



Technical Datasheet

11/14/2019

Model: AWS4538ZXG

Product Description

Type: Reciprocating Compressors
Application: MBP/HBP - Medium/High Back Pressure
ProductDescription: R-404A
Voltage/Frequency: 460V 3~ 60Hz 380-420V 3~ 50Hz
Version: N/A



Product Specifications

Performance

Condition	Test Voltage	Refrigeration Capacity			Input Power (I) W	(E) Efficiency			EVAP TEMP	Condition	AMBIENT TEMP	RETURN GAS	LIQUID TEMP
		(R) Btu/h	(R) kcal/h	(R) W		(E) Btu/Wh	(E) kcal/Wh	W/W					
ARI	380V 3~ 50HZ	31021	7817	9083	3416	9.08	2.29	2.66	7.2°C (45°F)	54°C (130°F)	35°C (95°F)	18.3°C (65°F)	46°C (115°F)
ARI	460V 3~ 60HZ	36657	9237	10734	4116	8.91	2.24	2.61	7.2°C (45°F)	54°C (130°F)	35°C (95°F)	18.3°C (65°F)	46°C (115°F)
EN12900	380V 3~ 50HZ	27906	7032	8171	3195	8.73	2.2	2.56	5°C (41°F)	50°C (122°F)	32°C (90°F)	20°C (68°F)	50°C (122°F)
EN12900	460V 3~ 60HZ	32923	8296	9640	3860	8.53	2.15	2.5	5°C (41°F)	50°C (122°F)	32°C (90°F)	20°C (68°F)	50°C (122°F)
ASHRAE	380V 3~ 50HZ	33500	8442	9809	3450	9.71	2.45	2.84	7.2°C (45°F)	54°C (130°F)	35°C (95°F)	35°C (95°F)	46°C (115°F)
ASHRAE	460V 3~ 60HZ	40150	10118	11756	4200	9.56	2.41	2.8	7.2°C (45°F)	54°C (130°F)	35°C (95°F)	35°C (95°F)	46°C (115°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: 30
Weight Unit of Measure: KG
Displacement (cc): 63
Oil Type: Polyolester
Viscosity (cSt): 32
Oil Charge (cc): 1140

Electrical

Voltage Range (50 Hz): 342-462
Voltage Range (60 Hz): 396-506

Locked Rotor Amps (LRA):	45
Rated Load Amps (RLA 50 Hz):	6.1
Rated Load Amps (RLA 60 Hz):	6.3
Max. Continuous Current (MCC in Amps):	8.9
Motor Resistance (Ohm) - Main:	3.95
Motor Resistance (Ohm) - Start:	
Motor Type:	3PH
Overload Type:	
Relay Type:	

Agency Approval

CCC Listed



Performance Data Sheet

AWS4538ZXG

General

Model	AWS4538ZXG	Unit of Measure	Fahrenheit
Condition	ARI (R-404A)	Voltage/Frequency	380V3~50HZ
RETURN GAS	18.3°C (65°F) RETURN GAS	MotorType	3PH

Performance Information

EVAP TEMP (°F)	Condensing Temperature (°F)						
		90	100	110	120	130	140
5	Btu/h	18800	16900	15000	13000	11000	8970
	Watts	1980	2060	2130	2190	2250	2300
	Amps	4.06	4.15	4.23	4.30	4.36	4.41
	Lb/h	283	270	255	237	218	195
10	Btu/h	21400	19400	17300	15100	13000	10800
	Watts	2080	2180	2270	2340	2410	2480
	Amps	4.18	4.30	4.41	4.51	4.60	4.68
	Lb/h	326	312	296	278	257	234
15	Btu/h	24300	22100	19800	17400	15000	12700
	Watts	2180	2300	2400	2490	2570	2650
	Amps	4.30	4.44	4.58	4.71	4.83	4.94
	Lb/h	371	357	340	321	299	275
20	Btu/h	27400	24900	22400	19800	17200	14700
	Watts	2260	2400	2520	2630	2730	2820
	Amps	4.40	4.57	4.74	4.90	5.05	5.19
	Lb/h	420	405	388	367	345	320
25	Btu/h	30800	28000	25300	22500	19600	16800
	Watts	2330	2500	2640	2760	2880	2990
	Amps	4.49	4.69	4.89	5.09	5.26	5.43
	Lb/h	474	458	440	418	394	368
30	Btu/h	34400	31400	28400	25300	22100	19000
	Watts	2390	2580	2740	2890	3030	3150
	Amps	4.56	4.80	5.03	5.25	5.46	5.66
	Lb/h	534	517	497	474	449	421
35	Btu/h	38400	35100	31700	28300	24900	21500
	Watts	2440	2650	2840	3010	3160	3310
	Amps	4.63	4.90	5.16	5.41	5.65	5.88
	Lb/h	599	581	560	536	509	480
40	Btu/h	42700	39000	35300	31600	27800	24100
	Watts	2480	2710	2920	3120	3290	3450
	Amps	4.69	4.99	5.28	5.56	5.83	6.09
	Lb/h	672	652	629	604	576	545
45	Btu/h	47400	43300	39300	35100	31000	26900
	Watts	2500	2760	3000	3210	3410	3590
	Amps	4.73	5.06	5.39	5.70	6.00	6.29

	Lb/h	752	731	707	680	650	617
50	Btu/h	52400	48000	43500	39000	34400	29900
	Watts	2500	2790	3060	3300	3520	3720
	Amps	4.77	5.13	5.48	5.82	6.16	6.48
	Lb/h	840	818	792	763	732	697
55	Btu/h	57800	53000	48100	43100	38200	33200
	Watts	2480	2810	3100	3370	3610	3840
	Amps	4.79	5.18	5.56	5.94	6.30	6.65
	Lb/h	938	914	886	856	822	786

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.361796E+04	4.531541E+01	3.145950E+00	2.536631E+02
C2	7.010995E+02	-2.198214E+01	-2.539955E-02	7.840147E+00
C3	4.394468E+01	3.945664E+01	9.629362E-03	9.449061E-01
C4	8.920082E+00	-3.589321E-01	-2.253706E-04	5.387968E-02
C5	-2.773378E+00	6.427739E-01	5.829831E-04	6.549574E-03
C6	-1.795045E+00	-2.789257E-01	5.199744E-06	-1.205771E-02
C7	2.931686E-02	-1.455316E-03	-1.659413E-07	1.010411E-03
C8	-5.885063E-02	2.592449E-03	1.996236E-07	-2.421484E-04
C9	1.745298E-03	-1.659764E-03	5.803442E-08	-7.703397E-05
C10	4.602065E-03	7.361750E-04	-1.721908E-07	3.278399E-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



Performance Data Sheet

AWS4538ZXG

General

Model	AWS4538ZXG	Unit of Measure	Fahrenheit
Condition	ARI (R-404A)	Voltage/Frequency	460V3~60HZ
RETURN GAS	18.3°C (65°F) RETURN GAS	MotorType	3PH

Performance Information

EVAP TEMP (°F)	Condensing Temperature (°F)						
		90	100	110	120	130	140
5	Btu/h	23000	20700	18300	15800	13400	11000
	Watts	2470	2530	2570	2610	2640	2660
	Amps	4.32	4.40	4.45	4.49	4.50	4.50
	Lb/h	347	330	310	288	265	240
10	Btu/h	26200	23700	21100	18400	15800	13200
	Watts	2600	2690	2750	2810	2850	2900
	Amps	4.45	4.56	4.64	4.70	4.75	4.77
	Lb/h	398	380	360	338	313	287
15	Btu/h	29600	26800	24000	21100	18300	15500
	Watts	2730	2830	2920	3000	3060	3130
	Amps	4.58	4.71	4.82	4.91	4.98	5.03
	Lb/h	452	434	413	390	364	336
20	Btu/h	33200	30300	27200	24000	20900	17900
	Watts	2840	2970	3080	3180	3260	3340
	Amps	4.69	4.85	4.99	5.11	5.21	5.29
	Lb/h	510	492	470	445	418	389
25	Btu/h	37200	33900	30500	27100	23700	20400
	Watts	2940	3090	3230	3340	3450	3550
	Amps	4.80	4.99	5.15	5.30	5.42	5.53
	Lb/h	574	554	531	506	477	447
30	Btu/h	41500	37900	34200	30400	26700	23000
	Watts	3030	3210	3370	3500	3630	3750
	Amps	4.90	5.11	5.31	5.48	5.63	5.76
	Lb/h	643	623	599	571	542	509
35	Btu/h	46100	42100	38100	34000	29900	25800
	Watts	3110	3310	3490	3650	3800	3940
	Amps	4.99	5.23	5.45	5.65	5.83	5.99
	Lb/h	720	698	672	644	612	578
40	Btu/h	51100	46700	42300	37800	33300	28800
	Watts	3180	3410	3610	3790	3960	4120
	Amps	5.07	5.34	5.59	5.81	6.02	6.21
	Lb/h	804	781	754	723	690	654
45	Btu/h	56500	51700	46800	41900	37000	32100
	Watts	3240	3490	3720	3920	4110	4290
	Amps	5.15	5.44	5.71	5.97	6.20	6.41

	Lb/h	896	872	843	811	776	737
50	Btu/h	62300	57100	51800	46400	41000	35600
	Watts	3290	3570	3820	4040	4250	4450
	Amps	5.21	5.53	5.83	6.11	6.37	6.61
	Lb/h	999	973	942	908	871	830
55	Btu/h	68500	62900	57100	51200	45300	39400
	Watts	3330	3630	3900	4150	4380	4600
	Amps	5.26	5.61	5.94	6.25	6.53	6.80
	Lb/h	1110	1080	1050	1020	975	932

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.863638E+04	4.770904E+02	2.869721E+00	2.863693E+02
C2	7.655178E+02	-2.376004E+01	-2.209924E-02	8.023677E+00
C3	9.109817E+01	4.349597E+01	2.343308E-02	2.345696E+00
C4	9.768557E+00	-2.695824E-01	-1.421964E-04	5.666199E-02
C5	-1.804946E+00	7.265416E-01	5.755158E-04	3.417590E-02
C6	-2.795052E+00	-3.336485E-01	-9.870923E-05	-3.010524E-02
C7	3.664397E-02	1.060012E-04	-9.884494E-08	1.210795E-03
C8	-6.812393E-02	5.139004E-04	-2.379460E-07	-3.069518E-04
C9	-4.086006E-03	-1.415938E-03	-8.399678E-08	-1.945227E-04
C10	8.096670E-03	8.711006E-04	1.518781E-09	6.182959E-05

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

Te = Evaporator Temperature

Tc = Condensing Temperature



Performance Data Sheet

AWS4538ZXG

General

Model	AWS4538ZXG	Unit of Measure	Fahrenheit
Condition	ASHRAE (R-404A)	Voltage/Frequency	380V 3~ 50HZ
RETURN GAS	35°C (95°F) RETURN GAS	MotorType	3PH

Performance Information

EVAP TEMP (°F)	Condensing Temperature (°F)						
		90	100	110	120	130	140
5	Btu/h	19800	18000	16000			
	Watts	2010	2090	2160			
	Amps	4.13	4.22	4.30			
	Lb/h	270	258	243			
10	Btu/h	22600	20600	18400	16300		
	Watts	2110	2210	2290	2370		
	Amps	4.25	4.37	4.49	4.59		
	Lb/h	309	296	281	264		
15	Btu/h	25600	23400	21000	18700	16300	
	Watts	2200	2320	2430	2520	2600	
	Amps	4.37	4.52	4.66	4.79	4.91	
	Lb/h	352	338	322	304	284	
20	Btu/h	28800	26400	23900	21300	18700	16100
	Watts	2290	2430	2550	2660	2760	2850
	Amps	4.47	4.65	4.82	4.99	5.14	5.28
	Lb/h	398	384	367	348	327	303
25	Btu/h	32300	29600	26900	24100	21200	18400
	Watts	2360	2520	2670	2800	2910	3020
	Amps	4.56	4.77	4.98	5.17	5.35	5.52
	Lb/h	448	433	415	395	373	348
30	Btu/h	36100	33200	30200	27100	24000	20800
	Watts	2420	2610	2780	2920	3060	3190
	Amps	4.64	4.88	5.12	5.34	5.56	5.76
	Lb/h	503	487	468	447	424	398
35	Btu/h	40200	37000	33700	30300	26900	23500
	Watts	2470	2680	2870	3040	3200	3350
	Amps	4.71	4.98	5.25	5.50	5.75	5.98
	Lb/h	563	546	526	504	479	452
40	Btu/h	44700	41100	37500	33800	30100	26400
	Watts	2510	2740	2960	3150	3330	3500
	Amps	4.77	5.07	5.37	5.65	5.93	6.19
	Lb/h	629	610	589	566	540	511
45	Btu/h	49500	45600	41600	37600	33500	29400
	Watts	2530	2790	3030	3250	3450	3640
	Amps	4.81	5.15	5.48	5.79	6.10	6.39

	Lb/h	700	681	658	633	606	576
50	Btu/h	54600	50400	46000	41600	37200	32800
	Watts	2530	2820	3090	3340	3560	3770
	Amps	4.85	5.21	5.57	5.92	6.26	6.58
	Lb/h	779	758	734	708	679	647
55	Btu/h	60200	55500	50800	46000	41200	36400
	Watts	2510	2840	3140	3410	3660	3890
	Amps	4.87	5.27	5.66	6.04	6.41	6.76
	Lb/h	864	842	817	789	759	725

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.417450E+04	4.584697E+01	3.198382E+00	2.384810E+02
C2	7.358649E+02	-2.223999E+01	-2.582288E-02	7.528135E+00
C3	4.943482E+01	3.991948E+01	9.789851E-03	9.960628E-01
C4	8.288809E+00	-3.631425E-01	-2.291268E-04	5.645906E-02
C5	-2.807469E+00	6.503137E-01	5.926995E-04	9.690692E-04
C6	-1.815335E+00	-2.821976E-01	5.286407E-06	-1.226477E-02
C7	2.571824E-02	-1.472387E-03	-1.687070E-07	6.847192E-04
C8	-4.928070E-02	2.622859E-03	2.029506E-07	-1.733534E-04
C9	8.607893E-04	-1.679234E-03	5.900166E-08	-5.640251E-05
C10	4.587171E-03	7.448105E-04	-1.750607E-07	5.814727E-06

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

Te = Evaporator Temperature

Tc = Condensing Temperature



Performance Data Sheet

AWS4538ZXG

General

Model	AWS4538ZXG	Unit of Measure	Fahrenheit
Condition	ASHRAE (R-404A)	Voltage/Frequency	460V 3~ 60HZ
RETURN GAS	35°C (95°F) RETURN GAS	MotorType	3PH

Performance Information

EVAP TEMP (°F)	Condensing Temperature (°F)						
		90	100	110	120	130	140
5	Btu/h	24400	22000	19600			
	Watts	2520	2580	2630			
	Amps	4.39	4.47	4.52			
	Lb/h	332	316	297			
10	Btu/h	27700	25200	22500	19900		
	Watts	2660	2750	2810	2870		
	Amps	4.53	4.63	4.71	4.78		
	Lb/h	380	363	344	322		
15	Btu/h	31300	28500	25700	22800	19900	
	Watts	2790	2900	2990	3060	3130	
	Amps	4.65	4.78	4.90	4.99	5.06	
	Lb/h	431	413	393	371	347	
20	Btu/h	35100	32100	29000	25900	22700	19600
	Watts	2900	3030	3150	3250	3330	3420
	Amps	4.77	4.93	5.07	5.19	5.29	5.37
	Lb/h	485	467	447	423	398	371
25	Btu/h	39300	36000	32600	29200	25800	22400
	Watts	3000	3160	3300	3420	3530	3630
	Amps	4.88	5.07	5.24	5.38	5.51	5.62
	Lb/h	544	526	504	480	453	424
30	Btu/h	43700	40200	36500	32700	29000	25300
	Watts	3100	3280	3440	3580	3710	3830
	Amps	4.98	5.20	5.39	5.57	5.72	5.86
	Lb/h	609	589	566	541	513	483
35	Btu/h	48500	44600	40600	36500	32500	28400
	Watts	3180	3390	3570	3730	3880	4020
	Amps	5.07	5.32	5.54	5.74	5.92	6.09
	Lb/h	679	658	634	607	578	546
40	Btu/h	53700	49400	45100	40600	36200	31700
	Watts	3250	3480	3690	3880	4050	4210
	Amps	5.15	5.43	5.68	5.91	6.12	6.31
	Lb/h	755	734	708	680	649	615
45	Btu/h	59200	54600	49800	45000	40200	35300
	Watts	3310	3570	3800	4010	4200	4380
	Amps	5.23	5.53	5.81	6.06	6.30	6.52

	Lb/h	839	816	789	759	727	691
50	Btu/h	65200	60200	55000	49700	44400	39200
	Watts	3360	3640	3900	4130	4340	4540
	Amps	5.29	5.62	5.93	6.21	6.47	6.72
	Lb/h	930	905	877	846	811	774
55	Btu/h	71600	66100	60500	54800	49000	43300
	Watts	3400	3710	3990	4240	4480	4700
	Amps	5.35	5.70	6.04	6.35	6.64	6.91
	Lb/h	1030	1000	974	940	904	864

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.930683E+04	4.875376E+02	2.916007E+00	2.737591E+02
C2	8.037801E+02	-2.428034E+01	-2.245568E-02	7.740427E+00
C3	1.041739E+02	4.444844E+01	2.381103E-02	2.260118E+00
C4	9.040273E+00	-2.754856E-01	-1.444899E-04	6.001147E-02
C5	-1.731634E+00	7.424513E-01	5.847984E-04	2.652137E-02
C6	-2.904929E+00	-3.409547E-01	-1.003013E-04	-2.884024E-02
C7	3.279135E-02	1.083224E-04	-1.004392E-07	8.341366E-04
C8	-5.734969E-02	5.251537E-04	-2.417839E-07	-2.269070E-04
C9	-5.584352E-03	-1.446944E-03	-8.535157E-08	-1.657236E-04
C10	8.376586E-03	8.901759E-04	1.543278E-09	5.966709E-05

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

Te = Evaporator Temperature

Tc = Condensing Temperature



Performance Data Sheet

AWS4538ZXG

General

Model	AWS4538ZXG	Unit of Measure	Fahrenheit
Condition	EN12900 (R-404A)	Voltage/Frequency	380V 3~ 50HZ
RETURN GAS	20°C (68°F) RETURN GAS	MotorType	3PH

Performance Information

EVAP TEMP (°F)	Condensing Temperature (°F)						
		90	100	110	120	130	140
5	Btu/h	17400	15600	13700	11700	9760	7760
	Watts	2000	2080	2150	2210	2260	2320
	Amps	4.15	4.24	4.32	4.38	4.44	4.49
	Lb/h	285	273	257	239	220	198
10	Btu/h	19900	17800	15800	13600	11500	9300
	Watts	2100	2200	2280	2360	2430	2490
	Amps	4.27	4.39	4.50	4.60	4.69	4.77
	Lb/h	327	315	299	280	259	237
15	Btu/h	22500	20300	18000	15700	13300	10900
	Watts	2190	2310	2410	2510	2590	2670
	Amps	4.39	4.54	4.68	4.81	4.93	5.04
	Lb/h	373	359	343	323	302	279
20	Btu/h	25300	22900	20400	17800	15200	12600
	Watts	2280	2420	2540	2650	2750	2840
	Amps	4.49	4.67	4.84	5.00	5.15	5.29
	Lb/h	422	408	390	370	347	323
25	Btu/h	28400	25700	22900	20100	17300	14400
	Watts	2350	2510	2660	2780	2900	3010
	Amps	4.58	4.79	5.00	5.19	5.37	5.54
	Lb/h	476	460	442	420	397	372
30	Btu/h	31700	28800	25700	22600	19400	16300
	Watts	2410	2600	2760	2910	3050	3170
	Amps	4.66	4.90	5.14	5.36	5.57	5.78
	Lb/h	534	518	498	476	451	425
35	Btu/h	35300	32000	28700	25200	21800	18300
	Watts	2460	2670	2860	3030	3180	3330
	Amps	4.73	5.00	5.27	5.52	5.77	6.00
	Lb/h	599	581	560	537	511	483
40	Btu/h	39200	35500	31800	28100	24300	20400
	Watts	2490	2730	2940	3140	3310	3480
	Amps	4.78	5.09	5.39	5.67	5.95	6.21
	Lb/h	669	651	629	604	577	548
45	Btu/h	43300	39300	35300	31100	26900	22700
	Watts	2510	2780	3020	3230	3430	3620
	Amps	4.83	5.17	5.50	5.81	6.12	6.41

	Lb/h	747	727	704	678	649	619
50	Btu/h	47800	43400	38900	34400	29800	25200
	Watts	2520	2810	3080	3320	3540	3750
	Amps	4.86	5.23	5.59	5.94	6.28	6.60
	Lb/h	833	812	787	759	729	697
55	Btu/h	52600	47800	42900	37900	32900	27800
	Watts	2500	2830	3120	3390	3640	3870
	Amps	4.89	5.29	5.68	6.06	6.43	6.78
	Lb/h	927	904	878	849	817	783

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.638324E+04	4.839097E+01	2.969728E+00	1.220550E+02
C2	6.366849E+02	-2.257570E+01	-2.787693E-02	8.242234E+00
C3	-6.513891E+01	3.973920E+01	1.667933E-02	4.485102E+00
C4	8.522449E+00	-3.572578E-01	-2.246730E-04	4.861409E-02
C5	-2.088976E+00	6.529046E-01	6.235759E-04	5.837792E-04
C6	-8.223765E-01	-2.815447E-01	-5.664421E-05	-4.306740E-02
C7	1.909078E-02	-1.486083E-03	2.774016E-12	9.125806E-04
C8	-5.562265E-02	2.594952E-03	-1.255600E-12	-1.790432E-04
C9	-2.581916E-03	-1.692777E-03	-6.482840E-13	-5.455834E-05
C10	1.866757E-03	7.448389E-04	-5.564077E-12	9.313675E-05

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

Te = Evaporator Temperature

Tc = Condensing Temperature



Performance Data Sheet

AWS4538ZXG

General

Model	AWS4538ZXG	Unit of Measure	Fahrenheit
Condition	EN12900 (R-404A)	Voltage/Frequency	460V 3~ 60HZ
RETURN GAS	20°C (68°F) RETURN GAS	MotorType	3PH

Performance Information

EVAP TEMP (°F)	Condensing Temperature (°F)						
		90	100	110	120	130	140
5	Btu/h	21100	18800	16400	14100	11700	9370
	Watts	2470	2530	2580	2610	2640	2670
	Amps	4.28	4.35	4.41	4.45	4.46	4.46
	Lb/h	344	328	309	287	264	240
10	Btu/h	23900	21500	18900	16400	13800	11200
	Watts	2610	2690	2760	2810	2860	2900
	Amps	4.41	4.51	4.59	4.66	4.70	4.73
	Lb/h	395	378	358	336	311	287
15	Btu/h	27000	24300	21600	18800	15900	13100
	Watts	2730	2840	2930	3000	3070	3130
	Amps	4.53	4.66	4.77	4.86	4.94	4.98
	Lb/h	448	431	410	387	362	336
20	Btu/h	30300	27400	24400	21300	18200	15100
	Watts	2840	2970	3080	3180	3270	3350
	Amps	4.65	4.80	4.94	5.06	5.16	5.23
	Lb/h	505	488	466	442	415	388
25	Btu/h	33900	30700	27300	24000	20600	17200
	Watts	2940	3100	3230	3350	3460	3560
	Amps	4.76	4.94	5.10	5.25	5.37	5.48
	Lb/h	567	549	527	501	474	445
30	Btu/h	37700	34200	30500	26800	23100	19400
	Watts	3030	3210	3370	3510	3630	3750
	Amps	4.85	5.06	5.25	5.43	5.58	5.71
	Lb/h	635	616	592	566	537	506
35	Btu/h	41800	37900	33900	29900	25800	21700
	Watts	3110	3320	3500	3660	3800	3940
	Amps	4.94	5.18	5.40	5.59	5.77	5.93
	Lb/h	709	688	664	636	605	574
40	Btu/h	46200	42000	37600	33200	28700	24100
	Watts	3180	3410	3620	3800	3960	4120
	Amps	5.02	5.28	5.53	5.76	5.96	6.15
	Lb/h	790	768	742	713	681	648
45	Btu/h	50900	46300	41500	36600	31700	26700
	Watts	3240	3500	3720	3930	4120	4290
	Amps	5.10	5.38	5.65	5.91	6.14	6.35

	Lb/h	879	856	829	798	764	729
50	Btu/h	56000	50900	45700	40400	35000	29500
	Watts	3290	3570	3820	4050	4260	4450
	Amps	5.16	5.47	5.77	6.05	6.31	6.55
	Lb/h	976	952	924	891	855	818
55	Btu/h	61400	55900	50200	44400	38500	32500
	Watts	3330	3630	3910	4160	4390	4600
	Amps	5.21	5.55	5.88	6.18	6.47	6.73
	Lb/h	1080	1060	1030	993	956	916

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.149254E+04	4.777312E+02	3.216013E+00	1.276043E+02
C2	6.870616E+02	-2.379196E+01	-1.883857E-02	8.356345E+00
C3	-4.238799E+01	4.355440E+01	1.269720E-02	6.477951E+00
C4	9.187816E+00	-2.699445E-01	-1.583909E-04	4.976734E-02
C5	-1.131663E+00	7.275175E-01	5.239353E-04	2.711723E-02
C6	-1.549697E+00	-3.340967E-01	-2.037869E-06	-6.616138E-02
C7	2.421991E-02	1.061436E-04	-2.739565E-08	1.083258E-03
C8	-6.318326E-02	5.145907E-04	-1.383953E-07	-2.326139E-04
C9	-8.491924E-03	-1.417840E-03	9.022737E-08	-1.661298E-04
C10	4.505584E-03	8.722707E-04	-2.817516E-07	1.665600E-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