

# **Compressor, Embraco, EMX20CLC, High-quality, compressor Aspera, EMX20CLC, LBP R600a, 220-240V 50Hz, 3.97 cm<sup>3</sup>, 1/12HP**

written by Lilianne | 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 cm<sup>3</sup>

Horse power: 1/12 hp

Approvals:

## MECHANICAL DATA

Bore: 19 mm

Stroke: 14 mm

Oil Charge: 180ml

Oil Type Configuration: ALQUILB

Oil Type Viscosity: IS05

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  $\Omega$  ( $\pm$  10%) at 25°C

|   |  |  |
|---|--|--|
| <b>Model</b> <b>EMX20CLC</b>   <b>Code</b> 513309529...S  |  | <b>embraco</b> POWER IN. CHANGE ON.  |
| <b>220V 60 1~</b>   |  | <b>GENERAL DATA</b><br>Application: LBP<br>Refrigerant: R600a<br>Evaporating Temperature Range: -35°C to -10°C<br>Compressor Cooling: Static<br>Type: Hermetic reciprocating<br>Technology Type: On-Off<br>Expansion Device: Capillary Tube<br>Packing Quantity: 100<br>Displacement: 3.97 cm <sup>3</sup><br>Horse power: 1/12 hp<br>Approvals: |
|    |  |  |
| <b>MECHANICAL DATA</b><br>Bore: 19 mm<br>Stroke: 14 mm<br>Oil Charge: 180ml<br>Oil Type Configuration: ALQUILB<br>Oil Type Viscosity: ISOS<br>Weight: 7.88 kg | <b>ELECTRICAL DATA</b><br>Motor Type: RSCR<br>Starting Torque: LST<br>Voltage working range at 50 Hz: 198-242 V<br>Voltage working range at 60 Hz: 198-242 V<br>Maximum Motor Temperature: 130 °C<br>Start Winding Resistance: 22.1 $\Omega$ ( $\pm$ 10%) at 25°C<br>Run Winding Resistance: 50.65 $\Omega$ ( $\pm$ 10%) at 25°C |   |
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# Bitzer, Compressor, S6F-30.2Y-40P, Compressor Selection, Semi-hermetic Reciprocating, 1450 min<sup>-1</sup> , 101,1 (LP) , 30hp

written by Lilianne | 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<sup>-1</sup> : 101,1 (LP) 50,5 (HP)
- Number of cylinders : 6
- Oilcharge : 4,75 dm<sup>3</sup>

Displacement (1450 RPM 50Hz):101.10 / 50.50 m<sup>3</sup>/h Displacement  
(1750 RPM 60Hz):122.02 / 60.95 m<sup>3</sup>/h

The Bitzer Compressor is high quality!

Displacement (1450 RPM 50Hz):101.10 / 50.50 m<sup>3</sup>/h

Displacement (1750 RPM 60Hz):122.02 / 60.95 m<sup>3</sup>/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  
GYD80182VBYP5 - 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  
GSD60154VBYP6 - 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]











Type S6F-30.2Y-40P

S.No. 1600308267

BITZER KÜHLMASCHINENBAU GMBH  
Made in Germany



| Nominal Voltage<br>V 3Ph~ | Frequ.<br>Hz | Operat. C.<br>A (max.) | Locked Rotor C. |        | Displacem.<br>m³/h | Speed<br>RPM |
|---------------------------|--------------|------------------------|-----------------|--------|--------------------|--------------|
|                           |              |                        | A (Y)           | A (YY) |                    |              |
| 380-420                   | 50           | 51                     | 135             | 220    | 101,4              | 1450         |
| 440-480                   | 60           | 51                     | 135             | 220    | 122                | 1750         |

IP 54 LPI/HP max. 19 / 28 bar





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Mbsm\_dot\_pro\_private\_PDF\_S6F-30.2Y-40PTélécharger  
Compressor typeDisplacement at 1450 min-1Number of  
cylindersOil chargeWeightPipe connectionsMotorMax. operating

currentMax. power consumptionStarting  
current(lockedrotor)LPHPDLSLdm3KgmpoucempouceAmpkW  
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**

written by Lilianne | 15 December 2021

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| <b>Item</b>                     | <b>Performance characteristics</b> |
|---------------------------------|------------------------------------|
| Refrigerant                     | R134a                              |
| Displacement (cm <sup>3</sup> ) | 7.3                                |
| Voltage (V)                     | 220                                |
| Frequency (Hz)                  | 50                                 |
| Motor Type                      | RSCR                               |
| Capacity@ASHRAE                 | 215                                |
| COP@ASHRAE                      | 1.6                                |
| Capacity@CECOMAF                | —                                  |
| COP@CECOMAF                     |                                    |



|             |             |               |               |           |             |             |   |   |
|-------------|-------------|---------------|---------------|-----------|-------------|-------------|---|---|
| DGH         | DGH57C79RAU | 5.7           | 115V 60Hz     | RSCR      | 215         | 1.58        | - | - |
|             |             |               |               | RSIR      | -           | -           | - | - |
|             | DGH66C12RAR | 6.6           | 110/127V 60Hz | RSCR      | 212         | 1.63        | - | - |
|             |             |               |               | RSIR      | -           | -           | - | - |
|             | DGH66C13GAX | 6.6           | 220V 50Hz     | RSCR      | 251 / 251   | 1.62 / 1.60 | - | - |
|             |             |               |               | RSIR      | 189         | 1.42        | - | - |
|             | DGH66C15RLP | 6.6           | 220V 60Hz     | RSCR      | -           | -           | - | - |
|             |             |               |               | RSIR      | -           | -           | - | - |
|             | DGH66C16RAP | 6.6           | 220V 60Hz     | RSCR      | 251         | 1.45        | - | - |
|             |             |               |               | RSIR      | -           | -           | - | - |
|             | DGH66C94RAU | 6.6           | 115V 60Hz     | RSCR      | 251         | 1.60        | - | - |
|             |             |               |               | RSIR      | -           | -           | - | - |
|             | DGH66C96RAW | 6.6           | 220/240V 50Hz | RSCR      | 238         | 1.68        | - | - |
|             |             |               |               | RSIR      | -           | -           | - | - |
|             | DGH73C14RAE | 7.3           | 220V 50/60Hz  | RSCR      | 190 / 190   | 1.60 / 1.58 | - | - |
|             |             |               |               | RSIR      | -           | -           | - | - |
| DGH73C15GAX | 7.3         | 220V 50Hz     | RSCR          | 215 / 270 | 1.55 / 1.60 | -           | - |   |
|             |             |               | RSIR          | 215       | 1.45        | -           | - |   |
| DGH73C15RAX | 7.3         | 220V 50Hz     | RSCR          | -         | -           | -           | - |   |
|             |             |               | RSIR          | -         | -           | -           | - |   |
| DGH73C12BAW | 7.3         | 220/240V 50Hz | RSCR          | 215       | 1.60        | -           | - |   |
|             |             |               | RSIR          | -         | -           | -           | - |   |

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# KONOR, COMPRESSOR, GQR80AA, R134A, LBP, 240V, 50Hz, 8.1cm<sup>3</sup>, 1/4HP, 198W, -KONOR CATALOGE pdf

written by Lilianne | 15 December 2021

|         |                    |       |      |      |         |               |       |       |
|---------|--------------------|-------|------|------|---------|---------------|-------|-------|
| GQR80AA | 8.1cm <sup>3</sup> | 186MM | RSIR | 198W | 1.19W/W | 220-240V/50Hz | 1/4HP | 9.4Kg |
|---------|--------------------|-------|------|------|---------|---------------|-------|-------|

KONOR COMPRESSOR GQR80AA 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, displays, beer displays 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 | Net W | Weight | KG    |
|---------|--------|-------|------------|---------------|------------------|-------|--------|-------|
| GQR60AA | 6      | 1/6   | RSIR       | 220-240V/50Hz | 140              |       |        | 9.4   |
| GQR70AA | 6.6    | 1/5   | RSIR       | 220-240V/50Hz | 165              |       |        | 9.4   |
| GQR80AA | 8.1    | 1/4   | RSIR       | 220-240V/50Hz | 198              |       |        | 9.4   |
| GQR90AA | 9.1    | 1/4   | RSIR       | 220-240V/50Hz | 220              |       |        | 10.1  |
| GQY99AA | 9.9    | 1/4   | RSIR       | 220-240V/50Hz | 270              |       |        | 10.9  |
| GQY12AF | 11.8   | 1/3   | CSIR       | 220-240V/50Hz | 325              |       |        | 10.56 |
| GQY16AF | 16.2   | 3/8   | CSIR       | 220-240V/50Hz | 380              |       |        | 12.1  |
| GP16MG  | 16.2   | 5/8   | CSIR       | 220-240V/50Hz | 870              |       |        | 12.5  |
| GP12MG  | 11.8   | 5/8   | CSIR       | 220-240V/50Hz | 656              |       |        | 10.9  |
| GP12TG  | 11.8   | 3/8   | CSIR       | 220-240V/50Hz | 1140             |       |        | 11.8  |
| GQR80TG | 8.1    | 1/4   | CSIR       | 220-240V/50Hz | 730              |       |        | 9.8   |
| GQR90TG | 9.1    | 1/4   | CSIR       | 220-240V/50Hz | 830              |       |        | 10.5  |
| GQR60TG | 6      | 1/5   | CSIR       | 220-240V/50Hz | 520              |       |        | 9.8   |

One year warranty\*.

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KONOR Compressor GQR80AA

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Heating & Refrigerating

**SIKELAN**

**R134a**

**GQR80TG**

220-240V ~ 50/60Hz 1PH



17.08.2018

Zhejiang Mairi Refrigeration Technology Co., LTD.

COOLING CAPACITY: 400W

20180183T

Success

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# **GP14TB, R-134a, 3/8HP++, 230V, Haute Pression, CUBIGEL/HUAYI, Décalage: 14.17 cm<sup>3</sup>**

written by Lilianne | 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 cm<sup>3</sup>**
- **Cons.Énergie -10°C: 366 W**
- **Cons.Énergie -5°C: 406 W**
- **Cons.Énergie 0°C: 448 W**
- **Cons.Énergie +5°C: 491 W**
- **Cons.Énergie +10°C: 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 <sup>3</sup> 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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Mbsm\_dot\_pro\_private\_PDF\_gp14tb-1Télécharger  
Mbsm\_dot\_pro\_private\_PDF\_gp14tbTélécharger

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

written by Lilianne | 15 December 2021

Type: Hermetic scroll compressors Producer: Copeland Series: ZR

Model: ZR144KCE-TFD

## Technical data

|                                   |      |
|-----------------------------------|------|
| Displacement [m <sup>3</sup> /h]: | 33,2 |
| Sound power [dBA]:                | 75   |
| Sound pressure level [dB]:        | 64   |
| Net Weight [kg]:                  | 61,2 |
| Gross Weight [kg]:                | 72   |

|                                    |     |  |
|------------------------------------|-----|--|
| Oil charge [dm <sup>3</sup> ]:     | 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 m<sup>3</sup> / h (191,23 cm<sup>3</sup>)

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

|                             |                |
|-----------------------------|----------------|
| <b>Shipping Class</b>       | Standard       |
| <b>Scope Of Application</b> | HBP            |
| <b>Lieferzeit</b>           | Ca. 10-14 Tage |

|                                     |                  |
|-------------------------------------|------------------|
| <b>Type Of Construction</b>         | Scroll           |
| <b>Maker</b>                        | Copeland         |
| <b>Manufacturer No.</b>             | ZR144KCE-TFD-425 |
| <b>Style</b>                        | 1                |
| <b>Refrigerants</b>                 | R407C            |
| <b>Series</b>                       | ZR               |
| <b>Condensing Units Compressors</b> | Compressors      |
| <b>Suspense</b>                     | 380-420V         |
| <b>Weight In Kg</b>                 | 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         |



MODEL **ZR144KCE – TFD – 550**



SERIAL **13G6771ET**



|                               |                        |                         |                |
|-------------------------------|------------------------|-------------------------|----------------|
| PED CAT2 / FG2                |                        | HIGH SIDE PS = 32.0 BAR |                |
| $\dot{V}$ (m <sup>3</sup> /h) | n (min <sup>-1</sup> ) | BOX                     | PED LOW SIDE   |
| 40.05                         | 3500                   | IP                      | TS MIN = -35°C |
| 33.18                         | 2900                   | 21                      | TS MAX = 50 °C |
| 93384-016 UA7635 2            |                        | THERMALLY PROTECTED     |                |

**AVERTISSEMENT**

## **ADVERTENCIA**

Únicamente personal capacitado deberá efectuar el servicio del equipo. El no seguir estas advertencias de seguridad podrá ser causa de lesiones graves o la muerte.

**PELIGRO DE DESCARGA ELECTRICA**

Desconecte la corriente eléctrica antes de dar servicio. Descargue todos los capacitores. Este equipo debe usarse únicamente en un sistema conectado a tierra. Use siempre un sistema con tierra adecuado para el equipo. El sistema de tierra debe ser capaz de soportar la corriente de falla.



# PETRA

PETRA ENGINEERING INDUSTRIES CO.  
P.O. BOX 141351 Amman 11814 JORDAN



MODEL  REF. No.

SERIAL NO.  NOMINAL POWER SUPPLY VOLT/Hz /Ph

| COMP. MOTOR A | QTY                            | VOLT                             | LRA                              | RLA                               | Max. Amp.                         | hp                              |
|---------------|--------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|---------------------------------|
|               | <input type="text" value="1"/> | <input type="text" value="380"/> | <input type="text" value="110"/> | <input type="text" value="19.5"/> | <input type="text" value="22.3"/> | <input type="text" value="12"/> |

| COMP. MOTOR B | QTY                  | VOLT                 | LRA                  | RLA                  | Max. Amp.            | hp                   |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|               | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

| COND. FAN MOTOR A | QTY                            | VOLT                             | Ph                             | kW                                | FLA                              |
|-------------------|--------------------------------|----------------------------------|--------------------------------|-----------------------------------|----------------------------------|
|                   | <input type="text" value="2"/> | <input type="text" value="380"/> | <input type="text" value="3"/> | <input type="text" value="0.43"/> | <input type="text" value="1.1"/> |

| COND. FAN MOTOR B | QTY                  | VOLT                 | Ph                   | kW                   | FLA                  |
|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|                   | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

| EVAP. FAN MOTOR | QTY                            | VOLT                             | Ph                             | kW                             | FLA                              |
|-----------------|--------------------------------|----------------------------------|--------------------------------|--------------------------------|----------------------------------|
|                 | <input type="text" value="1"/> | <input type="text" value="380"/> | <input type="text" value="3"/> | <input type="text" value="4"/> | <input type="text" value="8.4"/> |

| ELECTRIC HEATER | QTY                            | VOLT                             | Ph                             | kW                             | FLA                               |
|-----------------|--------------------------------|----------------------------------|--------------------------------|--------------------------------|-----------------------------------|
|                 | <input type="text" value="3"/> | <input type="text" value="220"/> | <input type="text" value="1"/> | <input type="text" value="3"/> | <input type="text" value="13.5"/> |

COIL TEST PRESSURE  Psig REFRIGERANT

MINIMUM WATER LOOP VOLUME (GAL)

CHILLER MINIMUM WATER FLOW RATE (GPM)

Made in Jordan



Manufacturing Year



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**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**

written by Lilianne | 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 |
| Cylindr          | 8.35    |
| R f rence marque | NL8.4MF |



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|           |                |                      |                   |
|-----------|----------------|----------------------|-------------------|
| R134a     | refrigerant    | 605089               | رقم القطعة        |
| HP 1/4    | power          | NL8.4MF              | type              |
| RSIR/CSIR | motor system   | cm <sup>3</sup> 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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Mbsm\_dot\_pro\_private\_PDF\_NL8.4MFT l charger

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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

written by Lilianne | 15 December 2021

## Détails du produit

|                   |         |
|-------------------|---------|
| <b>Poids brut</b> | 13.8 kg |
| <b>Poids Net</b>  | 13.8 kg |

| <b>Applications</b>                            | HBP<br>LBP<br>MBP |
|--|-------------------|
| <b>Charge en fluide frigorigène [kg] [Max]</b> | 1.3 kg            |
| <b>Charge en huile [L]</b>                     | 600 L             |
| <b>Code de configuration</b>                   | Simple            |
| <b>Couleur</b>                                 | Noir              |
| <b>Courant d'appel HST [A]</b>                 | 18.6 A            |
| <b>Description</b>                             | SC18G             |

|  |                       |
|--|-----------------------|
| <b>Diamètre de raccordement à l'aspiration [mm]</b>  | 10.2 mm               |
| <b>Diamètre du raccord au refoulement [mm]</b>       | 6.2 mm                |
| <b>Diamètre du raccordement du traitement [mm]</b>   | 6.2 mm                |
| <b>Désignation du modèle</b>                         | Compresseur           |
| <b>Emballage (format)</b>                            | Emballage industriel  |
| <b>Faible valeur de plage de tension à 50 Hz [V]</b> | 187 V                 |
| <b>Faible valeur de plage de tension à 60 Hz [V]</b> | 198 V                 |
| <b>Faible valeur de tension nominale à 50 Hz [V]</b> | 208 V                 |
| <b>Faible valeur de tension nominale à 60 Hz [V]</b> | 220 V                 |
| <b>Fluides</b>                                       | R134a                 |
| <b>Fréquence [Hz]</b>                                | 50/60                 |
| <b>Hauteur de la base [mm]</b>                       | 213 mm                |
| <b>Hauteur du raccordement de refoulement [mm]</b>   | 110 mm                |
| <b>Hauteur raccordement aspiration [mm]</b>          | 193 mm                |
| <b>Hauteur totale [mm]</b>                           | 219 mm                |
| <b>LRA HST [A]</b>                                   | 18.6 A                |
| <b>Matériel du raccord au process</b>                | Acier cuivré          |
| <b>Matériel du raccord d'aspiration</b>              | Acier cuivré          |
| <b>Matériel du raccord de refoulement</b>            | Acier cuivré          |
| <b>Niveau d'énergie de l'application</b>             | Compresseur universel |
| <b>Nombre de phases (compresseur)</b>                | 1                     |
| <b>Nombre de phases (ventilateur)</b>                | 1                     |

|   |                                    |
|---|------------------------------------|
| <b>Norme d'approbation</b>  | CE EN 60335-2-34<br>avec Annexe AA |
| <b>Notes concernant le raccord de refoulement</b>   | Capuchon en aluminium              |
| <b>Notes concernant le raccordement au process</b>  | Capuchon en aluminium              |
| <b>Notes concernant le raccordement à l'aspiration</b>  | Capuchon en aluminium              |
| <b>N° de modèle</b>   | SC18G                              |
| <b>N° de schéma</b>   | 8258                               |
| <b>Oil type</b>   | POE                                |
| <b>Phase</b>  | 1                                  |
| <b>Puissance frigorifique nominale<br/>60 kBTU/h</b>  | 6.06 kBTU/h                        |
| <b>Puissance frigorifique nominale à 60 Hz</b>  | 1.8 kW                             |
| <b>Quantité d'huile [cm<sup>3</sup>]</b>  | 600 cm <sup>3</sup>                |
| <b>Quantité par emballage</b>   | 80                                 |
| <b>raccord de refoulement équerre [°]</b>   | 37 °                               |
| <b>raccord d'aspiration équerre [°]</b>   | 37 °                               |
| <b>Raccordement de process équerre</b>  | 37 °                               |
| <b>Régulation de la puissance</b>   | Vitesse fixe                       |
| <b>Résistance de l'enroulement auxiliaire<br/>(enroulement de démarrage) pour<br/>compresseurs monophasés [ohm]</b> | 14.1 Ohm                           |
| <b>Résistance de l'enroulement principal<br/>pour compresseurs monophasés [Ohm]</b>                                 | 3.7 Ohm                            |
| <b>Technique de la marque</b>   | Compresseur à pistons              |
| <b>Technologie</b>  | Piston                             |
| <b>Température d'enroulement max. continue<br/>[°C] [Max]</b>   | 125 °C                             |

|  |                                      |
|--|--------------------------------------|
| <b>Température de l'enroulement à court terme [°C] [Max]</b> | 135 °C                               |
| <b>Tension 50 Hz [V]</b>                                     | 220 V                                |
| <b>Tension 50 Hz [V] [max.]</b>                              | 240 V                                |
| <b>Tension 60 Hz [V]</b>                                     | 220 V                                |
| <b>Tension 60 Hz [V] [max.]</b>                              | 240 V                                |
| <b>Type</b>  | SC                                   |
| <b>Type de moteur</b>  | CSIR                                 |
| <b>Type de socle</b>   | Universel                            |
| <b>Utilisation de tronçon</b>                                | Réfrigération LT<br>Réfrigération MT |
| <b>Valeur du condensateur A</b>                              | 10 µF                                |
| <b>Valeur du condensateur B</b>                              | 80 uF                                |
| <b>Valeur élevée de plage de tension à 50 Hz [V]</b>         | 254 V                                |
| <b>Valeur élevée de plage de tension à 60 Hz [V]</b>         | 254 V                                |
| <b>Valeur élevée de tension nominale à 50 Hz [V]</b>         | 230 V                                |
| <b>Valeur élevée de tension nominale à 60 Hz [V]</b>         | 230 V                                |
| <b>Vitesse de rotation à 50 Hz [rpm]</b>                     | 2900 rpm                             |
| <b>Vitesse de rotation à 60 Hz [rpm]</b>                     | 3500 rpm                             |
| <b>Volume balayé [cm<sup>3</sup>]</b>                        | 17.69 cm <sup>3</sup>                |
| <b>Volume de gaz libre [cm<sup>3</sup>]</b>                  | 1460 cm <sup>3</sup>                 |
| <b>Économiseur</b>   | No                                   |

## Documents



| Type de document              | Country              | Langue      | Titre |
|-------------------------------|----------------------|-------------|-------|
| Catalogue                     | France               | Français    |       |
| Fiche technique               | Afrique du Sud       | Allemand    |       |
| Warranty                      | Allemagne            | Anglais     |       |
| Matériel promotionnel         | Australie            | Arabe       |       |
| Guide d'installation          | Autriche             | Bulgare     |       |
| EAC                           | Belarus              | Chinois     |       |
| Declaration                   | Belgique             | Coréen      |       |
| Brochure                      | Brazil               | Croate      |       |
| Article UA                    | Bulgarie             | Danois      |       |
| Declaration                   | Canada               | Espagnol    |       |
| Manuel d'utilisation          | Chili                | Estonien    |       |
| Electrical Safety Certificate | Chine (continentale) | Finnois     |       |
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| Manuel           | (continentale)  | Grec        |       |
| d'utilisation    | Colombie        | Hindi       |       |
| Electrical       | Corée du Sud    | Hongrois    |       |
| Safety           | Croatie         | Hébreu      |       |
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|                  | Israël          | Russe       |       |
|                  | Italie          | Serbe       |       |
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|                  | Kazakhstan      | Slovène     |       |
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|                  | Lithuania       |             |       |
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|                  | Malaisie        |             |       |
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|                               | Finlande             | Japonais    |       |
|                               | Grande Bretagne      | Kazakh      |       |
|                               | Grèce                | Letton      |       |
|                               | Hongrie              | Lituanien   |       |
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|                               | Indonésie            | Néerlandais |       |
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|                               | Italie               | Russe       |       |
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|                               | Kazakhstan           | Slovaque    |       |
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| Article UA       | Chili           | Estonien    |       |
| Declaration      | Chine           | Finnois     |       |
| Manuel           | (continentale)  | Grec        |       |
| d'utilisation    | Colombie        | Hindi       |       |
| Electrical       | Corée du Sud    | Hongrois    |       |
| Safety           | Croatie         | Hébreu      |       |
| Certificate      | Danemark        | Indonésien  |       |
|                  | Emir.arab.unis  | Islandais   |       |
|                  | Espagne         | Italien     |       |
|                  | Estonia         | Japonais    |       |
|                  | Finlande        | Kazakh      |       |
|                  | Grande Bretagne | Letton      |       |
|                  | Grèce           | Lituanien   |       |
|                  | Hongrie         | Norvégien   |       |
|                  | Inde + Sikkim   | Néerlandais |       |
|                  | Indonésie       | Polonais    |       |
|                  | Ireland         | Portugais   |       |
|                  | Islande         | Roumain     |       |
|                  | Israël          | Russe       |       |
|                  | Italie          | Serbe       |       |
|                  | Japon           | Slovaque    |       |
|                  | Kazakhstan      | Slovène     |       |
|                  | Lettonie        | Suédois     |       |
|                  | Lithuania       |             |       |
|                  | Macedonia       |             |       |
|                  | Malaisie        |             |       |
|                  | Mexique N.      |             |       |
|                  | Zélande         |             |       |
|                  | Norvège         |             |       |
|                  | Pays-Bas        |             |       |
|                  | Philippines     |             |       |
|                  | Pologne         |             |       |
|                  | Portugal        |             |       |
|                  | Roumanie        |             |       |





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**Donper, Refrigeration,**

# Compressor, R134A, freezer, LU140CY1, CT6220CE, AK120CY1, 1/3Hp-

written by Lilianne | 15 December 2021

## Product Description

### Donper Refrigeration Compressor R134A

– Famous and Popular Compressors

– D series hermetic compressors 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 curvature design of its housing, low operating vibration and sound levels have been achieved.

| R600a Series  |              |               |              |       |         |            |              |                  |         |      |      |
|---------------|--------------|---------------|--------------|-------|---------|------------|--------------|------------------|---------|------|------|
| Refrigerant   | Application  | 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  |

|                         |                   |                                |                   |
|-------------------------|-------------------|--------------------------------|-------------------|
| <b>Model no</b>         | L140CY1           | <b>Refrigerant</b>             | R600a             |
| <b>Cooling capacity</b> | 230W              | <b>Input power</b>             | 170W              |
| <b>Hose Power</b>       | 1/3- HP           | <b>Temperature application</b> | LBP               |
| <b>Displacement</b>     | 14cm <sup>3</sup> | <b>Working Current</b>         | 1.3A              |
| <b>Voltage</b>          | 220V~240V/50Hz    | <b>COP</b>                     | 1.35W/W           |
| <b>Motor type</b>       | RSIR              | <b>Cylinder capacity</b>       | 14cm <sup>3</sup> |
| <b>Cooling type</b>     | Need a fan motor  | <b>Weight</b>                  | 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  |
| Brand Name:             | Dongbei/OEM  | Place of Origin:              | Hubei, China  |
| Application:            | Refrigeration Parts                                      | Type:                         | Refrigeration Compressor                                    |
| Product name:           | R600a 1/3 hp Refrigeration Commercial Freezer Compressor | Warranty:                     | 1 year  |
| Voltage:                | 220V~240V/50HZ   | Refrigerant:                  | R600a   |
| Cooling capacity:       | 230W   | Horse Power:                  | 1/3   |
| Cylinder capacity:      | 14 Cubic Centimetre                                      | Input power:                  | 170W  |
| Motor Type:             | RSIR   | Working current:              | 1.3A  |
| After Warranty Service: | Online support   | Weight:                       | 8.6±0.4kg   |
| Certification:          | CCC/VDE  | Local Service Location:       | None  |
|                         |  | After-sales Service Provided: | Online support  |



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|                  |                   |
|------------------|-------------------|
| COOLING CAPACITY | 230W              |
| REFRIGERANTS     | R600a             |
| INPUT POWER      | 170W              |
| HORSE POWER      | 1/3-              |
| DISPLACEMENT     | 14cm <sup>3</sup> |



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

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PDF

**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 | 15 December 2021

## Product details

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

|   |   |
|---|---|
| <b>Approval standard</b>                          | CE<br>UL                                |
| <b>Brand technique</b>                            | Reciprocating<br>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>                                | MT080-4                                 |
| <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<br>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>                           | B                       |
| <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>                                    | 80 A                        |
| <b>MCC</b>                                    | 18 A                        |
| <b>Model number</b>                           | MT80HP4AVE                  |
| <b>Motor protection</b>                       | Internal overload protector |
| <b>Mounting torque [Nm]</b>                   | 15 Nm                       |
| <b>Nominal cooling capacity 60 kBTU/h</b>     | 80.2 kBtu/h                 |
| <b>Nominal cooling capacity at 50Hz</b>       | 17.8 kW                     |
| <b>Nominal cooling capacity at 60Hz</b>       | 23.5 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>                  | 455 mm                      |
| <b>Packaging length [mm]</b>                  | 395 mm                      |
| <b>Packaging weight [Kg]</b>                  | 44 kg                       |
| <b>Packaging width [mm]</b>                   | 365 mm                      |
| <b>Packing format</b>                         | Single pack                 |
| <b>Packing quantity</b>                       | 1                           |
| <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<br>Refrigeration MT                                  |
| <b>Shipped fittings</b>                         | Suction and discharge<br>solder sleeves, rotolock<br>nuts and gaskets |
| <b>Shipped instructions</b>                     | Installation<br>instructions  |
| <b>Shipped mounting</b>                         | Mounting kit with<br>grommets, bolts, nuts,<br>sleeves and washers    |
| <b>Shipped oil</b>                              | Initial oil charge  |
| <b>Suction connection height [mm]</b>           | 265 mm  |
| <b>Suction connection mounting torque [Nm]</b>  | 110 Nm  |
| <b>Suction connection pipe size [in]</b>        | 1 1/8 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> | 1 1/8 in  |
| <b>Swept volume [cm<sup>3</sup>]</b>            | 135.78 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> | 1.94 Ohm |
|---|----------|

Description

## Product details

|                     |               |
|---------------------|---------------|
| <b>Gross weight</b> | 44.5 kg       |
| <b>Net weight</b>   | 42 kg         |
| <b>EAN</b>          | 5702428839525 |
| <b>Gross weight</b> | 44.5 kg       |
| <b>Net weight</b>   | 42 kg         |
| <b>EAN</b>          | 5702428839525 |

|  |                          |
|--|--------------------------|
| <b>Approval standard</b>                         | CE<br>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>                               | MT080-4                  |
| <b>Diameter [mm]</b>                             | 288 mm                   |
| <b>Discharge connection height [mm]</b>          | 74 mm                    |
| <b>Discharge connection mounting torque [Nm]</b> | 90 N-m                   |



|   |                                      |
|---|--------------------------------------|
| <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>                            | B                                    |
| <b>Glass mounting</b>                             | Threaded                             |
| <b>Glass torque [Nm]</b>                          | 50 N-m                               |
| <b>GP LP torque [Nm]</b>                          | 15 N-m                               |
| <b>High side max pressure (Ps)</b>                | 27.8 bar                             |
| <b>High Side TS Max</b>                           | 150 Â°C                              |
| <b>High Side TS Min</b>                           | -35 Â°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 Â°C                      |
| <b>Low Side TS Min</b>                          | -35 Â°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>                                      | 80 A                        |
| <b>MCC</b>                                      | 18.5 A                      |
| <b>Model number</b>                             | MT80HP4AVE                  |
| <b>Motor protection</b>                         | Internal overload protector |
| <b>Mounting torque [Nm]</b>                     | 15 N-m                      |
| <b>Nominal cooling capacity 60 kBTU/h</b>       | 80.2 kBtu/h                 |
| <b>Nominal cooling capacity at 50Hz</b>         | 17.8 kW                     |
| <b>Nominal cooling capacity at 60Hz</b>         | 23.5 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 N-m                      |
| <b>Oil reference</b>                            | 160P                        |

|  |   |
|--|---|
| <b>Packaging height [mm]</b>                   | 455 mm  |
| <b>Packaging length [mm]</b>                   | 395 mm  |
| <b>Packaging weight [Kg]</b>                   | 44 kg   |
| <b>Packaging width [mm]</b>                    | 365 mm  |
| <b>Packing format</b>                          | Single pack   |
| <b>Packing quantity</b>                        | 1   |
| <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<br>Refrigeration MT                                  |
| <b>Shipped fittings</b>                        | Suction and discharge<br>solder sleeves, rotolock<br>nuts and gaskets |
| <b>Shipped instructions</b>                    | Installation<br>instructions  |
| <b>Shipped mounting</b>                        | Mounting kit with<br>grommets, bolts, nuts,<br>sleeves and washers    |
| <b>Shipped oil</b>                             | Initial oil charge  |
| <b>Suction connection height [mm]</b>          | 265 mm  |
| <b>Suction connection mounting torque [Nm]</b> | 110 N-m   |
| <b>Suction connection pipe size [in]</b>       | 1 1/8 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>                                     | 1 1/8 in                    |
| <b>Swept volume [cm<sup>3</sup>]</b>  | 135.78 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 N-m                       |
| <b>Torque power [Nm]</b>  | 3 N-m                       |
| <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> | 1.94 Ohm                    |
| <b>Approval standard</b>  | CE<br>UL                    |
| <b>Brand technique</b>  | Reciprocating<br>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>  | MT080-4                     |
| <b>Diameter [mm]</b>  | 288 mm                      |
| <b>Discharge connection height [mm]</b>   | 74 mm                       |

|   |                                      |
|---|--------------------------------------|
| <b>Discharge connection mounting torque [Nm]</b>  | 90 N-m                               |
| <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>                            | B                                    |
| <b>Glass mounting</b>                             | Threaded                             |
| <b>Glass torque [Nm]</b>                          | 50 N-m                               |
| <b>GP LP torque [Nm]</b>                          | 15 N-m                               |
| <b>High side max pressure (Ps)</b>                | 27.8 bar                             |
| <b>High Side TS Max</b>                           | 150 Â°C                              |
| <b>High Side TS Min</b>                           | -35 Â°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<br/>[V]</b> | 460 V                       |
| <b>High value of voltage range at 50Hz<br/>[V]</b>   | 460 V                       |
| <b>High value of voltage range at 60Hz<br/>[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 Â°C                      |
| <b>Low Side TS Min</b>                               | -35 Â°C                     |
| <b>Low Side Volume</b>                               | 16.5 L                      |
| <b>Low value of nominal voltage at 50Hz<br/>[V]</b>  | 380 V                       |
| <b>Low value of nominal voltage at 60Hz<br/>[V]</b>  | 460 V                       |
| <b>Low value of voltage range at 50Hz<br/>[V]</b>    | 340 V                       |
| <b>Low value of voltage range at 60Hz<br/>[V]</b>    | 414 V                       |
| <b>LRA</b>   | 80 A                        |
| <b>MCC</b>   | 18.5 A                      |
| <b>Model number</b>                                  | MT80HP4AVE                  |
| <b>Motor protection</b>                              | Internal overload protector |
| <b>Mounting torque [Nm]</b>                          | 15 N-m                      |
| <b>Nominal cooling capacity 60 kBTU/h</b>            | 80.2 kBtu/h                 |
| <b>Nominal cooling capacity at 50Hz</b>              | 17.8 kW                     |
| <b>Nominal cooling capacity at 60Hz</b>              | 23.5 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 N-m   |
| <b>Oil reference</b>                           | 160P   |
| <b>Packaging height [mm]</b>                   | 455 mm   |
| <b>Packaging length [mm]</b>                   | 395 mm   |
| <b>Packaging weight [Kg]</b>                   | 44 kg  |
| <b>Packaging width [mm]</b>                    | 365 mm   |
| <b>Packing format</b>                          | Single pack  |
| <b>Packing quantity</b>                        | 1  |
| <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<br>Refrigeration MT                                     |
| <b>Shipped fittings</b>                        | Suction and discharge<br>solder sleeves,<br>rotolock nuts and<br>gaskets |
| <b>Shipped instructions</b>                    | Installation<br>instructions   |
| <b>Shipped mounting</b>                        | Mounting kit with<br>grommets, bolts, nuts,<br>sleeves and washers       |
| <b>Shipped oil</b>                             | Initial oil charge   |
| <b>Suction connection height [mm]</b>          | 265 mm   |
| <b>Suction connection mounting torque [Nm]</b> | 110 N-m  |
| <b>Suction connection pipe size [in]</b>       | 1 1/8 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>                                     | 1 1/8 in      |
| <b>Swept volume [cm3]</b>   | 135.78 cm3    |
| <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 N-m         |
| <b>Torque power [Nm]</b>  | 3 N-m         |
| <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> | 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

|                     |               |
|---------------------|---------------|
| <b>Gross weight</b> | 44.5 kg       |
| <b>Net weight</b>   | 42 kg         |
| <b>EAN</b>          | 5702428839525 |
| <b>Gross weight</b> | 44.5 kg       |
| <b>Net weight</b>   | 42 kg         |
| <b>EAN</b>          | 5702428839525 |



|   |   |
|---|---|
| <b>Approval standard</b>                          | CE<br>UL                                |
| <b>Brand technique</b>                            | Reciprocating<br>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>                                | MT080-4                                 |
| <b>Diameter [mm]</b>                              | 288 mm                                  |
| <b>Discharge connection height [mm]</b>           | 74 mm                                   |
| <b>Discharge connection mounting torque [Nm]</b>  | 90 N-m                                  |
| <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<br>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>                           | B                       |
| <b>Glass mounting</b>                            | Threaded                |
| <b>Glass torque [Nm]</b>                         | 50 N-m                  |
| <b>GP LP torque [Nm]</b>                         | 15 N-m                  |
| <b>High side max pressure (Ps)</b>               | 27.8 bar                |
| <b>High Side TS Max</b>                          | 150 Â°C                 |
| <b>High Side TS Min</b>                          | -35 Â°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 Â°C                  |
| <b>Low Side TS Min</b>                           | -35 Â°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>                                    | 80 A                        |
| <b>MCC</b>                                    | 18.5 A                      |
| <b>Model number</b>                           | MT80HP4AVE                  |
| <b>Motor protection</b>                       | Internal overload protector |
| <b>Mounting torque [Nm]</b>                   | 15 N-m                      |
| <b>Nominal cooling capacity 60 kBTU/h</b>     | 80.2 kBtu/h                 |
| <b>Nominal cooling capacity at 50Hz</b>       | 17.8 kW                     |
| <b>Nominal cooling capacity at 60Hz</b>       | 23.5 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 N-m                      |
| <b>Oil reference</b>                          | 160P                        |
| <b>Packaging height [mm]</b>                  | 455 mm                      |
| <b>Packaging length [mm]</b>                  | 395 mm                      |
| <b>Packaging weight [Kg]</b>                  | 44 kg                       |
| <b>Packaging width [mm]</b>                   | 365 mm                      |
| <b>Packing format</b>                         | Single pack                 |
| <b>Packing quantity</b>                       | 1                           |
| <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<br>Refrigeration MT                                  |
| <b>Shipped fittings</b>                         | Suction and discharge<br>solder sleeves, rotolock<br>nuts and gaskets |
| <b>Shipped instructions</b>                     | Installation<br>instructions  |
| <b>Shipped mounting</b>                         | Mounting kit with<br>grommets, bolts, nuts,<br>sleeves and washers    |
| <b>Shipped oil</b>                              | Initial oil charge  |
| <b>Suction connection height [mm]</b>           | 265 mm  |
| <b>Suction connection mounting torque [Nm]</b>  | 110 N-m   |
| <b>Suction connection pipe size [in]</b>        | 1 1/8 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> | 1 1/8 in  |
| <b>Swept volume [cm<sup>3</sup>]</b>            | 135.78 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 N-m   |
| <b>Torque power [Nm]</b>                        | 3 N-m   |
| <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> | 1.94 Ohm                             |
| <b>Approval standard</b>  | CE<br>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>  | MT080-4                              |
| <b>Diameter [mm]</b>  | 288 mm                               |
| <b>Discharge connection height [mm]</b>   | 74 mm                                |
| <b>Discharge connection mounting torque [Nm]</b>                                    | 90 N-m                               |
| <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                                  |

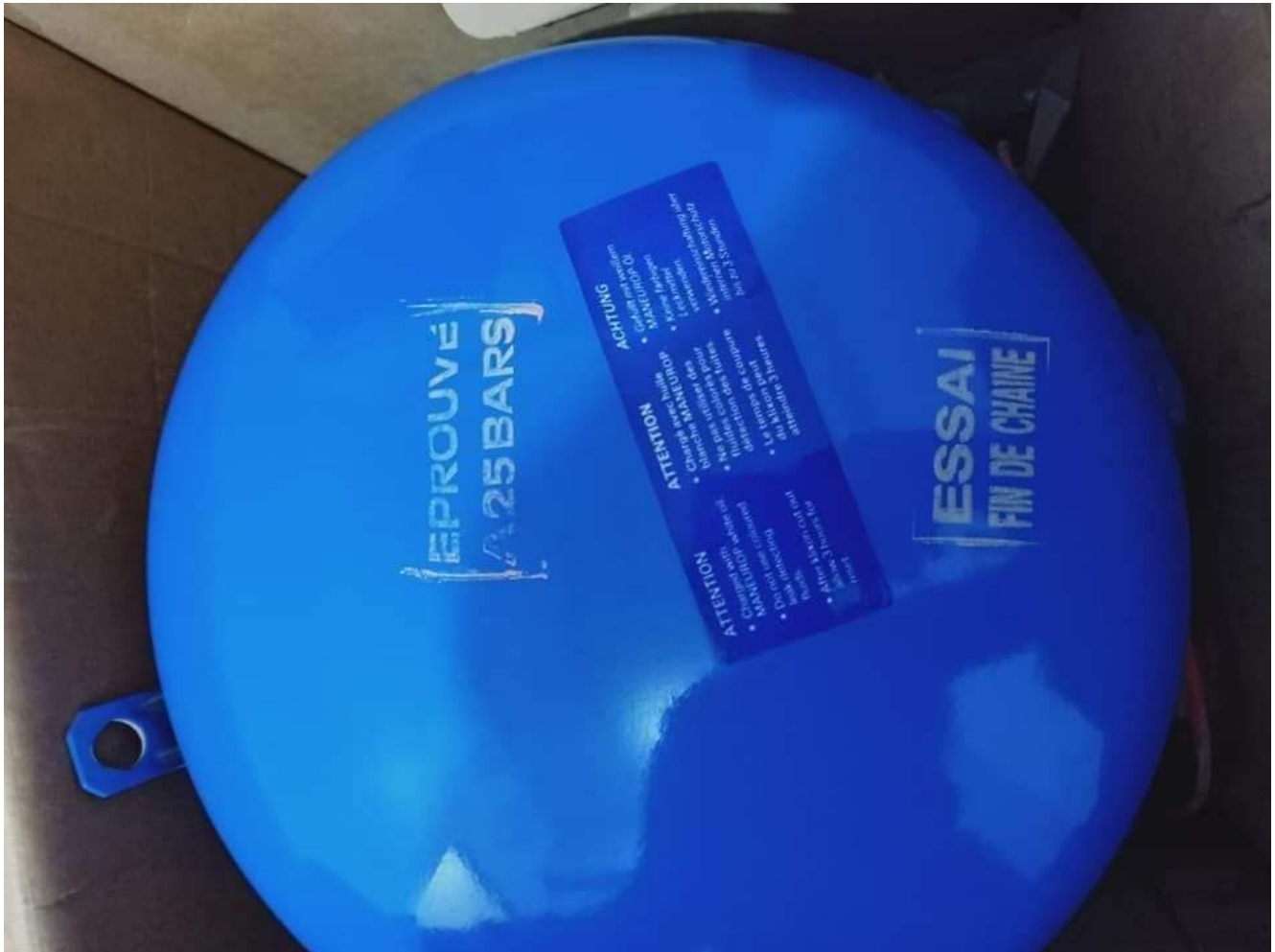
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| <b>Fitting standard</b>                          | Rotolock                |
| <b>Frequency [Hz]</b>                            | 50/60                   |
| <b>Gauge port HP</b>                             | None                    |
| <b>Gauge port LP</b>                             | Schrader                |
| <b>Generation code</b>                           | B                       |
| <b>Glass mounting</b>                            | Threaded                |
| <b>Glass torque [Nm]</b>                         | 50 N-m                  |
| <b>GP LP torque [Nm]</b>                         | 15 N-m                  |
| <b>High side max pressure (Ps)</b>               | 27.8 bar                |
| <b>High Side TS Max</b>                          | 150 Â°C                 |
| <b>High Side TS Min</b>                          | -35 Â°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 Â°C                  |
| <b>Low Side TS Min</b>                           | -35 Â°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>                                    | 80 A                        |
| <b>MCC</b>                                    | 18.5 A                      |
| <b>Model number</b>                           | MT80HP4AVE                  |
| <b>Motor protection</b>                       | Internal overload protector |
| <b>Mounting torque [Nm]</b>                   | 15 N-m                      |
| <b>Nominal cooling capacity 60 kBTU/h</b>     | 80.2 kBtu/h                 |
| <b>Nominal cooling capacity at 50Hz</b>       | 17.8 kW                     |
| <b>Nominal cooling capacity at 60Hz</b>       | 23.5 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 N-m                      |
| <b>Oil reference</b>                          | 160P                        |
| <b>Packaging height [mm]</b>                  | 455 mm                      |
| <b>Packaging length [mm]</b>                  | 395 mm                      |
| <b>Packaging weight [Kg]</b>                  | 44 kg                       |
| <b>Packaging width [mm]</b>                   | 365 mm                      |
| <b>Packing format</b>                         | Single pack                 |
| <b>Packing quantity</b>                       | 1                           |
| <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<br>Refrigeration MT                                     |
| <b>Shipped fittings</b>                         | Suction and discharge<br>solder sleeves,<br>rotolock nuts and<br>gaskets |
| <b>Shipped instructions</b>                     | Installation<br>instructions   |
| <b>Shipped mounting</b>                         | Mounting kit with<br>grommets, bolts, nuts,<br>sleeves and washers       |
| <b>Shipped oil</b>                              | Initial oil charge   |
| <b>Suction connection height [mm]</b>           | 265 mm   |
| <b>Suction connection mounting torque [Nm]</b>  | 110 N-m  |
| <b>Suction connection pipe size [in]</b>        | 1 1/8 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> | 1 1/8 in   |
| <b>Swept volume [cm<sup>3</sup>]</b>            | 135.78 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 N-m  |
| <b>Torque power [Nm]</b>                        | 3 N-m  |
| <b>Total height [mm]</b>                        | 413 mm   |
| <b>Type</b>                                     | MT   |
| <b>Type designation</b>                         | 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.