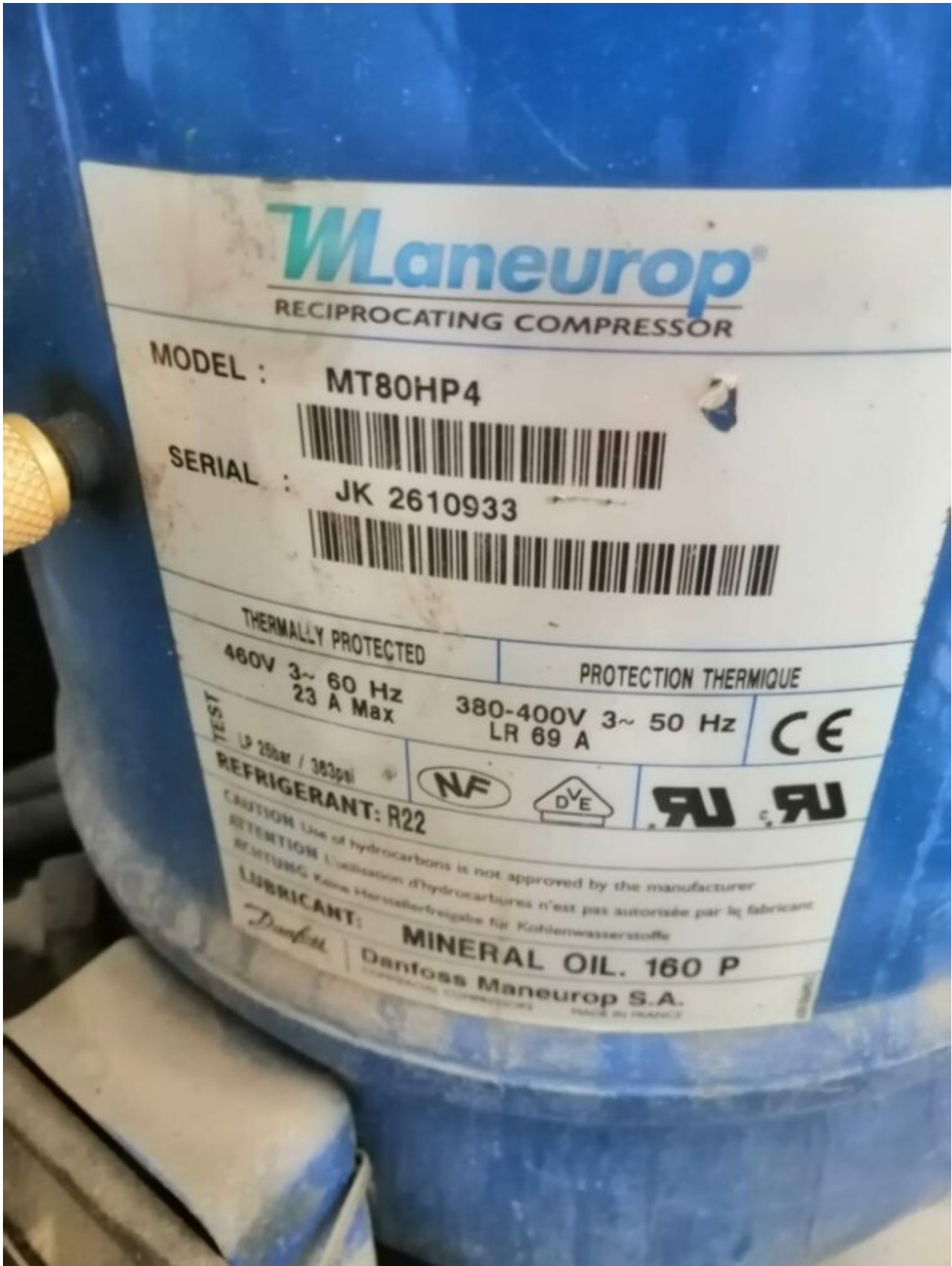


**Mbsm.pro, DANFOSS, MANEUROP,
ALTERNATOR, COMPRESSOR,
Mt80hp4, 6.6 hp, 3ph**

written by rober us | 30 March 2023



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DANFOSS MANEUROP ALTERNATOR COMPRESSOR

AIR DRYER

| | | | |
|---|--------------|-----------|--------------------|
| Type | FD1000 USD A | Serial nr | APF138497 |
| Weight | 560 kg | 400 | V 50 Hz 5,1 kW3 Ph |
| Comp air Pmax | 12 bar(e) | Tmax | 55 °C |
| Ambient: Max | 45 °C | Min | 0 °C |
| Refr. type: | R404 A | Amount | 6 kg |
| Refr. Pmax high | 29 bar | Pmax low | 26 bar |
| Year of construction | 20 08 | | |
| MADE BY ATLAS COPCO AIRPOWER n.v. WILRIJK BELGIUM | | | |

1017 4483 00

CE 0038

Atlas Copco



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Mbsm_dot_pro_private_PDF_Mt80hp4

Model (mineral oil R22; polyolester oil R134A, R404) (MT, MTZ, NTZ SERIES)

Danfoss Maneurop MT22JC5PVE Piston Compressor (2.0HP / 1PH); [R22]

Danfoss Maneurop MT22JC4AVE piston compressor (2.0HP / 3PH); [R22]

Danfoss Maneurop MT28JC5PVE AC Compressor (2.3HP/1PH); [R22]

Danfoss Maneurop MT28JE4AVE AC Compressor (2.3HP/3PH); [R22]

Danfoss Maneurop MT32JF5MVE AC Compressor (2.6HP/1PH); [R22]

Danfoss Maneurop MT32JF4DVE AC Compressor (2.6HP/3PH); [R22]

Danfoss Maneurop MT36JG5CVE AC Compressor (3.0HP/1PH); [R22]

Danfoss Maneurop MT36JG4FVE AC Compressor (3.0HP/3PH); [R22]

Danfoss Maneurop MT40JH4EVE AC Compressor (3.3HP/3PH); [R22]

Danfoss Maneurop MT44HJ4BVE reciprocating compressor (3.6HP / 3PH); [R22]

Danfoss Maneurop MT50HK4CVE Piston Compressor

(4.0HP/3PH); [R22]

Danfoss Maneurop MT56HL4BVE AC Compressor (4.6HP/3PH); [R22]

Danfoss Maneurop MT64HM4DVE AC Compressor (5.3HP/3PH); [R22]

Danfoss Maneurop MT72HN4AVE AC Compressor (6.0HP/3PH); [R22]

Danfoss Maneurop MT80HP4AVE AC Compressor (6.6HP/3PH); [R22]

Danfoss Maneurop MT100HS4DVE AC Compressor (8.3HP / 3PH); [R22]

Danfoss Maneurop MT125HU4DVE Reciprocating Compressor (10.0HP/3PH); [R22]

Danfoss Maneurop MT144HV4AVE Reciprocating Compressor (12.0HP/3PH); [R22]

Danfoss Maneurop MT160HW4EVE AC Compressor (13.3HP/3PH); [R22] Danfoss Maneurop MTZ22JC5VE AC Compressor (2.0HP/1PH); [R134A, R404]

Danfoss Maneurop MTZ22JC4AVE AC Compressor (2.0HP/3PH); [R134A, R404]

Danfoss Maneurop MTZ28JE5AVE AC Compressor (2.3HP / 1PH); [R134A, R404]

Danfoss Maneurop MTZ28JE4AVE AC Compressor (2.3HP / 3PH); [R134A, R404]

Danfoss Maneurop MTZ32JF5AVE AC Compressor (2.6HP/1PH); [R134A, R404]

Danfoss Maneurop MTZ32JF4BVE Reciprocating Compressor (2.6HP / 3PH); [R134A, R404]

Danfoss Maneurop MTZ36JG5AVE AC Compressor (3.0HP/1PH); [R134A, R404]

Danfoss Maneurop MTZ36JG4BVE Reciprocating Compressor (3.0HP / 3PH); [R134A, R404]

Danfoss Maneurop MTZ40JH4AVE reciprocating compressor (3.3HP / 3PH); [R134A, R404]

Danfoss Maneurop MTZ50HK4CVE Reciprocating Compressor (4.0HP / 3PH); [R134A, R404]

Danfoss Maneurop MTZ56HL4BVE Reciprocating Compressor (4.6HP / 3PH); [R134A, R404]

Danfoss Maneurop MTZ64HM4CVE Reciprocating Compressor (5.3HP / 3PH); [R134A, R404]

Danfoss Maneurop MTZ72HN4AVE Reciprocating Compressor (6.0HP/3PH); [R134A, R404]

Danfoss Maneurop MTZ80HP4AVE Reciprocating Compressor (6.6HP/3PH); [R134A, R404]

Danfoss Maneurop MTZ100HS4VE Reciprocating Compressor (8.3HP /

3PH); [R134A, R404]

Danfoss Maneurop MTZ125HU4VE Reciprocating Compressor (10.0HP/3PH); [R134A, R404]

Danfoss Maneurop MTZ144HV4AVE Reciprocating Compressor (12.0HP/3PH); [R134A, R404]

Danfoss Maneurop MTZ160HE4AVE AC Compressor (13.3HP/3PH); [R134A, R404]

Danfoss Maneurop NTZ048A4LR1A Reciprocating Compressor (2.0HP / 3PH); [R134A, R404, R507]

Danfoss Maneurop NTZ068A4LR1A Reciprocating Compressor (3.5HP / 3PH); [R134A, R404, R507]

Danfoss Maneurop NTZ096A4LR1A Reciprocating Compressor (4.5HP / 3PH); [R134A, R404, R507]

Danfoss Maneurop NTZ108A4LR1A AC Compressor (5.0HP / 3PH); [R134A, R404, R507]

Danfoss Maneurop NTZ136A4LR1A Reciprocating Compressor (6.5HP / 3PH); [R134A, R404, R507]

Danfoss Maneurop NTZ215A4LR1A Reciprocating Compressor (10.0HP / 3PH); [R134A, R404, R507]

Danfoss Maneurop NTZ271A4LR1A Piston Compressor (13.0HP / 3PH); [R134A, R404, R507]

Compressor, hermetic, medium temperature, 7 HP, r22, POE, MT80HP4, MT80 HP4, 400/3/50, 460/3/60 volt, 1-3/4" RL – 1-1/8" x 1-1/4" RL – 3/4"

written by Lilianne | 30 March 2023

Product details

| | |
|---------------------|---------------|
| Gross weight | 41.58 kg |
| Net weight | 39.1 kg |
| EAN | 5702428839525 |

| | |
|---|-----------------------------|
| 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 | 2 |
| Description | MT080-4 |
| Diameter [mm] | 288 mm |
| Discharge connection height [mm] | 74 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 | 8502012g |
| 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 | B |
| 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 | 0.6 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 | IP55 (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 | 16.5 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 | 80 A |
| MCC | 18 A |
| Model number | MT80HP4AVE |
| Motor protection | Internal overload protector |
| Mounting torque [Nm] | 15 Nm |
| Nominal cooling capacity 60 kBTU/h | 80.2 kBtu/h |
| Nominal cooling capacity at 50Hz | 17.8 kW |
| Nominal cooling capacity at 60Hz | 23.5 kW |
| Number of starts per hour [Max] | 12 |
| Oil charge [L] | 1.8 L |
| Oil equalization | 3/8" flare SAE |
| Oil equalization torque [Nm] | 30 Nm |
| Oil reference | 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 |
| Refrigerant | R22 |

| | |
|---|---|
| Refrigerant charge [kg] [Max] | 5 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] | 265 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 [cm³] | 135.78 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] | 413 mm |
| Type | MT |
| Type designation | Compressor |
| Viscosity [cP] | 32 cP |
| Winding resistance for three-phase compressors with identical windings [0hm] | 1.94 0hm |

Description

Product details

| | |
|---------------------|---------------|
| Gross weight | 44.5 kg |
| Net weight | 42 kg |
| EAN | 5702428839525 |
| Gross weight | 44.5 kg |
| Net weight | 42 kg |
| EAN | 5702428839525 |

| | |
|--|-----------------------------|
| 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 | 2 |
| Description | MT080-4 |

| | |
|---|--------------------------------------|
| Diameter [mm] | 288 mm |
| Discharge connection height [mm] | 74 mm |
| Discharge connection mounting torque [Nm] | 90 N-m |
| 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 | 8502012g |
| 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 | B |
| Glass mounting | Threaded |
| Glass torque [Nm] | 50 N-m |
| GP LP torque [Nm] | 15 N-m |
| High side max pressure (Ps) | 27.8 bar |
| High Side TS Max | 150 Â°C |
| High Side TS Min | -35 Â°C |
| High Side Volume | 0.6 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 | IP55 (with cable gland) |
| Low side max pressure (Ps) | 18.4 bar |
| Low Side TS Max | 50 Â°C |
| Low Side TS Min | -35 Â°C |
| Low Side Volume | 16.5 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 | 80 A |
| MCC | 18.5 A |
| Model number | MT80HP4AVE |
| Motor protection | Internal overload protector |
| Mounting torque [Nm] | 15 N-m |
| Nominal cooling capacity 60 kBTU/h | 80.2 kBtu/h |
| Nominal cooling capacity at 50Hz | 17.8 kW |
| Nominal cooling capacity at 60Hz | 23.5 kW |
| Number of starts per hour [Max] | 12 |
| Oil charge [L] | 1.8 L |

| | |
|--|---|
| Oil equalization | 3/8" flare SAE |
| Oil equalization torque [Nm] | 30 N-m |
| Oil reference | 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 |
| Refrigerant | R22 |
| Refrigerant charge [kg] [Max] | 5 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] | 265 mm |
| Suction connection mounting torque [Nm] | 110 N-m |

| | |
|---|-----------------------------|
| 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 [cm³] | 135.78 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 N-m |
| Torque power [Nm] | 3 N-m |
| Total height [mm] | 413 mm |
| Type | MT |
| Type designation | Compressor |
| Viscosity [cP] | 32 cP |
| Winding resistance for three-phase compressors with identical windings [Ohm] | 1.94 Ohm |
| 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 | 2 |

| | |
|---|--------------------------------------|
| Description | MT080-4 |
| Diameter [mm] | 288 mm |
| Discharge connection height [mm] | 74 mm |
| Discharge connection mounting torque [Nm] | 90 N-m |
| 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 | 8502012g |
| 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 | B |
| Glass mounting | Threaded |
| Glass torque [Nm] | 50 N-m |
| GP LP torque [Nm] | 15 N-m |
| High side max pressure (Ps) | 27.8 bar |
| High Side TS Max | 150 Â°C |
| High Side TS Min | -35 Â°C |
| High Side Volume | 0.6 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 | IP55 (with cable gland) |
| Low side max pressure (Ps) | 18.4 bar |
| Low Side TS Max | 50 Â°C |
| Low Side TS Min | -35 Â°C |
| Low Side Volume | 16.5 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 | 80 A |
| MCC | 18.5 A |
| Model number | MT80HP4AVE |
| Motor protection | Internal overload protector |
| Mounting torque [Nm] | 15 N-m |
| Nominal cooling capacity 60 kBTU/h | 80.2 kBtu/h |
| Nominal cooling capacity at 50Hz | 17.8 kW |
| Nominal cooling capacity at 60Hz | 23.5 kW |
| Number of starts per hour [Max] | 12 |

| | |
|---------------------------------------|--|
| Oil charge [L] | 1.8 L |
| Oil equalization | 3/8" flare SAE |
| Oil equalization torque [Nm] | 30 N-m |
| Oil reference | 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 |
| Refrigerant | R22 |
| Refrigerant charge [kg] [Max] | 5 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] | 265 mm |

| | |
|---|---------------|
| Suction connection mounting torque [Nm] | 110 N-m |
| 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 [cm3] | 135.78 cm3 |
| 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 |
| Type | MT |
| Type designation | Compressor |
| Viscosity [cP] | 32 cP |
| Winding resistance for three-phase compressors with identical windings [Ohm] | 1.94 Ohm |

Refrigerant: R22, Segment usage: Air conditioning;Refrigeration MT, Compressor power supply [V/Ph/Hz]: 400/3/50 460/3/60

Product details

| | |
|---------------------|---------------|
| Gross weight | 44.5 kg |
| Net weight | 42 kg |
| EAN | 5702428839525 |

| | |
|---------------------|---------------|
| Gross weight | 44.5 kg |
| Net weight | 42 kg |
| EAN | 5702428839525 |

| | |
|---|-----------------------------|
| 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 | 2 |
| Description | MT080-4 |
| Diameter [mm] | 288 mm |
| Discharge connection height [mm] | 74 mm |
| Discharge connection mounting torque [Nm] | 90 N-m |
| 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 | 8502012g |
| 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 | B |
| Glass mounting | Threaded |
| Glass torque [Nm] | 50 N-m |
| GP LP torque [Nm] | 15 N-m |
| High side max pressure (Ps) | 27.8 bar |
| High Side TS Max | 150 Â°C |
| High Side TS Min | -35 Â°C |
| High Side Volume | 0.6 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 | IP55 (with cable gland) |
| Low side max pressure (Ps) | 18.4 bar |
| Low Side TS Max | 50 Â°C |
| Low Side TS Min | -35 Â°C |
| Low Side Volume | 16.5 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 | 80 A |
| MCC | 18.5 A |
| Model number | MT80HP4AVE |
| Motor protection | Internal overload protector |
| Mounting torque [Nm] | 15 N-m |
| Nominal cooling capacity 60 kBTU/h | 80.2 kBtu/h |
| Nominal cooling capacity at 50Hz | 17.8 kW |
| Nominal cooling capacity at 60Hz | 23.5 kW |
| Number of starts per hour [Max] | 12 |
| Oil charge [L] | 1.8 L |
| Oil equalization | 3/8" flare SAE |
| Oil equalization torque [Nm] | 30 N-m |
| Oil reference | 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 |
| Refrigerant | R22 |
| Refrigerant charge [kg] [Max] | 5 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] | 265 mm |
| Suction connection mounting torque [Nm] | 110 N-m |
| 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 [cm³] | 135.78 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 N-m |
| Torque power [Nm] | 3 N-m |
| Total height [mm] | 413 mm |

| | |
|---|-----------------------------|
| Type | MT |
| Type designation | Compressor |
| Viscosity [cP] | 32 cP |
| Winding resistance for three-phase compressors with identical windings [Ohm] | 1.94 Ohm |
| 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 | 2 |
| Description | MT080-4 |
| Diameter [mm] | 288 mm |
| Discharge connection height [mm] | 74 mm |
| Discharge connection mounting torque [Nm] | 90 N-m |
| 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 | 8502012g |
| 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 | B |
| Glass mounting | Threaded |
| Glass torque [Nm] | 50 N-m |
| GP LP torque [Nm] | 15 N-m |
| High side max pressure (Ps) | 27.8 bar |
| High Side TS Max | 150 Â°C |
| High Side TS Min | -35 Â°C |
| High Side Volume | 0.6 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 | IP55 (with cable gland) |
| Low side max pressure (Ps) | 18.4 bar |
| Low Side TS Max | 50 Â°C |
| Low Side TS Min | -35 Â°C |
| Low Side Volume | 16.5 L |

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|---|-----------------------------|
| 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 | 80 A |
| MCC | 18.5 A |
| Model number | MT80HP4AVE |
| Motor protection | Internal overload protector |
| Mounting torque [Nm] | 15 N-m |
| Nominal cooling capacity 60 kBTU/h | 80.2 kBtu/h |
| Nominal cooling capacity at 50Hz | 17.8 kW |
| Nominal cooling capacity at 60Hz | 23.5 kW |
| Number of starts per hour [Max] | 12 |
| Oil charge [L] | 1.8 L |
| Oil equalization | 3/8" flare SAE |
| Oil equalization torque [Nm] | 30 N-m |
| Oil reference | 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 |

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|---|--|
| Refrigerant | R22 |
| Refrigerant charge [kg] [Max] | 5 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] | 265 mm |
| Suction connection mounting torque [Nm] | 110 N-m |
| 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 [cm³] | 135.78 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 N-m |

| | |
|---|------------|
| Torque power [Nm] | 3 N-m |
| Total height [mm] | 413 mm |
| Type | MT |
| Type designation | Compressor |
| Viscosity [cP] | 32 cP |
| Winding resistance for three-phase compressors with identical windings [Ohm] | 1.94 Ohm |







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Compresseur à piston Danfoss Maneurop MT22JC5PVE (2.0HP / 1PH)
Compresseur à piston Danfoss Maneurop MT22JC4AVE (2.0HP / 3PH)
Compresseur à piston Danfoss Maneurop MT28JC5PVE (2.3HP / 1PH)
Compresseur à piston Danfoss Maneurop MT22JC4AVE (2.0HP / 3PH)
Compresseur à piston Danfoss Maneurop MT28JC5PVE (2.3HP / 1PH)
Compresseur à piston Danfoss Maneurop 3PH (2.3HP / 1PH) 2.6HP / 1PH)
Compresseur à piston Danfoss Maneurop MT32JF4DVE (2.6HP / 3PH);
Compresseur à piston Danfoss Maneurop MT36JG5CVE (3.0HP / 1PH)
Compresseur à piston Danfoss Maneurop MT36JG4FVE (3.0HP / 3PH)
Compresseur à piston Danfoss Maneurop MT40JH4EVE (3.3HP / 3PH)
Danfoss Maneurop Compresseur à piston MT36JG4FVE (3.0HP / 3PH)
Compresseur à piston Danfoss Maneurop MT40JH4EVE (3.3HP / 3PH)
Danfoss Maneurop Compresseur à piston MT36JG4FVE (3.0HP / 3PH)
Compresseur à piston Danfoss Maneurop MT40JH4EVE (3.3HP / 3PH)
Compresseur à piston Danfoss Maneurop 3KFHB4

(3.6PH) 4.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT56HL4BVE (4. 6HP / 3PH) Compresseur à piston Danfoss Maneurop MT64HM4DVE (5.3HP / 3PH) Compresseur à piston Danfoss Maneurop MT72HN4AVE (6.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT80HP4AVE (6.6HP / 3PH) Compresseur à piston Danfoss Maneurop MT72HN4AVE (6.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT80HP4AVE (6.6HP / 3PH) Compresseur à piston Danfoss Maneurop4.0 Compresseur à piston MT144HV4AVE (12,0HP / 3PH) Compresseur à piston Danfoss Maneurop MT160HW4EVE (13.3HP / 3PH) Compresseur à piston Danfoss Maneurop MTZ22JC5VE (2.0HP / 1PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ22JC4AVE (2.0HP / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ28JE5AVE (2,3 HP / 1PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ28JE4AVE (2,3 HP / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ32JF5AVE (2,6 CV / 1PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ32JF4BVE (2.6HP / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ36JG5AVE (3.0HP / 1PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ36JG4BVE (3.0HP / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ40JH4AVE (3,3 CV / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ50HK4CVE (4,0 CV / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ56HL4BVE (4,6 CV / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ64HM4CVE (5,3 HP / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ72HN4AVE (6,0 CV / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ80HP4AVE (6,6 CV / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ100HS4VE (8,3 CV / 3 PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ125HU4VE (10.0HP / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ144HV4AVE (12,0 HP / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ160HE4AVE (13,3 HP / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop NTZ048A4LR1A (2.0HP / 3PH); [R134A, R404, R507] Compresseur à piston Danfoss Maneurop NTZ068A4LR1A (3,5 CV / 3PH); [R134A, R404, R507] Compresseur à piston Danfoss Maneurop NTZ096A4LR1A (4,5

CV / 3PH); [R134A, R404, R507] Compresseur à piston Danfoss
Maneurop NTZ108A4LR1A (5,0 CV / 3PH); [R134A, R404, R507]
Compresseur à piston Danfoss Maneurop NTZ136A4LR1A (6,5 CV /
3PH); [R134A, R404, R507] Compresseur à piston Danfoss
Maneurop NTZ215A4LR1A (10,0 HP / 3PH); [R134A, R404, R507]
Compresseur à piston Danfoss Maneurop NTZ271A4LR1A (13.0HP /
3PH); [R134A, R404, R507] COMPRESSEUR MANEUROP 2.0HP MT22
MANEUROPE 2.0HP MT22 COMPRESSEUR MANEUROP COMPRESSEUR
MTZ-22JE-4VE R404A MANEUROPE 2.30HP MT28JE-5PVE MT28-5VI /
MT28-5VM COMPRESSEUR MANEUROP 2.30HP MT28JE-5PVE MT28-5VI /
MT28-5VM COMPRESSEUR MANEUROPEUR 2.30H5 / R404A) COMPRESSEUR
MANEUROP 2.8HP MTZ32-5VM (R134a / R404A / R507) COMPRESSEUR
MANEUROP MT32JF5MVE 2-3 / 4HP ((R22) COMPRESSEUR MANEUROP
3.0HP MT36JG4FVE (MT36-4VI / MT36-4VM) (R22) COMPRESSEUR 3.0HP
COMPRESSEUR MT36 MANEUROP 3.3HP MT40JH4EVE COMPRESSEUR
MANEUROP 3.3HP MTZ40-JH4AVE COMPRESSEUR (R407A / C / F / R134A
/ R404A / R507) Compresseur MANEUROP MTZ-36-JG4AVE (R407C /
R134a / R404A-R407C / R134a / R404A) -Compresseur JH4AVE
(R134a / R404A) – Compresseur 3.3HP 3PH MANEUROP MTZ-44-HJ4AVE
(R134a / R404A) – 3. 5HP 3PH MANEUROP 4HP MTZ-50HK-4CVE
(MTZ50-4VI / MTZ50-4VM) COMPRESSEUR (R134A / R404A) MANEUROP
MTZ56HL3BVE R407c, R134a, R507a, R404a compresseur MANEUROP
MT-64-4VM COMPRESSEUR MANEUR 64-4VM COMPRESSEUR MANEUR
COMPRESSEUR MT72-4VM COMPRESSEUR MANEUROP MT-80-4VM (6.5HP)
Compresseur MANEUROP 6.6HP MT81HP4AVE COMPRESSEUR MANEUROP
MTZ80HM4DVE COMPRESSEUR MANEUROP 8.5HP MT100-4VM COMPRESSEUR
MANEUROPE 10HP MT100-4VM (MT100HS4DVE) COMPRESSEUR 10HP
MT100-4VM (MT100HS4DVE) COMPRESSEUR MT12M10 MANHOP 4-
COMPRESSEUR 10HP R22) COMPRESSEUR MANEUROP 10HP MTZ125HW4AVE
(R404A / R134A / R507 / R407C) COMPRESSEUR MANEUROPE 12HP
MT144-4VM COMPRESSEUR MANEUROPE 13.3HP MT160-4VM (MT160HW4DVE)
COMPRESSEUR MANZVMER 10 COMPRESSEUR MANZVM4 (MT160HW4DVE) / 2
') SER. KIT POUR MT-28 MANEUROP 7703009 (1-1 / 8 '& 3/4') SER.