

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

Category: compressor

written by www.mbsm.pro | 15 December 2021

GENERAL DATA

Application: LBP

Refrigerant: R600a

Evaporating Temperature Range: -35°C to -10°C

Compressor Cooling: Static

Type: Hermetic reciprocating

Technology Type: On-Off

Expansion Device: Capillary Tube

Packing Quantity: 100

Displacement: 3.97 cm³

Horse power: 1/12 hp

Approvals:

MECHANICAL DATA

Bore: 19 mm

Stroke: 14 mm

Oil Charge: 180ml

Oil Type Configuration: ALQUILB

Oil Type Viscosity: 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 Ω (± 10%) at 25°C

Model **EMX20CLC**

Code 513309529...S

embraco POWER IN.
CHANGE ON.

220V 60 1~

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

(LP) , 30hp

Category: compressor

written by www.mbsm.pro | 15 December 2021

BITZER is raising the bar in terms of technology and capacity for expanded low temperature applications with the 2nd generation of 2-stage compressors. This series is the result of extensive research on the basis of years of experience in the construction of highly efficient and solid reciprocating compressors. The gas flow control and working valves are specially adapted for low temperature applications.

- Displacement at 1450 min⁻¹ : 101,1 (LP) 50,5 (HP)
- Number of cylinders : 6
- Oilcharge : 4,75 dm³

Displacement (1450 RPM 50Hz):101.10 / 50.50 m³/h Displacement (1750 RPM 60Hz):122.02 / 60.95 m³/h

The Bitzer Compressor is high quality!

Displacement (1450 RPM 50Hz):101.10 / 50.50 m³/h

Displacement (1750 RPM 60Hz):122.02 / 60.95 m³/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
GYD60385VLJR4-1
4TE-9.F3Y-40S
GMD60182VBYB3-2
GMD80120VLR232
GUD60120VBYR5-2
GSD60154VAYR232
GMD60154VBYR632
44EES-12-40S
GMD60154VBB432
GUD80421VWR4-2
GYD80385VAYR2-2
GTD60385VLB632
GED60235VLB2
GED60154VAYR4
GSD80421VWR5-2
GUD60421VBR5
GYD80182VBYB5-1
GED60295VBB5
GED80421VAR4-1
GED60385VLYB3
GYU80421VLR2
GSD80485VBB5-1
GED60120VLB2
GUD60421VBR332
GTD60154VAB4-2
GED60421VAYB6-1
GMD60485VBB5-1
GSD60485VAYR4
GED80295VLJR6-1
GSD60235VAYB232
GTD60385VBYR3-1
GUD60154VBB3-2
GUD80295VWB6-2
GED60421VAR5
GMD80421VBR4
GED80182VLR532
GSD60154VBYB6-1
GTD80421VBYR332
GSD60182VAYB4-1
GUD80485VWYR5-2
GSU80295VLJR6-1
GSD80182VLJR2-2
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]



BITZER KÜHLMASCHINENBAU GMBH
Made in Germany

Type S6F-30.2Y-40P

S.No. 1600308267



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

IP 54 LP/HP max. 19 / 28 bar





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

current(lockedrotor)LPHPDLSLdm3KgmpouceAmpkW
Y/YYS6F-30.2Y101,150,567.752343513/842
5415/8
21/8380 ..420YY/3/50
440 ..480 YY/3/605131,9135/220

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

Category: compressor

written by www.mbsm.pro | 15 December 2021

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



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	-	-	-	-
	DGH73C15RAW	7.3	220/240V 50Hz	RSCR	215	1.60	-	-
				RSIR	-	-	-	-

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

Category: compressor

written by www.mbsm.pro | 15 December 2021

GQR80AA 8.1cm³ 186MM RSIR 198W 1.19W/W 220-240V/50Hz 1/4HP 9.4Kg

KONOR COMPRESSORGQR80AA R134A LBP 240V 50Hz

Product description:

R134a GQR80AA series sealed refrigeration compressor 220-240v/50Hz

The main feature:

strong loading capacity,
high efficiency,
low noise,
light vibration,
good reliability.

suitable for mid-size refrigerators, freezers, displayers, beer displayers and other mid-size refrigeration appliances. The structure form is hermetical crank connecting-rod reciprocating piston type.

They are the best selling high-tech compressors sold in the world. They are ideal for domestic refrigeration and also for small commercial applications. They are small, have low noise and vibration levels, they achieve the highest levels of efficiency available in the market for this category.

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

One year warranty*.

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KONOR Compressor GQR80AA



Heating & Refrigerating
SIKELAN

GQR80TG

220-240V~50/60Hz 1PH

R134a



17.08.2018

Zhejiang Waidi Refrigeration Technology Co., LTD.

Suct

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

Category: compressor

written by www.mbsm.pro | 15 December 2021

- **CUBIGEL/HUAYI**

- **Original**

Données techniques

- Modèle: **GP14TB**
- Gaz: **R-134a**
- Température/Pression: **Haute Pression**
- Puissance: **3/8 HP**
- Type De Courant: **Monophasé**
- Fréquence: **50 Hz**
- Type De Compresseur: **Hermétique**
- Décalage: **14.17 cm³**
- Cons.Énergie -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 ³ 14	cylinder capacity
mm 203.6	height	V 220-240	voltage
W 643	power at -5°C	W 497	power at -10°C
W 999	power at +5°C	W 810	power at 0°C
W 271	power at -20°C	W 191	power at -25°C
W 1209	power at +10°C	W 373	power at -15°C
HMBP	application	ASHRAE	test method
C° 43	.ambient temperature max	Hz 50	frequency
		kg 11.5	weight

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

Category: compressor

written by www.mbsm.pro | 15 December 2021

Type: Hermetic scroll compressors**Producer:** Copeland**Series:** ZR

Model: ZR144KCE-TFD

Technical data

Displacement [m ³ /h]:	33,2
Sound power [dBA]:	75
Sound pressure level [dB]:	64
Net Weight [kg]:	61,2
Gross Weight [kg]:	72
Oil charge [dm ³]:	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 ³ / h (191,23 cm ³)	
Cooling capacity (0 ° C): 20.00 kW.	
Oil quantity: 3.38 L.	
Noise level: 61 dBA – 1 m.	
Max. Noise level: 75 dBA.	
Max. Operating current (FLA): 22.3 A.	
LRA: 118.0 A.	
Connectors: 1.3 / 8 "x 7/8".	
Dimensions (LxWxH): 264x285x533 mm	

Net Weight: 61.2 kg

Shipping Class

Standard

Scope Of Application

HBP

Lieferzeit

Ca. 10-14 Tage

Type Of Construction

Scroll

Maker

Copeland

Manufacturer No.

ZR144KCE-TFD-425

Style

1

Refrigerants

R407C

Series

ZR

Condensing Units Compressors Compressors

Suspense

380-420V

Weight In Kg

61

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



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MODEL ZR144KCE – TFD – 550



SERIAL 13G6771ET



US
SA2337



PED CAT2 / FG2		HIGH SIDE PS = 32.0 BAR	
$\dot{V}$ (m ³ /h)	n (min ⁻¹)	BOX	PED LOW SIDE
40.05	3500	IP	TS MIN = -35°C
33.18	2900	21	TS MAX = 50 °C
93084-016 UA7635 2		THERMALLY PROTECTED	

⚠ 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 ELÉCTRICA
Desconecte la corriente eléctrica antes de dar servicio. Desconecte todos los capacitores. Este equipo debe usarse únicamente en un sistema conectado a tierra. Usar guantes aislantes. El sistema contiene partes móviles y partes calientes. Evite el contacto directo con las partes calientes. Evite el contacto con las partes móviles.





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
	1	380	110	19 6	22 3	12
COMP. MOTOR B	QTY	VOLT	LRA	RLA	Max. Amp.	hp

	QTY	VOLT	Ph	kW	FLA
COND. FAN MOTOR A	2	380	3	0 43	1 1
COND. FAN MOTOR B					
EVAP. FAN MOTOR	1	380	3	4	8 4
ELECTRIC HEATER	3	220	1	3	13 6

COIL TEST PRESSURE Psig REFRIGERANT

MINIMUM WATER LOOP VOLUME (GAL)

CHILLER MINIMUM WATER FLOW RATE (GPM)

Made in Jordan



Manufacturing Year

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

Category: compressor

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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
Cylindrée	8.35
Référence marque	NL8.4MF



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R134a	refrigerant	605089	رقم القطعة
HP 1/4	power	NL8.4MF	type
RSIR/CSIR	motor system	cm ³ 8.35	cylinder capacity
W 491	power at -5°C	W 390	power at -10°C
W 749	power at +5°C	W 610	power at 0°C
W 235	power at -20°C	W -	power at -25°C
W 912	power at +10°C	W 305	power at -15°C
HMBP	application	ASHRAE	test method
Hz 50	frequency	kg 10.5	weight
mm 197	height	V 220-240	voltage

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

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

Category: compressor

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Détails du produit

Poids brut 13.8 kg

Poids Net 13.8 kg

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

Norme d'approbation	CE EN 60335-2-34 avec Annexe AA
Notes concernant le raccord de refoulement	Capuchon en aluminium
Notes concernant le raccordement au process	Capuchon en aluminium
Notes concernant le raccordement à l'aspiration	Capuchon en aluminium
N° de modèle	SC18G
N° de schéma	8258
Oil type	P0E
Phase	1
Puissance frigorifique nominale 60 kBTU/h	6.06 kBTu/h
Puissance frigorifique nominale à 60 Hz	1.8 kW
Quantité d'huile [cm ³]	600 cm ³
Quantité par emballage	80
raccord de refoulement équerre [°]	37 °
raccord d'aspiration équerre [°]	37 °
Raccordement de process équerre	37 °
Régulation de la puissance	Vitesse fixe
Résistance de l'enroulement auxiliaire (enroulement de démarrage) pour compresseurs monophasés [ohm]	14.1 Ohm
Résistance de l'enroulement principal pour compresseurs monophasés [Ohm]	3.7 Ohm
Technique de la marque	Compresseur à pistons
Technologie	Piston
Température d'enroulement max. continue [°C] [Max]	125 °C
Température de l'enroulement à court terme [°C] [Max]	135 °C
Tension 50 Hz [V]	220 V
Tension 50 Hz [V] [max.]	240 V
Tension 60 Hz [V]	220 V
Tension 60 Hz [V] [max.]	240 V
Type	SC
Type de moteur	CSIR
Type de socle	Universel
Utilisation de tronçon	Réfrigération LT Réfrigération MT
Valeur du condensateur A	10 µF
Valeur du condensateur B	80 uF
Valeur élevée de plage de tension à 50 Hz [V]	254 V
Valeur élevée de plage de tension à 60 Hz [V]	254 V
Valeur élevée de tension nominale à 50 Hz [V]	230 V
Valeur élevée de tension nominale à 60 Hz [V]	230 V
Vitesse de rotation à 50 Hz [rpm]	2900 rpm
Vitesse de rotation à 60 Hz [rpm]	3500 rpm
Volume balayé [cm ³]	17.69 cm ³
Volume de gaz libre [cm ³]	1460 cm ³
Économiseur	No

Documents

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

		Country	France	
		Afrique du Sud		Langue
		Allemagne		Français
		Australie	Autriche	Allemand
		Belarus	Belgique	Anglais
		Brazil	Bulgarie	Arabe
		Canada	Chili	Bulgare
		(continentale)	Chine	Chinois
		Colombie	Corée du	Coréen
		Sud	Croatie	Croate
		Danemark		Danois
		Emir.arab.unis		Espagnol
		Espagne	Estonia	Estonien
		Finlande	Grande	Finois
		Bretagne	Grèce	Hindi
		Hongrie	Inde +	Hongrois
		Sikkim	Indonésie	Hébreu
		Ireland	Islande	Indonésien
		Israël	Italie	Islandais
		Japon	Kazakhstan	Italien
		Lettonie	Lithuania	Japonais
		Macedonia	Malaisie	Kazakh
		Mexique	N. Zélande	Letton
		Norvège	Pays-Bas	Lituanien
		Philippines		Norvégien
		Pologne	Portugal	Néerlandais
		Roumanie	Russian	Polonais
		Federation	Rép.	Portugais
		tchèque	Saudi	Roumain
		Arabia	Serbia	Russe
		Singapour		Serbe
		Slovaquie	Slovénie	Slovaque
		Suisse	Suède	Slovène
		Taiwan, Chine		Suédois
		Thailand	Tunisie	Tchèque
		Turquie	Ukraine	Thaï
		USA	Viêt Nam	Turc
		Vénézuéla		Ukrainien
				Vietnamien

Type de
document
Catalogue
technique
Warranty
Matériel
promotionnel
Guide
d'installation
EAC Declaration
Brochure
Article UA
Declaration
Manuel
d'utilisation
Electrical Safety
Certificate

Fiche

Grec

Titre

**Guide
d'installation**

France

Français

**Matériel
promotionnel**

France

Français

**Instructions SC Twin
Compressors**

AN00008643707201-000101
183 KB

Refrigerant Circuit

AV00008642183800-000402
463 KB

Compresseur Danfoss SC18G - R134a

Cylindrée = 17.69 CM3

APPLICATIONS = HP; BP; MP

Moteur = CSIR

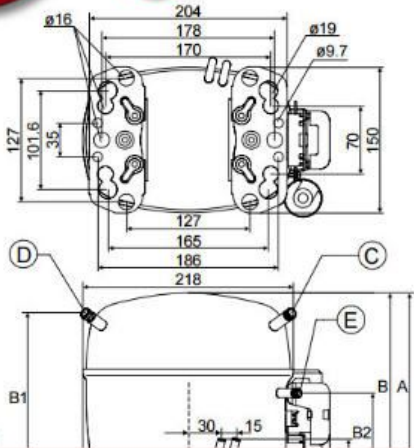
220-240V 50/60Hz



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

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

Dimensions 104G8830 104G8820 104G8822



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



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Visuels

Mbsm_dot_pro_private_PDF_SC18GTélécharger



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

Category: compressor

written by www.mbsm.pro | 15 December 2021

Product Description

Donper Refrigeration Compressr r134A

– Famous and Popular Compressors

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

R600a Series

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

R600a	LBP	LU68PY L	1/5 S	BLDC	220/50 160	122 1.65 1.3
Model no	L140CY1	Refrigerant	R600a			
Cooling capacity	230W	Input power	170W			
Hose Power	1/3- HP	Temperature application	LBP			
Displacement	14cm ³	Working Current	1.3A			
Voltage	220V~240V/50Hz	COP	1.35W/W			
Motor type	RSIR	Cylinder capacity	14cm ³			
Cooling type	Need a fan motor	Weight	8.6±0.4kg			



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 ³



Model no	L140CY1	Refrigerant	R600a
Cooling capacity	230W	Input power	170W
Horse Power	1/3- HP	Temperature application	LBP
Displacement	14cm ³	Working Current	1.3A
Voltage	220V~240V/50Hz	COP	1.35W/W
Motor type	RSIR	Cylinder capacity	14cm ³
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"

Category: compressor

written by www.mbsm.pro | 15 December 2021

Product details

Gross weight 41.58 kg

Net weight 39.1 kg

EAN 5702428839525

Approval standard	CE UL
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
Colour	Blue
Compressor power supply [V/Ph/Hz]	400/3/50 460/3/60
Configuration code	Single
Connection type	Rotolock
Cylinder	2
Description	MT080-4
Diameter [mm]	288 mm
Discharge connection height [mm]	74 mm
Discharge connection mounting torque [Nm]	90 Nm
Discharge connection pipe size [in]	3/4 in
Discharge connection rotolock size [in]	1 1/4 in
Discharge connection size [in]	1 1/4 in
Discharge connection sleeve pipe size [in]	3/4 in
Drawing number	8502012g
Economizer	No
Factory HP [bar]	25 bar
Factory LP [bar]	25 bar
Fitting remark	(shipped with rotolock version only)
Fitting sleeve	ODF
Fitting standard	Rotolock
Frequency [Hz]	50/60
Gauge port HP	None
Gauge port LP	Schrader
Generation code	B
Glass mounting	Threaded
Glass torque [Nm]	50 Nm
GP LP torque [Nm]	15 Nm
High side max pressure (Ps)	27.8 bar
High Side TS Max	150 °C
High Side TS Min	-35 °C
High Side Volume	0.6 L
High value of nominal voltage at 50Hz [V]	400 V
High value of nominal voltage at 60Hz [V]	460 V
High value of voltage range at 50Hz [V]	460 V
High value of voltage range at 60Hz [V]	506 V
IP protection class	IP55 (with cable gland)
Low side max pressure (Ps)	18.4 bar
Low Side TS Max	50 °C

Low Side TS Min	-35 °C
Low Side Volume	16.5 L
Low value of nominal voltage at 50Hz [V]	380 V
Low value of nominal voltage at 60Hz [V]	460 V
Low value of voltage range at 50Hz [V]	340 V
Low value of voltage range at 60Hz [V]	414 V
LRA	80 A
MCC	18 A
Model number	MT80HP4AVE
Motor protection	Internal overload protector
Mounting torque [Nm]	15 Nm
Nominal cooling capacity 60 kBTU/h	80.2 kBTu/h
Nominal cooling capacity at 50Hz	17.8 kW
Nominal cooling capacity at 60Hz	23.5 kW
Number of starts per hour [Max]	12
Oil charge [L]	1.8 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 Nm
Oil reference	160P
Packaging height [mm]	455 mm
Packaging length [mm]	395 mm
Packaging weight [Kg]	44 kg
Packaging width [mm]	365 mm
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Spade
Refrigerant	R22
Refrigerant charge [kg] [Max]	5 kg
Relief valve	30 bar/8 bar
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
Segment usage	Air conditioning Refrigeration MT
Shipped fittings	Suction and discharge solder sleeves, rotolock nuts and gaskets
Shipped instructions	Installation instructions
Shipped mounting	Mounting kit with grommets, bolts, nuts, sleeves and washers
Shipped oil	Initial oil charge
Suction connection height [mm]	265 mm
Suction connection mounting torque [Nm]	110 Nm
Suction connection pipe size [in]	1 1/8 in
Suction connection rotolock size [in]	1 3/4 in
Suction connection size [in]	1 3/4 in

Suction connection sleeve pipe size [in]	1 1/8 in
Swept volume [cm ³]	135.78 cm ³
Technology	Reciprocating
Test dif [bar] [Max]	30 bar
Test HP [bar] [Max]	30 bar
Test LP [bar] [Max]	25 bar
Torque earth [Nm]	3 Nm
Torque power [Nm]	3 Nm
Total height [mm]	413 mm
Type	MT
Type designation	Compressor
Viscosity [cP]	32 cP
Winding resistance for three-phase compressors with identical windings [Ohm]	1.94 Ohm

Description

Product details

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

Approval standard	CE UL
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
Colour	Blue
Compressor power supply [V/Ph/Hz]	400/3/50 460/3/60
Configuration code	Single
Connection type	Rotolock
Cylinder	2
Description	MT080-4
Diameter [mm]	288 mm
Discharge connection height [mm]	74 mm
Discharge connection mounting torque [Nm]	90 N-m
Discharge connection pipe size [in]	3/4 in
Discharge connection rotolock size [in]	1 1/4 in
Discharge connection size [in]	1 1/4 in
Discharge connection sleeve pipe size [in]	3/4 in
Drawing number	8502012g
Economizer	No

Factory HP [bar]	25 bar
Factory LP [bar]	25 bar
Fitting remark	(shipped with rotolock version only)
Fitting sleeve	ODF
Fitting standard	Rotolock
Frequency [Hz]	50/60
Gauge port HP	None
Gauge port LP	Schrader
Generation code	B
Glass mounting	Threaded
Glass torque [Nm]	50 N-m
GP LP torque [Nm]	15 N-m
High side max pressure (Ps)	27.8 bar
High Side TS Max	150 Â°C
High Side TS Min	-35 Â°C
High Side Volume	0.6 L
High value of nominal voltage at 50Hz [V]	400 V
High value of nominal voltage at 60Hz [V]	460 V
High value of voltage range at 50Hz [V]	460 V
High value of voltage range at 60Hz [V]	506 V
IP protection class	IP55 (with cable gland)
Low side max pressure (Ps)	18.4 bar
Low Side TS Max	50 Â°C
Low Side TS Min	-35 Â°C
Low Side Volume	16.5 L
Low value of nominal voltage at 50Hz [V]	380 V
Low value of nominal voltage at 60Hz [V]	460 V
Low value of voltage range at 50Hz [V]	340 V
Low value of voltage range at 60Hz [V]	414 V
LRA	80 A
MCC	18.5 A
Model number	MT80HP4AVE
Motor protection	Internal overload protector
Mounting torque [Nm]	15 N-m
Nominal cooling capacity 60 kBTU/h	80.2 kBTu/h
Nominal cooling capacity at 50Hz	17.8 kW
Nominal cooling capacity at 60Hz	23.5 kW
Number of starts per hour [Max]	12
Oil charge [L]	1.8 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 N-m
Oil reference	160P
Packaging height [mm]	455 mm
Packaging length [mm]	395 mm
Packaging weight [Kg]	44 kg
Packaging width [mm]	365 mm

Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Spade
Refrigerant	R22
Refrigerant charge [kg] [Max]	5 kg
Relief valve	30 bar/8 bar
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
Segment usage	Air conditioning Refrigeration MT
Shipped fittings	Suction and discharge solder sleeves, rotolock nuts and gaskets
Shipped instructions	Installation instructions Mounting kit with grommets, bolts, nuts, sleeves and washers
Shipped mounting	Initial oil charge
Shipped oil	265 mm
Suction connection height [mm]	110 N-m
Suction connection mounting torque [Nm]	1 1/8 in
Suction connection pipe size [in]	1 3/4 in
Suction connection rotolock size [in]	1 3/4 in
Suction connection size [in]	1 1/8 in
Suction connection sleeve pipe size [in]	135.78 cm ³
Swept volume [cm ³]	Reciprocating
Technology	30 bar
Test dif [bar] [Max]	30 bar
Test HP [bar] [Max]	25 bar
Test LP [bar] [Max]	3 N-m
Torque earth [Nm]	3 N-m
Torque power [Nm]	413 mm
Total height [mm]	MT
Type	Compressor
Type designation	32 cP
Viscosity [cP]	1.94 Ohm
Winding resistance for three-phase compressors with identical windings [Ohm]	CE UL
Approval standard	Reciprocating compressor
Brand technique	Fixed speed
Capacity control	Blue
Colour	400/3/50 460/3/60
Compressor power supply [V/Ph/Hz]	Single
Configuration code	Rotolock
Connection type	2
Cylinder	

Description	MT080-4
Diameter [mm]	288 mm
Discharge connection height [mm]	74 mm
Discharge connection mounting torque [Nm]	90 N-m
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Discharge connection rotolock size [in]	1 1/4 in
Discharge connection size [in]	1 1/4 in
Discharge connection sleeve pipe size [in]	3/4 in
Drawing number	8502012g
Economizer	No
Factory HP [bar]	25 bar
Factory LP [bar]	25 bar
Fitting remark	(shipped with rotolock version only)
Fitting sleeve	ODF
Fitting standard	Rotolock
Frequency [Hz]	50/60
Gauge port HP	None
Gauge port LP	Schrader
Generation code	B
Glass mounting	Threaded
Glass torque [Nm]	50 N-m
GP LP torque [Nm]	15 N-m
High side max pressure (Ps)	27.8 bar
High Side TS Max	150 Â°C
High Side TS Min	-35 Â°C
High Side Volume	0.6 L
High value of nominal voltage at 50Hz [V]	400 V
High value of nominal voltage at 60Hz [V]	460 V
High value of voltage range at 50Hz [V]	460 V
High value of voltage range at 60Hz [V]	506 V
IP protection class	IP55 (with cable gland)
Low side max pressure (Ps)	18.4 bar
Low Side TS Max	50 Â°C
Low Side TS Min	-35 Â°C
Low Side Volume	16.5 L
Low value of nominal voltage at 50Hz [V]	380 V
Low value of nominal voltage at 60Hz [V]	460 V
Low value of voltage range at 50Hz [V]	340 V
Low value of voltage range at 60Hz [V]	414 V
LRA	80 A
MCC	18.5 A
Model number	MT80HP4AVE
Motor protection	Internal overload protector
Mounting torque [Nm]	15 N-m
Nominal cooling capacity 60 kBTU/h	80.2 kBTu/h

Nominal cooling capacity at 50Hz	17.8 kW
Nominal cooling capacity at 60Hz	23.5 kW
Number of starts per hour [Max]	12
Oil charge [L]	1.8 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 N-m
Oil reference	160P
Packaging height [mm]	455 mm
Packaging length [mm]	395 mm
Packaging weight [Kg]	44 kg
Packaging width [mm]	365 mm
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Spade
Refrigerant	R22
Refrigerant charge [kg] [Max]	5 kg
Relief valve	30 bar/8 bar
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
Segment usage	Air conditioning Refrigeration MT
Shipped fittings	Suction and discharge solder sleeves, rotolock nuts and gaskets
Shipped instructions	Installation instructions
Shipped mounting	Mounting kit with grommets, bolts, nuts, sleeves and washers
Shipped oil	Initial oil charge
Suction connection height [mm]	265 mm
Suction connection mounting torque [Nm]	110 N-m
Suction connection pipe size [in]	1 1/8 in
Suction connection rotolock size [in]	1 3/4 in
Suction connection size [in]	1 3/4 in
Suction connection sleeve pipe size [in]	1 1/8 in
Swept volume [cm3]	135.78 cm3
Technology	Reciprocating
Test dif [bar] [Max]	30 bar
Test HP [bar] [Max]	30 bar
Test LP [bar] [Max]	25 bar
Torque earth [Nm]	3 N-m
Torque power [Nm]	3 N-m
Total height [mm]	413 mm
Type	MT
Type designation	Compressor
Viscosity [cP]	32 cP

Winding resistance for three-phase compressors
with identical windings [0hm]

1.94 0hm

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

Product details

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

Approval standard	CE UL
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
Colour	Blue
Compressor power supply [V/Ph/Hz]	400/3/50 460/3/60
Configuration code	Single
Connection type	Rotolock
Cylinder	2
Description	MT080-4
Diameter [mm]	288 mm
Discharge connection height [mm]	74 mm
Discharge connection mounting torque [Nm]	90 N-m
Discharge connection pipe size [in]	3/4 in
Discharge connection rotolock size [in]	1 1/4 in
Discharge connection size [in]	1 1/4 in
Discharge connection sleeve pipe size [in]	3/4 in
Drawing number	8502012g
Economizer	No
Factory HP [bar]	25 bar
Factory LP [bar]	25 bar
Fitting remark	(shipped with rotolock version only)
Fitting sleeve	ODF
Fitting standard	Rotolock
Frequency [Hz]	50/60
Gauge port HP	None
Gauge port LP	Schrader
Generation code	B
Glass mounting	Threaded
Glass torque [Nm]	50 N-m

GP LP torque [Nm]	15 N-m
High side max pressure (Ps)	27.8 bar
High Side TS Max	150 Â°C
High Side TS Min	-35 Â°C
High Side Volume	0.6 L
High value of nominal voltage at 50Hz [V]	400 V
High value of nominal voltage at 60Hz [V]	460 V
High value of voltage range at 50Hz [V]	460 V
High value of voltage range at 60Hz [V]	506 V
IP protection class	IP55 (with cable gland)
Low side max pressure (Ps)	18.4 bar
Low Side TS Max	50 Â°C
Low Side TS Min	-35 Â°C
Low Side Volume	16.5 L
Low value of nominal voltage at 50Hz [V]	380 V
Low value of nominal voltage at 60Hz [V]	460 V
Low value of voltage range at 50Hz [V]	340 V
Low value of voltage range at 60Hz [V]	414 V
LRA	80 A
MCC	18.5 A
Model number	MT80HP4AVE
Motor protection	Internal overload protector
Mounting torque [Nm]	15 N-m
Nominal cooling capacity 60 kBTU/h	80.2 kBtu/h
Nominal cooling capacity at 50Hz	17.8 kW
Nominal cooling capacity at 60Hz	23.5 kW
Number of starts per hour [Max]	12
Oil charge [L]	1.8 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 N-m
Oil reference	160P
Packaging height [mm]	455 mm
Packaging length [mm]	395 mm
Packaging weight [Kg]	44 kg
Packaging width [mm]	365 mm
Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Spade
Refrigerant	R22
Refrigerant charge [kg] [Max]	5 kg
Relief valve	30 bar/8 bar
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
Segment usage	Air conditioning Refrigeration MT

Shipped fittings	Suction and discharge solder sleeves, rotolock nuts and gaskets
Shipped instructions	Installation instructions
Shipped mounting	Mounting kit with grommets, bolts, nuts, sleeves and washers
Shipped oil	Initial oil charge
Suction connection height [mm]	265 mm
Suction connection mounting torque [Nm]	110 N-m
Suction connection pipe size [in]	1 1/8 in
Suction connection rotolock size [in]	1 3/4 in
Suction connection size [in]	1 3/4 in
Suction connection sleeve pipe size [in]	1 1/8 in
Swept volume [cm ³]	135.78 cm ³
Technology	Reciprocating
Test dif [bar] [Max]	30 bar
Test HP [bar] [Max]	30 bar
Test LP [bar] [Max]	25 bar
Torque earth [Nm]	3 N-m
Torque power [Nm]	3 N-m
Total height [mm]	413 mm
Type	MT
Type designation	Compressor
Viscosity [cP]	32 cP
Winding resistance for three-phase compressors with identical windings [Ω]	1.94 Ω
Approval standard	CE UL
Brand technique	Reciprocating compressor
Capacity control	Fixed speed
Colour	Blue
Compressor power supply [V/Ph/Hz]	400/3/50 460/3/60
Configuration code	Single
Connection type	Rotolock
Cylinder	2
Description	MT080-4
Diameter [mm]	288 mm
Discharge connection height [mm]	74 mm
Discharge connection mounting torque [Nm]	90 N-m
Discharge connection pipe size [in]	3/4 in
Discharge connection rotolock size [in]	1 1/4 in
Discharge connection size [in]	1 1/4 in
Discharge connection sleeve pipe size [in]	3/4 in
Drawing number	8502012g
Economizer	No
Factory HP [bar]	25 bar

Factory LP [bar]	25 bar
Fitting remark	(shipped with rotolock version only)
Fitting sleeve	ODF
Fitting standard	Rotolock
Frequency [Hz]	50/60
Gauge port HP	None
Gauge port LP	Schrader
Generation code	B
Glass mounting	Threaded
Glass torque [Nm]	50 N-m
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Low value of voltage range at 50Hz [V]	340 V
Low value of voltage range at 60Hz [V]	414 V
LRA	80 A
MCC	18.5 A
Model number	MT80HP4AVE
Motor protection	Internal overload protector
Mounting torque [Nm]	15 N-m
Nominal cooling capacity 60 kBTU/h	80.2 kBTu/h
Nominal cooling capacity at 50Hz	17.8 kW
Nominal cooling capacity at 60Hz	23.5 kW
Number of starts per hour [Max]	12
Oil charge [L]	1.8 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 N-m
Oil reference	160P
Packaging height [mm]	455 mm
Packaging length [mm]	395 mm
Packaging weight [Kg]	44 kg
Packaging width [mm]	365 mm

Packing format	Single pack
Packing quantity	1
Phase	3
Power connections	Spade
Refrigerant	R22
Refrigerant charge [kg] [Max]	5 kg
Relief valve	30 bar/8 bar
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
Segment usage	Air conditioning Refrigeration MT
Shipped fittings	Suction and discharge solder sleeves, rotolock nuts and gaskets
Shipped instructions	Installation instructions Mounting kit with grommets, bolts, nuts, sleeves and washers
Shipped mounting	
Shipped oil	Initial oil charge
Suction connection height [mm]	265 mm
Suction connection mounting torque [Nm]	110 N-m
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Swept volume [cm ³]	135.78 cm ³
Technology	Reciprocating
Test dif [bar] [Max]	30 bar
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Torque earth [Nm]	3 N-m
Torque power [Nm]	3 N-m
Total height [mm]	413 mm
Type	MT
Type designation	Compressor
Viscosity [cP]	32 cP
Winding resistance for three-phase compressors with identical windings [Ohm]	1.94 Ohm







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Compresseur à piston Danfoss Maneurop MT22JC5PVE (2.0HP / 1PH) Compresseur à piston Danfoss Maneurop MT22JC4AVE (2.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT28JC5PVE (2.3HP / 1PH) Compresseur à piston Danfoss Maneurop MT22JC4AVE (2.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT28JC5PVE (2.3HP / 1PH) Compresseur à piston Danfoss Maneurop 3PH (2.3HP / 1PH) 2.6HP / 1PH) Compresseur à piston Danfoss Maneurop MT32JF4DVE (2.6HP / 3PH); Compresseur à piston Danfoss Maneurop MT36JG5CVE (3.0HP / 1PH) Compresseur à piston Danfoss Maneurop MT36JG4FVE (3.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT40JH4EVE (3.3HP / 3PH) Danfoss Maneurop Compresseur à piston MT36JG4FVE (3.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT40JH4EVE (3.3HP / 3PH) Danfoss Maneurop Compresseur à piston MT36JG4FVE (3.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT40JH4EVE (3.3HP / 3PH) Compresseur à piston Danfoss Maneurop 3KFHB4 (3.6PH) 4.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT56HL4BVE (4. 6HP / 3PH) Compresseur à piston Danfoss Maneurop MT64HM4DVE (5.3HP / 3PH) Compresseur à piston Danfoss Maneurop MT72HN4AVE (6.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT80HP4AVE (6.6HP / 3PH) Compresseur à piston Danfoss Maneurop MT72HN4AVE (6.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT80HP4AVE (6.6HP / 3PH) Compresseur à piston Danfoss Maneurop 4.0 Compresseur à piston MT144HV4AVE (12,0HP / 3PH) Compresseur à piston Danfoss Maneurop MT160HW4EVE (13.3HP / 3PH) Compresseur à piston Danfoss Maneurop MT22JC5VE (2.0HP / 1PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MT22JC4AVE

(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.