

Model: AJ4492A-FZ1B

Product Description

Type:	Reciprocating Compressors
Application:	HBP - High Back Pressure
ProductDescription:	R-12
Voltage/Frequency:	220-240V ~ 50Hz
Version:	N/A



Product Specifications

Performance

Condition	Test Voltage	Refrigeration Capacity			Input Power (I) W	(E) Efficiency			EVAP TEMP	Condition	AMBIENT TEMP	RETURN GAS	LIQUID TEMP
		(R) Btu/h	(R) kcal/h	(R) W		(E) Btu/Wh	(E) kcal/Wh	W/W					
EN12900	220V ~ 50HZ	7045	1775	2064	982	7.17	1.8	2.1	5°C (41°F)	50°C (122°F)	32°C (90°F)	20°C (68°F)	50°C (122°F)

General

Evaporating Temp. Range:	-15°C to 15°C (5°F to 59°F)
Motor Torque:	High Start Torque (HST)
Compressor Cooling:	Fan

Mechanical

Weight:	19
Weight Unit of Measure:	KG
Displacement (cc):	25.95
Oil Type:	Mineral
Viscosity (cSt):	68
Oil Charge (cc):	475

Electrical

Voltage Range (50 Hz):	198-253
Voltage Range (60 Hz):	
Locked Rotor Amps (LRA):	29
Rated Load Amps (RLA 50 Hz):	5.3
Rated Load Amps (RLA 60 Hz):	0
Max. Continuous Current (MCC in Amps):	0
Motor Resistance (Ohm) - Main:	2.1

Motor Resistance (Ohm) - Start: 14.1
Motor Type: CSIR
Overload Type:
Relay Type:

[Agency Approval](#)

CE Listed, GOST RUSSIA Listed, GOST UKRAINE Listed

AJ4492A-FZ1B
General

Model	AJ4492A-FZ1B	Unit of Measure	Celsius
Condition	Tecumseh Europe	Voltage/Frequency	220V ~ 50HZ
RETURN GAS	10K (18°F) SUPERHEAT	MotorType	CSIR

Performance Information

EVAP TEMP (°C)	Condensing Temperature (°C)								
		30	35	40	45	50	55	60	65
-6.7	Watts (Capacity)	1630	1550	1480	1410	1340	1270	1210	1140
	Watts (Power)	719	741	762	783	803	823	844	865
	Amps	4.74	4.81	4.89	4.98	5.06	5.15	5.23	5.31
-5	Watts (Capacity)	1750	1670	1590	1520	1450	1380	1310	1240
	Watts (Power)	735	760	784	807	830	853	877	901
	Amps	4.78	4.87	4.96	5.05	5.15	5.25	5.34	5.44
0	Watts (Capacity)	2130	2040	1960	1880	1800	1730	1650	1570
	Watts (Power)	779	812	845	877	908	939	971	1000
	Amps	4.90	5.02	5.15	5.28	5.41	5.54	5.67	5.80
5	Watts (Capacity)	2560	2460	2370	2280	2190	2110	2030	1940
	Watts (Power)	817	860	901	942	982	1020	1060	1100
	Amps	5.03	5.18	5.35	5.51	5.68	5.84	6.01	6.17
7.2	Watts (Capacity)	2760	2650	2560	2470	2380	2290	2200	2110
	Watts (Power)	833	879	925	969	1010	1060	1100	1140
	Amps	5.08	5.25	5.43	5.61	5.79	5.98	6.16	6.34
10	Watts (Capacity)	3020	2910	2810	2720	2620	2530	2440	2340
	Watts (Power)	851	903	953	1000	1050	1100	1150	1200
	Amps	5.15	5.35	5.54	5.74	5.95	6.15	6.35	6.55
15	Watts (Capacity)	3530	3410	3300	3190	3090	2990	2880	2780
	Watts (Power)	879	940	1000	1060	1120	1170	1230	1290
	Amps	5.28	5.51	5.74	5.98	6.22	6.46	6.70	6.94

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.904744E+03	5.331037E+02	4.333101E+00	
C2	9.122469E+01	-2.801003E+00	-1.623457E-02	
C3	-3.505045E+01	9.913774E+00	1.267755E-02	
C4	9.232768E-01	-1.258606E-01	-8.156460E-05	
C5	-3.634830E-01	3.796139E-01	1.348845E-03	
C6	3.820125E-01	-7.170390E-02	2.609930E-04	
C7	-1.000000E-16	0.000000E+00	0.000000E+00	
C8	-3.159228E-03	8.778360E-04	3.394170E-06	
C9	4.920000E-04	-4.190000E-04	5.730000E-07	
C10	-2.430000E-03	4.680000E-04	-1.670000E-06	

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

T_c = Condensing Temperature