

## AJE4511YTZ

### General

Model	AJE4511YTZ	Unit of Measure	Celsius
Condition	EN12900()	Voltage/Frequency	400V3~ 50HZ
RETURN GAS		MotorType	3PH

### Performance Information

EVAP TEMP (°C)	Condensing Temperature (°C)								
		30	35	40	45	50	55	60	65
-6.7	Watts (Capacity)	2210	2060	1910	1750	1590	1430	1270	1120
	Watts (Power)	721	758	792	824	852	877	897	913
	Amps	1.59	1.63	1.67	1.71	1.74	1.77	1.80	1.82
-5	Watts (Capacity)	2380	2230	2070	1900	1730	1560	1390	1230
	Watts (Power)	743	782	819	854	886	915	940	961
	Amps	1.62	1.67	1.71	1.75	1.79	1.82	1.86	1.89
0	Watts (Capacity)	2970	2780	2590	2390	2180	1970	1770	1560
	Watts (Power)	807	853	899	943	986	1030	1060	1100
	Amps	1.70	1.76	1.82	1.87	1.93	1.98	2.03	2.07
5	Watts (Capacity)	3640	3420	3190	2950	2700	2450	2200	1960
	Watts (Power)	874	926	979	1030	1080	1140	1190	1230
	Amps	1.78	1.85	1.93	2.00	2.07	2.13	2.20	2.26
7.2	Watts (Capacity)	3970	3730	3480	3220	2960	2690	2420	2150
	Watts (Power)	904	959	1020	1070	1130	1180	1240	1290
	Amps	1.81	1.89	1.97	2.05	2.13	2.20	2.28	2.35
10	Watts (Capacity)	4410	4150	3880	3600	3310	3010	2710	2410
	Watts (Power)	944	1000	1060	1120	1190	1250	1310	1370
	Amps	1.86	1.95	2.04	2.12	2.21	2.29	2.37	2.45
15	Watts (Capacity)	5300	4990	4670	4340	4000	3650	3300	2940
	Watts (Power)	1020	1080	1150	1220	1290	1360	1430	1500
	Amps	1.94	2.04	2.15	2.25	2.35	2.45	2.55	2.64

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.720000E+03	5.570000E+02	1.290000E+00	
C2	1.570000E+02	9.910000E+00	-3.190000E-03	
C3	-1.120000E+01	6.820000E+00	1.490000E-02	
C4	2.450000E+00	1.200000E-01	2.740000E-05	
C5	-8.620000E-01	-3.490000E-02	6.250000E-04	
C6	-5.720000E-01	7.470000E-02	-4.360000E-05	
C7	1.240000E-02	2.020000E-03	0.000000E+00	
C8	-2.100000E-02	-2.530000E-03	0.000000E+00	
C9	-6.650000E-03	4.650000E-03	0.000000E+00	
C10	3.600000E-03	-7.920000E-04	0.000000E+00	

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

Te = Evaporator Temperature

$T_c$  = Condensing Temperature



## Performance Data Sheet

### AJE4511YTZ

#### General

Model	AJE4511YTZ	Unit of Measure	Celsius
Condition	EN12900()	Voltage/Frequency	440V3~ 60HZ
RETURN GAS		MotorType	3PH

#### Performance Information

EVAP TEMP (°C)	Condensing Temperature (°C)								
		30	35	40	45	50	55	60	65
-6.7	Watts (Capacity)	2550	2380	2210	2030	1850	1660	1470	1260
	Watts (Power)	892	934	974	1010	1040	1050	1060	1060
	Amps	1.61	1.66	1.70	1.73	1.76	1.78	1.80	1.81
-5	Watts (Capacity)	2750	2570	2390	2210	2010	1820	1620	1410
	Watts (Power)	921	967	1010	1050	1080	1110	1130	1130
	Amps	1.65	1.70	1.75	1.79	1.82	1.85	1.87	1.89
0	Watts (Capacity)	3400	3180	2970	2750	2530	2310	2080	1840
	Watts (Power)	1010	1060	1120	1170	1220	1260	1300	1330
	Amps	1.77	1.84	1.90	1.95	2.00	2.05	2.08	2.11
5	Watts (Capacity)	4130	3880	3620	3370	3110	2840	2580	2310
	Watts (Power)	1110	1170	1220	1280	1350	1410	1460	1520
	Amps	1.89	1.97	2.05	2.12	2.19	2.25	2.30	2.35
7.2	Watts (Capacity)	4490	4210	3940	3660	3380	3100	2810	2530
	Watts (Power)	1160	1210	1270	1340	1400	1470	1530	1590
	Amps	1.94	2.03	2.12	2.20	2.27	2.34	2.40	2.45
10	Watts (Capacity)	4970	4670	4360	4050	3750	3440	3130	2820
	Watts (Power)	1230	1280	1340	1410	1480	1550	1620	1690
	Amps	2.01	2.11	2.21	2.30	2.38	2.45	2.52	2.59
15	Watts (Capacity)	5920	5550	5190	4820	4460	4100	3740	3370
	Watts (Power)	1370	1420	1470	1540	1610	1690	1780	1860
	Amps	2.14	2.26	2.37	2.47	2.57	2.67	2.75	2.83

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.600000E+03	8.160000E+02	1.230000E+00	
C2	1.920000E+02	2.720000E+01	4.010000E-03	
C3	-3.880000E+01	8.330000E-01	2.160000E-02	
C4	2.810000E+00	6.480000E-01	1.010000E-04	
C5	-1.970000E+00	-6.640000E-01	6.500000E-04	
C6	-3.610000E-02	2.570000E-01	-1.230000E-04	
C7	1.220000E-02	8.530000E-03	0.000000E+00	
C8	-3.370000E-02	-1.480000E-02	0.000000E+00	
C9	6.150000E-03	1.280000E-02	0.000000E+00	
C10	-2.990000E-04	-2.270000E-03	0.000000E+00	

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

Te = Evaporator Temperature

$T_c$  = Condensing Temperature