

# **Mbsm.pro, Compressor, C-SB261H5A, Sanyo, C-SB Scroll, Compressor C-SB261H5A, 3,5 hp, 31000 btu/h**

written by Lilianne | 14 April 2022



Mbsm.pro, Compressor, C-SB261H5A, Sanyo, C-SB Scroll, Compressor C-SB261H5A, 3,5 hp, 31000 btu/h

---

# **Danfoss, Reciprocating, compressors, MT / MTZ / NTZ,**

# MT64HM4DVE, R22, 5HP / hp, 3,9KW, 15A

written by Lilianne | 14 April 2022

## 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 cm<sup>3</sup> / tr

interface fileté 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

<b>MT Series Refrigerant:</b>	R22	<b>Type:</b>	Hermetic Reciprocating Compressor
<b>Phase:</b>	1PH,3PH	<b>Applcation Temp::</b>	Middle High Temperature
<b>Horse Power:</b>	1.5HP To 13.3HP	<b>Frenquency:</b>	50HZ 60HZ
<b>Voltage:</b>	380-400 -460V	<b>Colour:</b>	Blue
<b>Usage:</b>	For Commercial 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 30-543cm<sup>3</sup>/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 from 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 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.

## Product details

<b>Gross weight</b>	41.5 kg
<b>Net weight</b>	39 kg
<b>EAN</b>	5702428661973

<b>Approval standard</b>	CCC CE UL
<b>Brand technique</b>	Reciprocating compressor
<b>Capacity control</b>	Fixed speed
<b>Colour</b>	Blue

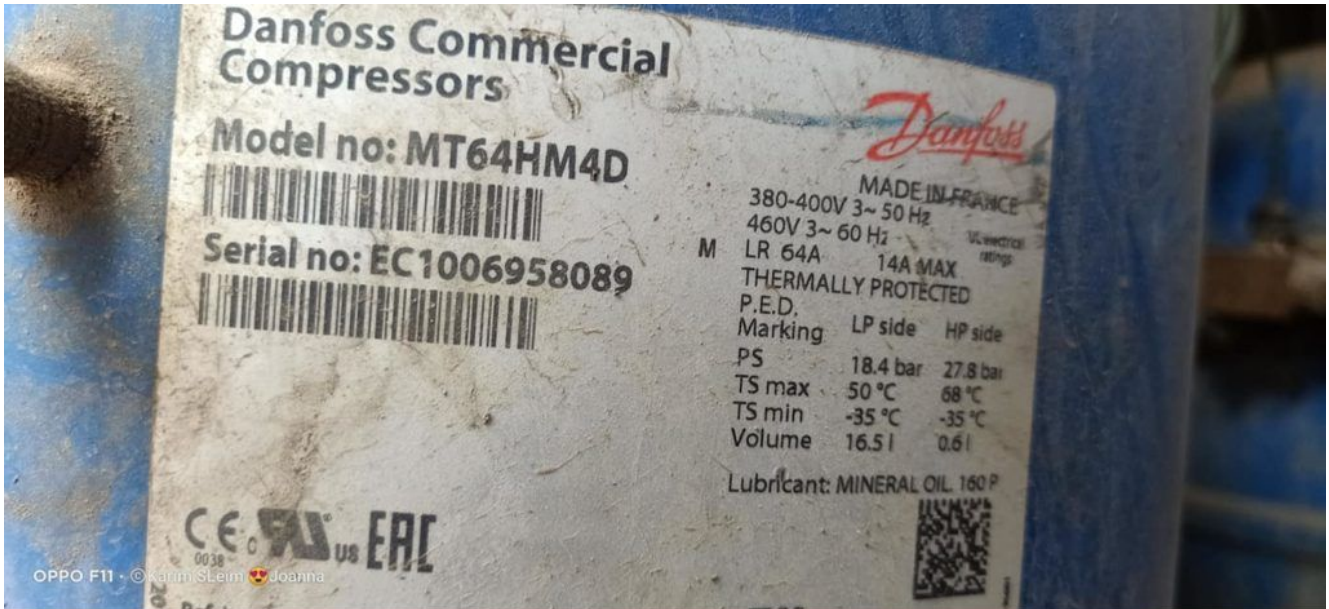


<b>Compressor power supply [V/Ph/Hz]</b>	400/3/50 460/3/60
<b>Configuration code</b>	Single
<b>Connection type</b>	Rotolock
<b>Cylinder</b>	2
<b>Description</b>	MT064-4
<b>Diameter [mm]</b>	288 mm
<b>Discharge connection height [mm]</b>	74 mm
<b>Discharge connection mounting torque [Nm]</b>	90 Nm
<b>Discharge connection pipe size [in]</b>	3/4 in
<b>Discharge connection rotolock size [in]</b>	1 1/4 in
<b>Discharge connection size [in]</b>	1 1/4 in
<b>Discharge connection sleeve pipe size [in]</b>	3/4 in
<b>Drawing number</b>	8502012g
<b>Economizer</b>	No
<b>Factory HP [bar]</b>	25 bar
<b>Factory LP [bar]</b>	25 bar
<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>Generation code</b>	E
<b>Glass mounting</b>	Threaded
<b>Glass torque [Nm]</b>	50 Nm
<b>GP LP torque [Nm]</b>	15 Nm

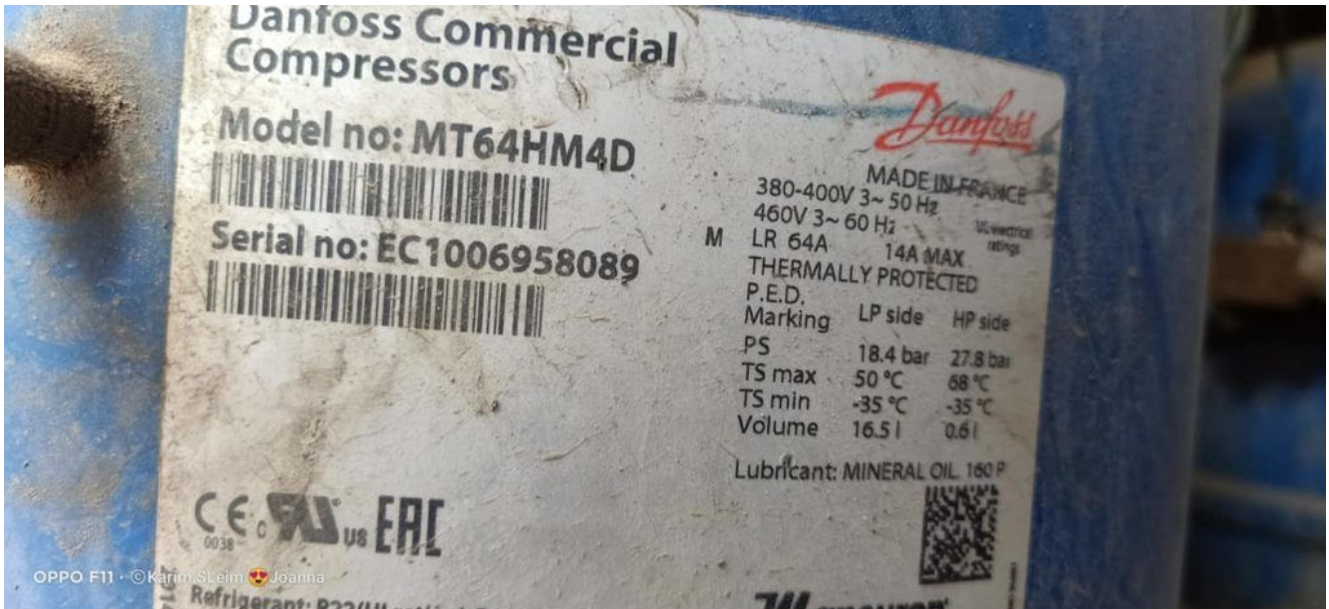
<b>High side max pressure (Ps)</b>	27.8 bar
<b>High Side TS Max</b>	150 °C
<b>High Side TS Min</b>	-35 °C
<b>High Side Volume</b>	0.6 L
<b>High value of nominal voltage at 50Hz [V]</b>	400 V
<b>High value of nominal voltage at 60Hz [V]</b>	460 V
<b>High value of voltage range at 50Hz [V]</b>	460 V
<b>High value of voltage range at 60Hz [V]</b>	506 V
<b>IP protection class</b>	IP55 (with cable gland)
<b>Low side max pressure (Ps)</b>	18.4 bar
<b>Low Side TS Max</b>	50 °C
<b>Low Side TS Min</b>	-35 °C
<b>Low Side Volume</b>	16.5 L
<b>Low value of nominal voltage at 50Hz [V]</b>	380 V
<b>Low value of nominal voltage at 60Hz [V]</b>	460 V
<b>Low value of voltage range at 50Hz [V]</b>	340 V
<b>Low value of voltage range at 60Hz [V]</b>	414 V
<b>LRA</b>	64 A
<b>MCC</b>	14 A
<b>Model number</b>	MT64HM4DVE
<b>Motor protection</b>	Internal overload protector
<b>Mounting torque [Nm]</b>	15 Nm
<b>Nominal cooling capacity 60 kBTU/h</b>	64.51 kBtu/h

<b>Nominal cooling capacity at 50Hz</b>	14.4 kW
<b>Nominal cooling capacity at 60Hz</b>	18.9 kW
<b>Number of starts per hour [Max]</b>	12
<b>Oil charge [L]</b>	1.8 L
<b>Oil equalization</b>	3/8" flare SAE
<b>Oil equalization torque [Nm]</b>	30 Nm
<b>Oil reference</b>	160P
<b>Packaging height [mm]</b>	550 mm
<b>Packaging length [mm]</b>	1150 mm
<b>Packaging weight [Kg]</b>	254 kg
<b>Packaging width [mm]</b>	800 mm
<b>Packing format</b>	Industrial pack
<b>Packing quantity</b>	6
<b>Phase</b>	3
<b>Power connections</b>	Spade
<b>Refrigerant</b>	R22
<b>Refrigerant charge [kg] [Max]</b>	5 kg
<b>Relief valve</b>	30 bar/8 bar
<b>Rotational speed at 50Hz [rpm]</b>	2900 rpm
<b>Rotational speed at 60Hz [rpm]</b>	3500 rpm
<b>Segment usage</b>	Air conditioning 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>	<b>Initial oil charge</b>
<b>Suction connection height [mm]</b>	265 mm
<b>Suction connection mounting torque [Nm]</b>	110 Nm
<b>Suction connection pipe size [in]</b>	7/8 in
<b>Suction connection rotolock size [in]</b>	1 3/4 in
<b>Suction connection size [in]</b>	1 3/4 in
<b>Suction connection sleeve pipe size [in]</b>	7/8 in
<b>Swept volume [cm<sup>3</sup>]</b>	107.71 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 Nm
<b>Torque power [Nm]</b>	3 Nm
<b>Total height [mm]</b>	413 mm
<b>Type</b>	MT
<b>Type designation</b>	Compressor
<b>Viscosity [cP]</b>	32 cP
<b>Winding resistance for three-phase compressors with identical windings [Ohm]</b>	2.44 Ohm



Private Picture Copyright: WWW.MBSM.PRO



Private Picture Copyright: WWW.MBSM.PRO

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**



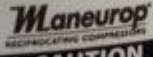
型号: MT64HM4DVE  
 序列号: EC1006983516

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  
 低压侧  
 最高允许压力 18.4 bar  
 最高允许温度 50 °C  
 最低允许温度 -35 °C

润滑油: MINERAL OIL 160 P



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 serious injury or death.  
 ELECTRICAL SHOCK HAZARD: Turn off power before servicing. Observe all warnings.  
 Mechanical parts rotate and severely lacerate whenever equipment is running. Use the equipment as a instructed only.  
 High pressure refrigerant and oil under pressure may become extremely hot. High and low side before discharge. Wear safety goggles.  
 Do not breathe and avoid contact with refrigerant.



**CAUTION**  
 Use only manufacturer's approved refrigerants, lubricants, and electrical components. Unauthorized refrigerants / lubricants / electrical component could cause fire, explosion, electrical shorting.  
 For details refer to multi language instruction book and technical documentation available at Danfoss website at <http://www.danfoss.com>.



Private Picture Copyright : WWW.MBSM.PRO



Mbsm\_dot\_pro\_private\_PDF\_MT64HM4DVETélécharger  
Mbsm\_dot\_pro\_private\_PDF\_MT64HM4DVE-5Télécharger

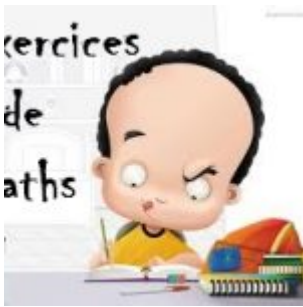
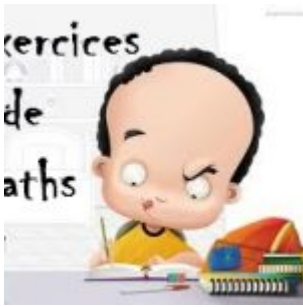
# www.mbsm.pro , exercice math Bac , 1,2,3,4 annee

written by Publisher | 14 April 2022  
www.mbsm.pro , exercice math Bac , 1,2,3,4 annee

exercices-mathematiques.jpg (29 KB)



exercices-mathematiques.jpg (11 KB)



CD1.zip