

Model: AJA9484EXD

Product Description

Type:	Reciprocating Compressors
Application:	CBP - Commercial Back Pressure
ProductDescription:	R-22
Voltage/Frequency:	208-230V ~ 60Hz 200V ~ 50Hz
Version:	N/A



Product Specifications

Performance

		Refrigeration Capacity			Input Power	(E) Efficiency			EVAP		AMBIENT	RETURN	LIQUID
Condition	Test Voltage	(R) Btu/h	(R) kcal/h	(R) W	(I) W	(E) Btu/Wh	(E) kcal/Wh	W/W	TEMP	Condition	TEMP	GAS	TEMP
ASHRAE (R-22)	230V ~ 60HZ	8400	2117	2461	1415	5.94	1.5	1.74	-6.7°C (20°F)	54°C (130°F)	35°C (95°F)	35°C (95°F)	46°C (115°F)

General

Evaporating Temp. Range:	-17.8°C to 10°C (0°F to 50°F)
Motor Torque:	High Start Torque (HST)
Compressor Cooling:	Fan

Mechanical

Weight:	54
Weight Unit of Measure:	LB
Displacement (cc):	26.122
Oil Type:	Polyolester
Viscosity (cSt):	32
Oil Charge (cc):	664

Electrical

Voltage Range (50 Hz):	180-220
Voltage Range (60 Hz):	187-254
Locked Rotor Amps (LRA):	54
Rated Load Amps (RLA 50 Hz):	0
Rated Load Amps (RLA 60 Hz):	6.9
Max. Continuous Current (MCC in Amps):	12.8
Motor Resistance (Ohm) - Main:	1.23

Motor Resistance (Ohm) - Start: 2.71
MotorType: CSR
Overload Type:
Relay Type:

Agency Approval

cURus Recognized

AJA9484EXD

General

Model	AJA9484EXD	Unit of Measure	Fahrenheit
Condition	ASHRAE	Voltage/Frequency	230V ~ 60HZ
RETURN GAS	4.4°C (40°F) RETURN GAS	MotorType	CSR

Performance Information

EVAP TEMP (°F)	Condensing Temperature (°F)				
		100	110	120	130
0	Btu/h	6610			
	Watts	1040			
	Amps	5.34			
	Lb/h	86.8			
5	Btu/h	7660	6830		
	Watts	1100	1130		
	Amps	5.57	5.70		
	Lb/h	101	93.7		
10	Btu/h	8710	7940	7170	
	Watts	1160	1200	1240	
	Amps	5.76	5.98	6.15	
	Lb/h	115	109	103	
15	Btu/h	9870	9110	8260	7410
	Watts	1200	1260	1310	1350
	Amps	5.96	6.21	6.44	6.62
	Lb/h	131	126	119	112
20	Btu/h	11300	10400	9450	8400
	Watts	1240	1310	1370	1420
	Amps	6.19	6.45	6.70	6.90
	Lb/h	150	145	137	128

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	8.290129E+03	3.167273E+03	6.762146E+00	6.995866E+01
C2	-8.382420E+02	-6.072196E+01	-9.916915E-02	-1.337378E+01
C3	1.779910E+02	-5.890128E+01	-7.102963E-02	2.785170E+00
C4	1.117725E+01	2.688031E-01	6.167418E-03	1.386712E-01
C5	1.712313E+01	1.042917E+00	3.448438E-04	2.607109E-01
C6	-3.059076E+00	5.349761E-01	9.581966E-04	-4.069775E-02
C7	1.466783E-01	7.581615E-03	5.354254E-05	1.981537E-03
C8	-1.331779E-01	-6.241584E-03	-7.770656E-05	-1.651961E-03
C9	-6.574345E-02	-2.943564E-03	1.179427E-05	-9.800639E-04
C10	1.111349E-02	-1.584904E-03	-3.903532E-06	1.452850E-04

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

Te = Evaporator Temperature

Tc = Condensing Temperature

