



Model: AHC5540EHZ (FH5540E)

Product Description

Type: Reciprocating
Application: HBP/AC - Air Conditioning
Refrigerant: R-22
Voltage/Frequency: 208-220V ~ 60Hz
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 ~ 60HZ	36669	9241	10744	4501	8.15	2.05	2.39	5°C (41°F)	50°C (122°F)	32°C (90°F)	15°C (59°F)	50°C (122°F)

General

Evaporating Temp. Range: -15°C to 15°C (5°F to 59°F)
Motor Torque: N/A
Compressor Cooling: N/A

Mechanical

Weight: 35
Weight Unit of Measure: KG
Displacement (cc): 74.25
Oil Type: N/A
Viscosity (cSt): N/A
Oil Charge (cc): 0

Electrical

Voltage Range (50 Hz): N/A
Voltage Range (60 Hz): N/A
Locked Rotor Amps (LRA): 0
Rated Load Amps (RLA 50 Hz): 0
Rated Load Amps (RLA 60 Hz): 28
Max. Continuous Current (MCC in Amps): 0
Motor Resistance (Ohm) - Main: .38
Motor Resistance (Ohm) - Start: 2.77
Motor Type: N/A
Overload Type: N/A
Relay Type: N/A

Agency Approval

CE Listed, UL Recognized, cURus Recognized



Tecumseh

Performance Data Sheet

AHC5540EHZ

General Information

Model	AHC5540EHZ	Refrigerant	R-22
Test Condition	Tecumseh Europe	Performance Test Voltage	220V ~ 60HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	Motor Type	N/A

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)							
		30	35	40	45	50	55	60	65
-25	Watts (Capacity)	2380	2040						
	Watts (Power)	2860	2690						
	Amps	17.0	16.2						
-23.3	Watts (Capacity)	2990	2620	2270					
	Watts (Power)	2880	2740	2610					
	Amps	17.0	16.3	15.6					
-20	Watts (Capacity)	4240	3790	3350	2940	2530			
	Watts (Power)	2940	2840	2750	2670	2590			
	Amps	17.2	16.6	16.1	15.6	15.1			
-15	Watts (Capacity)	6260	5680	5130	4590	4070	3550		
	Watts (Power)	3040	3000	2970	2950	2940	2930		
	Amps	17.5	17.2	17.0	16.7	16.5	16.3		
-10	Watts (Capacity)	8430	7720	7040	6380	5740	5110	4470	
	Watts (Power)	3170	3190	3220	3260	3300	3350	3390	
	Amps	17.9	17.9	18.0	18.0	18.1	18.1	18.2	
-6.7	Watts (Capacity)	9950	9150	8380	7640	6920	6210	5500	4770
	Watts (Power)	3270	3330	3400	3470	3550	3630	3720	3800
	Amps	18.3	18.5	18.7	19.0	19.2	19.4	19.7	19.9
-5	Watts (Capacity)	10800	9910	9100	8320	7550	6800	6050	5280
	Watts (Power)	3320	3400	3490	3580	3680	3780	3880	3980
	Amps	18.5	18.8	19.1	19.5	19.8	20.1	20.4	20.8
0	Watts (Capacity)	13200	12300	11300	10400	9500	8620	7750	6870
	Watts (Power)	3500	3640	3780	3930	4080	4240	4390	4540
	Amps	19.2	19.8	20.4	21.0	21.6	22.2	22.8	23.4

5	Watts (Capacity)	15900	14700	13700	12600	11600	10600	9580	8580
	Watts (Power)	3700	3890	4090	4290	4500	4700	4910	5110
	Amps	20.0	20.9	21.8	22.7	23.6	24.5	25.3	26.2
7.2	Watts (Capacity)	17100	15900	14700	13600	12500	11500	10400	9380
	Watts (Power)	3800	4010	4230	4460	4680	4910	5140	5360
	Amps	20.5	21.5	22.5	23.5	24.5	25.5	26.5	27.5
10	Watts (Capacity)	18700	17400	16100	15000	13800	12700	11500	10400
	Watts (Power)	3930	4170	4420	4670	4930	5180	5440	5690
	Amps	21.0	22.2	23.4	24.5	25.7	26.8	28.0	29.1
15	Watts (Capacity)	21600	20200	18800	17500	16200	14900	13600	12400
	Watts (Power)	4170	4470	4770	5070	5380	5680	5980	6280
	Amps	22.2	23.6	25.1	26.5	27.9	29.3	30.7	32.1

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.060000E+04	2.960000E+03	1.500000E+01	
C2	7.010000E+02	-3.240000E+01	-1.920000E-01	
C3	-2.990000E+02	7.500000E+00	1.570000E-01	
C4	3.640000E+00	6.900000E-01	3.050000E-03	
C5	-6.830000E+00	2.430000E+00	1.190000E-02	
C6	2.170000E+00	4.310000E-01	-7.260000E-04	
C7	-1.000000E-15	-7.000000E-16	0.000000E+00	
C8	-1.860000E-02	-7.000000E-03	-9.190000E-06	
C9	1.730000E-02	-3.110000E-03	-9.310000E-06	
C10	-1.260000E-02	-2.650000E-03	4.690000E-06	

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

Te = Evaporator Temperature

Tc = Condensing Temperature