Technical Data Sheet

9/6/2016

Model: AJE4492YGZ (CAJ4492Y)

Product Description

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

Product Specifications

Performance

		Refrigeration Capacity			Input Power	Efficiency			EVAP TEMP	COND TEMP	AMBIENT TEMP	RETURN GAS	LIQUID TEMP
Condition	Test Voltage	Btu/h	kcal/h	W	W	Btu/Wh	kcal/Wh	W/W					
EN12900	220V ~ 50HZ	7611	1918	2230	887	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:	21
Weight Unit of Measure:	KG
Displacement (cc):	25.95
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):	29
Rated Load Amps (RLA 50 Hz):	6.1
Rated Load Amps (RLA 60 Hz):	6.1
Max. Continuous Current (MCC in Amps):	9.2
Motor Resistance (Ohm) - Main:	2.09
Motor Resistance (Ohm) - Start:	12
Motor Type:	CSIR
Overload Type:	N/A
Relay Type:	N/A

Agency Approval

CE Listed, GOST RUSSIA Listed

Performance Data Sheet

AJE4492YGZ

General Information

Model	AJE4492YGZ	**Refrigerant**	R-134a
Test Condition	EN12900	**Performance Test Voltage**	220V ~ 50HZ
Return Gas	20°C (68°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-6.7	Watts (Capacity)	1710	1470	1200	913
	Watts (Power)	643	700	740	760
	Amps	5.24	5.36	5.50	5.66
-5	Watts (Capacity)	1850	1590	1310	1010
	Watts (Power)	658	722	770	800
	Amps	5.29	5.43	5.60	5.78
0	Watts (Capacity)	2300	2000	1670	1330
	Watts (Power)	699	782	854	913
	Amps	5.42	5.64	5.89	6.16
5	Watts (Capacity)	2830	2470	2090	1690
	Watts (Power)	738	839	934	1020
	Amps	5.56	5.87	6.20	6.55
7.2	Watts (Capacity)	3080	2700	2290	1860
	Watts (Power)	754	863	967	1070
	Amps	5.63	5.97	6.34	6.73
10	Watts (Capacity)	3420	3010	2560	2100
	Watts (Power)	775	893	1010	1120
	Amps	5.72	6.10	6.52	6.95
15	Watts (Capacity)	4110	3620	3110	2580
	Watts (Power)	812	945	1080	1220
	Amps	5.88	6.35	6.85	7.36

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.003382E+03	4.128603E+02	4.878657E+00	
C2	1.241004E+02	3.000985E+00	-2.171076E-02	
C3	-1.613594E+01	9.960745E+00	1.455105E-02	

C4	1.885890E+00	4.675286E-03	2.270509E-04	
C5	-8.586971E-01	1.603983E-02	1.640438E-03	
C6	-2.799344E-01	-7.876815E-04	1.139482E-04	
C7	9.233597E-03	1.354570E-03	0.000000E+00	
C8	-1.628847E-02	-1.867973E-03	0.000000E+00	
C9	-1.393275E-03	5.002298E-03	0.000000E+00	
C10	1.388808E-03	-4.390953E-04	0.000000E+00	

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

Tc = Condensing Temperature