



Model: AJE4476YGZ (CAJ4476Y)

Product Description

Type: Reciprocating
Application: HBP - High Back Pressure
Refrigerant: R-134a
Voltage/Frequency: 208-220V ~ 50Hz
Version: N/A

Product Specifications

Performance

Condition	Test Voltage	Refrigeration Capacity			Input Power	Efficiency			EVAP TEMP	COND TEMP	AMBIENT TEMP	RETURN GAS	LIQUID TEMP
		Btu/h	kcal/h	W	W	Btu/Wh	kcal/Wh	W/W					
EN12900	220V ~ 50HZ	6471	1631	1896	754	8.58	2.16	2.51	5°C (41°F)	45°C (113°F)	32°C (90°F)	15°C (59°F)	45°C (113°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: 20
Weight Unit of Measure: KG
Displacement (cc): 21.75
Oil Type: Polyolester
Viscosity (cSt): 32
Oil Charge (cc): 782

Electrical

Voltage Range (50 Hz): 187-242
Voltage Range (60 Hz): N/A
Locked Rotor Amps (LRA): 23
Rated Load Amps (RLA 50 Hz): 5
Rated Load Amps (RLA 60 Hz): 5
Max. Continuous Current (MCC in Amps): 6.5
Motor Resistance (Ohm) - Main: 2.7
Motor Resistance (Ohm) - Start: 13.6
Motor Type: CSIR
Overload Type: N/A
Relay Type: N/A

Agency Approval

CE Listed, GOST RUSSIA Listed, GOST UKRAINE Listed



Tecumseh

Performance Data Sheet

AJE4476YGZ

General Information

Model	AJE4476YGZ	Refrigerant	R-134a
Test Condition	Tecumseh Europe	Performance Test Voltage	220V ~ 50HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	Motor Type	CSIR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)							
		30	35	40	45	50	55	60	65
-6.7	Watts (Capacity)	1490	1380	1260	1150	1030	920	806	692
	Watts (Power)	575	586	597	609	620	631	642	654
	Amps	4.21	4.25	4.29	4.33	4.38	4.42	4.46	4.50
-5	Watts (Capacity)	1630	1510	1380	1260	1140	1020	897	775
	Watts (Power)	591	605	618	632	646	660	673	687
	Amps	4.24	4.29	4.34	4.40	4.45	4.50	4.55	4.61
0	Watts (Capacity)	2070	1930	1780	1640	1490	1340	1200	1050
	Watts (Power)	630	652	674	697	719	741	763	785
	Amps	4.32	4.40	4.49	4.58	4.67	4.76	4.85	4.93
5	Watts (Capacity)	2590	2410	2240	2070	1900	1720	1550	1380
	Watts (Power)	657	690	722	754	786	818	851	883
	Amps	4.37	4.50	4.63	4.76	4.90	5.03	5.16	5.29
7.2	Watts (Capacity)	2830	2650	2460	2280	2090	1910	1720	1540
	Watts (Power)	666	703	740	777	814	851	888	925
	Amps	4.38	4.54	4.69	4.84	5.00	5.15	5.31	5.46
10	Watts (Capacity)	3160	2960	2760	2560	2360	2160	1960	1760
	Watts (Power)	673	717	761	804	848	892	936	979
	Amps	4.39	4.58	4.76	4.95	5.13	5.31	5.50	5.68
15	Watts (Capacity)	3810	3570	3340	3110	2880	2650	2410	2180
	Watts (Power)	677	734	791	848	904	961	1020	1080
	Amps	4.40	4.64	4.88	5.13	5.37	5.62	5.86	6.11

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.950000E+03	4.970000E+02	3.790000E+00	
C2	1.260000E+02	-4.400000E+00	-3.470000E-02	
C3	-2.920000E+01	4.430000E+00	1.750000E-02	

C4	1.590000E+00	-4.240000E-01	-1.500000E-03	
C5	-1.010000E+00	3.690000E-01	1.590000E-03	
C6	-2.730000E-05	9.580000E-05	1.580000E-06	
C7	0.000000E+00	0.000000E+00	0.000000E+00	
C8	-9.140000E-03	6.280000E-03	3.280000E-05	
C9	1.080000E-05	-7.130000E-06	-8.560000E-09	
C10	-2.000000E-16	-1.000000E-16	0.000000E+00	

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

Te = Evaporator Temperature

Tc = Condensing Temperature