

**MODEL
BB500GRDSBPA**

160 GPM - Entering Air @ 70% Relative Humidity

Entering Water Temperature: 50 ^{oF}						
Outside Air Temp.	50 ^{oF}	60 ^{oF}	70 ^{oF}	80 ^{oF}	90 ^{oF}	100 ^{oF}
Suction Pressure	83.22	104.28	125.33	138.44	151.55	164.66
Discharge Pressure	226.58	241.66	256.74	265.89	275.04	284.19
Pool Water Delta T	3.20	4.00	4.80	5.22	5.65	6.08
B Voltage Amperage (Unit)	74.21	78.41	82.60	83.40	84.20	85.00
B Voltage Amperage (Comp)	26.61	28.70	30.80	31.20	31.60	32.00
G Voltage Amperage (Unit)	37.48	39.60	41.72	42.12	42.53	42.93
G Voltage Amperage (Comp)	13.44	14.50	15.56	15.76	15.96	16.16
Superheat	5.0	4.9	6.2	14.0	22.2	30.7
Sub Cooling	11.4	12.7	13.8	17.1	20.3	23.5
Entering Water Temperature: 60 ^{oF}						
Outside Air Temp.	50 ^{oF}	60 ^{oF}	70 ^{oF}	80 ^{oF}	90 ^{oF}	100 ^{oF}
Suction Pressure	85.24	106.44	127.65	143.45	159.26	175.06
Discharge Pressure	258.96	274.76	290.57	301.03	311.50	321.96
Pool Water Delta T	3.08	3.86	4.65	5.13	5.60	6.07
B Voltage Amperage (Unit)	77.91	81.40	84.90	86.25	87.60	88.95
B Voltage Amperage (Comp)	28.45	30.20	31.95	32.63	33.30	33.98
G Voltage Amperage (Unit)	39.35	41.11	42.88	43.56	44.24	44.92
G Voltage Amperage (Comp)	14.37	15.25	16.14	16.48	16.82	17.16
Superheat	4.8	4.5	5.5	12.0	19.0	26.3
Sub Cooling	10.6	11.8	12.9	15.4	17.8	20.2
Entering Water Temperature: 70 ^{oF}						
Outside Air Temp.	50 ^{oF}	60 ^{oF}	70 ^{oF}	80 ^{oF}	90 ^{oF}	100 ^{oF}
Suction Pressure	87.25	108.61	129.97	148.47	166.96	185.46
Discharge Pressure	291.33	307.87	324.40	336.18	347.95	359.73
Pool Water Delta T	2.95	3.72	4.50	5.03	5.55	6.07
B Voltage Amperage (Unit)	81.60	84.40	87.20	89.10	91.00	92.90
B Voltage Amperage (Comp)	30.30	31.70	33.10	34.05	35.00	35.95
G Voltage Amperage (Unit)	41.21	42.63	44.04	45.00	45.96	46.92
G Voltage Amperage (Comp)	15.30	16.01	16.72	17.20	17.68	18.16
Superheat	4.7	4.1	4.9	10.0	15.8	22.0
Sub Cooling	8.9	10.2	11.3	13.0	14.7	16.3
Entering Water Temperature: 80 ^{oF}						
Outside Air Temp.	50 ^{oF}	60 ^{oF}	70 ^{oF}	80 ^{oF}	90 ^{oF}	100 ^{oF}
Suction Pressure	93.63	111.76	129.89	143.83	157.78	171.73
Discharge Pressure	336.73	356.34	375.95	383.01	390.08	397.14
Pool Water Delta T	4.53	4.99	5.45	5.51	5.57	5.64
B Voltage Amperage (Unit)	87.50	89.53	91.55	92.70	93.85	95.00
B Voltage Amperage (Comp)	33.25	34.26	35.28	35.85	36.43	37.00
G Voltage Amperage (Unit)	44.19	45.21	46.24	46.82	47.40	47.98
G Voltage Amperage (Comp)	16.79	17.30	17.82	18.11	18.40	18.69
Superheat	3.3	4.0	5.6	18.4	31.6	45.1
Sub Cooling	9.3	11.3	13.1	13.5	13.9	14.2

Entering Water Temperature: 90 ^{oF}						
Outside Air Temp.	50 ^{oF}	60 ^{oF}	70 ^{oF}	80 ^{oF}	90 ^{oF}	100 ^{oF}
Suction Pressure	100.00	114.90	129.80	139.20	148.60	158.00
Discharge Pressure	382.12	404.81	427.50	429.85	432.20	434.55
Pool Water Delta T	6.10	6.25	6.40	6.00	5.60	5.20
B Voltage Amperage (Unit)	93.40	94.65	95.90	96.30	96.70	97.10
B Voltage Amperage (Comp)	36.20	36.83	37.45	37.65	37.85	38.05
G Voltage Amperage (Unit)	47.17	47.80	48.43	48.64	48.84	49.04
G Voltage Amperage (Comp)	18.28	18.60	18.91	19.02	19.12	19.22
Superheat	2.0	3.9	6.3	26.8	47.5	68.4
Sub Cooling	8.7	11.4	13.9	13.2	12.4	11.7
Entering Water Temperature: 100 ^{oF}						
Outside Air Temp.	50 ^{oF}	60 ^{oF}	70 ^{oF}	80 ^{oF}	90 ^{oF}	100 ^{oF}
Suction Pressure	100.54	117.36	134.18	149.81	165.44	181.07
Discharge Pressure	417.38	437.61	457.83	462.47	467.11	471.75
Pool Water Delta T	4.60	4.94	5.28	5.36	5.45	5.54
B Voltage Amperage (Unit)	96.96	98.64	100.31	102.56	104.81	107.06
B Voltage Amperage (Comp)	37.98	38.82	39.66	40.78	41.91	43.03
G Voltage Amperage (Unit)	48.97	49.82	50.66	51.80	52.93	54.07
G Voltage Amperage (Comp)	19.18	19.60	20.03	20.60	21.16	21.73
Superheat	2.0	3.5	5.8	17.1	28.7	40.8
Sub Cooling	8.0	10.9	13.8	13.0	12.3	11.5
Entering Water Temperature: 104 ^{oF}						
Outside Air Temp.	50 ^{oF}	60 ^{oF}	70 ^{oF}	80 ^{oF}	90 ^{oF}	100 ^{oF}
Suction Pressure	100.75	119.49	138.23	160.09	181.95	203.81
Discharge Pressure	452.32	470.08	487.84	494.77	501.70	508.63
Pool Water Delta T	3.10	3.63	4.15	4.72	5.30	5.88
B Voltage Amperage (Unit)	100.20	102.30	104.40	108.50	112.60	116.70
B Voltage Amperage (Comp)	39.60	40.65	41.70	43.75	45.80	47.85
G Voltage Amperage (Unit)	50.61	51.67	52.73	54.80	56.87	58.94
G Voltage Amperage (Comp)	20.00	20.53	21.06	22.10	23.13	24.17
Superheat	1.8	3.1	5.1	7.3	10.1	13.6
Sub Cooling	7.0	10.4	13.6	12.9	12.1	11.3