

Model: AHC2466ZFZ (FH2480Z)

Product Description

Type: Reciprocating
Application: LBP - Low Back Pressure
Refrigerant: R-404A
Voltage/Frequency: 220-240V ~ 50Hz
Version: N/A



Product Specifications

Performance

Condition	Test Voltage	Refrigeration Capacity			Input Power W	Efficiency			EVAP TEMP	COND TEMP	AMBIENT TEMP	RETURN GAS	LIQUID TEMP
		Btu/h	kcal/h	W		Btu/Wh	kcal/Wh	W/W					
EN12900	230V ~ 50HZ	2898	730	849	1227	2.36	.59	.69	-35°C (-31°F)	40°C (104°F)	32°C (90°F)	-25°C (-13°F)	40°C (104°F)

General

Evaporating Temp. Range: -40°C to -12.2°C (-40°F to 10°F)
Motor Torque: High Start Torque (HST)
Compressor Cooling: Fan

Mechanical

Weight: 38
Weight Unit of Measure: KG
Displacement (cc): 53.2
Oil Type: Polyolester
Viscosity (cSt): 32
Oil Charge (cc): 1625

Electrical

Voltage Range (50 Hz): 198-253
Voltage Range (60 Hz): N/A
Locked Rotor Amps (LRA): 68
Rated Load Amps (RLA 50 Hz): 7.8
Rated Load Amps (RLA 60 Hz): 0
Max. Continuous Current (MCC in Amps): 16
Motor Resistance (Ohm) - Main: .95
Motor Resistance (Ohm) - Start: 4.4
Motor Type: CSR
Overload Type: N/A
Relay Type: N/A

Agency Approval

CCC Listed, CE Listed, GOST RUSSIA Listed, IRAM
 Listed, NF Listed, VDE Listed



Tecumseh

Performance Data Sheet

AHC2466ZFZ

General Information

Model	AHC2466ZFZ	Refrigerant	R-404A
Test Condition	EN12900	Performance Test Voltage	230V ~ 50HZ
Return Gas	20°C (68°F) RETURN GAS	Motor Type	CSR

Performance Information

Evap Temp (°C)	Condensing Temperature (°C)				
		30	40	50	60
-40	Watts (Capacity)	998	668	324	
	Watts (Power)	1060	1010	907	769
	Amps	4.87	4.40	3.75	2.90
-35	Watts (Capacity)	1460	1090	708	321
	Watts (Power)	1250	1230	1160	1050
	Amps	5.67	5.39	4.93	4.27
-30	Watts (Capacity)	1990	1580	1140	686
	Watts (Power)	1450	1450	1410	1340
	Amps	6.50	6.41	6.13	5.66
-25	Watts (Capacity)	2620	2140	1620	1090
	Watts (Power)	1640	1680	1680	1630
	Amps	7.34	7.44	7.36	7.08
-23.3	Watts (Capacity)	2850	2340	1800	1240
	Watts (Power)	1710	1760	1770	1740
	Amps	7.64	7.80	7.78	7.56
-20	Watts (Capacity)	3340	2770	2170	1540
	Watts (Power)	1840	1920	1950	1940
	Amps	8.21	8.50	8.61	8.52
-15	Watts (Capacity)	4170	3500	2790	2050
	Watts (Power)	2040	2160	2230	2260
	Amps	9.11	9.59	9.88	9.98
-10	Watts (Capacity)	5110	4330	3490	2620
	Watts (Power)	2250	2410	2530	2600
	Amps	10.0	10.7	11.2	11.5

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	9.948637E+03	1.630109E+03	7.640680E+00	
C2	3.400592E+02	1.708106E+01	8.140046E-02	
C3	-6.668390E+01	4.436637E+01	1.714385E-01	
C4	3.834693E+00	5.843447E-02	4.627830E-04	
C5	-2.675507E+00	9.831744E-01	3.784364E-03	
C6	-7.383956E-01	-3.141208E-01	-9.519790E-04	
C7	1.216034E-02	1.770006E-03	0.000000E+00	
C8	-3.300192E-02	4.870903E-03	0.000000E+00	
C9	-6.806786E-03	-3.612885E-04	0.000000E+00	
C10	3.271953E-03	6.979087E-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

Tc = Condensing Temperature