Performance Data Sheet

AHA7480AXD

General Information

Model	AHA7480AXD	**Refrigerant**	R-12
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
-10	Btu/h	3640	3440	3240	3020	2710	2280	1690
	Watts	848	867	862	839	801	750	691
	Amps	4.90	4.87	4.81	4.70	4.56	4.40	4.20
	Lb/h	58.8	54.3	51.5	49.1	45.8	40.3	31.3
-5	Btu/h	4420	4260	4100	3900	3620	3200	2610
	Watts	942	959	955	934	899	855	805
	Amps	5.22	5.20	5.14	5.05	4.94	4.79	4.63
	Lb/h	70.3	67.0	65.3	63.8	61.4	56.7	48.4
0	Btu/h	5210	5070	4930	4750	4470	4060	3470
	Watts	1040	1050	1050	1030	999	962	920
	Amps	5.52	5.51	5.47	5.40	5.30	5.18	5.05
	Lb/h	81.3	79.1	78.4	77.8	76.1	72.1	64.3
5	Btu/h	6040	5920	5790	5610	5340	4920	4310
	Watts	1130	1140	1140	1120	1100	1070	1040
	Amps	5.83	5.82	5.79	5.74	5.67	5.58	5.48
	Lb/h	93.0	91.7	91.8	91.9	90.9	87.3	79.9
10	Btu/h	6990	6870	6740	6550	6260	5810	5170
	Watts	1220	1230	1230	1220	1200	1180	1160
	Amps	6.14	6.15	6.13	6.10	6.05	5.99	5.92
	Lb/h	106	106	106	107	107	103	96.3
15	Btu/h	8090	7960	7820	7600	7280	6800	6120
	Watts	1320	1330	1330	1320	1310	1300	1290
	Amps	6.48	6.49	6.50	6.48	6.46	6.43	6.39
	Lb/h	122	122	123	124	124	121	114
20	Btu/h	9400	9250	9080	8830	8470	7940	7210
	Watts	1420	1430	1430	1430	1420	1420	1420
	Amps	6.85	6.88	6.89	6.90	6.90	6.90	6.90
	Lb/h	141	141	143	145	145	142	135
25	Btu/h	11000	10800	10600	10300	9860	9280	8480
	Watts	1520	1530	1540	1540	1540	1550	1560
	Amps	7.27	7.31	7.34	7.37	7.40	7.43	7.46
	Lb/h	164	165	167	169	169	166	159

30	Btu/h	12900	12600	12400	12000	11500	10900	9980
	Watts	1630	1650	1650	1660	1670	1680	1700
	Amps	7.74	7.79	7.85	7.90	7.95	8.01	8.08
	Lb/h	192	194	196	198	198	195	188

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.176394E+04	-1.570140E+02	4.233722E+00	3.071368E+02
C2	7.941212E+01	3.638714E+01	7.804551E-02	-1.785670E-01
C3	-1.974135E+02	3.103098E+01	3.501884E-02	-6.685017E+00
C4	3.096291E+00	-6.511097E-02	-1.412899E-04	3.242751E-02
C5	1.522578E+00	-3.954152E-01	-5.778845E-04	3.898425E-02
C6	2.050845E+00	-2.482145E-01	-2.733043E-04	6.551213E-02
C7	6.861533E-02	1.518229E-03	1.520436E-05	1.261098E-03
C8	-2.500812E-02	8.130528E-04	1.711508E-06	-2.669836E-04
C9	-6.380370E-03	2.154593E-03	4.449881E-06	-1.100420E-04
C10	-7.599361E-03	5.823214E-04	4.631938E-07	-2.153773E-04

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