# Compressor, Embraco, EMX20CLC, High-quality, compressor Aspera, EMX20CLC, LBP R600a, 220-240V 50Hz, 3.97 cm3, 1/12HP

Category: compressor
written by www.mbsm.pro | 15 December 2021
GENERAL DATA
Application: LBP
Refrigerant: R600a
Evaporating Temperature Range: -35°C to -10°C
Compressor Cooling: Static
Type: Hermetic reciprocating
Technology Type: On-Off
Expansion Device: Capillary Tube
Packing Quantity: 100
Displacement: 3.97 cm3
Horse power: 1/12 hp
Approvals:
MECHANICAL DATA
Bore: 19 mm
Stroke: 14 mm
Oil Charge: 180ml
Oil Type Configuration: ALQUILB
Oil Type Viscosity: ISO5
Weight: 7.88 kg
ELECTRICAL DATA
Motor Type: RSCR
Starting Torque: LST
Voltage working range at 50 Hz: 198-242 V
Voltage working range at 60 Hz: 198-242 V
Maximum Motor Temperature: 130 °C
Start Winding Resistance: 22.1 Ω (± 10%) at 25°C
Run Winding Resistance: 50.65 Ω (± 10%) at 25°C

Model **EMX20CLC** | Code 513309529...S

embraco POWER IN. CHANGE ON.

**220V 60 1~**

## GENERAL DATA

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# Bitzer, Compressor, S6F-30.2Y-40P, Compressor Selection, Semi-hermetic Reciprocating, 1450 min-1 , 101,1

# (LP) , 30hp

Category: compressor
written by www.mbsm.pro | 15 December 2021
BITZER is raising the bar in terms of technology and capacity for expanded low temperature applications with the 2nd generation of 2-stage compressors. This series is the result of extensive research on the basis of years of experience in the construction of highly efficient and solid reciprocating compressors. The gas flow control and working valves are specially adapted for low temperature applications.
• Displacement at 1450 min-1 : 101,1 (LP) 50,5 (HP)
• Number of cylinders : 6
• Oilcharge : 4,75 dm3
Displacement (1450 RPM 50Hz):101.10 / 50.50 m^3/h Displacement (1750 RPM 60Hz):122.02 / 60.95 m^3/h
The Bitzer Compressor is high quality!
Displacement (1450 RPM 50Hz):101.10 / 50.50 m^3/h
Displacement (1750 RPM 60Hz):122.02 / 60.95 m^3/h
No. of cylinder x bore LP/HP x stroke:6+6 x 82/ 82 mm x 55 mm
Max. pressure (LP/MP/HP):19 / 19 / 28 bar
Connection suction line:42 mm – 1 5/8 inch
Connection discharge line:35 mm – 1 3/8 inch
Oil type R404A/R507A:BSE32 (Standard)
Oil type R448A/R449A:BSE32 (Standard)
Oil type R22:B5.2 (Option) We can also provide the following models
4JTE-15K
GYD80485VAYB4
GED60235VLB332
GMD60137VBYR632
GED60485VBYR3-1
CSH7573-70Y-40P
GYD80182VLYB632
GYD60385VLYR2-2
GED80154VLR332
GYU80295VLR4-2
GSU60120VLB6-2
GED60137VAYB3-1
GUU60154VLR532
GUD80295VLR232
GSD80295VLR6-1
GTU60137VLYB3-1
GUD60137VBYR5-1
GYD80235VBYB332
GYD60421VAYR332
GMD60295VBR3-1
GED80154VBYB6
4NEH-14-40S
GMU60154VLY
GYD60154VAB4-2

GYD80182VAYR4-2
GYD80421VBR5-1
GYD60385VLYR4-1
4TE-9.F3Y-40S
GMD60182VBYB3-2
GMD80120VLR232
GUD60120VBYR5-2
GSD60154VAYR232
GMD60154VBYR632
44EES-12-40S
GMD60154VBB432
GUD80421VWR4-2
GYD80385VAYR2-2
GTD60385VLB632
GED60235VLB2
GED60154VAYR4
GSD80421VWR5-2
GUD60421VBR5
GYD80182VBYB5-1
GED60295VBB5
GED80421VAR4-1
GED60385VLYB3
GYU80421VLR2
GSD80485VBB5-1
GED60120VLB2
GUD60421VBR332
GTD60154VAB4-2
GED60421VAYB6-1
GMD60485VBB5-1
GSD60485VAYR4
GED80295VLYR6-1
GSD60235VAYB232
GTD60385VBYR3-1
GUD60154VBB3-2
GUD80295VWB6-2
GED60421VAR5
GMD80421VBR4
GED80182VLR532
GSD60154VBYB6-1
GTD80421VBYR332
GSD60182VAYB4-1
GUD80485VWYR5-2
GSU80295VLYR6-1
GSD80182VLYR2-2
GSU80385VLB432
GED80295VAY
GED80295VAB3-2
GYD60120VAR4

# With liquid subcooling 50Hz (R404A/R507A)

| Compressor type | Cond.temp. | Qo / Pe | Evaporating temperature °C | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| [°C] | -25 | -30 | -35 | -40 | -45 | -50 | -55 | -60 | -65 | -70 | |
| S6F-30.2Y | 30 | Qo | 43400 | 37400 | 31750 | 26500 | 21700 | 17420 | 13690 | 10540 | 7920 5800 |
| Pe | 2,53 | 0,65 | 8,78 | 16,94 | 15,15 | 13,42 | 11,77 | 10,20 | 8,74 | 7,40 | |
| 35 | Qo | 42500 | 36600 | 31050 | 25900 | 21200 | 17030 | 13420 | 10340 | 7780 | 5680 |
| Pe | 3,85 | 1,86 | 9,89 | 7,94 | 6,04 | 4,21 | 12,45 | 10,78 | 9,23 | 7,80 | |
| 40 | Qo | 41500 | 35700 | 30300 | 25300 | 20700 | 16680 | 13170 | 10150 | 7590 | |
| Pe | 25,20 | 23,10 | 21,01 | 18,96 | 16,95 | 15,00 | 13,14 | 11,37 | 9,72 | | |
| 45 | Qo | 40450 | 34800 | 29550 | 24700 | 20300 | 1660 | 12930 | 9920 | | |
| Pe | 26,59 | 24,37 | 22,16 | 19,98 | 17,86 | 15,80 | 13,83 | 11,96 | | | |
| 50 | Qo | 39500 | 34000 | 28850 | 24100 | 19870 | 16060 | 12650 | | | |
| Pe | 28,07 | 25,69 | 23,33 | 21,01 | 18,75 | 6,57 | 14,49 | | | | |
| 55 | Qo | 38800 | 33250 | 28200 | 23600 | 19490 | 15740 | | | | |
| Pe | 29,64 | 27,06 | 24,51 | 22,03 | 19,63 | 17,32 | | | | | |

Qo – Cooling capacity [Watt], Pe – Power consumption [kW]

# Without liquid subcooling 50Hz (R404A/R507A)

| Compressor type | Cond.temp. | Qo / Pe | Evaporating temperature °C | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| [°C] | -25 | -30 | -35 | -40 | -45 | -50 | -55 | -60 | -65 | -70 | |
| S6F-30.2Y | 30 | Qo | 38050 | 31700 | 26050 | 21000 | 16620 | 12880 | 9790 | 7280 | 5300 3760 |
| Pe | 1,26 | 18,81 | 16,61 | 14,64 | 12,90 | 11,37 | 10,02 | 8,86 | 7,85 | 7,00 | |
| 35 | Qo | 36000 | 29950 | 24500 | 19710 | 15570 | 12070 | 9180 | 6840 | 4980 | 3510 |
| Pe | 22,11 | 19,66 | 17,41 | 15,37 | 13,53 | 11,88 | 10,42 | 9,13 | 8,02 | 5,72 | |
| 40 | Qo | 33800 | 28000 | 22900 | 18390 | 14530 | 11280 | 8590 | 6400 | 4620 | |
| Pe | 22,95 | 20,53 | 18,26 | 16,15 | 14,20 | 12,42 | 10,82 | 9,41 | 8,18 | | |
| 45 | Qo | 31450 | 26050 | 21250 | 17080 | 13510 | 10500 | 8000 | 5920 | | |
| Pe | 23,82 | 21,42 | 19,12 | 16,94 | 14,89 | 13,00 | 11,26 | 9,71 | | | |
| 50 | Qo | 28950 | 24000 | 19590 | 15770 | 12490 | 9710 | 7370 | | | |
| Pe | 24,72 | 22,31 | 19,98 | 17,74 | 15,61 | 13,61 | 11,76 | | | | |
| 55 | Qo | 26400 | 21900 | 17890 | 14430 | 11440 | 8880 | | | | |
| Pe | 25,67 | 23,19 | 20,80 | 18,52 | 16,34 | 14,27 | | | | | |

Qo – Cooling capacity [Watt], Pe – Power consumption [kW]

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Compressor typeDisplacement at 1450 min-1Number of cylindersOil chargeWeightPipe connectionsMotorMax. operating currentMax. power consumptionStarting

current(lockedrotor)LPHPDLSLdm3KgmmpoucemmpouceAmpkWAmp.
Y/YYS6F-30.2Y101,150,567.752343513/842
5415/8
21/8380 ..420YY/3/50
440 ..480 YY/3/605131,9135/220

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# Panasonic, DGH73C14RAX, R134a, D Series, Reciprocating, Fixed, Speed, LBP, 1/4Hp

Category: compressor
written by www.mbsm.pro | 15 December 2021
https://www.mbsm.pro/wp-content/uploads/2021/01/Mbsm_dot_pro_private_PDF_Qb77c16glx5.pdf

| Item | Performance characteristics |
|---|---|
| Refrigerant | R134a |
| Displacement ($cm^3$) | 7.3 |
| Voltage (V) | 220 |
| Frequency (Hz) | 50 |
| Motor Type | RSCR |
| Capacity@ASHRAE | 215 |
| COP@ASHRAE | 1.6 |
| Capacity@CECOMAF | – |
| COP@CECOMAF | |

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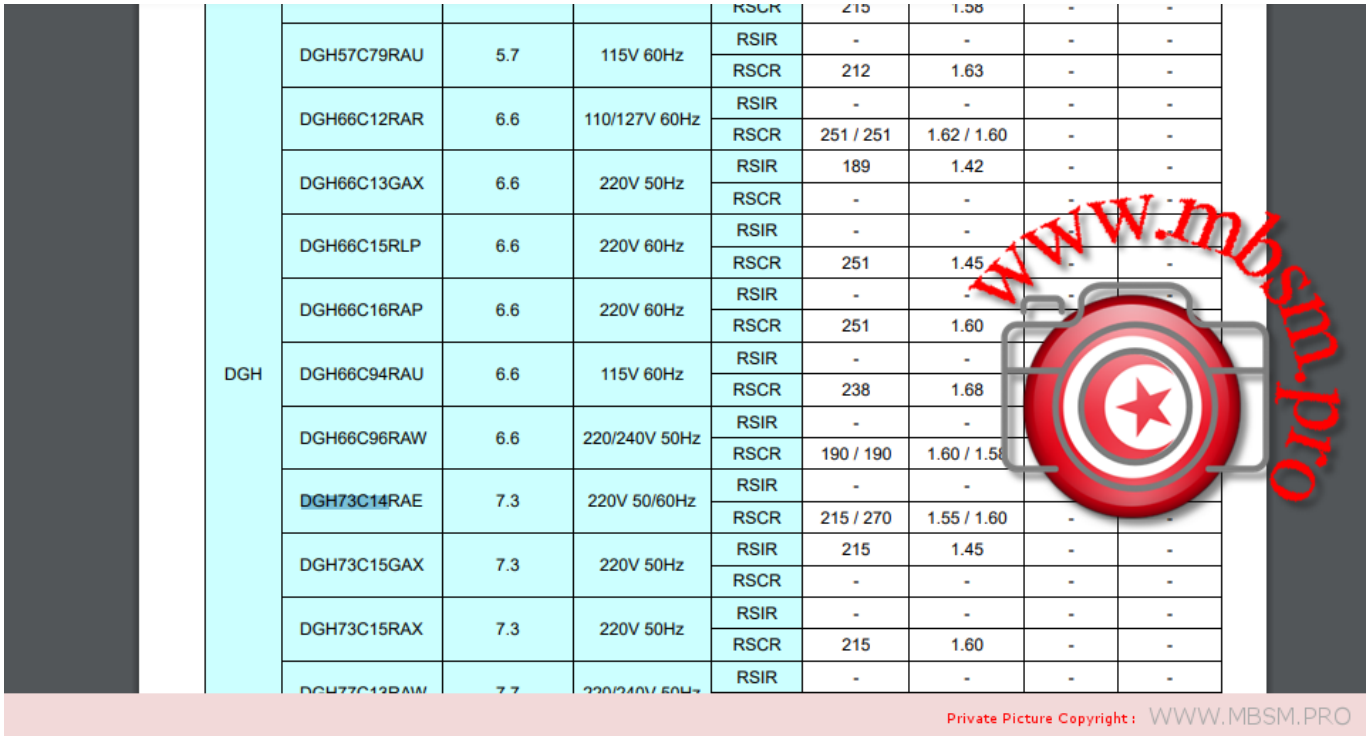

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | RSCR | 215 | 1.58 | - | - |
| DGH | DGH57C79RAU | 5.7 | 115V 60Hz | RSIR | - | - | - | - |
| | | | | RSCR | 212 | 1.63 | - | - |
| | DGH66C12RAR | 6.6 | 110/127V 60Hz | RSIR | - | - | - | - |
| | | | | RSCR | 251 / 251 | 1.62 / 1.60 | - | - |
| | DGH66C13GAX | 6.6 | 220V 50Hz | RSIR | 189 | 1.42 | - | - |
| | | | | RSCR | - | - | - | - |
| | DGH66C15RLP | 6.6 | 220V 60Hz | RSIR | - | - | - | - |
| | | | | RSCR | 251 | 1.45 | - | - |
| | DGH66C16RAP | 6.6 | 220V 60Hz | RSIR | - | - | - | - |
| | | | | RSCR | 251 | 1.60 | - | - |
| | DGH66C94RAU | 6.6 | 115V 60Hz | RSIR | - | - | - | - |
| | | | | RSCR | 238 | 1.68 | - | - |
| | DGH66C96RAW | 6.6 | 220/240V 50Hz | RSIR | - | - | - | - |
| | | | | RSCR | 190 / 190 | 1.60 / 1.58 | - | - |
| | DGH73C14RAE | 7.3 | 220V 50/60Hz | RSIR | - | - | - | - |
| | | | | RSCR | 215 / 270 | 1.55 / 1.60 | - | - |
| | DGH73C15GAX | 7.3 | 220V 50Hz | RSIR | 215 | 1.45 | - | - |
| | | | | RSCR | - | - | - | - |
| | DGH73C15RAX | 7.3 | 220V 50Hz | RSIR | - | - | - | - |
| | | | | RSCR | 215 | 1.60 | - | - |
| | DGH77C13RAW | 7.7 | 220/240V 50Hz | RSIR | - | - | - | - |

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# KONOR, COMPRESSOR, GQR80AA, R134A, LBP, 240V, 50Hz, 8.1cm3, 1/4HP, 198W, -KONOR CATALOGE pdf

Category: compressor
written by www.mbsm.pro | 15 December 2021
GQR80AA 8.1cm3 186MM RSIR 198W 1.19W/W 220-240V/50Hz 1/4HP 9.4Kg

KONOR COMPRESSORGQR80AA R134A LBP 240V 50Hz

Product description:

R134a GQR80AA **series sealed refrigeration compressor 220-240v/50Hz**
The main feature:
strong loading capacity,
high efficiency,
low noise,
light vibration,
good reliability.
suitable for mid-size refrigerators, freezers, displayers, beer displayers and other mid-size refrigeration appliances. The structure form is hermetical crank connecting-rod reciprocating piston type.
They are the best selling high-tech compressors sold in the world. They are ideal for domestic refrigeration and also for small commercial applications. They are small, have low noise and vibration levels, they achieve the highest levels of efficiency available in the market for this category.

| **KONOR** | Displ. | power | Motor type | V/Hz | Cooling capacity | W | Net | Weight | KG |
|---|---|---|---|---|---|---|---|---|---|
| GQR60AA | | 61/6 | RSIR | 220-240V/50Hz | | 140 | | | 9.4 |
| GQR70AA | | 6.61/5 | RSIR | 220-240V/50Hz | | 165 | | | 9.4 |
| GQR80AA | | 8.11/4 | RSIR | 220-240V/50Hz | | 198 | | | 9.4 |
| GQR90AA | | 9.11/4 | RSIR | 220-240V/50Hz | | 220 | | | 10.1 |
| GQY99AA | | 9.91/4 | RSIR | 220-240V/50Hz | | 270 | | | 10.9 |
| GQY12AF | | 11.81/3 | CSIR | 220-240V/50Hz | | 325 | | | 10.56 |
| GQY16AF | | 16.23/8 | CSIR | 220-240V/50Hz | | 380 | | | 12.1 |
| GP16MG | | 16.25/8 | CSIR | 220-240V/50Hz | | 870 | | | 12.5 |
| GP12MG | | 11.85/8 | CSIR | 220-240V/50Hz | | 656 | | | 10.9 |
| GP12TG | | 11.83/8 | CSIR | 220-240V/50Hz | | 1140 | | | 11.8 |
| GQR80TG | | 8.11/4 | CSIR | 220-240V/50Hz | | 730 | | | 9.8 |
| GQR90TG | | 9.11/4 | CSIR | 220-240V/50Hz | | 830 | | | 10.5 |
| GQR60TG | | 61/5 | CSIR | 220-240V/50Hz | | 520 | | | 9.8 |

One year warranty*.

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KONOR Compressor GQR80AA

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# GP14TB, R-134a, 3/8HP++, 230V, Haute Pression, CUBIGEL/HUAYI, Décalage: 14.17 cm³

Category: compressor
written by www.mbsm.pro | 15 December 2021

- **CUBIGEL/HUAYI**
- **Original**

## Données techniques

- Modèle: **GP14TB**
- Gaz: **R-134a**
- Température/Pression: **Haute Pression**
- Puissance: **3/8 HP**
- Type De Courant: **Monophasé**
- Fréquence: **50 Hz**
- Type De Compresseur: **Hermétique**
- Décalage: **14.17 cm³**
- Cons.Énergie -10ºC: **366 W**
- Cons.Énergie -5ºC: **406 W**
- Cons.Énergie 0ºC: **448 W**
- Cons.Énergie +5ºC: **491 W**
- Cons.Énergie +10ºC: **536 W**
- T° De Condensation: **40 °C**
- Capacidad Frigorífica -15°C: **489 Kcal/h**
- Capacidad Frigorífica -10°C: **634 Kcal/h**
- Capacidad Frigorífica -5°C: **800 Kcal/h**
- Capacidad Frigorífica 0°C: **986 Kcal/h**
- Capacidad Frigorífica 5°C: **1193 Kcal/h**
- Capacidad Frigorífica 7.2°C: **1291 Kcal/h**
- Capacidad Frigorífica 10°C: **1421 Kcal/h**
- Tipo Test: **Ashare 46**

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| | | | |
|---|---|---|---|
| 3070051 | alternative part number | 605011 | رقم القطعة |
| GP14TB | type | R134a | refrigerant |
| W 566 | power input | HP 3/8 | power |
| CSIR | motor system | $cm^3$ 14 | cylinder capacity |
| mm 203.6 | height | V 220-240 | voltage |
| W 643 | power at -5°C | W 497 | power at -10°C |
| W 999 | power at +5°C | W 810 | power at 0°C |
| W 271 | power at -20°C | W 191 | power at -25°C |
| W 1209 | power at +10°C | W 373 | power at -15°C |
| HMBP | application | ASHRAE | test method |
| C° 43 | .ambient temperature max | Hz 50 | frequency |
| | | kg 11.5 | weight |

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# Cold room, Copeland, ZR scroll, compressor, ZR144KCE-TFD-550, 12HP Copeland Scroll Compressor, Hermetic Compressor Specifications

Category: compressor
written by www.mbsm.pro | 15 December 2021
**Type: Hermetic scroll compressorsProducer: CopelandSeries: ZR**
**Model: ZR144KCE-TFD**
**Technical data**

| | |
|---|---|
| Displacement [m³/h]: | 33,2 |
| Sound power [dBA]: | 75 |
| Sound pressure level [dB]: | 64 |
| Net Weight [kg]: | 61,2 |
| Gross Weight [kg]: | 72 |
| Oil charge [dm³]: | 3,3 |
| Maximum high pressure [bar]: | 32 |
| Maximum standstill pressure [bar]: | 20 |
| Minimal lowside temperature [°C]: | -35 |
| Maximum lowside temperature [°C]: | 52 |
| PED category: | 2 |

**Electrical data**

| | |
|---|---|
| Power supply [V/~/Hz]: | 380-420/3/50Hz |
| Locked rotor current [A]: | 118 |
| Max. operating current [A]: | 22,3 |
| Winding resistance [Ω]: | 1,2 |

**Connections**

| | inches |
|---|---|
| Suction connection with supplied sleeve: | 1 3/8″ |
| Discharge connection with supplied sleeve: | 7/8″ |

Compressor Copeland Scroll ZR144KCE-TFD-425, R407C, 380-420V
Type of engine: TFD
Displacement: 33.2 m3 / h (191,23 cm3)
Cooling capacity (0 ° C): 20.00 kW.
Oil quantity: 3.38 L.
Noise level: 61 dBA – 1 m.
Max. Noise level: 75 dBA.
Max. Operating current (FLA): 22.3 A.
LRA: 118.0 A.
Connectors: 1.3 / 8 “x 7/8”.
Dimensions (LxWxH): 264x285x533 mm

Net Weight: 61.2 kg

| | |
|---|---|
| **Shipping Class** | Standard |
| **Scope Of Application** | HBP |
| **Lieferzeit** | Ca. 10-14 Tage |
| **Type Of Construction** | Scroll |
| **Maker** | Copeland |
| **Manufacturer No.** | ZR144KCE-TFD-425 |
| **Style** | 1 |
| **Refrigerants** | R407C |
| **Series** | ZR |
| **Condensing Units Compressors** | Compressors |
| **Suspense** | 380-420V |
| **Weight In Kg** | 61 |

| Model | Horse Power (HP) | Cooling capacity(w) | InputPower(kw) | Current (A) | Bottom corner size(mm) | Weight(KG) |
|---|---|---|---|---|---|---|
| ZR144KC-TFD-550 | 12 | 34730 | 10.87 | 19.6 | 190 | 63 |

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Mbsm_dot_pro_private_PDF_ZR144KCE-TFD-550Télécharger

# COMPRESSoR, DANFOSS, NL8.4MF, R134A, 1/4HP, 8.35CM3, Compressor Danfoss Secop NL8.4MF, 105G6879, MBP -R134a, 220-240V/1/50Hz, discharge 8.35 cm3, motor type RSIR / CSIR, oil type POE, oil charge 320 cm3, 741 W at +7.2 / +55° C, LRA 11.7 A, maximum refrigerant charge 600 g, height: 197 mm, weight 10.5 kg

Category: compressor
written by www.mbsm.pro | 15 December 2021
230V 50/60HZ

## FICHE TECHNIQUE COMPRESSEUR DANFOSS NL8.4MF AU R134A 1/4HP 8.35CM3

| | |
|---|---|
| Puissance HP | 1/4 |
| Tension (V) | 230 |
| Fréquence (Hz) | 50/60 |
| Marque pie | DANFOSS |
| Cylindré | 8.35 |
| Référence marque | NL8.4MF |

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| | | | |
|---|---|---|---|
| R134a | refrigerant | 605089 | رقم القطعة |
| HP 1/4 | power | NL8.4MF | type |
| RSIR/CSIR | motor system | cm³ 8.35 | cylinder capacity |
| W 491 | power at -5°C | W 390 | power at -10°C |
| W 749 | power at +5°C | W 610 | power at 0°C |
| W 235 | power at -20°C | W - | power at -25°C |
| W 912 | power at +10°C | W 305 | power at -15°C |
| HMBP | application | ASHRAE | test method |
| Hz 50 | frequency | kg 10.5 | weight |
| mm 197 | height | V 220-240 | voltage |

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# SC18G, 104G8820, Universal, Compressor, R134a, 220-240V 50/60Hz,

# DANFOSS, SECOP, R134a, HMBP, 1/2 Hp++, displacement 17.70 cc, CSIR, SC18G 104G8820

Category: compressor
written by www.mbsm.pro | 15 December 2021

## Détails du produit

**Poids brut** 13.8 kg
**Poids Net** 13.8 kg

| | |
|---|---|
| **Applications** | HBP<br>LBP<br>MBP |
| **Charge en fluide frigorigène [kg] [Max]** | 1.3 kg |
| **Charge en huile [L]** | 600 L |
| **Code de configuration** | Simple |
| **Couleur** | Noir |
| **Courant d’appel HST [A]** | 18.6 A |
| **Description** | SC18G |
| **Diamètre de raccordement à l’aspiration [mm]** | 10.2 mm |
| **Diamètre du raccord au refoulement [mm]** | 6.2 mm |
| **Diamètre du raccordement du traitement [mm]** | 6.2 mm |
| **Désignation du modèle** | Compresseur |
| **Emballage (format)** | Emballage industriel |
| **Faible valeur de plage de tension à 50 Hz [V]** | 187 V |
| **Faible valeur de plage de tension à 60 Hz [V]** | 198 V |
| **Faible valeur de tension nominale à 50 Hz [V]** | 208 V |
| **Faible valeur de tension nominale à 60 Hz [V]** | 220 V |
| **Fluides** | R134a |
| **Fréquence [Hz]** | 50/60 |
| **Hauteur de la base [mm]** | 213 mm |
| **Hauteur du raccordement de refoulement [mm]** | 110 mm |
| **Hauteur raccordement aspiration [mm]** | 193 mm |
| **Hauteur totale [mm]** | 219 mm |
| **LRA HST [A]** | 18.6 A |
| **Matériel du raccord au process** | Acier cuivré |
| **Matériel du raccord d’aspiration** | Acier cuivré |
| **Matériel du raccord de refoulement** | Acier cuivré |
| **Niveau d’énergie de l’application** | Compresseur universel |
| **Nombre de phases (compresseur)** | 1 |
| **Nombre de phases (ventilateur)** | 1 |

| | |
|---|---|
| **Norme d’approbation** | CE EN 60335-2-34 avec Annexe AA |
| **Notes concernant le raccord de refoulement** | Capuchon en aluminium |
| **Notes concernant le raccordement au process** | Capuchon en aluminium |
| **Notes concernant le raccordement à l’aspiration** | Capuchon en aluminium |
| **N° de modèle** | SC18G |
| **N° de schéma** | 8258 |
| **Oil type** | POE |
| **Phase** | 1 |
| **Puissance frigorifique nominale 60 kBTU/h** | 6.06 kBtu/h |
| **Puissance frigorifique nominale à 60 Hz** | 1.8 kW |
| **Quantité d’huile [cm³]** | 600 cm³ |
| **Quantité par emballage** | 80 |
| **raccord de refoulement équerre [°]** | 37 ° |
| **raccord d’aspiration équerre [°]** | 37 ° |
| **Raccordement de process équerre** | 37 ° |
| **Régulation de la puissance** | Vitesse fixe |
| **Résistance de l’enroulement auxiliaire (enroulement de démarrage) pour compresseurs monophasés [ohm]** | 14.1 Ohm |
| **Résistance de l’enroulement principal pour compresseurs monophasés [Ohm]** | 3.7 Ohm |
| **Technique de la marque** | Compresseur à pistons |
| **Technologie** | Piston |
| **Température d’enroulement max. continue [°C] [Max]** | 125 °C |
| **Température de l’enroulement à court terme [°C] [Max]** | 135 °C |
| **Tension 50 Hz [V]** | 220 V |
| **Tension 50 Hz [V] [max.]** | 240 V |
| **Tension 60 Hz [V]** | 220 V |
| **Tension 60 Hz [V] [max.]** | 240 V |
| **Type** | SC |
| **Type de moteur** | CSIR |
| **Type de socle** | Universel |
| **Utilisation de tronçon** | Réfrigération LT<br>Réfrigération MT |
| **Valeur du condensateur A** | 10 µF |
| **Valeur du condensateur B** | 80 uF |
| **Valeur élevée de plage de tension à 50 Hz [V]** | 254 V |
| **Valeur élevée de plage de tension à 60 Hz [V]** | 254 V |
| **Valeur élevée de tension nominale à 50 Hz [V]** | 230 V |
| **Valeur élevée de tension nominale à 60 Hz [V]** | 230 V |
| **Vitesse de rotation à 50 Hz [rpm]** | 2900 rpm |
| **Vitesse de rotation à 60 Hz [rpm]** | 3500 rpm |
| **Volume balayé [cm³]** | 17.69 cm³ |
| **Volume de gaz libre [cm3]** | 1460 cm³ |
| **Économiseur** | No |

# Documents

| Type de document | Country France<br>Afrique du Sud<br>Allemagne<br>Australie Autriche<br>Belarus Belgique<br>Brazil Bulgarie<br>Canada Chili Chine (continentale)<br>Colombie Corée du Sud Croatie<br>Danemark<br>Emir.arab.unis<br>Espagne Estonia<br>Finlande Grande Bretagne Grèce<br>Hongrie Inde + Sikkim Indonésie<br>Ireland Islande<br>Israël Italie<br>Japon Kazakhstan<br>Lettonie Lithuania<br>Macedonia Malaisie<br>Mexique N. Zélande<br>Norvège Pays-Bas<br>Philippines<br>Pologne Portugal<br>Roumanie Russian Federation Rép. tchèque Saudi Arabia Serbia<br>Singapour<br>Slovaquie Slovénie<br>Suisse Suède<br>Taiwan, Chine<br>Thailand Tunisie<br>Turquie Ukraine<br>USA Viêt Nam<br>Vénézuéla | Langue<br>Français<br>Allemand<br>Anglais<br>Arabe<br>Bulgare<br>Chinois<br>Coréen<br>Croate<br>Danois<br>Espagnol<br>Estonien<br>Finnois Grec<br>Hindi<br>Hongrois<br>Hébreu<br>Indonésien<br>Islandais<br>Italien<br>Japonais<br>Kazakh<br>Letton<br>Lituanien<br>Norvégien<br>Néerlandais<br>Polonais<br>Portugais<br>Roumain<br>Russe Serbe<br>Slovaque<br>Slovène<br>Suédois<br>Tchèque Thaï<br>Turc<br>Ukrainien<br>Vietnamien | Titre |
|---|---|---|---|
| **Fiche technique** | France | Français | **220V Hermetic Compressors – R12 – R22 – R205**<br>AI32443441788901-FR0101<br>1984 KB |
| **Fiche technique** | France | Français | **Listing Compresseur Secop**<br>AI302136056984fr-FR0101<br>253 KB |
| **Guide d’installation** | France | Français | **Instructions SC Compressors (external Protector)**<br>AN00008643706001-000401<br>124 KB |

| Type de document | Country France<br>Afrique du Sud<br>Allemagne<br>Australie Autriche<br>Belarus Belgique<br>Brazil Bulgarie<br>Canada Chili Chine (continentale)<br>Colombie Corée du Sud Croatie<br>Danemark<br>Emir.arab.unis<br>Espagne Estonia<br>Finlande Grande Bretagne Grèce<br>Hongrie Inde + Sikkim Indonésie<br>Ireland Islande<br>Israël Italie<br>Japon Kazakhstan<br>Lettonie Lithuania<br>Macedonia Malaisie<br>Mexique N. Zélande<br>Norvège Pays-Bas<br>Philippines<br>Pologne Portugal<br>Roumanie Russian Federation Rép. tchèque Saudi Arabia Serbia<br>Singapour<br>Slovaquie Slovénie<br>Suisse Suède<br>Taiwan, Chine<br>Thailand Tunisie<br>Turquie Ukraine<br>USA Viêt Nam<br>Vénézuéla | Langue<br>Français<br>Allemand<br>Anglais<br>Arabe<br>Bulgare<br>Chinois<br>Coréen<br>Croate<br>Danois<br>Espagnol<br>Estonien<br>Finnois Grec<br>Hindi<br>Hongrois<br>Hébreu<br>Indonésien<br>Islandais<br>Italien<br>Japonais<br>Kazakh<br>Letton<br>Lituanien<br>Norvégien<br>Néerlandais<br>Polonais<br>Portugais<br>Roumain<br>Russe Serbe<br>Slovaque<br>Slovène<br>Suédois<br>Tchèque Thaï<br>Turc<br>Ukrainien<br>Vietnamien | Titre |
|---|---|---|---|
| **Guide d’installation** | France | Français | **Instructions SC Twin Compressors**<br>AN000008643707201-000101<br>183 KB |
| **Matériel promotionnel** | France | Français | **Refrigerant Circuit**<br>AV000008642183800-000402<br>463 KB |

Compresseur Danfoss SC18G - R134a

Cylindrée = 17.69 CM3

APPLICATIONS = HP; BP; MP

Moteur = CSIR

220-240V 50/60Hz

www.mbsm.pro

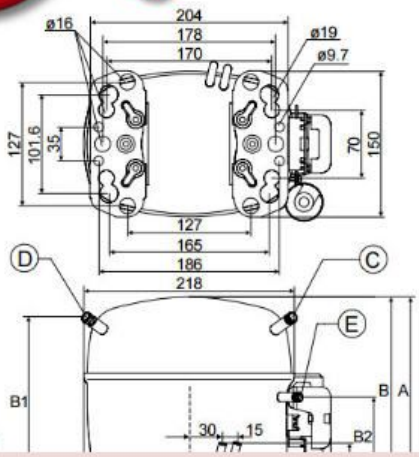
**Design**

| | | |
|---|---|---|
| Displacement | cm³ | 17.69 |
| Oil quantity | cm³ | 600 (550 on comp. with oil cooler) |
| Maximum refrigerant charge | g | 1300 |
| Free gas vol. in compressor | cm³ | 1460 |
| Weight without electrical equipment | kg | 13.7 |

**Motor**

| | | |
|---|---|---|
| Motor size | watt | 495 |
| LRA (rated after 4 sec. UL984) HST | A | 18.6 |
| Cut-in current HST | A | 18.6 |
| Resistance, main and start winding (25°C) | Ω | 3.7/14.1 |
| Approvals | | EN 60335-2-34, CCIB |

**Dimensions** **104G8830 104G8820 104G8822**

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| | | | |
|---|---|---|---|
| R134a | refrigerant | 605076 | رقم القطعة |
| HP 1/2 | power | SC18G | type |
| cm³ 17.7 | cylinder capacity | W 495 | power input |
| V 220-240 | voltage | CSIR | motor system |
| W 844 | power at -10°C | mm 219 | height |
| W 1343 | power at 0°C | W 1074 | power at -5°C |
| W - | power at -30°C | W 1655 | power at +5°C |
| W 485 | power at -20°C | W 348 | power at -25°C |
| W 2014 | power at +10°C | W 649 | power at -15°C |
| HMBP | application | ASHRAE | test method |
| kg 13.7 | weight | Hz 50 | frequency |

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# Visuels

Mbsm_dot_pro_private_PDF_SC18GTélécharger

# Donper, Refrigeration, Compressr, r134A, freezer, LU140CY1, CT6220CE, AK120CY1, 1/3Hp-

Category: compressor
written by www.mbsm.pro | 15 December 2021
Product Description
Donper Refrigeration Compressr r134A
– Famous and Popular Compressors

– D series hermetic compresors for R134A mainly are designed for applications in water dispenser, small freezer. The main characteristics of D series are light weight, compact size, high reliability, low noise and low vibration.
– R134A S series hermetic compressor mainly are designed for applications in water dispenser, small refrigerator, small freezer. The main characteristics of S series are light weight and compact size, reliability, low noise and high low vibration. By the optimal design of the suspension system and the continuous curvarure design of its housing, low operating vibration and sound levels have been achieved.

R600a Series

| Refrige-rant | Applica-tion | Model | Series | Power | Cooling | Motor type | Power supply | Cooling capacity | COP W/W | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *ASHRAE -23.3 | *CECOMAF -25 | *ASHRAE -23.3 | *CECOMAF -25 | | | | | | | | |
| R600a | LBP | W40CY | IN | 1/14 | S | hatch | 220/50 | 55 | 43 | 0.9 | 0.75 |
| R600a | LBP | S53CY | S | 1/10 | S | hatch | 220/50 | 75 | 57 | 1.2 | 0.95 |
| R600a | LBP | S65CY | S | 1/8 | S | hatch | 220/50 | 95 | 72 | 1.2 | 0.95 |
| R600a | LBP | S75CY | S | 1/7 | S | hatch | 220/50 | 118 | 86 | 1.2 | 0.95 |
| R600a | LBP | SK53CY | S | 1/10 | S | RSCR | 220/50 | 75 | 57 | 1.3 | 1.03 |
| R600a | LBP | L76CY | L | 1/6 | S | hatch | 220/50 | 132 | 100 | 1.36 | 1.07 |
| R600a | LBP | L88CY | L | 1/5 | S | hatch | 220/50 | 153 | 116 | 1.36 | 1.07 |
| R600a | LBP | QD60AY | NOT | 1/7 | S | hatch | 100/60 | 125 | 95 | 1.35 | 1.07 |
| R600a | LBP | QD76Y | NOT | 1/6 | S | hatch | 220/50 | 132 | 100 | 1.36 | 1.07 |
| R600a | LBP | QD88Y | NOT | 1/5 | S | hatch | 220/50 | 153 | 116 | 1.36 | 1.07 |
| R600a | LBP | QD100Y | NOT | 1/5 + | S | hatch | 220/50 | 170 | 129 | 1.38 | 1.09 |
| R600a | LBP | QD123Y | NOT | 1/4 | S | hatch | 220/50 | 187 | 142 | 1.38 | 1.09 |
| R600a | LBP | LK88CY | L | 1/5 + | S | RSCR | 220/50 | 160 | 122 | 1.58 | 1.25 |
| R600a | LBP | QD100YG | NOT | 1/4 + | S | RSCR | 220/50 | 180 | 137 | 1.58 | 1.25 |
| R600a | LBP | QD135YG | NOT | 1/4 + | S | RSCR | 220/50 | 215 | 163 | 1.58 | 1.23 |
| R600a | LBP | QD153YG | NOT | 1/4 + | S | RSCR | 220/50 | 246 | 184 | 1.58 | 1.23 |
| R600a | LBP | LU68CY | L | 1/7 | S | RSCR | 220/50 | 120 | 91 | 1.56 | 1.22 |
| R600a | LBP | QD68YU | NOT | 1/7 | S | RSCR | 220/50 | 120 | 91 | 1.56 | 1.22 |
| R600a | LBP | QD76YU | NOT | 1/6 | S | RSCR | 220/50 | 140 | 106 | 1.65 | 1.3 |
| R600a | LBP | QD88YU | NOT | 1/5 | S | RSCR | 220/50 | 160 | 122 | 1.68 | 1.33 |
| R600a | LBP | QD100YU | NOT | 1/4 | S | RSCR | 220/50 | 180 | 137 | 1.7 | 1.34 |
| R600a | LBP | QD123YU | NOT | 1/4 | S | RSCR | 220/50 | 196 | 150 | 1.68 | 1.3 |
| R600a | LBP | QD135YU | NOT | 1/4 + | S | RSCR | 220/50 | 220 | 168 | 1.68 | 1.3 |
| R600a | LBP | QD153YU | NOT | 1/4 + | S | RSCR | 220/50 | 248 | 189 | 1.65 | 1.28 |
| R600a | LBP | QD68YZ | NOT | 1/6 | S | RSCR | 220/50 | 120 | 91 | 1.8 | 1.42 |
| R600a | LBP | QD76YZ | NOT | 1/6 | S | RSCR | 220/50 | 140 | 106 | 1.8 | 1.42 |
| R600a | LBP | QD88YZ | NOT | 1/5 + | S | RSCR | 220/50 | 165 | 125 | 1.8 | 1.42 |
| R600a | LBP | QD100YZ | NOT | 1/4 + | S | RSCR | 220/50 | 185 | 141 | 1.8 | 1.42 |
| R600a | LBP | QD135YZ | NOT | 1 / 3- | S | RSCR | 220/50 | 220 | 168 | 1.8 | 1.42 |
| R600a | LBP | QD60YT | NOT | 1/8 | S | ESCR | 220/50 | 106 | 81 | 1.88 | 1.48 |
| R600a | LBP | QD68YT | NOT | 1/7 | S | ESCR | 220/50 | 126 | 96 | 1.9 | 1.5 |
| R600a | LBP | QD76YT | NOT | 1/6 | S | ESCR | 220/50 | 146 | 111 | 1.94 | 1.53 |
| R600a | LBP | LU68PY | L | 1/7 | S | BLDC | 220/50 | 120 | 91 | 1.65 | 1.3 |

R600a LBP LU68PY L 1/5 S BLDC 220/50 160 122 1.65 1.3

| | | | |
|---|---|---|---|
| **Model no** | L140CY1 | **Refrigerant** | R600a |
| **Cooling capicity** | 230W | **Input power** | 170W |
| **Hose Power** | 1/3- HP | **Temperature application** | LBP |
| **Displacement** | 14cm³ | **Working Current** | 1.3A |
| **Voltage** | 220V~240V/50Hz | **COP** | 1.35W/W |
| **Motor type** | RSIR | **Cylinder capacity** | 14cm³ |
| **Cooling type** | Need a fan motor | **Weight** | 8.6±0.4kg |

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**Quick Details**

| | | | |
|---|---|---|---|
| Condition: | New | Applicable Industries: | Hotels, Restaurant, Home Use, Food Shop, Food & Beverage... |
| Showroom Location: | None | Video outgoing-inspection: | Not Available |
| Machinery Test Report: | Not Available | Marketing Type: | Ordinary Product |
| | | Place of Origin: | Hubei, China |
| Brand Name: | Dongbei/OEM | Type: | Refrigeration Compressor |
| Application: | Refrigeration Parts | Warranty: | 1 year |
| Product name: | R600a 1/3 hp Refrigeration Commercial Freezer Compressor | Refrigerant: | R600a |
| Voltage: | 220V~240V/50HZ | Horse Power: | 1/3 |
| Cooling capacity: | 230W | Input power: | 170W |
| Cylinder capacity: | 14 Cubic Centimetre | Working current: | 1.3A |
| Motor Type: | RSIR | Weight: | 8.6±0.4kg |
| After Warranty Service: | Online support | Local Service Location: | None |
| Certification: | CCC/VDE | After-sales Service Provided: | Online support |

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| | |
|---|---|
| COOLING CAPICITY | 230W |
| REFRIGERANTS | R600a |
| INPUT POWER | 170W |
| HORSE POWER | 1/3- |
| DISPLACEMENT | 14cm³ |

| | | | |
|---|---|---|---|
| **Model no** | L140CY1 | **Refrigerant** | R600a |
| **Cooling capicity** | 230W | **Input power** | 170W |
| **Hose Power** | 1/3- HP | **Temperature application** | LBP |
| **Displacement** | 14cm³ | **Working Current** | 1.3A |
| **Voltage** | 220V~240V/50Hz | **COP** | 1.35W/W |
| **Motor type** | RSIR | **Cylinder capacity** | 14cm³ |
| **Cooling type** | Need a fan motor | **Weight** | 8.6±0.4kg |

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PDF

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# 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″

Category: compressor
written by www.mbsm.pro | 15 December 2021

## Product details

**Gross weight** 41.58 kg

**Net weight** 39.1 kg

**EAN** 5702428839525

| | |
|---|---|
| **Approval standard** | CE<br>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<br>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 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 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]** | 1.94 Ohm |

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<br>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 |
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| **Discharge connection mounting torque [Nm]** | 90 N-m |
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| **Discharge connection rotolock size [in]** | 1 1/4 in |
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| **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 |
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| **High value of voltage range at 50Hz [V]** | 460 V |
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| **IP protection class** | IP55 (with cable gland) |
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| **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<br>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 |
| **Approval standard** | CE<br>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<br>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<br>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<br>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 |
| **Approval standard** | CE<br>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<br>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 |

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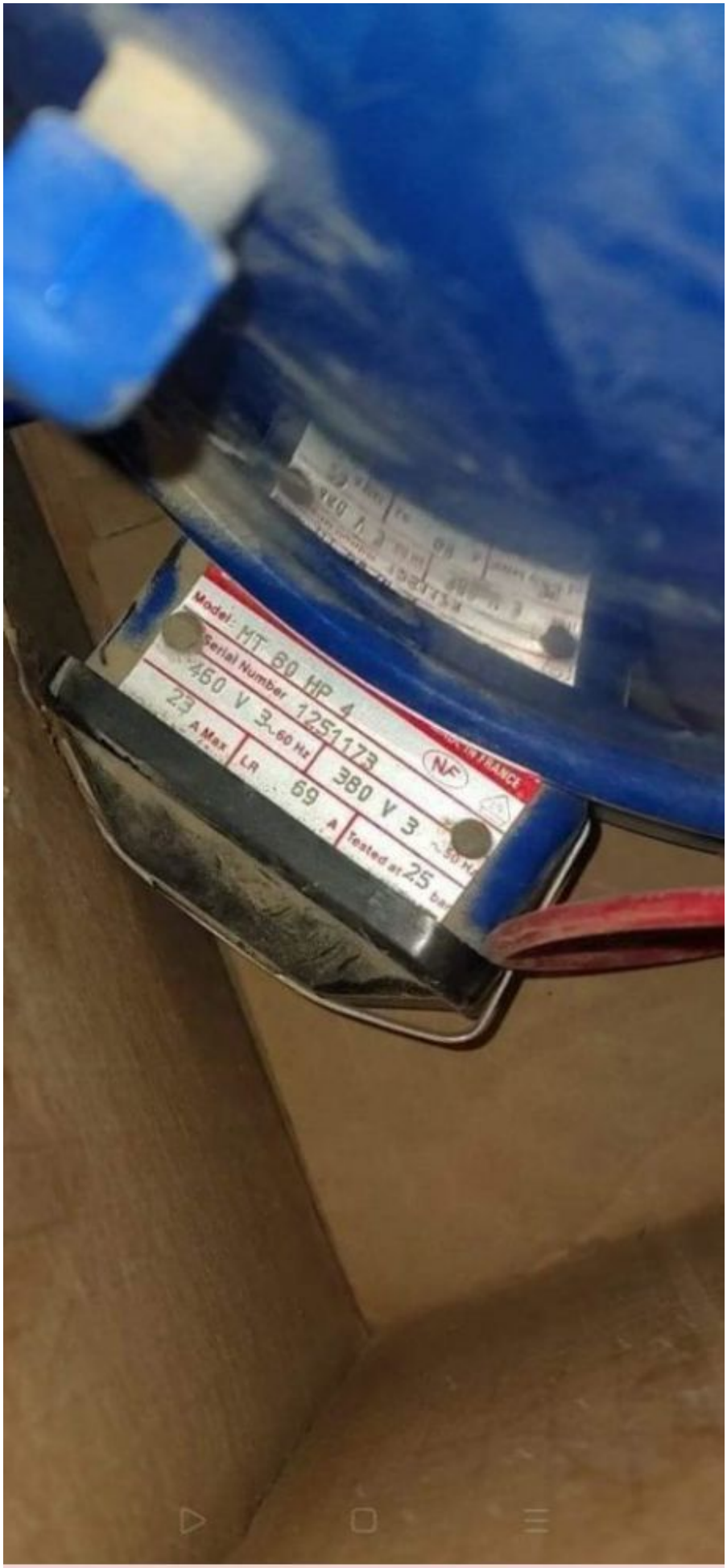


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Compresseur à piston Danfoss Maneurop MT22JC5PVE (2.0HP / 1PH) Compresseur à piston Danfoss Maneurop MT22JC4AVE (2.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT28JC5PVE (2.3HP / 1PH) Compresseur à piston Danfoss Maneurop MT22JC4AVE (2.0HP / 3PH) 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.