

Danfoss, Reciprocating, compressors, MT / MTZ / NTZ, MT64HM4DVE, R22, 5HP / hp, 3,9KW, 15A

Category: compressor

written by www.mbsm.pro | 8 January 2021

MT64HM4DVE Compresseur Danfoss Meyo Paramètres détaillés:

Nombre nominal de chevaux: 5HP / hp

Puissance nominale: 3,9KW

Courant de démarrage à rotor bloqué: 67A

Courant de travail: 15A

Cylindrée: 107,71 cm³ / tr

interface filetée d'aspiration: 1 "3/4

rangée Interface de filetage d'air: 1 "3/4

taille du tuyau d'aspiration: 7/8"

taille du tuyau d'échappement: 3/4 "

vitesse: 2900 tr / min

Poids net: 37 kg

Detailed Product Description

| | | | |
|---------------------|-----------------------|--------------------|---------------|
| MT Series | R22 | Type: | Hermetic |
| Refrigerant: | | | Reciprocating |
| | | | Compressor |
| Phase: | 1PH,3PH | Application | Middle High |
| Horse Power: | 1.5HP To 13.3HP | Temp:: | Temperature |
| Voltage: | 380-400 -460V | Frenquency: | 50HZ 60HZ |
| | For Commercial | Colour: | Blue |
| Usage: | Refrigeration And Air | | |
| | Conditioning | | |

R22 Danfoss Maneurop Hermetic compressor MT64HM3DVE France Maneurop Piston Reciprocating compressor

Danfoss Maneurop NTZ series compressors are hermetic reciprocating type and designed for low evaporating temperature applications.Refrigerant:R404A/R507A Model:NTZ048/NTZ068/NTZ096/NTZ108/NTZ136/NTZ215/NTZ...

Danfoss Maneurop MT/MTZ series compressors are hermetic reciprocating type and designed for Medium and High evaporating temperature applications.

Refrigerant R22,R407C, R134A, R404A

380-400V/3~/50Hz and 460V/3~/60Hz

Models:MT/MTZ018 MT/MTZ022 MT/MTZ028...MT/MTZ320

Danfoss Maneurop MPZ series compressors are hermetic reciprocating type and designed for Medium and High evaporating temperature applications.

Refrigerant:R404A/R507A

Models:MPZ2038/MPZ2048/MPZ2054/MPZ2061/MPZ2068

Danfoss Maneurop Commercial Hermetic Scroll Compressor MT64HM4DVE

Specification:

Maneurop MT/MTZ series compressors are of the hermetic reciprocating type and are designed for Medium and high evaporating temperature applications.

There are 26 different models with displacement ranging from 30-543cm³/rev.

Our Maneurop compressors are for 50Hz, motor code is 4, can be used for R22/R407C/R134a/R404A/R507

1. Piston /reciprocating type compressors.
 2. Voltage is 50Hz
 3. The refrigerant are R22/R407C/R134a/R404A/R507
 4. There are MT/MTZ series
 5. Original from France.
 - 6.Capacity: 1.5HP~13HP, High efficiency, Low noise
- 1.MT series for R134a
 2. MTZ series for R407c/134a
- 1.50 Hz
 2. Imported form France.
 - 3.R22 Rated condition:50Hz/400V
superheat:11.1K
subcooling 8.3K condensing temp:54.4°C
 - 4.R407C Rated condition :50Hz 400V
superheat:11.1K
subcooling 8.3K condensing temp:54.4°C
evaporating temp.7.2°C
refrigeration and power input±5%

We can supply more Danfoss compressor models as below:

| MODEL (R22) | MODEL (R404A) | NTZ series |
|-------------|---------------|--------------|
| MT18-4VM | MTZ18-4VM | NTZ048A4LR1A |
| MT22-4VM | MTZ22-4VM | NTZ068A4LR1A |
| MT28-4VM | MTZ28-4VM | NTZ096A4LR1A |
| MT32-4VM | MTZ32-4VM | NTZ108A4LR1A |
| MT36-4VM | MTZ36-4VM | NTZ136A4LR1A |
| MT40-4VM | MTZ40-4VM | NTZ215A4LR1A |
| MT44-4VM | MTZ44-4VM | NTZ271A4LR1A |
| MT50-4VM | MTZ50-4VM | □ |
| MT56-4VM | MTZ56-4VM | □ |
| MT64-4VM | MTZ64-4VM | □ |
| MT72-4VM | MTZ72-4VM | □ |
| MT80-4VM | MTZ80-4VM | □ |
| MT100-4VM | MTZ100-4VM | □ |
| MT125-4VM | MTZ125-4VM | □ |
| MT144-4VM | MTZ144-4VM | □ |
| MT160-4VM | MTZ160-4VM | |

| Model NO. | Nom HP | Displ. Cc/rev | Capacity R404a(w) | |
|------------|--------|---------------|-------------------|-------|
| | | | -10 | -5 |
| MTZ18-4VI | 1.5 | 30.2 | 1580 | 2110 |
| MTZ18-5VI | 1.5 | 30.2 | 1580 | 2110 |
| MTZ22-4VI | 1.8 | 38.12 | 2270 | 2920 |
| MTZ22-5VI | 1.8 | 38.12 | 2270 | 2920 |
| MTZ28-4VI | 2.3 | 48.06 | 2880 | 3720 |
| MTZ28-5VI | 2.3 | 48.06 | 2880 | 3720 |
| MTZ32-4VI | 2.7 | 53.86 | 3230 | 4220 |
| MTZ32-5VI | 2.7 | 53.86 | 3230 | 4220 |
| MTZ36-4VI | 3 | 60.47 | 3800 | 4870 |
| MTZ36-5VI | 3 | 60.47 | 3800 | 4870 |
| MTZ40-4VI | 3.3 | 67.89 | 4280 | 5490 |
| MTZ45-4VI | 3.8 | 76.22 | 4420 | 5840 |
| MTZ51-4VI | 4.2 | 85.64 | 5290 | 6920 |
| MTZ57-4VI | 4.8 | 96.13 | 6060 | 7880 |
| MTZ65-4VI | 5.4 | 107.71 | 7080 | 9130 |
| MTZ73-4VI | 6.1 | 120.94 | 7960 | 10230 |
| MTZ81-4VI | 6.8 | 135.78 | 9160 | 11720 |
| MTZ100-4VI | 8.3 | 171.26 | 10390 | 13500 |
| MTZ125-4VI | 10.4 | 215.44 | 13650 | 17500 |
| MTZ144-4VI | 12 | 241.87 | 15740 | 20120 |
| MTZ160-4VI | 13.3 | 271.55 | 17690 | 22520 |

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 Maneurop 4.0 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 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.

Product details

Gross weight 41.5 kg

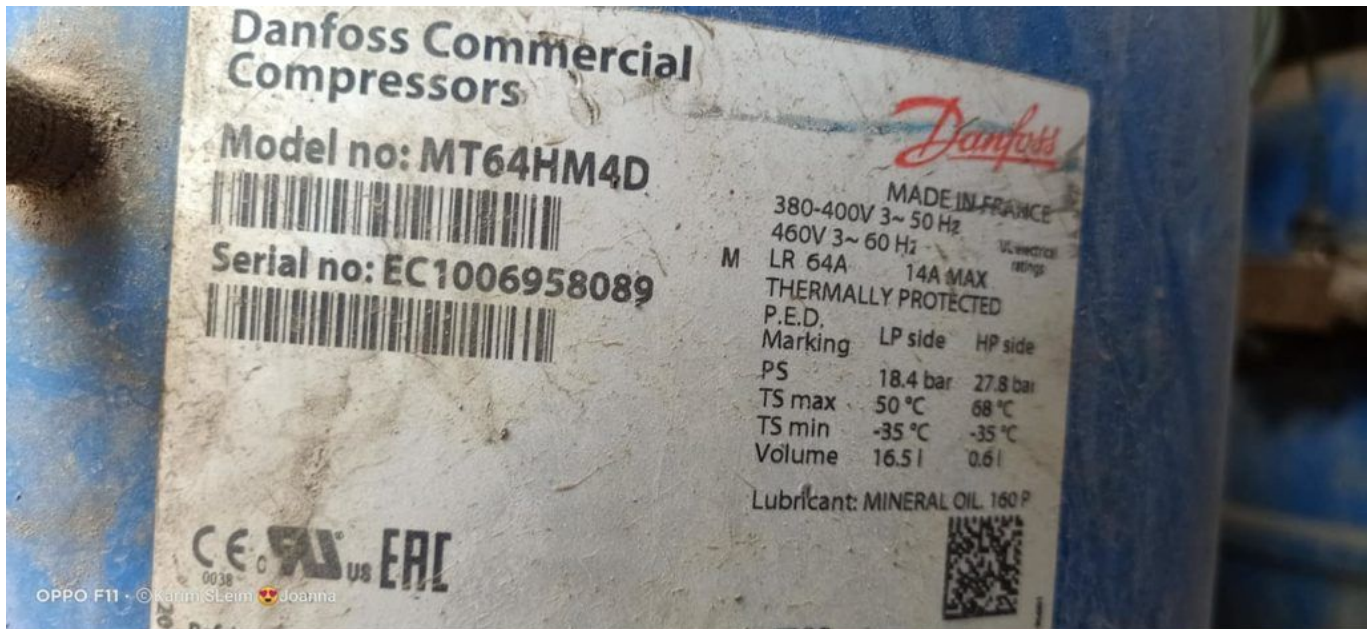
Net weight 39 kg

EAN 5702428661973

| | |
|---|--------------------------------------|
| Approval standard | CCC 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 | MT064-4 |
| 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 |

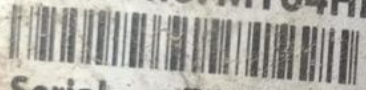
| | |
|---|-----------------------------|
| Gauge port LP | Schrader |
| Generation code | E |
| Glass mounting | Threaded |
| Glass torque [Nm] | 50 Nm |
| GP LP torque [Nm] | 15 Nm |
| High side max pressure (Ps) | 27.8 bar |
| High Side TS Max | 150 °C |
| High Side TS Min | -35 °C |
| High Side Volume | 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 | 64 A |
| MCC | 14 A |
| Model number | MT64HM4DVE |
| Motor protection | Internal overload protector |
| Mounting torque [Nm] | 15 Nm |
| Nominal cooling capacity 60 kBTU/h | 64.51 kBTU/h |
| Nominal cooling capacity at 50Hz | 14.4 kW |
| Nominal cooling capacity at 60Hz | 18.9 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] | 550 mm |
| Packaging length [mm] | 1150 mm |
| Packaging weight [Kg] | 254 kg |
| Packaging width [mm] | 800 mm |
| Packing format | Industrial pack |
| Packing quantity | 6 |
| 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] | 7/8 in |
| Suction connection rotolock size [in] | 1 3/4 in |
| Suction connection size [in] | 1 3/4 in |
| Suction connection sleeve pipe size [in] | 7/8 in |
| Swept volume [cm ³] | 107.71 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 [Ohm] | 2.44 Ohm |



Danfoss Commercial Compressors

Model no: MT64HM4D



Serial no: EC1006958089



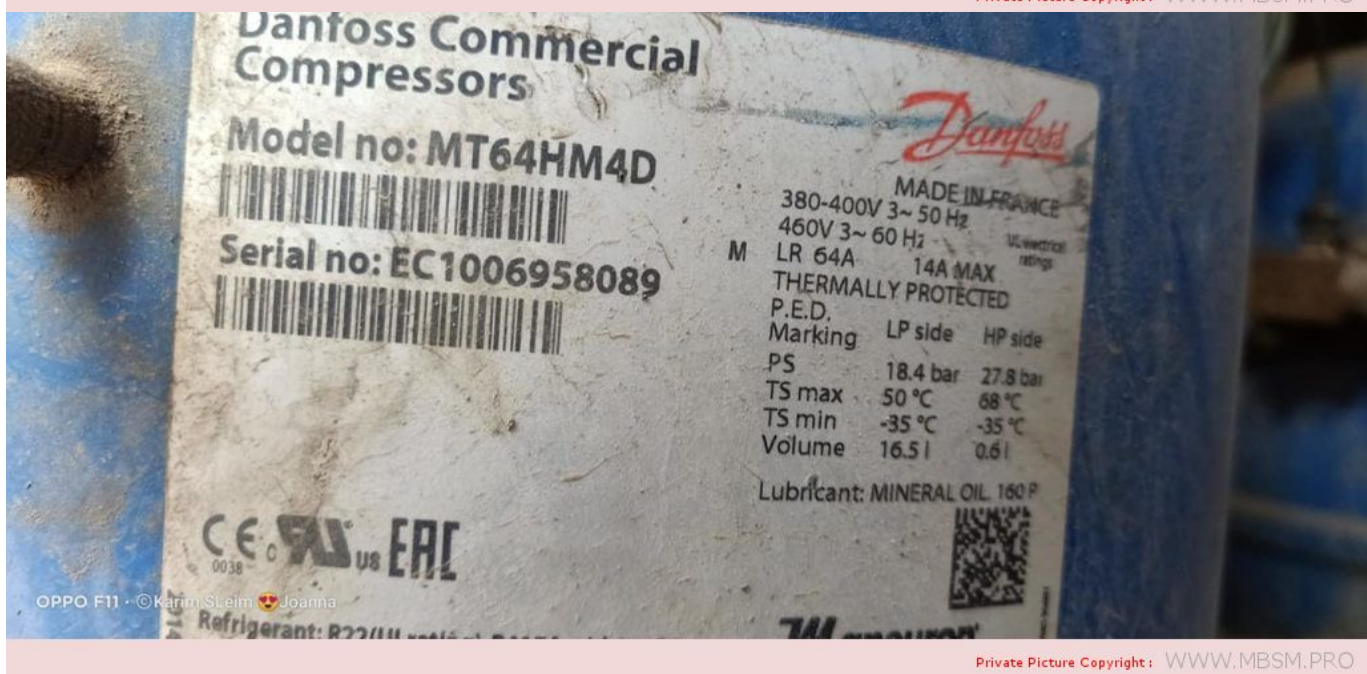
MADE IN FRANCE
380-400V 3~ 50 Hz
460V 3~ 60 Hz UL electrical ratings
M LR 64A 14A MAX
THERMALLY PROTECTED
P.E.D.
Marking LP side HP side
PS 18.4 bar 27.8 bar
TS max 50 °C 68 °C
TS min -35 °C -35 °C
Volume 16.5 l 0.6 l

Lubricant: MINERAL OIL 160 P



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Danfoss Commercial Compressors

Model no: MT64HM4D



Serial no: EC1006958089



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380-400V 3~ 50 Hz
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Volume 16.5 l 0.6 l

Lubricant: MINERAL OIL 160 P



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Product : Compressor
 产地: 法国制造
 Plant : Made in France
 客户: 丹佛斯自动控制管理(上海)有限公司
 Customer service: Danfoss Automatic Controls Management (Shanghai) Co.Ltd
 地址电话: 上海市宜山路900号科技大楼C楼20层200233 / (021)61513000
 Address/Tel: 20th Floor Block C, Hi-Tech Building
 900 Yi Shan Road Shanghai 200233 / (021)61513000
 警告: 只有具备一定经验和安全程序
 培训的授权人员才可以进行安装和维修。
 Warning: The installation and maintenance
 should be performed by the authorized
 person only



Danfoss Commercial Compressors



型号: MT64HM4DVE

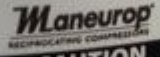
 序列号: EC1006983516


产地法国
 380-400V 3~ 50 Hz
 460V 3~ 60 Hz
 额定电流: 6.4A 最大工作电流: 1.4A
 过热保护
 低压倒
 最高额定压力 18.4 bar
 最高额定温度 50 °C
 最低额定温度 -35 °C

润滑油: MINERAL OIL 160 P



R134a 制冷剂: R22 或 R417A 仅和 160PZ



WARNING

Installation and servicing shall be performed by trained personnel only. Failure to observe these safety warnings could result in personal injury or death.
 1. Before working on the compressor, turn off power before removing the charge of capacitors.
 2. Never connect power in place and securely fastened whenever power is applied to the compressor. Use this equipment on a grounded system only.
 3. The system contains refrigerant and oil under pressure. Release pressure from both the high and low side before opening any safety cap.
 4. Do not touch the hot surface of the compressor.



CAUTION

Use only manufacturer's approved refrigerants, lubricants, and electrical components. Unauthorized refrigerants / lubricant / electrical component could cause fire, explosion, electrical shorting.
 For details refer to multi language instruction and technical documents available on Danfoss website at www.danfoss.com



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0937 217 184

MT64-4VM
KE1008211296
MT64HM4DVE

产品名称: 制冷压缩机
Product: Compressor
产地: 法国制造
Plant: Made in France
代理商: 丹佛斯自动控制管理(上海)有限公司
Customer service: Danfoss Automatic Control Management (Shanghai) Co.Ltd
地址电话: 上海市宝山顾900号科技大楼3楼303室/021-61512000
Address/te: 900 Yi Shan Road Shanghai 200230 (521#10303)
警告: 只有具备一定技能和安全教育于
熟练的维修人员才可以进行安装和维修。
Warning: The installation and maintenance
should be performed by the authorized
person only.

Compressor

Model no: MT64HM4DVE

Serial no: KE1008211296

MADE IN FRANCE

| | | |
|-----------|---------------------|-----------|
| M | 380-400V 3-30Hz | 143 MAX |
| | 480V 3-60Hz | 143 MAX |
| | 1.8 kW | |
| | Thermally protected | |
| P.E.D. | LP Side | HP Side |
| Marking | 18.40 bar | 27.20 bar |
| TS Max | 20.5 °C | 100.0 °C |
| TS Min | -23.5 °C | 55.0 °C |
| Volume | 16.1 l | 64.1 l |
| Lubricant | Mineoil HP 180P | |

CE, ENEC, ERE, C2000

Refrigerant: R22/R410A/R417A with 180PZ

WARNING

CAUTION



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