

If you need to replace a compressor in a refrigerator, you need to choose the right analogue

written by Lilianne | 23 November 2023



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If you need to replace a compressor in a refrigerator, you need to choose the right analogue

Mbsm.pro,
Compressor,

Hermetic,
Electrolux,

**L88TN, 3/8 Hp ++, R-22, HMBP,
Q=416W, tk-15°C/, tc55, 230V
50Hz, L88TN , ACC, ALPENINOX,
ASCASO, BARLINE , L88TN,
CUBIGEL, EUNASA, EURFRIGOR ,
GEV, ICEMATIC, ITV, SCOTSMAN,
SIMAG, ZANUSSI**

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Mbsm.pro, Hermetic, Compressor, Electrolux, L88TN, 3/8 Hp ++,
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, GEV, ICEMATIC, ITV, SCOTSMAN, SIMAG, ZANUSSI

**Mbsm.pro, Compressor,
Hermetic, Tecumseh, AEZ9440T,
R22, 1/3 hp++, MHBP**

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Basic Info.

Model NO.AEZ9440TLubrication StyleLubricatedCooling SystemAir
CoolingCylinder ArrangementBalanced Opposed
ArrangementCylinder PositionHorizontalStructure TypeClosed

PSC = Permanent Split Capacitor, 1 Phase, 50 Hz. 220-240 Volt									
3Ø: 3 Phase, 50 Hz, 400 Volt									
Expansion Device:									
C = Capillary Tube									
C/V = Capillary Tube or Expansion Valve									
R22 Hermetic									
Model No.	Nominal HP	Displ. cm ³ /rev	Motor Type	Nominal Current FLA	Exp. Device	Oil Charge cm ³	Connections: inches		
cm ³	Discharge	Proc.							
AE 5465E	1/2	12.05	PSC	3.2	C	450	3/8 Tube	1/4 Tube	3/8 Tube
AJ 5510F	3/4	18.6	PSC	5.2	C	887	3/8 Tube	1/4 Tube	1/4 Tube
AJ 5512E	1	21.75	PSC	5.9	C	887	3/8 Tube	1/4 Tube	1/4 Tube
AJ 5513E	1	24.2	PSC	6	C	887	3/8 Tube	1/4 Tube	1/4 Tube
AJ 5515E	1 1/4	25.95	PSC	7.2	C	887	1/2 Tube	5/16 Tube	1/4 Tube
AJ 5518E	1 1/2	32.7	PSC	9.3	C	887	1/2 Tube	5/16 Tube	1/4 Tube
AJ 5519E	1 1/2	34.45	PSC	9.96	C	887	1/2 Tube	5/16 Tube	1/4 Tube
FH 5522E	1 3/4	39.95	PSC	9	C	1330	5/8 Tube	3/8 Tube	5/16 Tube
TFH 5522E	1 3/4	39.95	3Ø	3.8	C/V	1330	5/8 Tube	3/8 Tube	5/16 Tube
FH 5524E	2	43.5	PSC	10	C	1330	5/8 Tube	3/8 Tube	5/16 Tube
TFH 5524E	2	43.5	3Ø	4	C/V	1330	5/8 Tube	3/8 Tube	5/16 Tube
FH 5527E	2 1/4	49.1	PSC	12	C	1330	5/8 Tube	3/8 Tube	5/16 Tube
TFH 5527E	2 1/4	49.1	3Ø	4.2	C/V	1330	5/8 Tube	3/8 Tube	5/16 Tube
FH 5531E	2 1/2	56.65	PSC	14.1	C	1330	3/4 Tube	3/8 Tube	5/16 Tube
TFH 5531E	2 1/2	56.65	3Ø	8	C/V	1330	3/4 Tube	3/8 Tube	5/16 Tube
FH5540E	3	74.25	PSC	18.6	C	1330	3/4 Tube	3/8 Tube	5/16 Tube
TFH 5540E	3	74.25	3Ø	6	C/V	1330	3/4 Tube	3/8 Tube	5/16 Tube
TFH 5540E	3	74.25	3Ø	6	C/V	1330	78	1/2 Valve	5/16 Tube

Capacity Rating Basis: 35°C Ambient, 11K Return Gas Superheat, 54.5°C Condensing, 46°C Liquid entering Expansion Valve.								
Current FLA are given at nominal voltage, rated conditions and 7.2°C evaporating temperature.								
Motor Types:								
CSIR: Capacitor start, Induction run } 1 Phase, 50 Hz, 220-240 Volt								
CSR: Capacitor start and run								
3Ø: 3 Phase, 50 Hz, 400 Volt								
Conversion: Watts x 3.412 = BTU/Hr BTU/Hr x 0.293 = Watts								
R22 Hermetic								
Model No.	Nominal HP	Displ. cm ³ /rev	Motor Type	Nominal Current FLA	Oil Charge cm ³	Connections: inches		
Suction	Discharge							
AEZ 4425E	1/5	4.5	CSIR	1.75	450	1/4 Tube	3/16 Tube	
AEZ 4430E	1/4	5.7	CSIR	2.2	450	1/4 Tube	3/16 Tube	
AEZ 4440E	1/3	7.55	CSIR	2.6	450	1/4 Tube	3/16 Tube	
AEZ 9440T	1/3	7.55	CSR	2.03	450	3/8 Tube	1/4 Tube	
CAE 4450E	3/8	9.4	CSIR	3.3	450	3/8 Tube	1/4 Tube	
CAE 9450T	3/8	9.5	CSR	2.6	450	3/8 Tube	1/4 Tube	
CAE 9460T	1/2	11.3	CSR	3.2	450	3/8 Tube	1/4 Tube	
CAJ 9408T	5/8	15.2	CSR	3.68	887	1/2 Valve	5/16 Tube	
CAJ 9510T	1	18.3	CSR	4.8	887	5/8 Valve	5/16 Tube	
CAJ 9513T	1 1/8	24.2	CSR	5.9	887	5/8 Valve	5/16 Tube	
CAJ 4517E	1 1/4	25.95	CSR	6.1	887	5/8 Valve	3/8 Tube	
TAJ 4517T	1 1/2	25.95	3Ø	2.5	887	5/8 Valve	3/8 Tube	
TAJ 4519T	1 1/2	34.45	3Ø	3.5	887	5/8 Valve	1/2 Valve	
FH 4524F	2	43.5	CSR	9.55	1480	5/8 Valve	1/2 Valve	
TFH 4524F	2	4.35	3Ø	3.9	1480	7/8 Valve	1/2 Valve	
FH 4531F	2 1/2	56.65	CSR	12.6	1480	7/8 Valve	1/2 Valve	
TFH4531F	2 1/2	56.65	3Ø	4.75	1480	7/8 Valve	1/2 Valve	

TFH 4540F	3	74.25	3Ø	6.08	1480	7/8 Valve	1/2 Valve		
TAG 4546T	4	90.2	3Ø	6.6	1960	7/8 Valve	5/8 Valve		
TAG 4553T	4 1/2	100.7	3Ø	7.4	1960	7/8 Valve	5/8 Valve		
TAG 4561T	5	112.5	3Ø	9	1960	1 7/8 Valve	5/8 Valve		
TAG 4568T	6	124.4	3Ø	9.6	1960	1 7/8 Valve	5/8 Valve		
TAG 4573T	6 1/2	134.8	3Ø	11	1960	1 7/8 Valve	5/8 Valve		
Tecumseh Hermetique R134a									
The world renowned L'Unite Hermetique compressors are manufactured by Tecumseh.									
Features:									
Charged with polyolester oil and dry nitrogen									
Crankcase heater on FH/TFH and TAG models									
Oil sight glass on FH/TFH and TAG models									
Rotalock valves are included for all valve connection compressors									
Anti-vibration mounts supplied									
Single Phase – Medium High SST									
Model No.	Nominal HP	Displacement: cm3/rev	Cooling	Oil Charge: ml					
CAJ4476Y	5/8	21.75	Fan	887					
CAJ4492Y	3/9	25.95	Fan	887					
CAJ4511Y	1	32.7	Fan	887					
FH4518Y	1 1/2	53.2	Fan	1480					
FH4525Y	2	74.25	Fan	1480					
Three Phase – Medium High SST									
Model No.	Nominal HP	Displacement: cm3/rev	Cooling	Oil Charge: ml					
TAJ4511Y	1	32.7	Fan	887					
TFH4518Y	1 1/2	53.2	Fan	1480					

Capacity Rating Basis: 35°C Ambient, 11K Return Gas Superheat, 54.5°C Condensing, 46°C Liquid entering Expansion Valve.									
Current FLA are given at nominal voltage, rated conditions and 7.2°C Evaporating Temperature.									
Motor Types:									
CSIR: Capacitor Start, Induction Run 1 Phase, 50 Hz, 220-240 Volt									
CSR: Capacitor Start and Run									
3Ø: 3 Phase, 50 Hz, 400 Volt									
All models are also suitable for operation with R507									
Single Phase – Medium High SST									
Model No.	Nominal HP	Displacement: cm3/rev	Cooling	Oil Charge: ml					
CAJ9480Z	5/8	15.2	Fan	887					
CAJ9510Z	1	18.3	Fan	887					
CAJ9513Z	1 1/8	24.2	Fan	887					
CAJ4517Z	1 1/4	25.95	Fan	887					
CAJ4519Z	1 1/2	34.45	Fan	887					
FH4522Z	1 3/4	39.95	Fan	1480					
FH4524Z	2	43.5	Fan	1480					
FH4531Z	2 1/2	56.65	Fan	1480					
FH4540Z	3	74.25	Fan	1480					
Three Phase – Medium High SST									
Model No.	Nominal HP	Displacement: cm3/rev	Cooling	Oil Charge: ml					
TAJ9480Z	5/8	15.2	Fan	887					
TAJ9510Z	1	18.3	Fan	887					

TAJ9513Z	1 1/8	24.2	Fan	887					
TAJ4517Z	1 1/4	25.95	Fan	887					
TAJ4519Z	1 1/2	34.45	Fan	887					
TFH4522Z	1 3/4	39.95	Fan	1480					
TFH4524Z	2	43.5	Fan	1480					
TFH4531Z	2 1/2	56.65	Fan	1480					
TFH4540Z	3	74.25	Fan	1480					
TAG4546Z	4	90.2	Fan	1960					
TAG4553Z	4 1/2	100.7	Fan	1960					
TAG4561Z	5	112.5	Fan	1960					
TAG4568Z	6	124.4	Fan	1960					
TAG4573Z	6 1/2	134.8	Fan	1960					
Single Phase – Low SST									
Model No.	Nominal HP	Displacement: cm3/rev	Cooling	Oil Charge: ml					
CAE2417Z	1/3	11.3	Fan	450					
CAE2420Z	1/2	12.54	Fan	450					
CAE2424Z	5/8	15	Fan	450					
CAJ2428Z	1/2	15.2	Fan	887					
CAJ2432Z	5/8	18.3	Fan	887					
CAJ2446Z	3/4	26.15	Fan	887					
CAJ2464Z	1 1/2	34.45	Fan	887					
FH2480Z	2	53.2	Fan	1625					
FH2511Z	2 1/2	74.25	Fan	1625					
Three Phase – Low SST									
Model No.	Nominal HP	Displacement: cm3/rev	Cooling	Oil Charge: ml					
TAJ2464Z	1 1/2	34.45	Fan	887					
TFH2480Z	2	53.2	Fan	1625					
TFH2511Z	2 1/2	74.25	Fan	1625					
TAG2516Z	4	112.5	Fan	1960					
TAG2522Z	5 1/2	134.8	Fan	1960					
Three Phase – Parallel Applications									
Model No.	Nominal HP	Displacement: cm3/rev	Application: SST	Cooling	Oil Charge: ml				
TAGP4546Z	4	90.2	Medium	Fan	1960				
TAGP4553Z	4 1/2	100.7	Medium	Fan	1960				
TAGP4561Z	5	112.5	Medium	Fan	1960				
TAGP4568Z	6	124.4	Medium	Fan	1960				
TAGP4573Z	6 1/2	134.8	Medium	Fan	1960				
TAGP2516Z	4	112.5	Low	Fan	1960				

TAGP2522Z	5 1/2	134.8	Low	Fan	1960			
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MEDIUM/HIGH BAK PRESSURE COMPRESSORS

Type	COMPRESSOR MODELS	Nominal Power (H.P.)			REFRIGERATION CAPACITY AT 50HZ Rafed 54.5°C Cond Temp (Watts)						VOLTAGE	
			Refrigerant	Displacement (cm ³)	Evaporating Temperature							
					Oil charge (cm3)	-25°C	-15°C	-10°C	0°C	+7.2°C		+15°C
PISTON	AEZ4425E	1/5	R22	4.50	250	138	192	256	413	553	728	220-240V/1/50Hz
	AEZ4430E	1/4	R22	5.70	250	192	255	336	538	718	945	220-240V/1/50Hz
	AEZ3440E	1/3	R22	7.55	350	308	362	464	733	980	1298	220-240V/1/50Hz
	AEZ4440E	1/3	R22	7.55	350	308	362	464	733	980	1298	220-240V/1/50Hz
	AEZ9440T	1/3	R22	7.55	350	222	362	464	733	975	1302	220-240V/1/50Hz
	CAE4450E	3/7	R22	9.40	350	355	426	554	896	1212	1623	220-240V/1/50Hz
	CAE9450T	3/7	R22	9.40	350	256	426	554	896	1212	1623	220-240V/1/50Hz
	CAE9460T	1/2	R22	11.30	350	324	553	715	1134	1514	2000	220-240V/1/50Hz
	CAJ9480T TAJ9480T	5/8	R22	15.20	887	461	786	1011	1586	2103	2761	220-240V/1/50Hz 400V/3/50Hz
	CAJ9510T TAJ9510T	1	R22	18.30	887	545	956	1229	1909	2510	3266	220-240V/1/50Hz 400V/3/50Hz
	CAJ9513T TAJ9513T	1-1/8	R22	24.20	887	526	1074	1451	2411	3272	4366	220-240V/1/50Hz 400V/3/50Hz
	CAJ4517E TAJ4517T	1-3/4	R22	25.95	887	771	1233	1673	2727	3629	4743	220-240V/1/50Hz 400V/3/50Hz



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Mbsm_dot_pro_private_PDF_AEZ9440TTélécharger

**Mbsm.pro, Motor, compressor,
type, RSIR, RSCR, CSIR, CSCR,
PSC**

written by Lilianne | 23 November 2023

(1) RSIR

Resistance start induction run

(2) RSCR

Resistance start capacitor run

(3) CSIR

Capacitor start induction run

(4) CSCR/CSR

Capacitor start capacitor run

(5) PSC

Permanent split capacitor

(1) RSIR

Resistance start induction run

(2) RSCR

Resistance start capacitor run

(3) CSIR

Capacitor start induction run

(4) CSCR/CSR

Capacitor start capacitor run

(5) PSC

Permanent split capacitor

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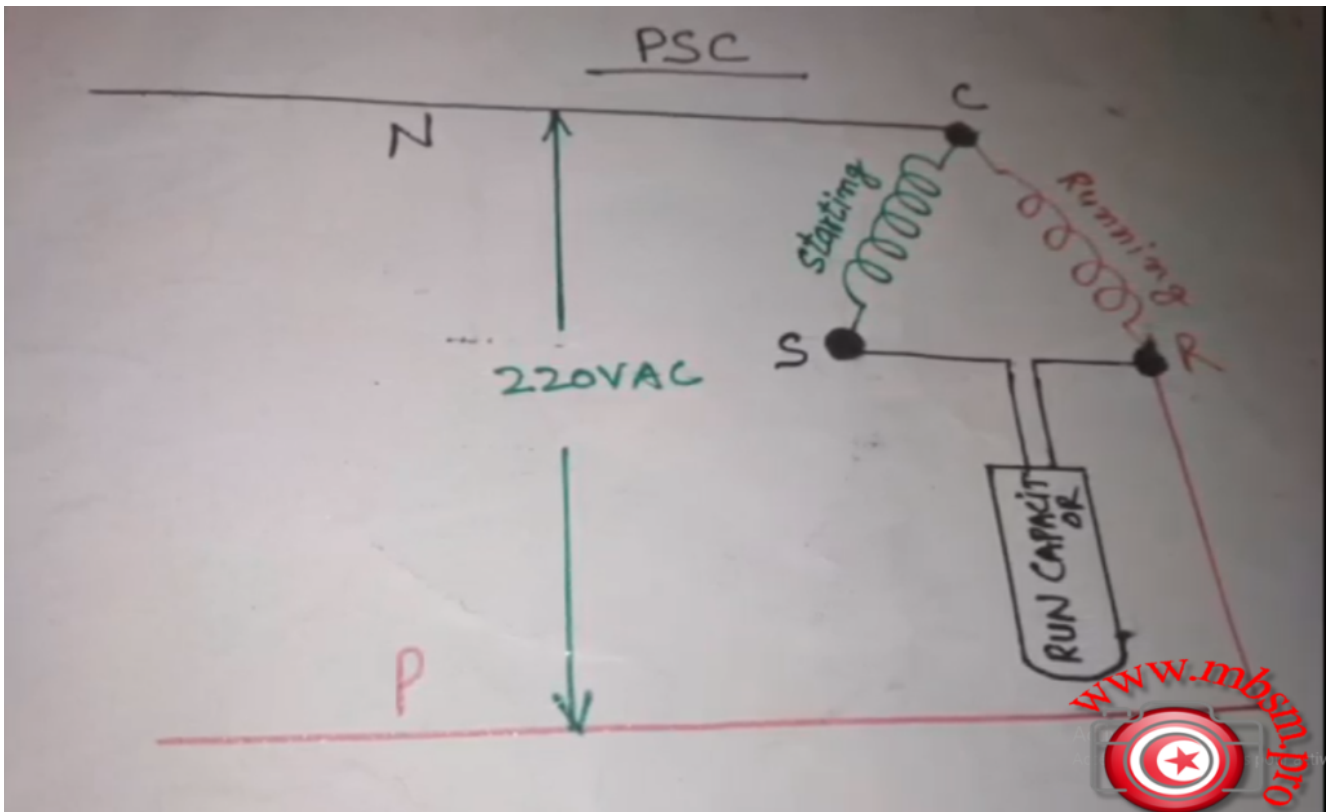
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CSCR/CSR



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**Mbsm.pro, COPLAND,
Compressor, KCJ511HAE,
KCJ511HAE-BXXX, HBP, 1-3/8
hp big ++, R-22, 230 V, 50
Hz, 1PH, FAN, 350 ft³ / m**

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Technical Specification	
Cooling Capacity (Btu/hr)	11275
Cooling Capacity (w)	3302
HP	1-3/8
LRA	54

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders 2

Displacement @ 50 Hz, cu.m/h 3.2

Bore/Stroke, mm 3.5/1.9

Length/Width, mm 235/179

Height, mm 264

Net Weight, kg 21.5

Stub Suction, inch 5/16

Stub Discharge, inch 5/16

Oil Quantity, l 0.9

Base mounting (hole dia), mm NA (0.0)

Sound Pressure @ 1m (HT), dBA 57

Sound Power (HT), dBA 68

COMPRESSOR ELECTRICAL DATA (220/240V – 1~ – 50Hz)

Locked Rotor Current, A 25

Default Enclosure Class IP 21 (IEC 34)

ACCESSORIES OPTIONAL

Mounting Grommets Standard

Single Phase Equipment Relay, Start and Run Capacitor



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Horse Power

50HZ

Brand

COPLAND

Compressor Technology

HERMETIC

Model Name/Number

KCJ511HAE

Power



220V



Mbsm_dot_pro_private_PDF_KCJ511HAETélécharger

Saunier Duval C25E

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Thermostat d'ambiance , Thermostat de sécurité, Marque IMIT, Italie

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**SCHNEIDER N:ATV32H075M2
variable speed drive ATV32 –
0,75 kw – 200 V – 1 phase –
with heat sink**

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**PINCE EMBOITURE VIRAX 12-32MM
SERTISSAGE AXIAL PER-PEX
12-16MM**

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Machine a laver lg 11kg

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