

Mbsm.pro, Compressor, Refrigeration
Compressor, 270W, GFF93AA, 1/3 HP++,
FFI12HBK, TPH1410Y, F Series
200-220V/50Hz, SEBERIA Hermetic
Compressor, lbp, hbp

Category: Archivation,compressor

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Mbsm.pro, Compressor, Refrigeration Compressor, 270W, GFF93AA, 1/3 HP++, FFI12HBK, TPH1410Y, F Series 200-220V/50Hz, SEBERIA Hermetic Compressor, lbp, hbp

Mbsm.pro, Compressor, Tecumseh, AEZ4440Z, 1/3 hp ++, BIG++, HBP, R404A, 220 – 240V, 50 Hz, 1 phase, discharge: 6.69 cm³, oil type: POE, oil charge: 280 cm³, CSIR, 876 W, start capacitor: 125 uF/250V

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Mbsm.pro, Compressor, Tecumseh, AEZ4440Z, 1/3 hp ++, BIG++, HBP, R404A, 220 – 240V, 50 Hz, 1 phase, discharge: 6.69 cm³, oil type: POE, oil charge: 280 cm³, CSIR, 876 W, start capacitor: 125 uF/250V

Mbsm.pro, Compressor, KONOR, GQR90AA, R134a, 220-240V 50Hz, 10,1kg, 1/4 ++ HP, Hbp, 1/3 – hp, 220W, cake showcase, 155 L, ROYAL1306C1144, R134a, 270 g, 3.97 A, 548 w, 220 50 hz, 1 ph

Category: compressor

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Mbsm.pro, Compressor, KONOR, GQR90AA, R134a, 220-240V 50Hz, 10,1kg, 1/4 ++ HP, Hbp, 1/3 – hp, 220W, cake showcase, 155 L, ROYAL1306C1144, R134a, 270 g, 3.97 A, 548 w, 220 50 hz, 1 ph

Mbsm.pro, Compressor, Embraco, Aspera, NEK6214Z, HBP, R134a, 220 – 240V/1/50Hz, 1/2 HP, CSIR, HBP, Big ++

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Mbsm.pro, Compressor, Embraco, Aspera, NEK6214Z, HBP, R134a, 220 – 240V/1/50Hz, 1/2 HP, CSIR, HBP, Big ++

Mbsm.pro, Compressor, Tecumseh, TAH4518A, 1.5 Hp, HBp, R12, 440V 3~ 60Hz 400V 3~ 50Hz, 1684 W, 14048 btu

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Mbsm.pro, Compressor, Tecumseh, TAH4518A, 1.5 Hp, HBp, R12, 440V 3~ 60Hz 400V 3~ 50Hz, 1684 W, 14048 btu

**Mbsm.pro, COMPRESSOR, 1/3 HP ++
(big), HERMETIC, TECUMSEH, CAE4440Y,
AE4440Y, HBP, R134a, 220-240V, 50 Hz,
1 PH, CSIR**

Category: compressor

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Mbsm.pro, COMPRESSOR, 1/3 HP ++ (big), HERMETIC, TECUMSEH, CAE4440Y, AE4440Y, HBP, R134a, 220-240V, 50 Hz, 1 PH, CSIR

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

Category: compressor



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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



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Mbsm.pro, Refrigeration, Compressor,
GQR12TG, 3/8+ hp (big) ++, HBP,
1168W, 1/2 Hp (LBP) , CSIR, R134A,
Starting Capacitor 80UF, Displacement
12.0cm³

Category: compressor

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GQR12TG Freezing



The GQR12TG is a hermetic reciprocating compressor manufactured by Sikelan. It is a 3/8 HP compressor that uses R134a refrigerant. It is designed for use in commercial refrigeration applications, such as water dispensers, ice machines, and small freezers.

The GQR12TG has a displacement of 12.8 cc and a cooling capacity of 1168 W. It has a voltage rating of 220-240 V and a frequency rating of 50-60 Hz. The compressor is also equipped with a current relay for starting.

Here are some of the key features of the GQR12TG compressor:

- 3/8 HP
- R134a refrigerant
- 12.8 cc displacement
- 1168 W cooling capacity
- 220-240 V voltage
- 50-60 Hz frequency
- Current relay for starting
- High back pressure design

Vol./Freq.□	220-240V / 50-60Hz
Cooling Capacity□	1168W
C.O.P□	2.20
Horse Power□	3/8+
Refrigerant□	R134A
Application□	HBP
The Evaporating Temperature (W)□	7.2°C

- 1)GQR12TG, WZ series, use R134A refrigerant;
- 2)Voltage application 220V to 240V;
- 3)Frequency for 50/60HZ;
- 4)Motor type: CSIR;
- 5)Cooling type: Fan;
- 6)Starting device is Current Starting Relay;
- 7)Application: Middle/Hight Back Pressure;
- 8)Nominal power is 3/8+HP;
- 9)COP is 2.3 with the cooling capacity 1168W.

1. Product Performance

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- 2)Voltage application 220V to 240V;
- 3)Frequency for 50/60HZ;
- 4)Motor type: CSIR;
- 5)Cooling type: Fan;
- 6)Starting device is Current Starting Relay;
- 7)Application: Middle/Hight Back Pressure;
- 8)Nominal power is 3/8+HP;
- 9)COP is 2.2 with the cooling capacity 1168W.

Basing on Test Condition(ASHRAE)

Evaporating Temperature: -23.3 degree
 Ambient Temperature: 35 degree
 Subcooling Temperature: 46.1 degree
 Condensing Temperature: 54.4 degree
 Suction Temperature: 35 degree

2.Compressor Specification

Serial	Model	HP	(V/Hz)	Displacement (cm3)	Cooling Capacity -ASHRAE	Motor Starting type Device	Starting capacitor (uF)	Running capacitor (uF)	Cooling	Test Conditions:+7.2°C(45F) 10°C(50F)															
										-15°C(5F)	-10°C(10F)	-5°C(23F)	0°C(32F)	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h	W	Btu/h
L	GQR30TG	1/10	220V/50Hz	3.0	115	392	145	495	185	631	230	785	310	1050	140	0.9	2.2	7.56	365	1245	RSIR	PTC/Current Starting Relay	/	/	F
	GQR35TG	1/9	220V/50Hz	3.5	135	461	175	597	195	285	972	430	1467	195	1.1	2.2	7.52	475	1621	RSIR	/	/	/	F	
MS	GQR45TG	1/6	220V/50Hz	4.5	176	601	230	785	280	955	350	1194	480	1638	220	1.2	2.2	7.44	525	1791	RSIR	PTC/Current Starting Relay	/	/	F
	GQR55TG	1/6+	220V/50Hz	5.5	188	641	245	836	310	1058	390	1331	525	1791	250	1.3	2.1	7.17	575	1962	RSIR	/	/	F	
MK	GQR60TG	1/4	220V/50Hz	6.5	258	880	335	1143	435	1484	545	1860	665	2269	290	1.7	2.3	7.82	705	2405	RSIR	PTC/Current Starting Relay	/	/	F
	GQR70TG	1/4	220V/50Hz	7.0	285	972	370	1262	480	1638	595	2030	720	2457	340	1.9	2.1	7.23	765	2610	RSIR	/	/	F	
	GQR80TG	1/4+	220V/50Hz	8.0	324	1105	420	1433	550	1877	680	2320	810	2764	370	2.0	2.2	7.47	855	2917	RSIR	/	/	F	
	GQR90TG	1/3-	220V/50Hz	9.1	365	1245	474	1617	621	2119	768	2620	910	3105	420	2.2	2.2	7.39	955	3258	RSIR	/	/	F	
WZ	GQR80TG	1/4+	220V/50Hz	8.0	324	1105	420	1433	550	1877	680	2320	810	2764	370	2.0	2.2	7.47	855	2917	CSIR	Current Starting Relay	/	/	80 / F
	GQR90TG	1/3-	220V/50Hz	9.1	365	1245	474	1617	621	2119	768	2620	910	3105	420	2.2	2.2	7.39	955	3258	CSIR	80	/	F	
	GQR11TG	3/8	220V/50Hz	11.0	412	1406	536	1829	702	2395	868	2962	1034	3528	450	2.7	2.3	7.84	1079	3682	CSIR	80	/	F	
	GQR12TG	3/8+	220V/50Hz	12.8	467	1593	606	2068	793	2706	981	3347	1168	3985	530	3.2	2.2	7.52	1208	4122	CSIR	80	/	F	
	GQR14TG	1/2	220V/50Hz	14.2	527	1798	685	2337	896	3057	1108	3780	1320	4504	580	3.4	2.3	7.77	1365	4657	CSIR	80	/	F	
	GQR16TG	1/2+	220V/50Hz	15.3	580	1979	754	2573	1012	3453	1252	4272	1492	5091	640	3.8	2.3	7.95	1535	5237	CSIR	80	/	F	
	GQR19TG	3/4	220V/50Hz	19.0	755	2576	940	3207	1175	4009	1255	4282	1850	6312	804	4.5	2.3	7.85	1895	6466	CSIR	80	/	F	

KONOR	Displ.	power	Motor type	V/Hz	Cooling capacity	Net Weight	KG
GQR60AA	6	1/6	RSIR	220-240V/50Hz	140	9.4	
GQR70AA	6.6	1/5	RSIR	220-240V/50Hz	165	9.4	
GQR80AA	8.1	1/4	RSIR	220-240V/50Hz	198	9.4	
GQR90AA	9.1	1/4	RSIR	220-240V/50Hz	220	10.1	
GQY99AA	9.9	1/4	RSIR	220-240V/50Hz	270	10.9	

GQY12AF	11.8	1/3	CSIR	220-240V/50Hz	325	10.56
GQY16AF	16.2	3/8	CSIR	220-240V/50Hz	380	12.1
GP16MG	16.2	5/8	CSIR	220-240V/50Hz	870	12.5
GP12MG	11.8	5/8	CSIR	220-240V/50Hz	656	10.9
GP12TG	11.8	3/8	CSIR	220-240V/50Hz	1140	11.8
GQR80TG	8.1	1/4	CSIR	220-240V/50Hz	730	9.8
GQR90TG	9.1	1/4	CSIR	220-240V/50Hz	830	10.5
GQR60TG	6	1/5	CSIR	220-240V/50Hz	520	9.8



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153	L QD35HG	1/11	3,5			75	шт	16720
154	ML ADW51	1/6	5,1			125	шт	19360
155	ML ADW57	1/5-	5,7			135	шт	19800
156	ML ADW66	1/4-	6,6			165	шт	0
157	MX ADW77	1/4	7,7			185	шт	0
158	MX ADW86	1/4+	8,6			200	шт	23760
159	MX ADW91	1/3-	9,1			220	шт	0
160	MQ ADW110	1/3	11,0			270	шт	0
161	MQ ADW128	3/8+	12,8			320	шт	27720
162	MQ ADW142	1/2-	14,2			350	шт	28600
163	MQ ADW153	1/2	15,3			380	шт	29040
164	MQ ADW168	1/2+	16,8			430	шт	29480
№	Модель HBP R134a	HP	см3/час	Мотор	Обмотка	Мощность, ватт 7,2/54,4С	Ед. изм.	Цена, тг.
165	MQ GQR12TG	3/8+	12,7	SIR	медь (Cu)	1300	шт	29480
166	MQ GQR14TG	1/2	14,3			1450	шт	30800
167	MQ GQR16TG	1/2+	15,3			1490	шт	32120
№	Модель LBP R404a	HP	см3/час	Мотор	Обмотка	Мощность, ватт -23,3/54,4С	Ед. изм.	Цена, тг.
168	MQ GQR80K	1/3+	8,0	CSIR	медь (Cu)	465	шт	30800
169	MQ GQR90K	1/2-	9,0			515	шт	31680
170	MD GQR11K	1/2	11,0			565	шт	0
171	MD GQR12K	3/4	12,1			640	шт	45320
172	MD GQR14K	3/4	14,3	CSR	750	шт	47080	
173	MD GQR16K	4/5	16,2		850	шт	47960	
174	MD GQR19K	7/8	19,0		920	шт	49280	

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RUVH® CBB65-B (RoHS)
80µF±5% 330V 1min/1.67%
15µF±5% 450V B S2 SH
40/85/21



50/60Hz



Ningguo

Yuhua

Types of Electrical Motors, RSIR, CSIR, RSCR, CSR, PTC, NTC, LST, HST, MBP, HBP, LBP

Category: compressor, Files

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Types of Electrical Motors

RSIR (Resistance Start-Induction Run)

LST motor. No capacitors. Auxiliary winding is disconnected after start up. Standard energy efficiency.

CSIR (Capacitor Start-Induction Run)

HST motor. With starting capacitor. Auxiliary winding is disconnected after start up. Standard efficiency.

RSCR (Resistance Start-Capacitor Run)

LST motor. With running capacitor. Auxiliary winding remains connected after start up. Used for high efficiency in small capacity compressors (particularly in household refrigeration)

CSR (Capacitor Start and Run)

HST motor. Two capacitors (starting and running). Auxiliary winding remains connected after start up. Used for high efficiency in small compressors and for size reduced size motors in compressors with comparatively large displacements.



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Type of starting device

Current relay – (electromechanical). RSIR/CSIR motors and CSR low/medium-power motors with NTC (the NTC is connected in series with the starting capacitor and the main purpose is to reduce the current peaks in the relay contacts)

Potential relay – (electromechanical). CSR high-power motors.

PTC – (Positive Temperature Coefficient), the resistance increases with the temperature. Device only with RSIR or RSCR motors in the (Small L, B), L and P ranges.

NTC – (Negative Temperature Coefficient), the resistance decreases with the temperature. Used in some CSR in order to reduce dimensions and components.

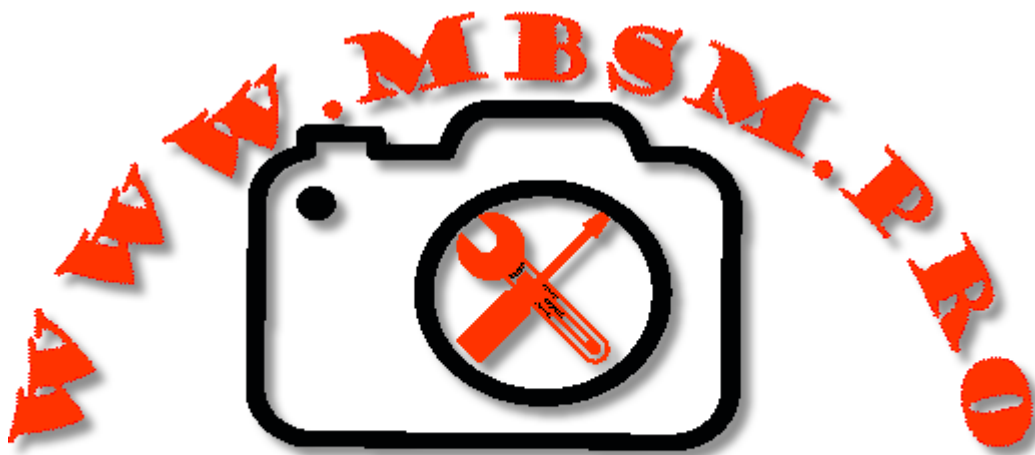
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Type of torque

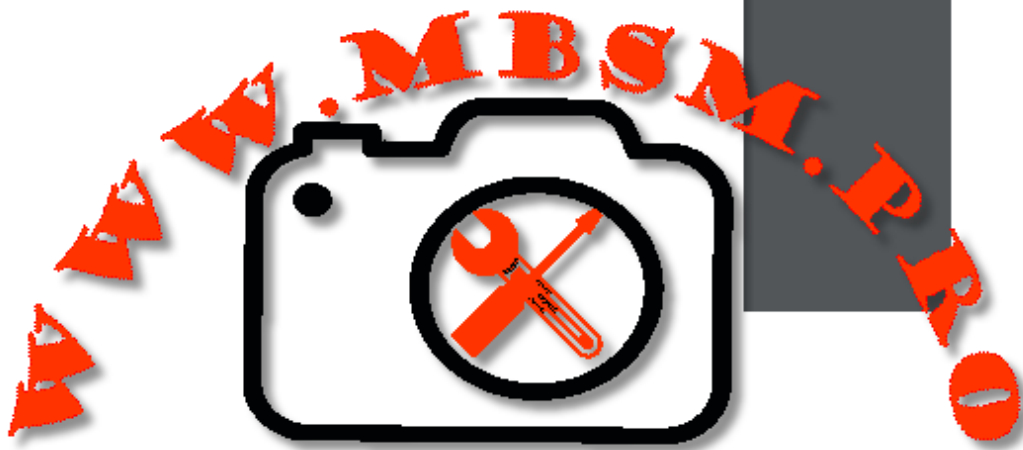
LST – Low Starting Torque – Systems with capillary tube or balanced pressures at start up.

HST – High Starting Torque – Systems with expansion valve or capillary tube, with unbalanced pressures at start up.

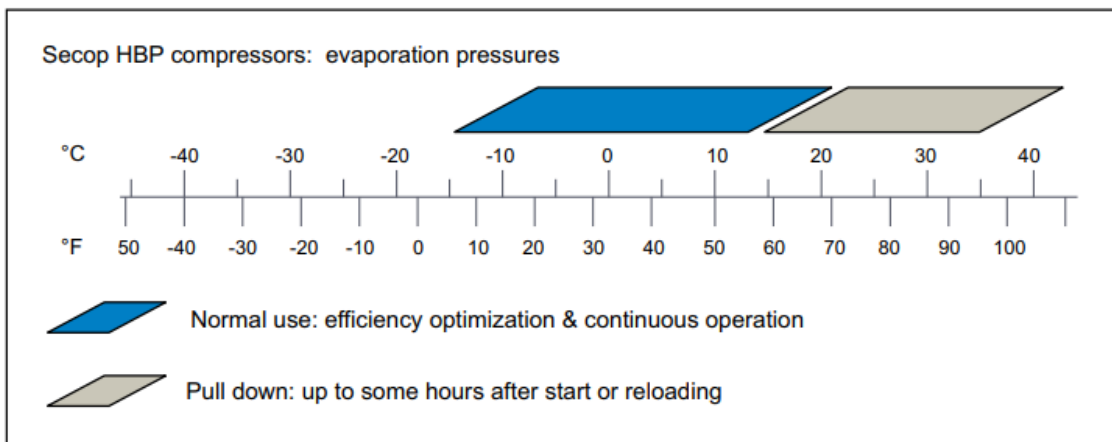
Type of torque

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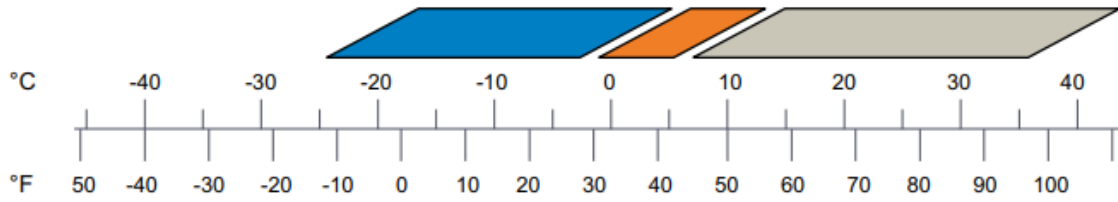





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Secop MBP compressors: evaporation pressures

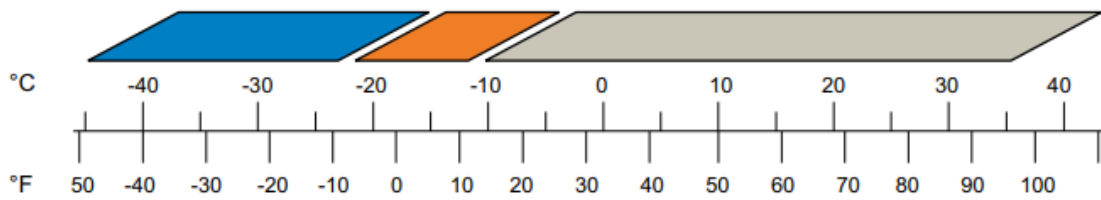





-  Normal use: efficiency optimization & continuous operation
-  High load: continuous operation
-  Pull down: up to some hours after start or reloading



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Secop LBP compressors: evaporation pressures



-  Normal use: efficiency optimization & continuous operation
-  High load: continuous operation
-  Pull down: short time operation (<60min.) after start or defrost



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Tecumseh, Compressor, 5/8HP, HMBP – R404A , R448A , R449A, MBP, CAJ9480Z, 230V

Category: compressor

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Caractéristiques techniques

- Marque : TECUMSEH UNITÉ HERMÉTIQUE
- Modèle : CAJ9480Z-R
- CYLINDRÉE (CM³)15,2
- FLUIDER404A , R448A , R449A
- APPLICATIONHMBP
- PLAGÉ D'APPLICATION-25/+15
- PUISSANCE (W)1159
- PUISSANCE FRIGORIFIQUE (TK+40°C)15/3350 5/2355 -10/1294 -25/609
- TENSION (V)240/1/50
- DÉMARRAGECSR
- I.MAX (A)6,7
- Ø ASPIRATION1/2
- Ø REFOULEMENT5/16
- DIMENSIONS (MM)235x178x280
- Gaz: **R-404a**
- Température/Pression: **Haute Pression**
- Puissance: **5/8 HP**

- Voltage: **230 V**
- Type De Courant: **Monophasé**
- Fréquence: **50 Hz**
- Type De Compresseur: **Hermétique**
- Décalage: **15.2 cm³**
- Cons.Énergie -25°C: **496 W**
- Cons.Énergie -10°C: **669 W**
- Cons.Énergie -5°C: **718 W**
- Cons.Énergie 0°C: **762 W**
- Cons.Énergie +5°C: **798 W**
- Cons.Énergie +10°C: **828 W**
- T° De Condensation: **40 °C**
- Capacité Frigorifique -25°C: **524 Kcal/h**
- Capacité Frigorifique -20°C: **692 Kcal/h**
- Capacité Frigorifique -15°C: **887 Kcal/h**
- Capacité Frigorifique -10°C: **1113 Kcal/h**
- Capacité Frigorifique -5°C: **1374 Kcal/h**
- Capacité Frigorifique 0°C: **1677 Kcal/h**
- Capacité Frigorifique 5°C: **2025 Kcal/h**
- Capacité Frigorifique 10°C: **2425 Kcal/h**
- Tipo Test: **EN.12900**

Compresseur L'unité Hermetique – Tecumseh CAJ9480Z – R404A, R449A, R407A, R452A
220 – 240V 1~ 50 Hz

Cylindrée = 15.2 CM3

APPLICATIONS = HBP / MHBP

Moteur type: CSR





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Compresseur AJ = Le produit de référence associant silence, fiabilité et

efficacité du froid commercial.

Product Code	Model Number	Compressor Horsepower	Compressor Displacement	Cooling Oil Charge
	CAJ9480Z-FZ	5/8 HP	15.2 cm ³ /rev	Fan 475 ml
	CAJ9510Z-FZ	1 HP	18.3 cm ³ /rev	Fan 475 ml
	CAJ9513Z-FZ	1 1/8 HP	24.2 cm ³ /rev	Fan 475 ml
	CAJ4517Z-FZ	1.25 HP	25.95 cm ³ /rev	Fan 475 ml
	TAJ4517Z-TZ	1.25 HP	25.95 cm ³ /rev	Fan 475 ml
	CAJ4519Z-FZ	1.5 HP	34.45 cm ³ /rev	Fan 475 ml
	TAJ4519Z-TZ	1.5 HP	34.45 cm ³ /rev	Fan 475 ml