

HOURLY OPERATING COST 100% LOAD

A MINOR RPM INCREASE IN A MOTOR'S ROTATIONAL SPEED RESULTS IN AN INCREASE IN THE LOAD PLACED UPON THE MOTOR BY ROTATING EQUIPMENT

HP	AVERAGE STANDARD MOTOR FL RPM EFF. %	ENERGY EFFICIENT MOTOR SAME RPM EFF.%	ENERGY EFFICIENT MOTOR + 10 RPM EFF.%	\$/kWh \$0.01	AVERAGE ELECTRICITY PRICE (\$/kWh)						
					\$0.05	\$0.06	\$0.07	\$0.08	\$0.09	\$0.10	\$0.11
5	83.8			0.0445	\$0.22	\$0.27	\$0.31	\$0.36	\$0.40	\$0.45	\$0.49
5		86.5		0.0431	\$0.22	\$0.26	\$0.30	\$0.34	\$0.39	\$0.43	\$0.47
5			86.5	0.0439	\$0.22	\$0.26	\$0.31	\$0.35	\$0.39	\$0.44	\$0.48
7.5	85.3			0.0656	\$0.33	\$0.39	\$0.46	\$0.52	\$0.59	\$0.66	\$0.72
7.5		88.5		0.0632	\$0.32	\$0.38	\$0.44	\$0.51	\$0.57	\$0.63	\$0.70
7.5			88.5	0.0643	\$0.32	\$0.39	\$0.45	\$0.51	\$0.58	\$0.64	\$0.71
10	87.2			0.0856	\$0.43	\$0.51	\$0.60	\$0.68	\$0.77	\$0.86	\$0.94
10		88.5		0.0843	\$0.42	\$0.51	\$0.59	\$0.67	\$0.76	\$0.84	\$0.93
10			88.5	0.0857	\$0.43	\$0.51	\$0.60	\$0.69	\$0.77	\$0.86	\$0.94
15	87.6			0.1277	\$0.64	\$0.77	\$0.89	\$1.02	\$1.15	\$1.28	\$1.41
15		90.2		0.1241	\$0.62	\$0.74	\$0.87	\$0.99	\$1.12	\$1.24	\$1.36
15			90.2	0.1262	\$0.63	\$0.76	\$0.88	\$1.01	\$1.14	\$1.26	\$1.39
20	88.4			0.1688	\$0.84	\$1.01	\$1.18	\$1.35	\$1.52	\$1.69	\$1.86
20		91		0.164	\$0.82	\$0.98	\$1.15	\$1.31	\$1.48	\$1.64	\$1.80
20			91	0.1667	\$0.83	\$1.00	\$1.17	\$1.33	\$1.50	\$1.67	\$1.83
25	89.2			0.2091	\$1.05	\$1.25	\$1.46	\$1.67	\$1.88	\$2.09	\$2.30
25		91.7		0.2034	\$1.02	\$1.22	\$1.42	\$1.63	\$1.83	\$2.03	\$2.24
25			91.7	0.2068	\$1.03	\$1.24	\$1.45	\$1.65	\$1.86	\$2.07	\$2.28
30	89.2			0.2509	\$1.25	\$1.51	\$1.76	\$2.01	\$2.26	\$2.51	\$2.76
30		91.7		0.2441	\$1.22	\$1.46	\$1.71	\$1.95	\$2.20	\$2.44	\$2.68
30			91.7	0.2482	\$1.24	\$1.49	\$1.74	\$1.99	\$2.23	\$2.48	\$2.73
40	90.2			0.3308	\$1.65	\$1.98	\$2.32	\$2.65	\$2.98	\$3.31	\$3.64
40		92.4		0.3229	\$1.61	\$1.94	\$2.26	\$2.58	\$2.91	\$3.23	\$3.55
40			92.4	0.3284	\$1.64	\$1.97	\$2.30	\$2.63	\$2.96	\$3.28	\$3.61
50	90.1			0.414	\$2.07	\$2.48	\$2.90	\$3.31	\$3.73	\$4.14	\$4.55
50		92.4		0.4037	\$2.02	\$2.42	\$2.83	\$3.23	\$3.63	\$4.04	\$4.44
50			92.4	0.4105	\$2.05	\$2.46	\$2.87	\$3.28	\$3.69	\$4.11	\$4.52
60	91			0.4919	\$2.46	\$2.95	\$3.44	\$3.93	\$4.43	\$4.92	\$5.41
60		93		0.4813	\$2.41	\$2.89	\$3.37	\$3.85	\$4.33	\$4.81	\$5.29
60			93	0.4895	\$2.45	\$2.94	\$3.43	\$3.92	\$4.41	\$4.89	\$5.38
75	91.9			0.6088	\$3.04	\$3.65	\$4.26	\$4.87	\$5.48	\$6.09	\$6.70
75		93.6		0.5978	\$2.99	\$3.59	\$4.18	\$4.78	\$5.38	\$5.98	\$6.58
75			93.6	0.6079	\$3.04	\$3.65	\$4.26	\$4.86	\$5.47	\$6.08	\$6.69
100	91.7			0.8135	\$4.07	\$4.88	\$5.69	\$6.51	\$7.32	\$8.14	\$8.95
100		93.6		0.797	\$3.99	\$4.78	\$5.58	\$6.38	\$7.17	\$7.97	\$8.77
100			93.6	0.8106	\$4.05	\$4.86	\$5.67	\$6.48	\$7.30	\$8.11	\$8.92
125	91.7			1.0169	\$5.08	\$6.10	\$7.12	\$8.14	\$9.15	\$10.17	\$11.19
125		93.6		0.9963	\$4.98	\$5.98	\$6.97	\$7.97	\$8.97	\$9.96	\$10.96
125			93.6	1.0132	\$5.07	\$6.08	\$7.09	\$8.11	\$9.12	\$10.13	\$11.15
150	92.9			1.2045	\$6.02	\$7.23	\$8.43	\$9.64	\$10.84	\$12.05	\$13.25
150		94.1		1.1892	\$5.95	\$7.13	\$8.32	\$9.51	\$10.70	\$11.89	\$13.08
150			94.1	1.2094	6.05	7.26	8.47	9.68	10.88	12.09	\$13.30
200	93.1			1.6026	\$8.01	\$9.62	\$11.22	\$12.82	\$14.42	\$16.03	\$17.63
200		94.1		1.5855	\$7.93	\$9.51	\$11.10	\$12.68	\$14.27	\$15.86	\$17.44
200			94.1	1.6125	\$8.06	\$9.68	\$11.29	\$12.90	\$14.51	\$16.13	\$17.74

24HR EMERGENCY
PARTS AND SERVICE CALL:
(616) 785.7335

