

Mbsm.pro, PDF, Compressor, Hitachi,  
Fl 0739 (90 Watts), Fl 0847 (105  
Watts), Fl 1152 (125 Watts), Fl 1257  
(150 Watts), Fl 1462 (165 Watts), Fl  
1675 (185 Watts), Fl 1888 (210  
Watts), Fl 2088 (250 Watts)

Category: Files

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Compressor, Hitachi, R134a, (série R012), FL1462-SA, HITACHI Brand , (Made in Thailand), 1/5 Hp, 160w, Fl 0739 (90 Watts), Fl 0847 (105 Watts), Fl 1152 (125 Watts), Fl 1257 (150 Watts), Fl 1462 165 Watts), Fl 1675 (185 Watts), Fl 1888 (210 Watts), Fl 2088 (250 Watts)

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HITACHI Brand (Thailand)

Model

FL 0739 (90 Watts)

FL 0847 (105 Watts)

FL 1152 (125 Watts)

FL 1257 (150 Watts)

FL 1462 (165 Watts)  
 FL 1675 (185 Watts)  
 FL 1888 (210 Watts)  
 FL 2088 (250 Watts)

Code No.	Model	HP	Capacity (W)	Current (A)	Efficiency COP (w/w)	Voltage / Frequency
<b>R134a Models</b>						
R012001	FL 06S34-TAB	1/12	85	0.70	0.93	220V – 240V / 50Hz
R012002	FL 0739-SQ	1/10	114	0.72	1.20	
R012003	FL 0847-SD	1/8	130	0.83	1.19	
R012005	FL 1152-SB	1/6	143	0.82	1.27	
R012006	FL 1257-SR	1/5	160	0.90	1.25	
R012007	FL 14S62-TAD	1/5	175	0.95	1.30	
R012008	FL 1568-SQ	1/4	200	1.11	1.30	
R012009	FL 20S88-TAC	1/3	255	1.50	1.25	
R012010	FL1888-SE	1/3	245	1.51	1.25	
<b>R600a Models</b>						
	CL 0545-SZ	1/12	62	0.70	1.12	220V – 240V / 50Hz
	CL 1297-SA	1/5	156	0.90	1.46	
	CL 1310-SA	1/5+	163	0.95	1.48	
<b>R600a Models (Inverter)</b>						
	CL 1588-DZ	1/6	134	0.83	1.62	220V – 240V / 50Hz
	CL 1610-DL	1/5	160	0.90	1.65	





**WWW.MBSM.PRO**

**F L 14 62 - S B**

**Series name/Refrigerant**

F = R134a  
R = R404A  
C = R600a

**Application category:**

L = Low back pressure  
H = High back pressure

**Nominal power (Out put)**

Sign	Output(W)	Sign	Output(W)
04	45	15	150
05	55	16	160
06	65	17	170
07	75	18	180
08	85	20	200
10	100	25	250
11	110	35	350
12	125	40	400
14	140	45	450

**Development**

A - Z = With oil charge  
1 - 9 = With out oil charge

**Nominal voltages / Power source**

Sign	Phase/voltage/frequency	Sign	Phase/voltage/frequency
H	1Ø 100 V 50/60 Hz	S	1Ø 220 ~ 240 V 50 Hz
P	1Ø 110 V 120 V 60 Hz	D	1Ø 100 V 50/60 Hz
U	1Ø 127 V 60 Hz	T	3Ø 200 V 50/60 Hz
R	1Ø 200 ~ 220 V 60 Hz		

**Displacement**

Sign	Displacement(Cm <sup>3</sup> )	Sign	Displacement(Cm <sup>3</sup> )
24	2.4	62	6.2
28	2.8	68	6.8
34	3.4	75	7.5
39	3.9	88	8.8
45	4.5	97	9.7
52	5.2	11	11.0
57	5.7		

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Mbsm.pro, PDF, GL80AF , ZEM, EGL80AF, Compressors , GD40AF 1/9 , GL45AF 1/8 , GL60AF, GL70AF , GL70ANa 1/5 ,GL70AND, GL80AF 1/5

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GD36AD	3.62	1/12	LBP	S	115V 60Hz ~1	RSIR	P	C	30	47	68	0.65	150	80	0.85	6.1	Dj
GD36AFa	3.62	1/12	LBP	S	200-220/230V 50/60Hz ~1	RSIR	P	C	30	47	68	0.65	150	80	0.86	5.9	Dj
GD36AFb	3.62	1/12	LBP	S	200-220/230V 50/60Hz ~1	CSIR	R	C-V	30	47	68	0.65	150	80	0.86	5.9	Ds
GD40AF	4.06	1/10	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	36	54	77	0.70	172	91	0.91	6.8	Dd
GLY40ADa	4.02	1/9	LBP	S	115V 60Hz ~1	RSIR	P	C	46	65	91	0.97	208	107	1.26	9.0	Lb
GLY40ADb	4.02	1/9	LBP	S	115V 60Hz ~1	RSCR	P	C	46	65	91	1.02	208	107	1.32	9.0	Lb
GL45ADa	4.56	1/8	LBP	S	115V 60Hz ~1	RSIR	P	C	41	65	95	0.80	215	112	1.05	8.1	Lb
GL45ADb	4.56	1/8	LBP	S	115V 60Hz ~1	CSIR	R	C-V	41	65	95	0.80	215	112	1.05	8.1	Lb
GL45AF	4.56	1/8	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	42	65	94	0.76	215	111	0.99	9.0	Lb
GL45ANa	4.56	1/8	LBP	S	200-240/220-230V 50/60Hz ~1	RSIR	P	C	44	65	93	0.83	213	110	1.09	9.0	Lb
GLY50ADa	5.12	1/7	LBP	S	115V 60Hz ~1	RSIR	P	C	56	83	117	1.02	259	138	1.33	9.5	Lc
GLY50ADb	5.12	1/7	LBP	S	115V 60Hz ~1	RSCR	P	C	56	83	117	1.06	259	138	1.38	9.5	Lc
GL60ADa	5.46	1/6	LBP	S	115V 60Hz ~1	RSIR	P	C	65	95	132	0.85	290	155	1.10	9.1	Lb
GL60ADb	5.46	1/6	LBP	S	115V 60Hz ~1	CSIR	R	C-V	65	95	132	0.85	290	155	1.10	9.1	Lb
GL60AF	5.46	1/6	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	66	95	131	0.81	287	154	1.05	9.1	Lb
GL60ANa	5.46	1/6	LBP	S	200-240/220-230V 50/60Hz ~1	RSIR	P	C	68	95	131	0.88	285	153	1.15	9.9	Lc
GL60ANb	5.46	1/6	LBP	F	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	68	95	131	0.88	285	153	1.15	9.9	Lc
GL60ANc	5.46	1/6	LBP	S	200-240/220-230V 50/60Hz ~1	CSIR	R	C-V	68	95	131	0.88	285	153	1.15	9.9	Lc
GL60ANd	5.46	1/6	LBP	OC	200-240/220-230V 50/60Hz ~1	RSIR	P	C	68	95	131	0.88	285	153	1.15	10.0	Lc
GL60BK	5.46	1/6	LBP	OC	115V 60Hz ~1	RSCR	P	C	66	95	132	0.84	290	155	1.10	10.0	Lc
GL70ADa	5.98	1/5	LBP	S	115V 60Hz ~1	RSIR	P	C	79	109	148	0.86	322	173	1.12	9.6	Lc
GL70ADb	5.98	1/5	LBP	S	115V 60Hz ~1	CSIR	R	C-V	79	109	148	0.86	322	173	1.12	9.6	Lb
GL70ANa	5.98	1/5	LBP	S	200-220/220-230V 50/60Hz ~1	RSIR	P	C	81	111	150	0.90	323	175	1.17	10.1	Lc
GL70ANb	5.98	1/5	LBP	F	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	81	111	150	0.90	323	175	1.17	10.1	Lc
GL70ANc	5.98	1/5	LBP	S	200-220/220-230V 50/60Hz ~1	CSIR	R	C-V	81	111	150	0.90	323	175	1.17	10.1	Lc
GL70ANd	5.98	1/5	LBP	OC	200-220/220-230V 50/60Hz ~1	RSIR	P	C	80	110	150	0.90	323	175	1.17	10.4	Ld

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# Mbsm.pro, PDF, QB77C16GPX5 , Compressors, 1/4 hp , Q Series, Panasonic

Category: Files

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**Panasonic**



**QB77C16GPX5**

220V~50Hz  
Thermally Protected  
Panasonic Corporation  
Made in Malaysia

**W**



Refrigerant : R134a (CF<sub>3</sub>CH<sub>2</sub>F)

Evaporator Temperature Range : -35°C to -5°C

Series	Model	Displacement (cm <sup>3</sup> )	Voltage / Frequency	Motor Type	ASHRAE		CECOMAF	
					Capacity	COP	Capacity	COP
					W	W/W	W	W/W
	QB77C16GAX5	7.7	220V 50Hz	RSIR	202	1.26	-	-
				RSCR	-	-	-	-
	QB77C16GLX5	7.7	220V 50Hz	RSIR	202	1.24	-	-
				RSCR	-	-	-	-
	QB77C16GPX5	7.7	220V 50Hz	RSIR	202	1.24	-	-
				RSCR	-	-	-	-
	QB77C18GAX0	7.7	220V 50/60Hz	RSIR	202 / 224	1.25 / 1.31	-	-
				RSCR	-	-	-	-
	QB77C18GAX6	7.7	220V 60Hz	RSIR	224	1.22	-	-
				RSCR	-	-	-	-
	QB77C19GPX6	7.7	220V 60Hz	RSIR	224	1.22	-	-
				RSCR	-	-	-	-
	QB86C13GAW5	8.6	220/240V 50Hz	RSIR	222 / 222	1.27 / 1.25	-	-
				RSCR	-	-	-	-

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شركة الدلتا الصناعية - الماطة

صنع بمصر

THE DELTA INDUSTRIAL Co.  
MADE IN EGYPT

١٢ قدم

MODEL: KS 328 ZL SOFT : باراز : ثلاجة بفريرز ايدى  
220/50 : فولت / ذ : الحجم الصافى للثلاجة ٣٠٧ لتر  
1.4 : أمبير : الحجم الصافى للفريرز ٦٢ لتر  
145 : فريون : رمز الجوى S.T.  
224 : وات : رقم المواصفة E.S. 320 / 2005  
328 : لتر : سعة التجميد : كجم  
10 : سنة الضمان : درجة الحماية IPX1  
RIAL No. : رقم مسلسل

024348





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**Panasonic**



915573 8718

**QB77C16GPX5**

MP2586429

220V~50Hz  
Thermally Protected  
Panasonic Corporation  
Made in Malaysia

1PH

**W**



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# Compresseur hermétique Embraco EMX55CLC, LBP, R600a, 1 / 6Hp, RSCR, Volume balayé : 9,04 cm<sup>3</sup>

Category: compressor

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embraco **EMX55CLC**

THERMALLY PROTECTED		220 - 240 V~	50 Hz
		R600a	
AB. OIL 150 CC	1 PH	NO START WITHOUT START DEVICE	

MADE IN SLOVAKIA

701PA97

17/MAR/20

N20LCOAR

CAUTION  
RISK OF FIRE  
R 600a

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Marque: EMBRACO  
UPC: 3070381  
Référence constructeur: EMX55CLC  
Application: LBP

**Source de courant:** 220 / 240V 50Hz  
**Capacité de refroidissement:** 154 W  
**Puissance:** 1/6 HP  
**Déplacement:** 9,04 cm<sup>3</sup>  
**Réfrigérant:** R600a  
**Poids:** 7,85 kg  
**Type de moteur:** RSCR  
**Type:** Compresseur à piston hermétique  
Compresseur hermétique Embraco EMX55CLC – LBP – R600a 220-240/1/50 – RSCR Volume balayé : 9,04 cm<sup>3</sup>

## Caractéristiques techniques

- Marque : EMBRACO ASPERA
- Modèle : EMX55CLC
- CYLINDRÉE (CM<sup>3</sup>) 9,04
- FLUIDER-600a
- APPLICATIONLBP
- PLAGES D'APPLICATION -35/-10
- PUISSANCE (W) 130
- PUISSANCE FRIGORIFIQUE (TK+40°C) -10/306 -20/192 -30/112 -35/82
- TENSION (V) 240/1/50
- DÉMARRAGERSCR
- I.MAX (A) 0,55
- Ø ASPIRATION 6,1
- Ø REFOULEMENT 4,94

**Embraco** **EMX55CLC**

THERMALLY PROTECTED		220 - 240 V~	50 Hz
	R600a		
AB. OIL 150 CC	1 PH		

MADE IN SLOVAKIA NO START WITHOUT START DEVICE



701PA97 17/MAR20 N20LC0AR

**CAUTION** **R 600a**

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GMCC, 9000BTU, 12000BTU, 18000BTU,  
24000BTU, R22, Climatiseur  
Compresseur, rotatif T3,  
pH440G2CS-4KTS1 / pH440X3CS-4KTS1,  
2Hp, 26000BTU, Compresseur Toshiba, A  
/ C R22 220-240V / 50HZ / 1PH

Category: compressor

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**Description du compresseur GMCC** Les compresseurs de climatisation GMCC réduisent les coûts pendant toute la durée de vie du produit dans l'application.

Ils prennent en charge la conception de systèmes pour des performances à haut rendement et pour l'utilisation de réfrigérants alternatifs pour les applications HVAC commerciales, commerciales et industrielles légères telles que les unités de toit, les refroidisseurs, le refroidissement de processus, les unités emballées, etc.

GMCC Liste Modèle

	Dépl.	Capacité	Condensateur	Pouvoir en metre	Poids kg	Ensembles De paquets/Palette
HSM165V3UDZA	16.4(cm3/rev)	2845W 9710BTU	30/370µF-V	870W	12.3kg	80 ensembles/Palette

HSM215V3UDZA	21.4(cm3/rev)	3720W	12690BTU	40/370μF-V	1155W	12.7kg	60 ensembles/Palette
PH290M2C-4FT1	29.1(cm3/rev)	5100W	17400BTU	35/370μF-V	1645W	16.1kg	60 ensembles/Palette
PH310M2CS-4KUH	31(cm3/rev)	5510W	18800BTU	40/400μF-V	1710W	17.8kg	60 ensembles/Palette
PH340M2CS-4KU	34(cm3/rev)	5960W	20335BTU	50/400μF-V	1870W	17.8kg	60 ensembles/Palette
PH370G2CS-4KU1	37(cm3/rev)	6650W	22690BTU	50/400μF-V	2065W	18.6kg	48 ensembles/Palette
PH400G2CS-4KU1	39.8(cm3/rev)	7100W	24226BTU	50/400μF-V	2430W	20.2kg	48 ensembles/Palette
PH420G2CS-4KU1	42.3(cm3/rev)	7460W	25450BTU	50/400μF-V	2525W	20.2kg	48 ensembles/Palette
PH440X3CS-4KU1	43.5(cm3/rev)	7650W	26100BTU	50/400μF-V	2510W	22.2kg	48 ensembles/Palette
PH480X3CS-4MU1	47.9(cm3/rev)	8460W	28865BTU	55/400μF-V	2730W	25.2kg	48 ensembles/Palette

## Informations de base

Numéro de modèle: PH440X3CS-4MU1

## Information additionnelle

Lieu d'origine: Panyu, Guangzhou

## Description du produit

Compresseur Toshiba GMCC A / C R22 220-240V / 50HZ / 1PH

Données du

compresseur Compresseur: PH440X3CS-4MU1

Réfrigérant: R22

Type de compresseur : Compresseur à moteur hermétique

Type de pompe:

Huile rotative préchargée: FV50S 900cm<sup>3</sup> N.W

.: 22,2KG

Performance nominale

Alimentation: 220- 240V / 50HZ / 1PH

Capacité: 7650W

Entrée: 2510W

Conditions nominales

Température d'évaporation ARI : 7,2 ° C

Température de condensation: 54,4 ° C

Température du gaz de retour: 18,3 ° C

Temp du liquide: 46,1 ° C

Ambiante, air au-dessus: 35 ° C , 1m / s

Liste des accessoires standard

Couvre-

bornes Cache  
 -bornes Joint Écrou-Cache-borne  
 Écrou Joint  
 caoutchouc Grommet  
 ressort

MODÈLE	CAPACITÉ CONTRIBUTION		FLIC	EMBALLAGE	CONDENSATEUR NO	GW / PKG		
	W	BTU / H					W	W / W
PH180X1C-4DZDE3	3015	10287	1	012		2,9860	35µF / 370VAC	14,9976
PH225X2C-4FT	3870	13204	1	250		3.1060	35µF / 370VAC	15,8998
PH290M2C-4FT1	5100	17400	1	645		3.1060	35µF / 370VAC	16,11016
Compresseur rotatif GMCC	5470	18663	1	710		3.2060	40µF / 400VAC	17,81118
220-240V / 50HZ / 1Ph	6605	22535	2	070		3.1948	50µF / 400VAC	19,0962
PH370G2CS-4MU1	7015	23934	2	260		3.1048	50µF / 400VAC	20,21020
PH400G2CS-4KU1	7420	25316	2	390		3.1048	50µF / 400VAC	20,21020
PH440X3CS-4MU1	7650	26100	2	510		3,0548	50µF / 400VAC	22.21116
PH480X3CS-4MU1	8460	28864	2	730		3.1048	55µF / 400VAC	25,21260



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**PH440X3CS - 4KTS1**

220 - 240V ~, 50HZ

RoHS



002001472W

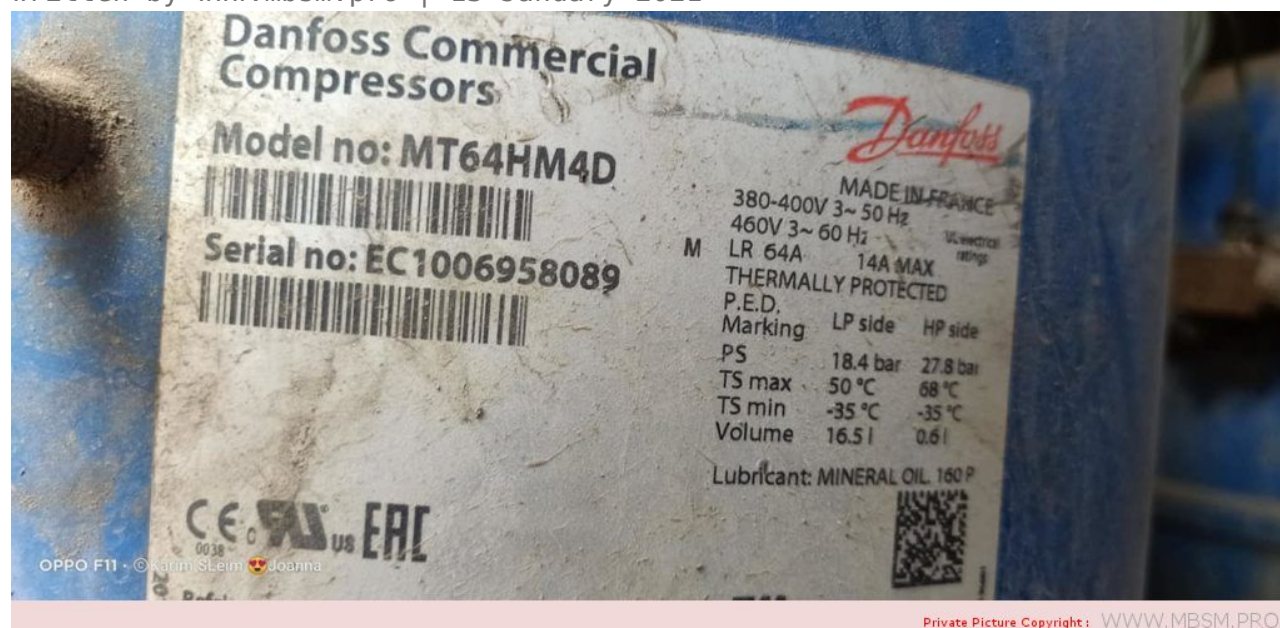
**TOSHIBA** (GMCC)



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

Category: compressor

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## MT64HM4DVE Compresseur Danfoss Meyo Paramètres détaillés:

Nombre nominal de chevaux: 5HP / hp

Puissance nominale: 3,9KW

Courant de démarrage à rotor bloqué: 67A

Courant de travail: 15A

Cylindrée: 107,71 cm<sup>3</sup> / tr

interface fileté d'aspiration: 1 "3/4

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

taille du tuyau d'aspiration: 7/8"

taille du tuyau d'échappement: 3/4 "

vitesse: 2900 tr / min

Poids net: 37 kg

Detailed Product Description

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

## **R22 Danfoss Maneurop Hermetic compressor MT64HM3DVE France Maneurop Piston Reciprocating compressor**

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

Danfoss Maneurop MT/MTZ series compressors are hermetic reciprocating type and designed for Medium and High evaporating temperature applications.  
Refrigerant R22, R407C, R134A, R404A  
380-400V/3~/50Hz and 460V/3~/60Hz  
Models: MT/MTZ018 MT/MTZ022 MT/MTZ028... MT/MTZ320

Danfoss Maneurop MPZ series compressors are hermetic reciprocating type and designed for Medium and High evaporating temperature applications.  
Refrigerant: R404A/R507A  
Models: MPZ2038/MPZ2048/MPZ2054/MPZ2061/MPZ2068

## **Danfoss Maneurop Commercial Hermetic Scroll Compressor MT64HM4DVE Specification:**

Maneurop MT/MTZ series compressors are of the hermetic reciprocating type and are designed for Medium and high evaporating temperature applications. There are 26 different models with displacement ranging from 30-543cm<sup>3</sup>/rev. Our Maneurop compressors are for 50Hz, motor code is 4, can be used for R22/R407C/R134a/R404A/R507

1. Piston /reciprocating type compressors.
2. Voltage is 50Hz
3. The refrigerant are R22/R407C/R134a/R404A/R507
4. There are MT/MTZ series
5. Original from France.
6. Capacity: 1.5HP~13HP, High efficiency, Low noise

1. MT series for R134a
  2. MTZ series for R407c/134a
1. 50 Hz
  2. Imported from France.
  3. R22 Rated condition: 50Hz/400V  
superheat: 11.1K  
subcooling 8.3K condensing temp: 54.4°C
  4. R407C Rated condition : 50Hz 400V  
superheat: 11.1K  
subcooling 8.3K condensing temp: 54.4°C  
evaporating temp. 7.2°C  
refrigeration and power input ±5%

We can supply more Danfoss compressor models as below:

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

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

Compresseur à piston Danfoss Maneurop MT22JC5PVE (2.0HP / 1PH) Compresseur à piston Danfoss Maneurop MT22JC4AVE (2.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT28JC5PVE (2.3HP / 1PH) Compresseur à piston Danfoss Maneurop MT22JC4AVE (2.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT28JC5PVE (2.3HP / 1PH) Compresseur à piston Danfoss Maneurop 3PH (2.3HP / 1PH) 2.6HP / 1PH) Compresseur à piston Danfoss Maneurop MT32JF4DVE (2.6HP / 3PH); Compresseur à piston Danfoss Maneurop MT36JG5CVE (3.0HP / 1PH) Compresseur à piston Danfoss Maneurop MT36JG4FVE (3.0HP / 3PH) Compresseur à piston Danfoss Maneurop

MT40JH4EVE (3.3HP / 3PH) Danfoss Maneurop Compresseur à piston MT36JG4FVE (3.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT40JH4EVE (3.3HP / 3PH) Danfoss Maneurop Compresseur à piston MT36JG4FVE (3.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT40JH4EVE (3.3HP / 3PH) Compresseur à piston Danfoss Maneurop 3KFHB4 (3.6PH) 4.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT56HL4BVE (4. 6HP / 3PH) Compresseur à piston Danfoss Maneurop MT64HM4DVE (5.3HP / 3PH) Compresseur à piston Danfoss Maneurop MT72HN4AVE (6.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT80HP4AVE (6.6HP / 3PH) Compresseur à piston Danfoss Maneurop MT72HN4AVE (6.0HP / 3PH) Compresseur à piston Danfoss Maneurop MT80HP4AVE (6.6HP / 3PH) Compresseur à piston Danfoss Maneurop 4.0 Compresseur à piston MT144HV4AVE (12,0HP / 3PH) Compresseur à piston Danfoss Maneurop MT160HW4EVE (13.3HP / 3PH) Compresseur à piston Danfoss Maneurop MTZ22JC5VE (2.0HP / 1PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ22JC4AVE (2.0HP / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ28JE5AVE (2,3 HP / 1PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ28JE4AVE (2,3 HP / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ32JF5AVE (2,6 CV / 1PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ32JF4BVE (2.6HP / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ36JG5AVE (3.0HP / 1PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ36JG4BVE (3.0HP / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ40JH4AVE (3,3 CV / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ50HK4CVE (4,0 CV / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ56HL4BVE (4,6 CV / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ64HM4CVE (5,3 HP / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ72HN4AVE (6,0 CV / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ80HP4AVE (6,6 CV / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ100HS4VE (8,3 CV / 3 PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ125HU4VE (10.0HP / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop MTZ144HV4AVE (12,0 HP / 3PH); [R134A, R404] Compresseur à piston Danfoss Maneurop NTZ048A4LR1A (2.0HP / 3PH); [R134A, R404, R507] Compresseur à piston Danfoss Maneurop NTZ068A4LR1A (3,5 CV / 3PH); [R134A, R404, R507] Compresseur à piston Danfoss Maneurop NTZ096A4LR1A (4,5 CV / 3PH); [R134A, R404, R507] Compresseur à piston Danfoss Maneurop NTZ108A4LR1A (5,0 CV / 3PH); [R134A, R404, R507] Compresseur à piston Danfoss Maneurop NTZ136A4LR1A (6,5 CV / 3PH); [R134A, R404, R507] Compresseur à piston Danfoss Maneurop NTZ215A4LR1A (10,0 HP / 3PH); [R134A, R404, R507] Compresseur à piston Danfoss Maneurop NTZ271A4LR1A (13.0HP / 3PH); [R134A, R404, R507] COMPRESSEUR MANEUROP 2.0HP MT22 MANEUROPE 2.0HP MT22 COMPRESSEUR MANEUROP COMPRESSEUR MTZ-22JE-4VE R404A MANEUROPE 2.30HP MT28JE-5PVE MT28-5VI / MT28-5VM COMPRESSEUR MANEUROP 2.30HP MT28JE-5PVE MT28-5VI / MT28-5VM COMPRESSEUR MANEUROPEUR 2.30H5 / R404A) COMPRESSEUR MANEUROP 2.8HP MTZ32-5VM (R134a / R404A / R507) COMPRESSEUR MANEUROP MT32JF5MVE 2-3 / 4HP ((R22) COMPRESSEUR MANEUROP 3.0HP MT36JG4FVE (MT36-4VI / MT36-4VM) (R22) COMPRESSEUR 3.0HP COMPRESSEUR MT36 MANEUROP 3.3HP MT40JH4EVE COMPRESSEUR MANEUROP 3.3HP MTZ40-JH4AVE COMPRESSEUR (R407A / C / F / R134A / R404A / R507) Compresseur MANEUROP MTZ-36-JG4AVE (R407C / R134a / R404A-R407C / R134a / R404A) -Compresseur JH4AVE (R134a / R404A) – Compresseur 3.3HP 3PH MANEUROP MTZ-44-HJ4AVE (R134a / R404A) – 3. 5HP 3PH MANEUROP 4HP MTZ-50HK-4CVE (MTZ50-4VI / MTZ50-4VM) COMPRESSEUR (R134A / R404A) MANEUROP MTZ56HL3BVE R407c, R134a, R507a, R404a compresseur MANEUROP MT-64-4VM COMPRESSEUR MANEUR 64-4VM COMPRESSEUR

MANEUR COMPRESSEUR MT72-4VM COMPRESSEUR MANEUROP MT-80-4VM (6.5HP) Compresseur MANEUROP 6.6HP MT81HP4AVE COMPRESSEUR MANEUROP MTZ80HM4DVE COMPRESSEUR MANEUROP 8.5HP MT100-4VM COMPRESSEUR MANEUROPE 10HP MT100-4VM (MT100HS4DVE) COMPRESSEUR 10HP MT100-4VM (MT100HS4DVE) COMPRESSEUR MT12M10 MANHOP 4-COMPRESSEUR 10HP R22) COMPRESSEUR MANEUROP 10HP MTZ125HW4AVE (R404A / R134A / R507 / R407C) COMPRESSEUR MANEUROPE 12HP MT144-4VM COMPRESSEUR MANEUROPE 13.3HP MT160-4VM (MT160HW4DVE) COMPRESSEUR MANZVMER 10 COMPRESSEUR MANZVM4 (MT160HW4DVE) / 2 ' ) SER. KIT POUR MT-28 MANEUROP 7703009 (1-1 / 8 ' & 3/4 ' ) SER.

## Product details

**Gross weight** 41.5 kg

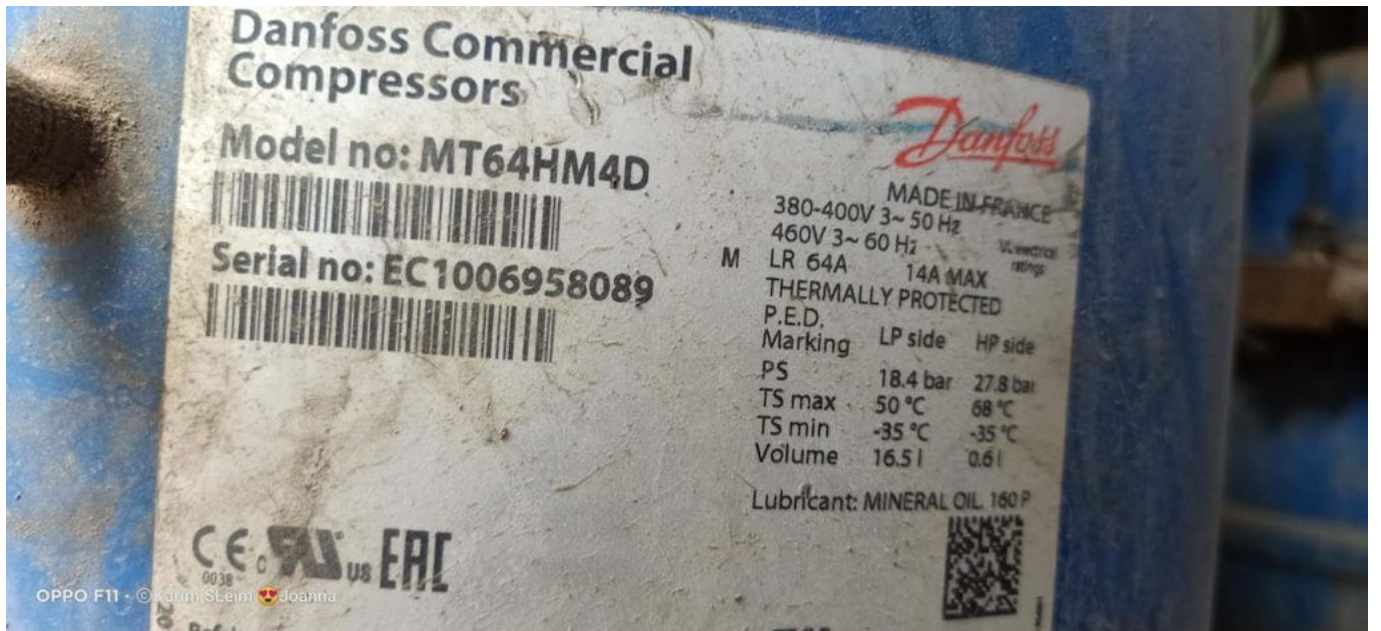
**Net weight** 39 kg

**EAN** 5702428661973

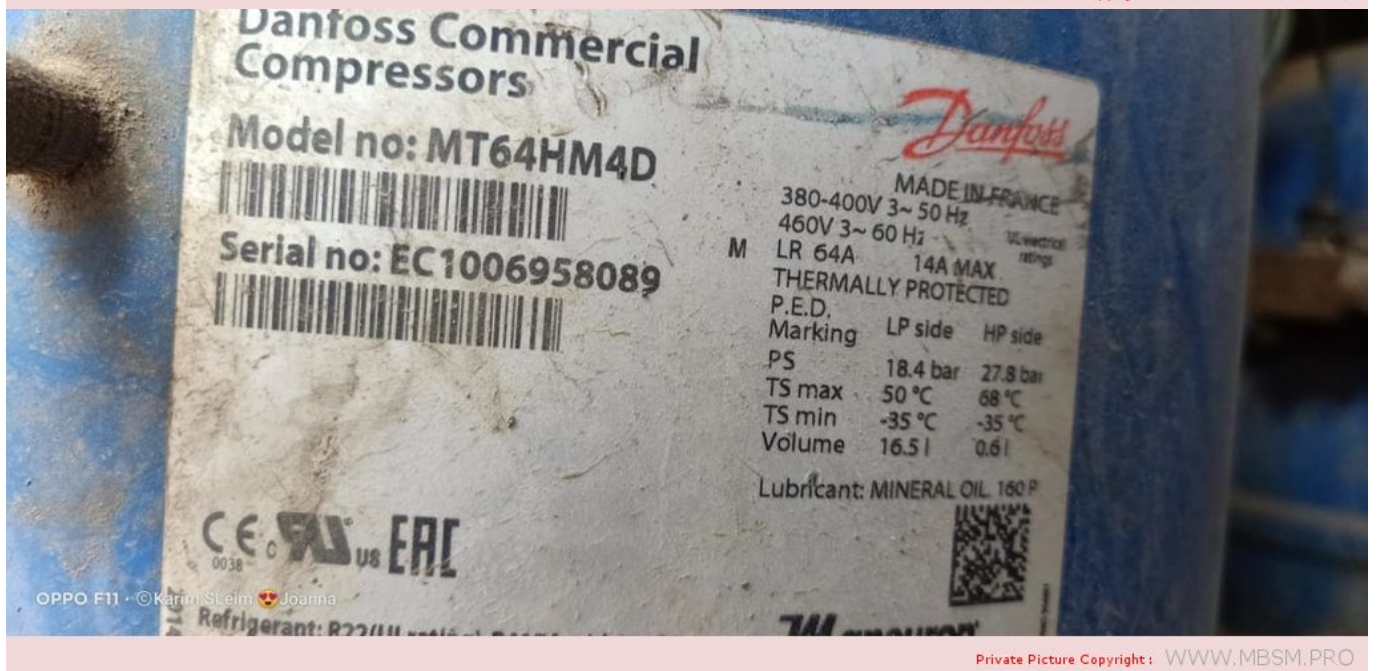
<b>Approval standard</b>	CCC CE UL
<b>Brand technique</b>	Reciprocating compressor
<b>Capacity control</b>	Fixed speed
<b>Colour</b>	Blue
<b>Compressor power supply [V/Ph/Hz]</b>	400/3/50 460/3/60
<b>Configuration code</b>	Single
<b>Connection type</b>	Rotolock
<b>Cylinder</b>	2
<b>Description</b>	MT064-4
<b>Diameter [mm]</b>	288 mm
<b>Discharge connection height [mm]</b>	74 mm
<b>Discharge connection mounting torque [Nm]</b>	90 Nm
<b>Discharge connection pipe size [in]</b>	3/4 in
<b>Discharge connection rotolock size [in]</b>	1 1/4 in
<b>Discharge connection size [in]</b>	1 1/4 in
<b>Discharge connection sleeve pipe size [in]</b>	3/4 in
<b>Drawing number</b>	8502012g
<b>Economizer</b>	No
<b>Factory HP [bar]</b>	25 bar
<b>Factory LP [bar]</b>	25 bar
<b>Fitting remark</b>	(shipped with rotolock version only)
<b>Fitting sleeve</b>	ODF
<b>Fitting standard</b>	Rotolock
<b>Frequency [Hz]</b>	50/60
<b>Gauge port HP</b>	None

Gauge port LP	Schrader
Generation code	E
Glass mounting	Threaded
Glass torque [Nm]	50 Nm
GP LP torque [Nm]	15 Nm
High side max pressure (Ps)	27.8 bar
High Side TS Max	150 °C
High Side TS Min	-35 °C
High Side Volume	0.6 L
High value of nominal voltage at 50Hz [V]	400 V
High value of nominal voltage at 60Hz [V]	460 V
High value of voltage range at 50Hz [V]	460 V
High value of voltage range at 60Hz [V]	506 V
IP protection class	IP55 (with cable gland)
Low side max pressure (Ps)	18.4 bar
Low Side TS Max	50 °C
Low Side TS Min	-35 °C
Low Side Volume	16.5 L
Low value of nominal voltage at 50Hz [V]	380 V
Low value of nominal voltage at 60Hz [V]	460 V
Low value of voltage range at 50Hz [V]	340 V
Low value of voltage range at 60Hz [V]	414 V
LRA	64 A
MCC	14 A
Model number	MT64HM4DVE
Motor protection	Internal overload protector
Mounting torque [Nm]	15 Nm
Nominal cooling capacity 60 kBTU/h	64.51 kBTU/h
Nominal cooling capacity at 50Hz	14.4 kW
Nominal cooling capacity at 60Hz	18.9 kW
Number of starts per hour [Max]	12
Oil charge [L]	1.8 L
Oil equalization	3/8" flare SAE
Oil equalization torque [Nm]	30 Nm
Oil reference	160P
Packaging height [mm]	550 mm
Packaging length [mm]	1150 mm
Packaging weight [Kg]	254 kg
Packaging width [mm]	800 mm
Packing format	Industrial pack
Packing quantity	6
Phase	3
Power connections	Spade
Refrigerant	R22
Refrigerant charge [kg] [Max]	5 kg
Relief valve	30 bar/8 bar

Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
Segment usage	Air conditioning Refrigeration MT
Shipped fittings	Suction and discharge solder sleeves, rotolock nuts and gaskets
Shipped instructions	Installation instructions
Shipped mounting	Mounting kit with grommets, bolts, nuts, sleeves and washers
Shipped oil	Initial oil charge
Suction connection height [mm]	265 mm
Suction connection mounting torque [Nm]	110 Nm
Suction connection pipe size [in]	7/8 in
Suction connection rotolock size [in]	1 3/4 in
Suction connection size [in]	1 3/4 in
Suction connection sleeve pipe size [in]	7/8 in
Swept volume [cm <sup>3</sup> ]	107.71 cm <sup>3</sup>
Technology	Reciprocating
Test dif [bar] [Max]	30 bar
Test HP [bar] [Max]	30 bar
Test LP [bar] [Max]	25 bar
Torque earth [Nm]	3 Nm
Torque power [Nm]	3 Nm
Total height [mm]	413 mm
Type	MT
Type designation	Compressor
Viscosity [cP]	32 cP
Winding resistance for three-phase compressors with identical windings [Ohm]	2.44 Ohm



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



**Danfoss Commercial Compressors**



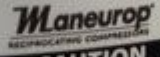
型号: MT64HM4DVE  
  
 序列号: EC1006983516  


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

润滑油: MINERAL OIL 160 P



R134a 制冷剂: R22 或 R417A 仅和 160PZ



**WARNING**

Installation and servicing shall be performed by trained personnel only. Failure to observe these safety warnings could result in personal injury or death.  
 1. Do not touch the compressor. Turn off power before servicing. Discharge of capacitors.  
 2. Do not touch the cover in place and securely fastened whenever power is applied to the compressor. Use this equipment on a grounded system only.  
 3. Do not touch the system contains refrigerant and oil under pressure. Remove pressure from both the high and low side before servicing. Wear safety goggles.  
 4. Do not touch the hot surface of the compressor.



**CAUTION**

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



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0937 217 184

MT64-4VM  
KE1008211296  
MT64HM4DVE

产品名称: 制冷压缩机  
Product: Compressor  
产地: 法国制造  
Plant: Made in France  
代理商: 丹佛斯自动控制管理(上海)有限公司  
Customer service: Danfoss Automatic Control Management (Shanghai) Co.Ltd  
地址电话: 上海市宝山顾900号科技大楼3楼30233 / (021) 61512000  
Address/te: 900 Yi Shan Road Shanghai 200233 / (021) 61512000  
警告: 只有具备一定技能和安全教育于  
熟练的维修人员才可以进行安装和维修。  
Warning: The installation and maintenance  
should be performed by the authorized  
person only.

Compressor

Model no: MT64HM4DVE  
Serial no: KE1008211296

MADE IN FRANCE

M	380-400V 3-30Hz	143 MAX
	480V 3-60Hz	143 MAX
	1.8 kW	
	Thermally protected	
P.E.D.	LP Side	HP Side
Marking	18.40 bar	27.20 bar
TS Max	39.5 °C	102.0 °C
TS Min	-23.9 °C	55.0 °C
Volume	16.1 l	64.1 l
Lubricant	Mineoil HP 180P	

CE, ENEC, ERE, C2000

Refrigerant: R22/R410A / R417A with 180P

WARNING CAUTION



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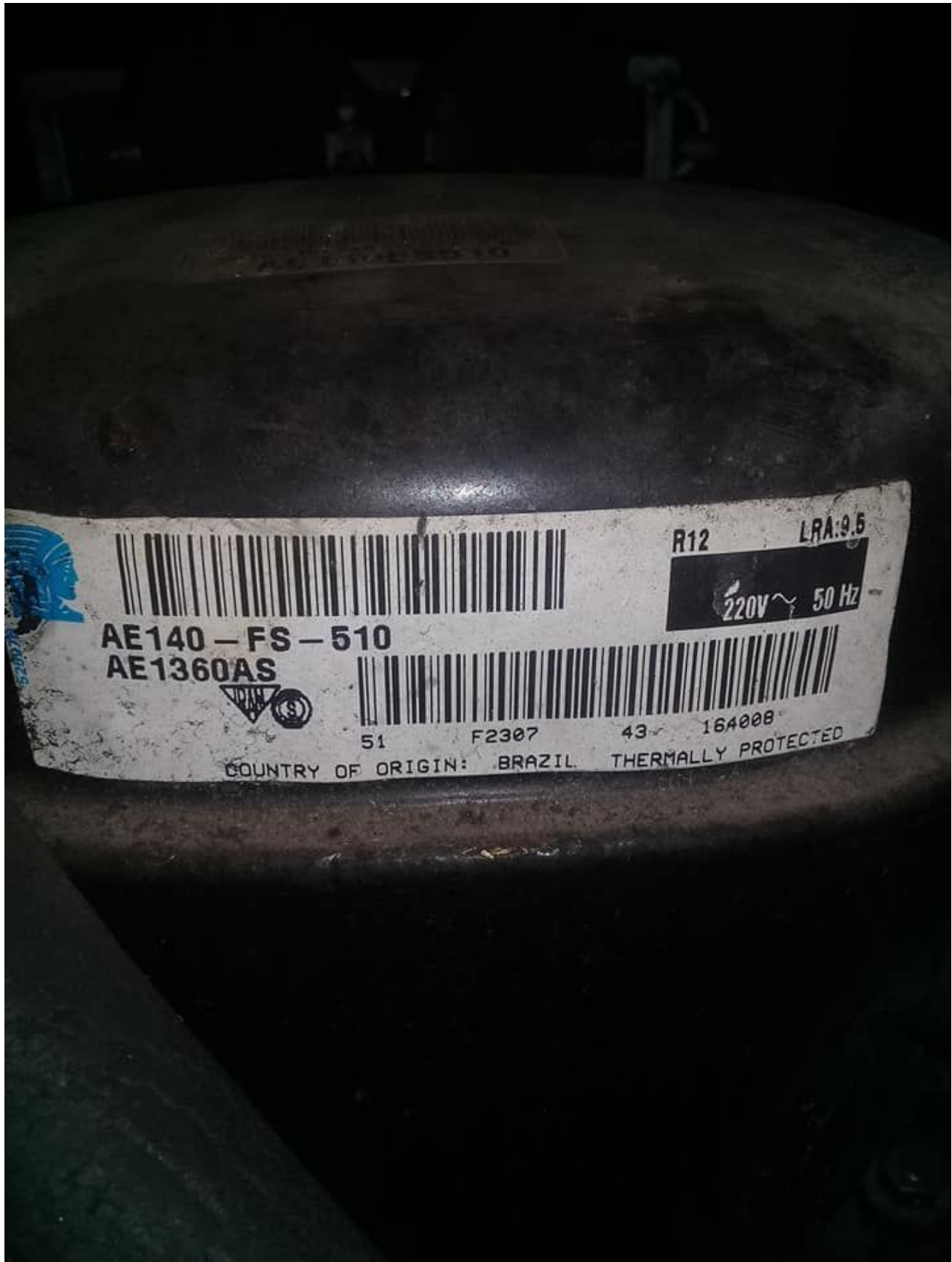
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TECUMSEH EUROPE, COMPRESSEUR,  
REFROIDISSEUR, AE1360AS, 1/5 HP,  
AE140-FS-510, Lra 9.5, LBP, R12,  
220-240V ~ 50Hz

Category: compressor

written by [www.mbsm.pro](http://www.mbsm.pro) | 13 January 2021



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Model:AE1360AS

Product Description

Type: Reciprocating

Application: LBP – Low Back Pressure

Refrigerant: R12

Voltage/Frequency: 220-240V ~ 50Hz

## Product Specifications

### Performance

Refrigeration Capacity Input Power Efficiency

EVAP

TEMP COND AMBIENT RETURN LIQUID

Condition TEMP TEMP GAS TEMP

Test

Voltage Btu/h kcal/h W W Btu/Wh kcal/Wh W/W

ASHRAE

240V ~

50HZ 560 141 164 157 3.57 .9 1.05

-23°C (-

10°F) 54°C (130°F) 32°C (90°F) 32°C (90°F) 32°C (90°F)

General

Evaporating Temp. Range: -34.4°C to -12.2°C (-30°F to 10°F)

Motor Torque:

Low Start Torque

(LST)

Compressor Cooling: Static

Mechanical

Weight: 10.231

Weight Unit of Measure: KG

Displacement (cc): 7.55

Oil Type: N/A

Viscosity (cSt): N/A

Oil Charge (cc): N/A

Electrical

Voltage Range (50 Hz): 198-253

Voltage Range (60 Hz): N/A

Locked Rotor Amps (LRA): 11

Rated Load Amps (RLA 50 Hz): 1.12

Rated Load Amps (RLA 60 Hz): N/A

Max. Continuous Current (MCC in Amps): N/A

Motor Resistance (Ohm) – Main: 11.06

Motor Resistance (Ohm) – Start: 44.87

Motor Type: RSIR

Overload Type: N/A

Relay Type: Current Relay



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QBH57C10GPX, 1/6HP ,RSIR,  
Compressors, R134a (160g), LBP  
,PANASONIC Congélateur Electrostar  
Defrost, 5 tiroirs , blanc ,  
Electrostar, ES215DF, 188L (total  
215L), 144W, 1.1A, 220-240v-50hz

Category: compressor

written by [www.mbsm.pro](http://www.mbsm.pro) | 13 January 2021



QBH57C10GPX, 1/6HP ,RSIR, Compressors, R134a (160g), LBP ,PANASONIC Congélateur Electrostar Defrost, 5 tiroirs , blanc , Electrostar, ES215DF, 188L (total 215L), 144W, 1.1A, 220-240v-50hz,





Certains types de réfrigérateurs Panasonic An Khang fournissent:

>> Réfrigérateur Panasonic SFJ39C72RLW - 1 / 9HP - 220 ~ 240V - R134.

>> Panasonic SFJ48C87RLW Tornado - 1 / 7HP - 2240VAC - R134.

>> Réfrigérateur Panasonic QBH57C10GPX - 1 / 6HP - 2240VAC - R134.

>> Réfrigérateurs Panasonic QBH66C13GPX - 1 / 5HP - 2240VAC - R134.

>> Réfrigérateurs Panasonic QBH73C16GPX - 1 / 5HP - 2240VAC - R134.

>> Réfrigérateur Panasonic QBH86C19RPX - 1 / 4HP - 2240VAC - R134.

>> Réfrigérateur Panasonic QB110C19GAW5-1 / 3HP - 220 ~ 240V - R134.

En outre, notre société propose également d'autres types de compresseurs

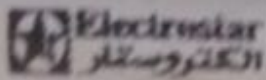
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Made in Egypt

Up-Right-DeepFreezer

Model **ES 215 DF** طراز

Voltage **220-240 V ~ 50 HZ** **1.1A** **144 W**

Freezing Capacity 18 Kg/24Hr Freezer Storage Volume 198 Lit.

Total Gross Volume 215 Lit.



168515

R134a **160g** وزن وسيط

التبريد

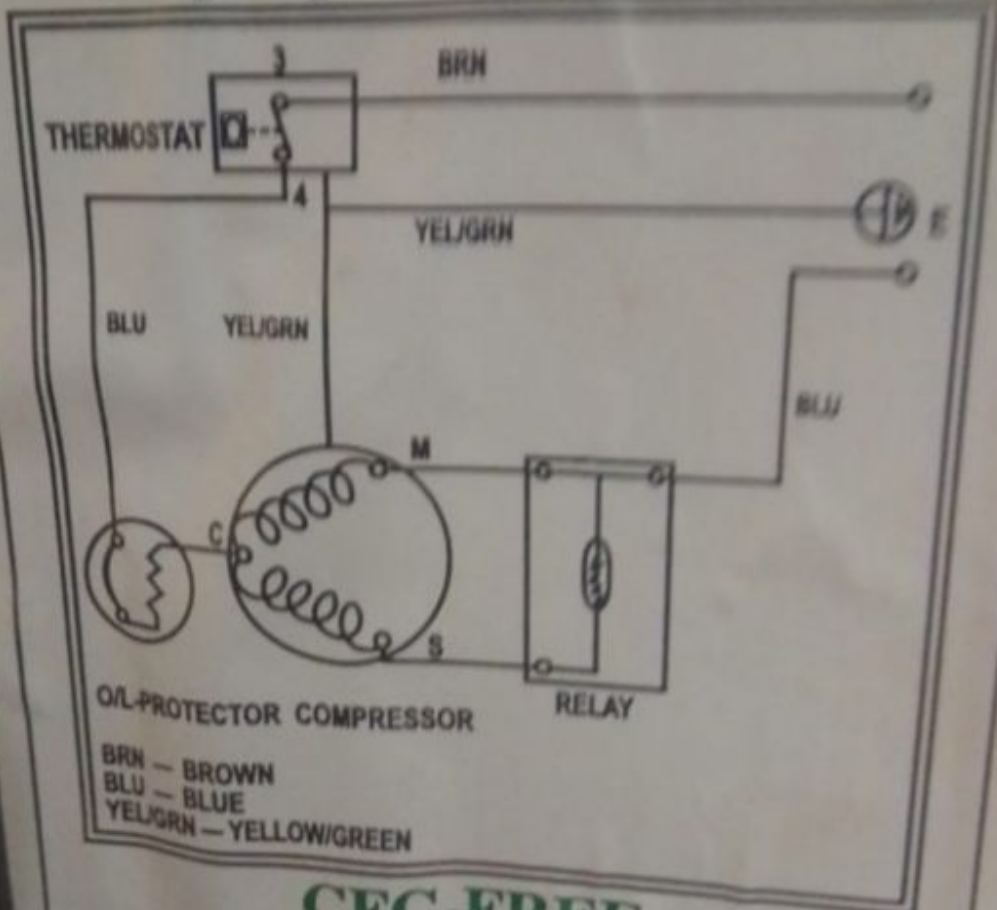
Class T صنع في مصر

max. lamp input	Without	<del>15 W</del>
Protection Rating	IPX 4	
According To	ES 6000 / 2008 - ISO 15502 / 2005	





## Wiring Diagram For Defrost Freezers



OIL-PROTECTOR COMPRESSOR


BRN — BROWN  
BLU — BLUE  
YEL/GRN — YELLOW/GREEN

**CFC-FREE**  
**REFRIGERANT : 134a**  
**FOAM : C-PENTANE**





**Panasonic** R134a




911493 8025 MP3323061

**QBH57C10GPX** 1PH

220V-50Hz

Thermally Protected  
Panasonic Corporation  
Made in Malaysia

**W**



# Kulthorn, compressor, Kulthorn compressor, c-qn76l6f, c-qn76l6f-l, 1/10 Hp, 1Ph, Serie C-q, R134a, 76 watt, Low back pressure, 200-220V/50hz, 220v/60hz, Compressor modéfier

Category: compressor

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Kulthorn, compressor, Kulthorn compressor, c-qn76l6f, 1/10 Hp, 1Ph, Serie C-q, R134a, 76 watt, Low back pressure, 200-220V/50hz, 220v/60hz, Compressor modéfier  
Compressor Motor Protectors

Each compressor incorporates a motor protection device or system. Generally, the larger the compressor, the more sophisticated the motor protector.

It is essential that an electric motor is protected against conditions that could

otherwise result in damage to the motor or to the electrical supply system. For this

reason, every Kulthorn compressor is supplied with a motor protector, sometimes referred

to as an overload. The more expensive the compressor, the greater is the

economic

justification for specifying a motor protector that has the ability to protect over a wider range of conditions.

#### 1. External Motor Protectors

A smaller compressor (such as an AZ, AE or WJ) is fitted with an external motor protector. Most commonly, this is a compact, cylindrical device that contains a snapaction bimetallic disc. The protector is mounted in contact with the surface of the compressor housing, inside the terminal guard.

The compressor current passes through the bimetallic disc. The resistance of this disc causes the disc temperature to increase as the motor current increases. There is usually

a small heater, located under the disc and connected in series with the disc itself. This

heater further raises the temperature of the disc. There is also the impact of the compressor shell temperature, and a hot compressor will further increase the disc

temperature. The temperature of the disc is thus influenced by the combined effects of –

- the compressor motor current
- the compressor shell temperature

When the bimetallic disc reaches a predetermined temperature (often either 105°C or 120°C) the disc will snap open, and power supply to the compressor will be interrupted.

The compressor will cool, and at a reduced disc temperature the protector will reset

and the compressor will restart, or attempt to restart. If the abnormal condition that

caused the protector to trip in the first place still exists, the compressor is likely to continue to cycle on the overload until that condition is corrected.

There are two situations where a motor protector is expected to operate.

2. When the compressor is running under extreme conditions.

3. When the compressor is in a locked rotor condition. This is a situation where the

compressor cannot start because the voltage is too low, the system pressures are

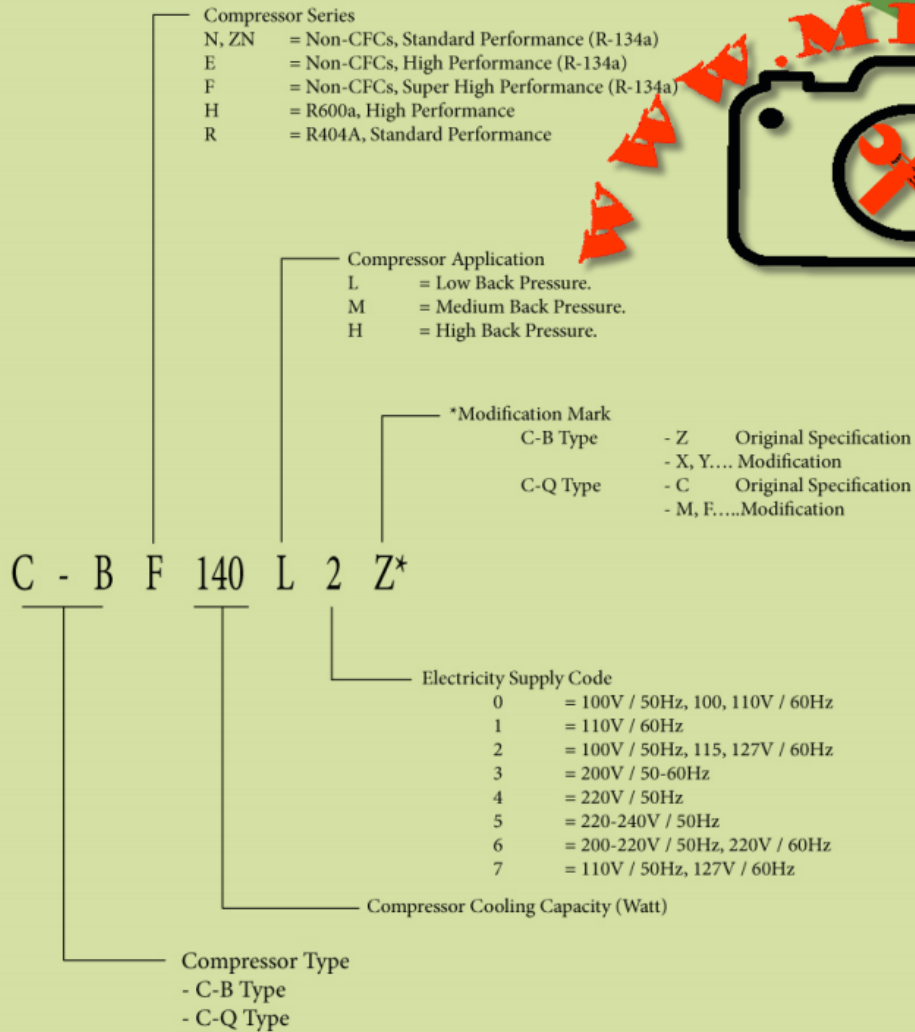
outside the range for which the compressor is approved, there is internal damage to

the compressor, or there is some other reason why the compressor is incapable of

starting

 **KULTHORN**  870611-00002043  
**C-QN76L6F-L**  
80377116  
220-230V- 60Hz 1PH  
220V- 50Hz  
R134a  
RoHS  
KPC  
28031  
MADE IN THAILAND  
TEL. 810-2548

## Model Number System



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# KULTHORN

## COMPRESSOR

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Name: Kulthorn Premier Company Limited (KPC)  
Established: December 1982  
Registered Capital: Baht 1,125 Million  
Address: 446/3 Moo 9 Chachoengsao – Nakornratchasima Road,  
Kabinburi Industrial Estate, Nongki, Kabinburi, Prachinburi 25160, Thailand

Telephone: (037) 204835, 455516  
Fax: (037) 455525, 204844  
E-mail: sales\_kpc@kulthorn.com  
kamjorn@kulthorn.com

Employees: 900 persons  
Land area: 91 rai (145,600 m<sup>2</sup>)  
Building of area: 41,500 m<sup>2</sup>  
Business Products: Hermetic Reciprocating Compressor (Scotch Yoke Mechanism)  
(Product under license SANYO Japan) Size 30-250 Watt.

**Compressor series / Refrigerant**

C-BN, C-BZN, C-BE, C-BF / R-134a  
C-QN / R-134a  
C-BH / R-600a  
C-BR / R-404A

Shareholder: Kulthorn Kirby Public Company Limited 100%

Customers: **Domestic** – Haier, Sanyo, Toshiba, Hitachi, Daewoo, Samsung, Sanden, etc.  
**Total = 35%**  
**Export** – Daewoo, Sanyo Group, GE, Sanden, Haier, Singer, Videocon,  
Toshiba, etc.  
**Total = 65%**

Quality System: ISO 9001:2000 Certified by TUV Nord      Year 2003  
Q-Mark Certified by F.T.I.      Year 2007

