

Crystalyte-H4080 Motor Test with 48V 25A Controller

Descripton	U	I	P1	M	N	P2	Eff
	(V)	(A)	(W)	(N.m)	(rpm)	(W)	(%)
Unload	48.02	1.927	92.57	0.05	437.4	2.28	2.4
Max-Eff	47.39	20.47	970.3	20.45	377.2	807.6	83.2
Max-Pout	47.25	25.40	1200	26.81	354.7	995.6	82.9
Max-Torque	47.30	24.67	1167	60.25	66.8	421.3	36.1
End	47.30	24.67	1167	60.25	66.8	421.3	36.1

NO.	U	I	P1	M	N	P2	Eff
	(V)	(A)	(W)	(N.m)	(rpm)	(W)	(%)
1	48.02	1.927	92.57	0.05	437.4	2.28	2.4
2	48.06	1.932	93.89	0.06	437.3	2.74	2.9
3	48.04	2.283	109.6	0.42	436.2	19.18	17.4
4	47.99	2.721	130.6	0.89	434.8	40.51	31.0
5	47.97	3.333	159.9	1.54	432.6	69.75	43.6
6	47.94	4.167	199.7	2.43	429.5	109.2	54.6
7	47.90	5.154	246.9	3.46	426.2	154.3	62.5
8	47.86	6.262	299.7	4.69	422.4	207.4	69.1
9	47.83	7.500	358.7	6.01	418.3	263.2	73.3
10	47.78	8.851	422.9	7.42	414.4	321.9	76.1
11	47.73	10.22	487.9	8.95	409.4	383.6	78.6
12	47.69	11.65	555.7	10.50	404.6	444.7	80.0
13	47.63	13.11	625.0	12.17	400.4	510.1	81.6
14	47.58	14.59	694.4	13.79	395.4	570.8	82.2
15	47.53	16.06	763.5	15.41	390.9	630.6	82.5
16	47.44	17.54	832.5	17.12	385.6	691.1	83.0
17	47.41	19.01	901.6	18.79	381.1	749.7	83.1
18	47.39	20.47	970.3	20.45	377.2	807.6	83.2
19	47.34	21.87	1035	22.06	373.0	861.5	83.1
20	47.30	23.27	1100	23.66	368.5	912.8	82.9
21	47.25	24.65	1165	25.29	364.2	964.3	82.7
22	47.25	25.40	1200	26.81	354.7	995.6	82.9
23	47.25	25.34	1197	28.34	326.7	969.3	80.9
24	47.25	25.26	1194	29.85	305.2	953.8	79.8
25	47.24	25.39	1199	31.33	289.1	948.3	79.0
26	47.25	25.14	1188	32.69	270.4	925.4	77.8
27	47.25	25.14	1188	34.09	254.9	909.7	76.5
28	47.25	25.25	1193	35.46	243.1	902.5	75.6
29	47.25	25.23	1192	36.68	230.8	886.3	74.3

30	47.25	25.15	1188	37.99	218.3	868.3	73.0
31	47.26	25.02	1182	39.12	207.7	850.7	71.9
32	47.27	25.03	1183	40.24	197.9	833.7	70.4
33	47.27	24.96	1180	41.41	187.3	812.0	68.8
34	47.27	24.92	1178	42.46	177.8	790.4	67.0
35	47.27	25.00	1182	43.46	170.9	777.6	65.7
36	47.28	24.88	1176	44.54	162.4	757.3	64.3
37	47.28	24.85	1175	45.77	153.2	734.1	62.4
38	47.28	24.90	1177	46.71	147.3	720.3	61.1
39	47.29	24.78	1171	47.74	140.3	701.2	59.8
40	47.29	24.87	1176	48.71	134.9	687.9	58.4
41	47.28	24.76	1171	49.57	130.4	676.7	57.7
42	47.29	24.77	1171	50.44	124.4	656.9	56.0
43	47.29	24.74	1170	51.23	119.3	639.8	54.6
44	47.29	24.71	1168	52.05	114.5	623.9	53.3
45	47.29	24.74	1170	52.88	109.0	603.4	51.5
46	47.29	24.83	1174	53.66	104.3	585.9	49.8
47	47.29	24.74	1170	54.53	100.2	572.0	48.8
48	47.29	24.77	1171	55.39	94.3	546.8	46.6
49	47.29	24.70	1168	56.31	89.6	528.2	45.2
50	47.30	26.62	1164	56.97	85.7	511.1	43.8
51	47.30	24.67	1167	57.67	82.1	495.7	42.4
52	47.30	24.66	1166	58.45	77.3	473.0	40.5
53	47.30	24.68	1168	59.03	73.1	451.7	38.6
54	47.30	24.77	1172	59.51	70.9	441.7	37.6
55	47.30	24.67	1167	60.25	66.8	421.3	36.1