

Industrial Complex Motor Detail Report

Prepared By: Dan Laws

Company: Dolphins Software

Project: WH Energy

Monday, Jul. 03, 2006

Motor Name	HP (rated)	kW (rated)	Voltage	Letter Code	Full Load Amperes (FLA)	Locked Rotor Amperes (LRA)	Starting Amperes	Primary Protection	Secondary Protection	Starter Type	NEMA Starter Size
Bay Door	0.75	0.56	208VAC-1Ø	N	4.52	42.69	41.33	20A -440%		full forward	00
Fridge	2.01	1.50	120VAC-1Ø	K	21.01	142.38	338.68	30A -140%		full forward	1
Bay Door	0.75	0.56	208VAC-1Ø	N	4.52	42.69	41.33	20A -440%		full forward	00
Bay Door	0.75	0.56	208VAC-1Ø	N	4.52	42.69	41.33	20A -440%		full forward	00
Hyd Tong	16.58	12.37	480VAC-3Ø	G	25.00	118.46	118.46	35A -135%		full forward	1
Steam Cleaner	19.89	14.84	480VAC-3Ø	G	30.00	142.11	142.11	45A -150%		full forward	2
Air Compressor	61.01	45.51	480VAC-3Ø	G	92.00	435.90	435.90	150A -160%		full forward	4
Sump Pump	5.00	3.73	480VAC-3Ø	J	7.54	45.35	45.35	20A -265%		full forward	00
15 Ton Crane	20.00	14.92	480VAC-3Ø	G	30.16	142.89	142.89	45A -145%		full forward	2
Crane Trolley	1.00	0.75	480VAC-3Ø	N	1.51	14.24	14.24	20A -1325%		full forward	00
Welder	19.89	14.84	480VAC-3Ø	G	30.00	142.11	142.11	45A -150%		full forward	2
Welder	19.89	14.84	480VAC-3Ø	G	30.00	142.11	142.11	45A -150%		full forward	2
Air Handling Unit #1	10.00	7.46	480VAC-3Ø	H	15.08	80.59	80.59	25A -165%		full forward	0
Air Handling Unit #2	10.00	7.46	480VAC-3Ø	H	15.08	80.59	80.59	25A -165%		full forward	0
Bay Door	0.75	0.56	208VAC-1Ø	N	4.52	42.69	41.33	20A -440%		full forward	00
Bay Door	0.75	0.56	208VAC-1Ø	N	4.52	42.69	41.33	20A -440%		full forward	00
Hyd Tong	16.58	12.37	480VAC-3Ø	G	25.00	118.46	118.46	35A -135%		full forward	1
Steam Cleaner	19.89	14.84	480VAC-3Ø	G	30.00	142.11	142.11	45A -150%		full forward	2
Air Compressor	61.01	45.51	480VAC-3Ø	G	92.00	435.90	435.90	150A -160%		full forward	4
Sump Pump	5.00	3.73	480VAC-3Ø	J	7.54	45.35	45.35	20A -265%		full forward	00
15 Ton Crane	20.00	14.92	480VAC-3Ø	G	30.16	142.89	142.89	45A -145%		full forward	2
Crane Trolley	1.00	0.75	480VAC-3Ø	N	1.51	14.24	14.24	20A -1325%		full forward	00
Welder	19.89	14.84	480VAC-3Ø	G	30.00	142.11	142.11	45A -150%		full forward	2
Welder	19.89	14.84	480VAC-3Ø	G	30.00	142.11	142.11	45A -150%		full forward	2
Bay Door	0.75	0.56	208VAC-1Ø	N	4.52	42.69	41.33	20A -440%		full forward	00
Bay Door	0.75	0.56	208VAC-1Ø	N	4.52	42.69	41.33	20A -440%		full forward	00
Bay Door	0.75	0.56	208VAC-1Ø	N	4.52	42.69	41.33	20A -440%		full forward	00

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					Full	Locked					
Bay Door	0.75	0.56	208VAC-1Ø	N	4.52	42.69	41.33	20A -440%		full forward	00
Bay Door	0.75	0.56	208VAC-1Ø	N	4.52	42.69	41.33	20A -440%		full forward	00
Bay Door	0.75	0.56	208VAC-1Ø	N	4.52	42.69	41.33	20A -440%		full forward	00
Bay Door	0.75	0.56	208VAC-1Ø	N	4.52	42.69	41.33	20A -440%		full forward	00
Bay Door	0.75	0.56	208VAC-1Ø	N	4.52	42.69	41.33	20A -440%		full forward	00
Bay Door	0.75	0.56	208VAC-1Ø	N	4.52	42.69	41.33	20A -440%		full forward	00
Bay Door	0.75	0.56	208VAC-1Ø	N	4.52	42.69	41.33	20A -440%		full forward	00
SP Outlets	0.47	0.35	120VAC-1Ø	M	4.90	41.52	50.81	20A -405%		full forward	00
SP Outlets	0.47	0.35	120VAC-1Ø	M	4.90	41.52	50.81	20A -405%		full forward	00
SP Outlets	0.47	0.35	120VAC-1Ø	M	4.90	41.52	50.81	20A -405%		full forward	00
SP Outlets	0.47	0.35	120VAC-1Ø	M	4.90	41.52	50.81	20A -405%		full forward	00
Bathroom Exhaust Fan	0.30	0.22	120VAC-1Ø	M	3.13	26.50	53.80	20A -635%		full forward	00
Bathroom Exhaust Fan	0.60	0.45	120VAC-1Ø	M	6.27	53.00	71.64	20A -315%		full forward	00
AHU #1	5.25	3.92	480VAC-3Ø	H	7.92	42.31	42.31	20A -250%		full forward	00
AHU #2	5.25	3.92	480VAC-3Ø	H	7.92	42.31	42.31	20A -250%		full forward	00
Condensing Unit #1	3.75	2.80	480VAC-3Ø	J	5.66	34.01	34.01	20A -350%		full forward	00
Condensing Unit #2	3.75	2.80	480VAC-3Ø	J	5.66	34.01	34.01	20A -350%		full forward	00
Pressure Washer	2.06	1.54	480VAC-3Ø	K	3.11	21.06	21.06	20A -640%		full forward	00
Pressure Washer	2.06	1.54	480VAC-3Ø	K	3.11	21.06	21.06	20A -640%		full forward	00
Welder	45.04	33.60	480VAC-3Ø	G	67.92	321.80	321.80	100A -145%		full forward	3
Welder	45.04	33.60	480VAC-3Ø	G	67.92	321.80	321.80	100A -145%		full forward	3
Welder	45.04	33.60	480VAC-3Ø	G	67.92	321.80	321.80	100A -145%		full forward	3
Ice machine	2.68	2.00	277VAC-1Ø	K	12.13	82.24	82.24	20A -160%		full forward	0
Air Compressor	17.90	13.36	480VAC-3Ø	G	27.00	127.89	127.89	40A -145%		full forward	1
Test Pump	3.98	2.97	480VAC-3Ø	J	6.00	36.10	36.10	20A -330%		full forward	00
Overhead Crane	20.00	14.92	480VAC-3Ø	G	30.16	142.89	142.89	45A -145%		full forward	2
Overhead Crane	20.00	14.92	480VAC-3Ø	G	30.16	142.89	142.89	45A -145%		full forward	2
Jib Crane	3.32	2.47	480VAC-3Ø	J	5.00	30.11	30.11	20A -400%		full forward	00
Condensing Unit #1	12.06	9.00	480VAC-3Ø	G	18.19	86.17	86.17	30A -160%		full forward	1
Condensing Unit #2	12.06	9.00	480VAC-3Ø	G	18.19	86.17	86.17	30A -160%		full forward	1
Condensing Unit #3	12.06	9.00	480VAC-3Ø	G	18.19	86.17	86.17	30A -160%		full forward	1
Condensing Unit #4	12.06	9.00	480VAC-3Ø	G	18.19	86.17	86.17	30A -160%		full forward	1

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					Full	Locked					
HVAC	7.50	5.60	480VAC-3Ø	H	10.68	60.44	60.44	20A -185%		full forward	0
Bathroom Fan	0.10	0.07	120VAC-1Ø	M	1.00	8.83	33.48	20A -2000%			
Rooftop HVAC	7.00	5.22	480VAC-3Ø	H	10.56	56.41	56.41	20A -185%		full forward	0
Air compressor	5.00	3.73	480VAC-3Ø	J	7.54	45.35	45.35	20A -265%		full forward	00
2 ton Crane	5.00	3.73	480VAC-3Ø	J	7.54	45.35	45.35	20A -265%		full forward	00
Office HVAC	2.68	2.00	277VAC-1Ø	K	11.46	82.24	82.24	20A -170%		full forward	0