

Compressor, Zanussi, HLY80AA, 1/7Hp, 220-240V 50Hz ~1, R600a, ZEM, Low Back Pressure, RSIR

Category: compressor

written by www.mbsm.pro | 26 January 2021



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Technical Data Sheet

Compressor model HLY80AAa

Voltage 220-240V 50Hz ~1

Refrigerant R600a

APPLICATION COMPRESSOR MOTOR

Application Low Back Pressure Displacement 8,10 cm³ Nominal Power 1/7 hp

Refrigerant R600a Diameter 24,29 mm Voltage/Frequency 220-240V 50Hz
Evaporating Temp. -35,0 °C to -10,0 °C Stroke 17,47 mm Voltage range 187-264 V
Expansion Capillar Net Weight 9,45 Kg Type RSIR
Comp. Cooling Static Oil type ISO VG 10 MINER Phase number 1 PH
Max. ambient temp. 43,0 °C Oil charge 205 cm³ Locked Rotor Amps (LRA) 8,60 A
Max. Cont. Current (MCC) 1,00 A
Main W. resist. at 25°C 22,02 Ω
Start W. resist. at 25°C 22,53 Ω
NOMINAL PERFORMANCE
ASHRAE CECOMAF
Cooling Capacity 113 kCal/h 99 W
COP 1,41 W/W 1,11 W/W
EER 1,22 kCal/Wh 0,96 kCal/Wh
Input Power 93 W 89 W
Current 0,62 A 0,60 A
TEST CYCLE CONDITIONS
ASHRAE CECOMAF
LBP (B) LBP (A)
Evaporating temp. -23,3 °C -25,0 °C
Condensing temp. 55,0 °C 55,0 °C
Liquid temp. 32,0 °C 55,0 °C
Ambient temp. 32,0 °C 32,0 °C
Suction temp. 32,0 °C 32,0 °C
Voltage/Frequency 220 V 50 Hz 220 V 50 Hz
ELECTRICAL COMPONENTS
Relay Option 1
Reference PTC K100
Voltage 200-240 V
Resistance 14.00 Ω
Protector Option 1 Option 2 Option 3 Option 4
Reference MSP318LZ 4TM189NFBYY T0462 AE37FJ
Current 5,90 A 5,50 A 6,20 A 5,90 A
Time check 7,5-14 seg 5-15 seg 7,5-14 seg 7,5-14 seg
Disc temp. (Open/Close) 120,00 / 61,00 °C 120,00 / 61,00 °C 110,00 / 62,00 °C
115,00 / 62,00 °C

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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

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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

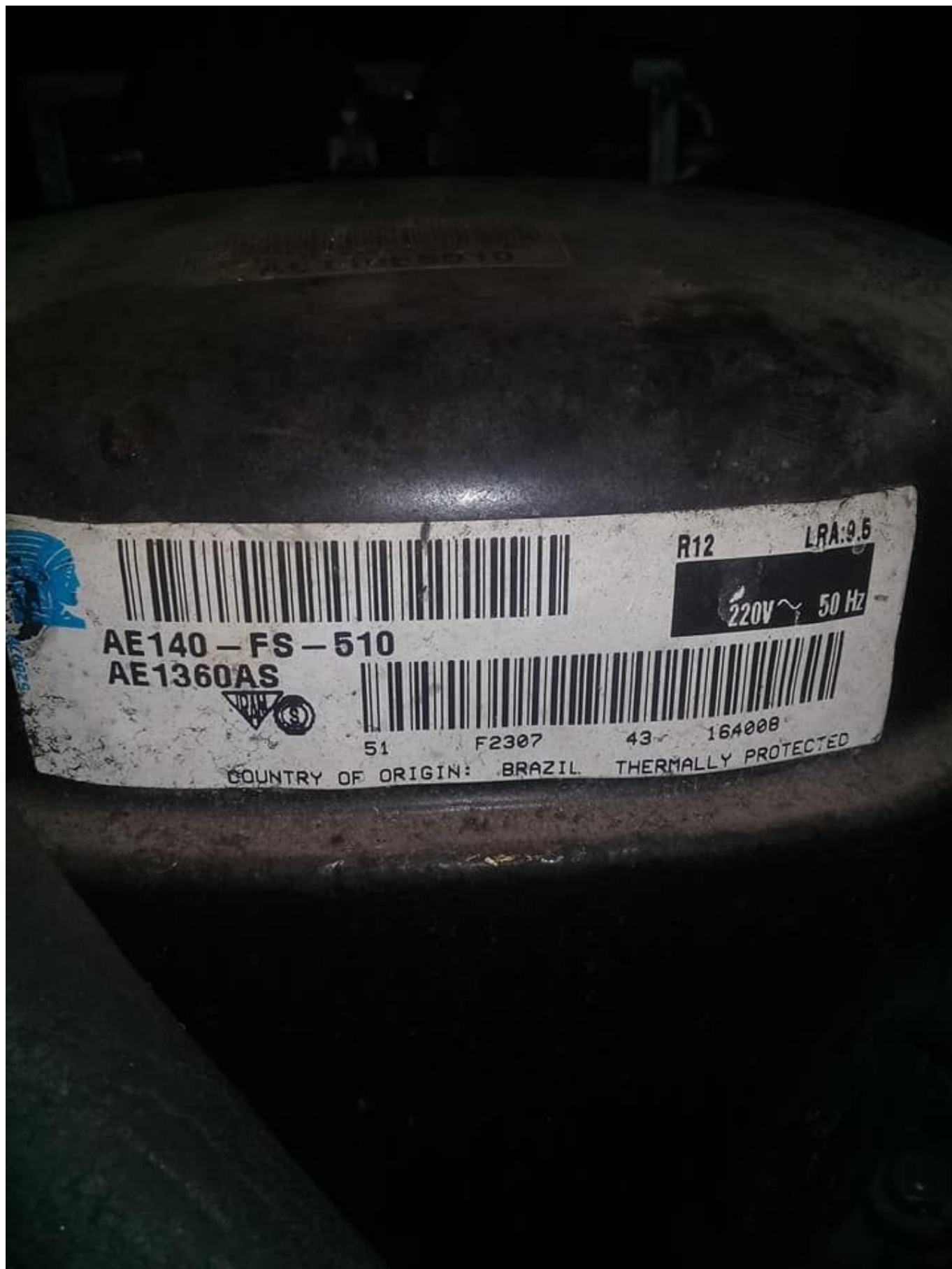
Locked Rotor Amps (LRA): 11

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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Mbsm_dot_pro_private_PDF_AE1360ASTélécharger
Mbsm_dot_pro_private_PDF_AE1360AS-1Télécharger
Mbsm_dot_pro_private_PDF_AE1360AS-2Télécharger

COMPRESSEUR, EMBRACO, ASPERA, NEK6213GK, HMBP, 1/2+ hp, 614 W

Category: compressor

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- Puissance frigorifique à -10°C 1305 W
- Puissance électrique à -10 °C 614 W
- Puissance en cheval 1/2+ CV
- Alimentation 220-240 V 50 Hz
- Gaz R404a/R507 HMBP
- Moyenne et haute pression
- Complet avec starter, condensateur, boîtier et système de fixation

Codes fabricants

- ALPENINOX (anciennement NE9213GK)
- ASCASO-VF.792 (anciennement NE9213GK)
- ASPERA-NE9213GK (anciennement NE9213GK)
- ELECTROLUX-85551 (anciennement NE9213GK)
- EMBRACO-NE9213GK (anciennement NE9213GK)
- EUNASA-21075 (anciennement NE9213GK)
- EURFRIGOR-RB000447 (anciennement NE9213GK)
- ITV-302035 (anciennement NE9213GK)
- WHIRLP00L-485409918033 (anciennement NE9213GK)
- ZANUSSI-85551 (anciennement NE9213GK)
- ALPENINOX-91161
- ANGELO PO-3138720
- ASPERA-NEK6213GK
- ASPERA-NEK6213GK-CSIR
- ELECTROLUX-91161
- EMBRACO-NEK6213GK
- EMBRACO-NEK6213GK-CSIR
- EMMEPI-8C1300
- FAST RICAMBI-605.125
- GEV-605.125
- MIGEL-1RF173
- SAGI-3138720
- UGOLINI-22807-13010
- VND-605.125
- ZANUSSI-91161

Compressor ASPERA NEK6213GK | NEK 6213 GK

Refrigerant	R404A/R507
Working range[stC] MBP	-20 do +10
Nominal capacity [W] (evaporating temperature +7,2C, Condensing temperatur +54,4C)	1761
Power supply	220-240V 50Hz
Engine type	CSIR
Displacement [cm³]	12,11
Weight [kg]	11,6

Evaporating temperature +55 C

Evaporating Temperature	Cooling Capacity +/-5%			Power Consumption +/-5%	Current Consumption +/-5%	Gas Flow Rate +/-5%	Efficiency +/-7%	
°C	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kg/h)	(kcal/Wh)	(W/W)
-20	514	598	2.040	569	3,87	16,07	0,90	1,05
-15	643	747	2.551	642	4,13	20,19	1,00	1,16
-10	793	922	3.148	717	4,41	25,09	1,11	1,29
-5	966	1.124	3.835	792	4,70	30,85	1,22	1,42
0	1.163	1.352	4.615	868	5,02	37,57	1,34	1,56
5	1.384	1.610	5.493	946	5,36	45,32	1,46	1,70
10	1.631	1.896	6.472	1.025	5,72	54,18	1,59	1,85

Substitutes for this compressor are: Electrolux/Cubigel MP12TB ,
Danfoss/Secop SC10DL , L'Unite Hermetique/Tecumseh CAE9470Z

R404A

Refrigerant: ,

R507

COMPRESSEUR EMBRACO NEK6213GK

220/240V 50Hz

puissance 1/2 Hp, le déplacement 12,12 cc

gaz réfrigérant R404a/R507 HMBP

LES CODES DE FABRICANT

091161 **ALPENINOX**

3138720 **ANGELO PO**

NEK6213GK **ASPERA**

NEK6213GK-CSIR **ASPERA**

091161 **ELECTROLUX PROFESSIONNEL**

NEK6213GK **EMBRACO**

NEK6213GK-CSIR **EMBRACO**

8C1300 **EMMEPI**

1RF173 **MIGEL**

3138720 **SAGI**

22807-13010 **UGOLINI**

091161 **ZANUSSI**

Alimentation

220/240 V-50 Hz-1 Ph

Chevaux

1/2 hp

Déplacement

12,11 cm³

Application

MHBP

**Capacité frigorifique en conditions ASHRAE,
R404A/R507**

1,76 kW

**Capacité frigorifique en conditions EN12900 MT,
R404A/R507**

0,97 kW

Réfrigérant

R404A, R452A, R507A

Aspiration

3/8"

Refoulement

1/4"

Poids

11,60 kg

Hauteur maximale

206 mm

LRA	19,30 A
Huile de recharge	350 cm3
Type d\'huile	P0E 22 ester
Autres remarques	Accessoires de démarrage inclus
Technologie	Vitesse fixe
Type de refroidissement moteur	Ventilateur
Type moteur	CSIR
Type protection moteur	External

Specifications techniques			
Réfrigérant	R-404A - R-507A	Technologie de compresseur	Hermétique à piston
Application	Moyenne pression - Haute pression	Plage d'application	-20°C à +10°C
Type de tension	Monophasé	Tension	240 / 1 / 50
Cylindrée	12.1cm3	Puissance frigorifique @ -10°C	918W
Intensité maximale	6.01A	Type moteur	CSIR
Détente	Capillaire / Détendeur	Diamètre aspiration ODF	5/16"
Diamètre refoulement ODF	1/4"	Entraxes de fixation	170 x 70mm
Hauteur	206mm	Charge d'huile	0.35l

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Mbsm_dot_pro_private_PDF_nek6213GK-Catalogue_EmbracoTélécharger
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Designation	NEK6213GK
Nominal Voltage/Frequency	220-240 V 50 Hz
Engineering Number	959BA51

A - APPLICATION / LIMIT WORKING CONDITIONS

1 Type	Hermetic reciprocating compressor		
2 Refrigerant	R-404A		
3 Nominal voltage and frequency	220-240 / 50	[V / Hz]	
4 Application type	Medium Back Pressure (Commercial Compressors R404A)		
4.1 Evaporating temperature range	-20°C to 0°C	(-4°F to 32°F)	
5 Motor type	CSIR		
6 Starting torque	HST - High starting torque		
7 Expansion device	Capillary tube or Expansion valve		
8 Compressor cooling	Operating voltage range		
		50 Hz	60 Hz
8.1 LBP (32°C Ambient temperature)	-	-	-
8.2 LBP (43°C Ambient temperature)	-	-	-
8.3 HBP (32°C Ambient temperature)	-	-	-
8.4 HBP (43°C Ambient temperature)	-	-	-
9 Maximum condensing pressures/temperature			
9.1 Operating (gauge)	25.7	[kgf/cm²] (365 psig)	/ °C - °F
9.2 Peak (gauge)	28.7	[kgf/cm²] (408 psig)	/ °C - °F
10 Maximum winding temperature	130	[°C]	

B - MECHANICAL DATA

1 Commercial designation	1/2+	[hp]
2 Displacement	12.11	[cm ³] (0.739 cu.in)
2.1 Bore	27.775	
2.2 Stroke	10.000	
3 Lubricant charge	350	[ml] (11.84 fl.oz.)
3.1 Lubricants approved		
3.2 Lubricants type/viscosity	ESTER / ISO22	
4 Weight(with oil charge)	11.6	[kg] (25.57 lb.)
5 Nitrogen charge	0.2 to 0.3	[kgf/cm ²] (2.84 to 4.27 psig)

C - ELECTRICAL DATA

1 Nominal Voltage/Frequency/Number of Phases	220-240 V 50 Hz 1 ~ (Single phase)	
2 Starting device type	Current Relay	
2.1 Starting device		
3 Start capacitor	53-64(330)	[µf(VAC minimum)]
4 Run capacitor	-	[µf(VAC minimum)]
5 Motor protection (external)	T0743/G6	
6 Start winding resistance	20.88	[Ω at 25°C (77°F)] +/- 8%
7 Run winding resistance	3.93	[Ω at 25°C (77°F)] +/- 8%
8 LRA - Locked rotor amperage (50 Hz)	-	[A] - Measured according to UL 984
9 FLA - Full load amperage LMBP (50 Hz)	-	[A] - Measured according to UL 984
10 FLA - Full Load Amperage HBP (50 Hz)	-	[A] - Measured according to UL 984
11 Approval boards certification	IMQ	

Panasonic Refrigerator, Freezer Compressor, QB110C25CAX0 , 1/3 Hp , csir, LBP, 273 w, 10.86 cm³

Category: compressor

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Panasonic Refrigerator, Freezer Compressor, QB110C25CAX0 , 1/3 Hp(+big) , csir

ALL ELECTROLUX HERMETIC COMPRESSORS – R134a LBP VOLTAGE 220-240/1/50

Category: compressor

written by www.mbsm.pro | 26 January 2021

ALL ELECTROLUX HERMETIC COMPRESSORS – R134a LBP VOLTAGE 220-240/1/50

TPH1413YKS, R-134a, 220-240V à 50Hz, Tecumseh/Taikang , 271 w , 3/8Hp

Category: Technologie, Tester ok

written by www.mbsm.pro | 26 January 2021

TPH1413YKS, R-134a, 220-240V à 50Hz, Tecumseh/Taikang , 271 w , 3/8Hp

Tecumseh ,Compressor Az1355D, 1/6Hp , R12 ,réfrigérateur

Category: Technologie,Tester ok

written by www.mbsm.pro | 26 January 2021

Tecumseh ,Compressor Az1355D, 1/6Hp , R12 ,réfrigérateur

HERMETIC ,AW5524EK ,Compressor , 20,950 BTU ,230/1/60 R-22 , : 220-240 V/50 Hz. , 1 Phase , 1.7458333333 TON

Category: Technologie,Tester ok

written by www.mbsm.pro | 26 January 2021

Electrical : 220-240 V/50 Hz. 1 Phase

Nominal Performance

Capacity 6,140 / – Watts

20,950 / – BTU/Hr

5,280 / – Kcal/Hr

Power Input 2,089 / – Watts

Locked Rotor Amps 51.30 / – Amps

Max Continuous Current – / – Amps

Rated Load Amps 9.64 / – Amps

COP 2.94 / – Watts / Watts

EER 10.03 / – BTU/W-Hr

Testing Conditions

Condensing Temperature 54.40 °C 129.9 °F

Evaporating Temperature 7.20 / – °C 45.0 / – °F

Liquid Temperature 46.10 °C 115.0 °F

Return Gas Temperature 35.00 °C 95.0 °F

Ambient Temperature 35.00 °C 95.0 °F

Application

Evaporating Temp. Range HBP, A/C @ 0.00 ° C to 13.00 ° C
(32.0° F to 55.4° F)

Heat Pump -23.30 ° C to 13.00 ° C
(-9.9° F to 55.4° F)

Refrigerant R22

Refrigerant Flow Control Capillary Tube

Compressor Cooling Fan

Compressor and Motor data

Compressor Type Reciprocating

Displacement 43.10 cc.

Oil Type Mineral Oil

Oil Charge 964 cc.

Motor Type P.S.C ; 2 Pole 2,850 / – r/m

Voltage Range 198-264/- Volts 50/- Hz.

Winding Resistance at 25 ° C

Start 2.52 Ohms

Run 1.24 Ohms

Weight with Oil 27.72 Kg.

Weight with Oil and Accessories 28.05 Kg.

Electrical Components

Motor Protector

Type Internal Overload

Model Number 4042KGE661-2

Open / Close 125-135 / 50-70 ° C

1st Cycle trip at 25 ° C 50.00 Amps(main) 30.00 Amps(start)

Motor Starter

Type Potential Relay

Model Number 4043KGE681-4(RVA3G6D)

Pick Up (max.) 180.00-195.00 Volts

Drop Out (min.) 40.00-90.00 Volts

Terminal Cover KGM 901-3

Start Capacitor 88-106 µF 330 VAC.

Disch Resistor for Start Cap –

Run Capacitor 45 µF 370/440 VAC.

Mounting Kit

Rubber Grommet 4007KGM905-2

Sleeve Grommet 4023KGM903-2

Washer –

Since we are constantly improving our product , the
specification are subject to change without notice.

REV. DATE C / N No.

ECN 01-04-14 ECN 0515/13





Dot Pro : www.mbsm.pro

DOCUMENTATION PDF

Mbsm_dot_pro_private_pictureAW5524EKTélécharger

Tableau de conversion d'unités

Category: Technologie

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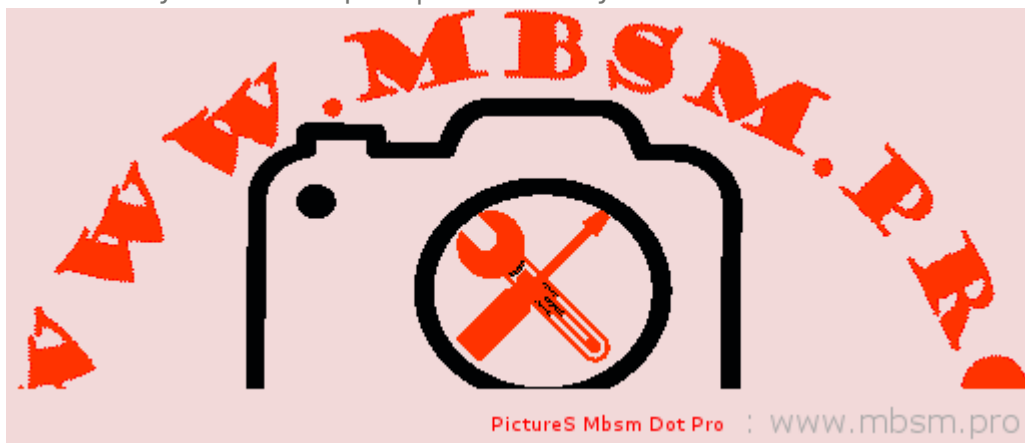


Tableau de conversion d'unités

**mbsm.pro , Compresseur Aspera ,
Embraco ,NEK2168GK , R404a/R507 , LBP
,3/4 HP,nominal output: 707 W**

Category: Technologie,Tester ok

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EMBRACO is a company specialized in cooling solutions and world leader in the hermetic compressor market. Our mission: provide innovative solutions for a better quality of life, always attentive to technological excellence and sustainability.

Technological leadership, operational excellence and sustainability are some of

the pillars which ensure the EMBRACO differential over other companies in the world market. Its products are now considered the favorite leading home appliance manufacturers by major automakers and are spotlighted by manufacturers of commercial refrigeration equipment. With global operations and production capacity exceeding 34 million units a year, the company offers solutions that are differentiated for their innovation and low energy consumption. Its 11.500 employees work in factories and offices located in Brazil (headquarters), China, Italy, Slovakia, Mexico, the United States and Russia. Energy efficiency is constantly sought in the processes, products and relationships with the communities where it operates. Our company is the absolute leader in this segment, being able to offer products that meet the most restrictive international standards regarding energy consumption. As a worldwide leader, EMBRACO tries to anticipate market changes, and in doing so, our company is in a state of permanent transformation. We continuously assess our processes in order to maintain our leadership within the industry and promote growth, without forgetting the pillars of our organization.

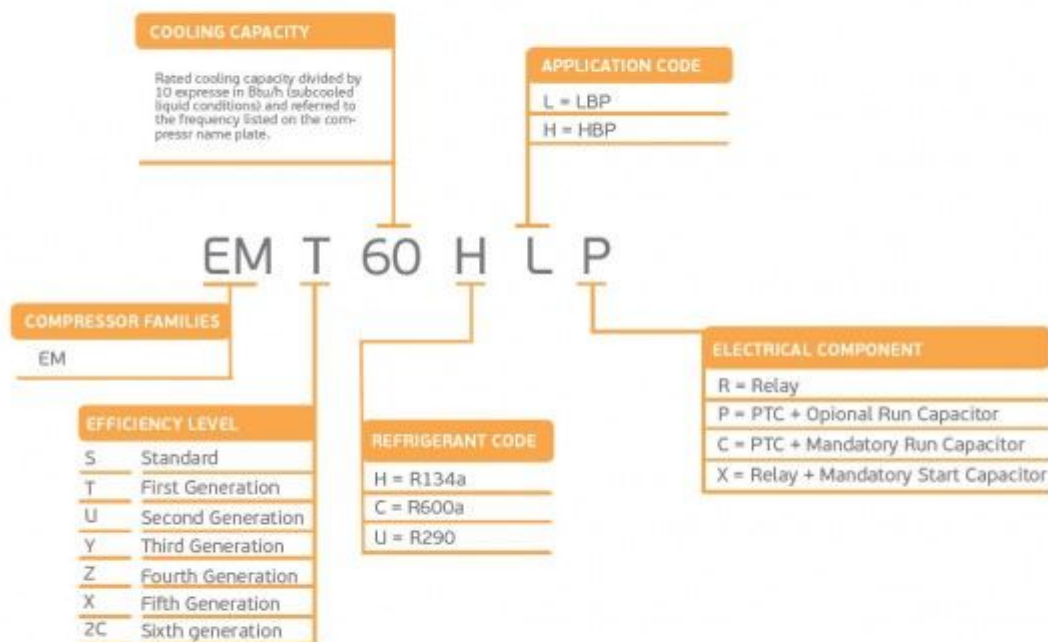
Compressor ASPERA NEK2168GK | NEK 2168 GK

Refrigerant	R404/R507
Working range[stC] LBP	-40 to -10
Nominal capacity [W] (evaporating temperature -23,3C, Condensing temperatur +54,4C)	688
Power supply	220-240V 50Hz
Engine type	CSIR
Displacement [cm ³]	14,28
Weight [kg]	11,6
Evaporating temperature +55 C	

Evaporating Temperature	Cooling Capacity +/-5%	Power Consumption +/-5%	Current Consumption +/-5%	Gas Flow Rate +/-5%	Efficiency +/-7%			
°C	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kg/h)	(kcal/Wh)	(W/W)
-40	226	263	897	370	3,46	6,01	0,61	0,71
-35	309	359	1.224	435	3,57	8,22	0,71	0,82
-30	413	481	1.640	506	3,73	11,06	0,82	0,95
-25	541	629	2.146	584	3,95	14,52	0,93	1,08
-20	691	803	2.740	668	4,21	18,64	1,03	1,20
-15	863	1.004	3.424	759	4,53	23,43	1,14	1,32

-10 1.058 1.230 4.197 856 4,90 28,92 1,24 1,44
 Refrigerant: R404A, R507

	R404A / R507							
	LBP	VOLT. FREQ.	COOL. CAP. [W]	DISPL. [cc]	MBP	VOLT. FREQ.	COOL. CAP. [W]	DISPL. [cc]
NE NEK	NEK2117GK	A	125	4,51	NEK6144GK	A	550	4,51
	NEK2121GK	A	151	5,44	NEK6165GK	A	743	6,20
	NEK2125GK	A	182	6,20	NEK6181GK	A	841	7,28
	NEK2130GK	A	213	7,37	NEK6210GK	A / N	1.005	8,77
	NEK2134GK	A / N	248	8,77	NEK6213GK	A	1.337	12,11
	NEK2150GK	A	329	12,11	NEK6217GK	A / N	1.164	14,28
	NEK2168GK	A	378	14,28				
	NEK2172GK	C	819	16,80				



embraco **NEK**



R404A **LBP**

PictureS Mbsm Dot Pro : www.mbsm.pro



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• mbsm.pro , Compresseur Aspera , Embraco NEK2168GK , R404A , LBP , 3/4 HP
 Compresseur hermetique de Aspera – Embraco NEK2168GK – R404A
 3/4 HP
 220-240V 50 Hz
 Cylindrée = 14.3 CM3
 APPLICATIONS = LBP
 Moteur type: CSR