Mbsm.pro, Compresor, Samsung, HK6A3C2W, R134a, 1/3 hp++, 690 w , hbp, SDxx-SKxx-HKxx Series

Category: compressor
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VOLTAGE	MODEL	TYPE	(V-Hz)	Kcal/Hr	Watt	BTU/Hr	W	EFF Kcal/WHr	COP W/W	EER BTU/WHr	TYPE
AC 100V~50/60Hz	SD652E-S2W2	CSR	100-50	450	523	1,787	230	1.96	2.28	7.77	FC
			100-60	550	640	2,184	262	2.10	2.44	8.33	
	HK690E2W	CSR	100-50	780	907	3,097	390	2.00	2.33	7.94	FC
			100-60	950	1,105	3,772	445	2.13	2.48	8.48	
	HK6A3E2W	CSR	100-50	HK6A	1,221	4,169	577	1.82	2.12	7.22	FC
			100-60	1,250	1,453	4,963	644	1.94	2.26	7.71	
AC 115V~60Hz	SD643C-H2U2	RSCR	115-60	450	523	1,787	220	2.05	2.38	8.12	FC
	SD652C-H2U2	RSCR	115-60	550	640	2,184	262	2.10	2.44	8.33	FC
	SK670C-H2Y	RSIR	115-60	720	837	2,858	390	1.85	2.15	7.33	FC
	SK682C-H2Y	RSIR	115-60	830	965	3,295	460	1.80	2.10	7.16	FC
	SK6A1C-H2Y	RSIR	115-60	1,080	1,256	4,288	630	1.71	1.99	6.81	FC
	HK672C2Z	RSIR	115-60	750	872	2,978	370	2.03	2.36	8.05	FC
	HK680C2Z	RSIR	115-60	850	988	3,375	430	1.98	2.30	7.85	FC
	HK690C2Z	RSIR	115-60	950	1,105	3,772	490	1.94	2.25	7.70	FC
	HK6A1C2U	RSCR	115-60	1,090	1,267	4,327	545	2.00	2.33	7.94	FC
	HK6A3C2W	CSR	115-60	1,250	1,453	HK6A	690	1.81	2.11	7.19	FC
AC 220V~60Hz	SD643B-H2U2	RSCR	220-60	450	523	1,787	220	2.05	2.38	8.12	FC
	SD643B-H2UB	RSCR	220-60	480	558	1,906	238	2.02	2.35	8.01	FC
	SD652B-S2W2	CSR	220-60	550	640	2,184	255	2.16	2.51	8.56	FC
	SD652B-H2UB	RSCR	220-60	570	663	2,263	270	2.11	2.45	8.38	FC
	SK670B-H2U	RSCR	220-60	720	837	2,858	330	2.18	2.54	8.66	FC
	SK682B-H2U	RSCR	220-60	830	965	3,295	405	2.05	2.38	8.14	FC
	SK6A1B-S2W	CSR	220-60	1,080	1,256	4,288	560	1.93	2.24	7.66	FC
	HK672B2Z	RSIR	220-60	750	872	2,978	370	2.03	2.36	8.05	FC
	HK680B2Z	RSIR	220-60	850	988	3,375	430	1.98	2.30	7.85	FC
	HK690B2Z	RSIR	220-60	950	1,105	3,772	490	1.94	2.25	7.70	FC
	HK6A1B2W	CSR	220-60	1,090	1,267	4,327	520	2.10	2.44	8.32	FC
	HK6A3B2W	CSR	220-60	1,250	1,453	4,963	650	1.92	HK6A	7.63	FC
AC 220-240V~50Hz	SD643Q-H2Z2	RSIR	230-50	370	430	1,469	197	1.88	2.18	7.46	FC
	SD652Q-H2Z2	RSIR	230-50	450	523	1,787	220	2.05	2.38	8.12	FC
	SK670Q-H2S	CSIR	230-50	600	698	2,382	310	1.94	2.25	7.68	FC
	SK670Q-H2Z	RSIR	230-50	595	692	2,362	310	1.92	2.23	7.62	FC
	SK682Q-H2Z	RSIR	230-50	700	814	2,779	365	1.92	2.23	7.61	FC
	SK6A1Q-S2S	CSIR	230-50	900	1,047	3,573	480	1.88	2.18	7.44	FC
	HK672Q2Z	RSIR	220-50	610	709	2,422	305	2.00	2.33	7.94	FC
	HK680Q2Z	RSIR	220-50	700	814	2,779	350	2.00	2.33	7.94	FC
	HK690Q2Z	RSIR	220-50	780	907	3,097	380	2.05	2.39	8.15	FC
	HK6A1Q2Z	RSIR	220-50	910	1,058	3,613	465	1.96	2.28	7.77	FC
	HK6A3Q2U	RSCR	220-50	1,050	1,221	4,169	535	1.96	2.28	7.79	FC

COOLING TYPE
FC : Fan cooling
OC : Oil cooling

MOTOR TYPE
RSIR : Resistance Start Induction Run
RSCR : Resistance Start Capacitor Run

ASHRAE CONDITIONS (HBP)
Evaporating Temp. : 7.2°C (45°F)
Condensing Temp. : 54.4°C (130°F)

UNIT CONVERSION TABLE
1 watt = 3.41 Btu/Hr
1 watt = 0.86 Kcal/Hr

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Mbsm.pro, Compresor, Samsung, HK6A3C2W, R134a, 1/3 hp++, 690 w , hbp, SDxx-SKxx-HKxx Series

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Mbsm.pro, compressor, Embraco, Aspera, 1/3 hp++, 1/2 hp–, emt2130GK

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Mbsm.pro, compressor, Embraco, Aspera, 1/3 hp++, 1/2 hp–, emt2130GK

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 TypeCompress LevelSingle-StageRefrigerant TypeFreonTypeReciprocatingPerformanceLow NoiseDrive ModeElectricPower SourceAC PowerConfigurationStationaryMaterialCopperPiston TypeClosedTrademarkTecumseh HermetiqueTransport PackagePalletSpecificationCE / RoHsOriginChinaHS Code8414301900

Product Description

Tecumseh Hermetique R134a / R404a/ R22 reciprocating compressor

Hermetique R22
HBP

For Air
Conditioning
Applications.

Features:

Anti Vibration
mounts supplied

Charged with
mineral oil and
dry nitrogen

Crankcase heater on TAG models

Fan cooling required on all models

Specifications:

Capacity Rating Basis: 35°C Ambient, 11K Return Gas Superheat, 54.5°C Condensing, 46.2°C Liquid entering Expansion Valve.

Current FLA are given at nominal voltage, rated conditions and 7.2°C Evaporating Temperature.

Motor Types:

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. cm³/rev	Motor Type	Nominal Current FLA	Exp. Device	Oil Charge cm³	Connections: inches	
cm³	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
TAG 5546E	3 3/4	90.2	3Ø	6.6	C/V	1960	7/8 Tube	1/2 Tube	3/8 Tube
TAG 5553E	4	100.7	3Ø	7.4	C/V	1960	7/8 Tube	1/2 Tube	3/8 Tube
TAG 5561E	5	112.5	3Ø	9	C/V	1960	7/8 Tube	1/2 Tube	3/8 Tube
TAG 5568E	6	124.4	3Ø	9.6	C/V	1960	7/8 Tube	1/2 Tube	3/8 Tube
TAG 5573E	6 1/2	134.8	3Ø	11	C/V	1960	7/8 Tube	1/2 Tube	3/8 Tube

Hermetique R22 M/HBP

For Medium / High Temperature Applications

Features:

Anti-Vibration mounts supplied

Charged with mineral oil and dry nitrogen

Rotalock suction valve on CAJ/TAJ models

Crankcase heater on FH/TFH and TAG models

Oil sight glass on FH/TFH and TAG models

Fan cooling required on all models

All models suit capillary tube or expansion valve operation

Rotalock suction and discharge valves on FH/TFH and TAG models

Specifications:

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. cm³/rev	Motor Type	Nominal Current FLA	Oil Charge cm³	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
TFH4525Y	2	74.25	Fan	1480
TAG4528Y	2 1/2	90.2	Fan	1960
TAG4534Y	2 3/4	100.7	Fan	1960
TAG4537Y	3	112.5	Fan	1960
TAG4543Y	3 1/2	124.4	Fan	1960

Superceded Models

Model No.	Nominal HP	Displacement: cm3/rev	Cooling	Oil Charge: ml
AEZ4425Y	1/5	7.55	Fan	450
AEZ4430Y	1/4	8.85	Fan	450
CAE4440Y	3/8	12.05	Fan	450
CAE4448Y	1/3	14.15	Fan	450
CAJ4452Y	1/3	15.2	Fan	887
CAE4456Y	1/2	16	Fan	450
CAJ4461Y	1/2	18.3	Fan	887

Tecumseh Hermetique R404A

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

Specifications:

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.)	Refrigerant	Displacement (cm^3)	Oil charge (cm3)	REFRIGERATION CAPACITY AT 50HZ Rafed 54.5℃ Cond Temp (Watts) Evaporating Temperature -25℃	-15℃	-10℃	0℃	+7.2℃	+15℃	VOLTAGE
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	1-1/4	R22	25.95	887	771	1233	1673	2727	3629	4743	220-240V/1/50Hz 400V/3/50Hz



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