



Certificate of Compliance

Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

Issued to: FIMET MOTORI E RIDUTTORI SPA
VIVLE RIMEMBRANZE, 37
12042, BRA
ITALY

Attention: Stefano Manassero

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by: Henry Huang

PRODUCTS

CLASS 4211 01-MOTORS AND GENERATORS

CLASS 4211 81-MOTORS AND GENERATORS-CERTIFIED TO U.S. STANDARDS

Squirrel Cage Induction Motors, IEC Series, TEFC, IEC frames sizes 63 to 355, three-phase, Class F insulation, 40 Deg C max ambient. Model designation followed by suffix numbers and letters representing electrical and mechanical variations.

Models	Voltage V	Input A	Frequency	HP	Poles	IEC Frame
3MA 63C 2	230/460	0.97/0.485	60	0.25	2	63
	230/460	1.12/0.56	50	0.25	2	63
	230/400	0.97/0.56	60	0.25	2	63
	230/400	1.12/0.64	50	0.25	2	63
	575	0.32	60	0.25	2	63
	575	0.36	50	0.25	2	63
	600	0.31	60	0.25	2	63
	600	0.35	50	0.25	2	63
3MA 63C 4	230/460	0.8/0.4	60	0.17	4	63
	230/460	0.96/0.48	50	0.17	4	63
	230/400	0.8/0.46	60	0.17	4	63



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

	230/400	0.96/0.55	50	0.17	4	63
	575	0.27	60	0.17	4	63
	575	0.33	50	0.17	4	63
	600	0.26	60	0.17	4	63
	600	0.32	50	0.17	4	63
3MA 63A 2	230/460	1.14/0.57	60	0.33	2	63
	230/460	1.31/0.65	50	0.33	2	63
	230/400	1.14/0.66	60	0.33	2	63
	230/400	1.31/0.75	50	0.33	2	63
	575	0.40	60	0.33	2	63
	575	0.44	50	0.33	2	63
	600	0.38	60	0.33	2	63
	600	0.42	50	0.33	2	63
3MA 63A 4	230/460	1.02/0.51	60	0.25	4	63
	230/460	1.02/0.51	50	0.25	4	63
	230/400	1.22/0.61	60	0.25	4	63
	230/400	1.02/0.58	50	0.25	4	63
	575	0.42	60	0.25	4	63
	575	0.40	50	0.25	4	63
	600	0.41	60	0.25	4	63
	600	0.39	50	0.25	4	63
3MA 71AR 2	230/460	1.42/0.71	60	0.50	2	71
	230/460	1.42/0.71	50	0.50	2	71
	230/400	1.56/0.78	60	0.50	2	71
	230/400	1.42/0.82	50	0.50	2	71
	575	1.56/0.90	60	0.50	2	71
	575	0.57	50	0.50	2	71
	600	0.52	60	0.50	2	71
	600	0.55	50	0.50	2	71
3MA 71C 4	230/460	1.2/0.6	60	0.33	4	71
	230/460	1.2/0.6	50	0.33	4	71
	230/400	1.3/0.65	60	0.33	4	71
	230/400	1.2/0.69	50	0.33	4	71
	575	0.45	60	0.33	4	71
	575	0.48	50	0.33	4	71
	600	0.43	60	0.33	4	71
	600	0.46	50	0.33	4	71
3MA 71AR 6	230/460	1.22/0.61	60	0.25	6	71
	230/460	1.34/0.67	50	0.25	6	71
3MA 71A 2	230/460	2.2/1.1	60	0.75	2	71
	230/460	2.3/1.15	50	0.75	2	71
	230/400	2.2/1.27	60	0.75	2	71



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

	230/400	2.31/1.33	50	0.75	2	71
	575	0.82	60	0.75	2	71
	575	0.89	50	0.75	2	71
	600	0.79	60	0.75	2	71
	600	0.85	50	0.75	2	71
3MA 71A 4	230/460	1.64/0.82	60	0.50	4	71
	230/460	1.86/0.93	50	0.50	4	71
	230/400	1.64/0.94	60	0.50	4	71
	230/400	1.86/1.07	50	0.50	4	71
	575	0.65	60	0.50	4	71
	575	0.73	50	0.50	4	71
	600	0.62	60	0.50	4	71
	600	0.70	50	0.50	4	71
3MA 71A 6	230/460	1.56/0.78	60	0.33	6	71
	230/460	1.72/0.86	50	0.33	6	71
3EMA 80C 2	230/460	2.7/1.35	60	1	2	80
	230/460	3.0/1.5	50	1.0	2	80
	230/400	2.7/1.55	60	1.0	2	80
	230/400	3.03/1.74	50	1.0	2	80
	575	1.09	60	1.0	2	80
	575	1.15	50	1.0	2	80
	600	1.04	60	1.0	2	80
	600	1.1	50	1.0	2	80
3MA 80C 4	230/460	2.3/1.15	60	0.75	4	80
	230/460	2.59/1.3	50	0.75	4	80
	230/400	2.3/1.32	60	0.75	4	80
	230/400	2.59/1.49	50	0.75	4	80
	575	0.95	60	0.75	4	80
	575	1.14	50	0.75	4	80
	600	0.91	60	0.75	4	80
	600	1.09	50	0.75	4	80
3MA 80C 6	230/460	1.9/0.95	60	0.50	6	80
	230/460	2.2/1.1	50	0.50	6	80
	230/400	2.0/1.15	60	0.50	6	80
	230/400	2.14/1.23	50	0.50	6	80
	575	0.75	60	0.50	6	80
	575	0.84	50	0.50	6	80
	600	0.72	60	0.50	6	80
	600	0.81	50	0.50	6	80
3MA 80C 8	230/460	1.32/0.66	60	0.25	8	80
	230/460	1.52/0.76	50	0.25	8	80



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

3EMA 80A 2	230/460	3.9/1.95	60	1.5	2	80
	230/460	4.3/2.15	50	1.5	2	80
	230/400	3.9/2.24	60	1.5	2	80
	230/400	4.31/2.48	50	1.5	2	80
	575	1.54	60	1.5	2	80
	575	1.68	50	1.5	2	80
	600	1.48	60	1.5	2	80
	600	1.61	50	1.5	2	80
3EMA 80A 4	230/460	3.2/1.6	60	1.0	4	80
	230/460	3.4/1.7	50	1.0	4	80
	230/400	3.13/1.80	60	1.0	4	80
	230/400	3.36/1.93	50	1.0	4	80
	575	1.21	60	1.0	4	80
	575	1.39	50	1.0	4	80
	600	1.16	60	1.0	4	80
	600	1.33	50	1.0	4	80
3MA 80A 6	230/460	2.7/1.35	60	0.75	6	80
	230/460	2.96/1.5	50	0.75	6	80
	230/400	2.7/1.55	60	0.75	6	80
	230/400	2.96/1.70	50	0.75	6	80
	575	1.1	60	0.75	6	80
	575	1.26	50	0.75	6	80
	600	1.05	60	0.75	6	80
	600	1.21	50	0.75	6	80
3MA 80A 8	230/460	1.68/0.84	60	0.33	8	80
	230/460	1.9/0.95	50	0.33	8	80
3EMA 90S 2	230/460	5.4/2.7	60	2.0	2	90
	230/460	5.7/2.85	50	2.0	2	90
	230/400	5.37/3.09	60	2.0	2	90
	230/400	5.7/3.28	50	2.0	2	90
	575	2.1	60	2.0	2	90
	575	2.26	50	2.0	2	90
	600	2.01	60	2.0	2	90
	600	2.17	50	2.0	2	90
3EMA 90S 4	230/460	4.4/2.2	60	1.5	4	90
	230/460	4.7/2.35	50	1.5	4	90
	230/400	4.45/2.56	60	1.5	4	90
	230/400	4.71/2.71	50	1.5	4	90
	575	1.71	60	1.5	4	90
	575	1.94	50	1.5	4	90
	600	1.64	60	1.5	4	90



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

3EMA 90S 6	600	1.86	50	1.5	4	90
	230/460	3.4/1.7	60	1.0	6	90
	230/460	3.9/1.95	50	1.0	6	90
	230/400	3.4/2.0	60	1.0	6	90
	230/400	3.9/2.24	50	1.0	6	90
	575	1.37	60	1.0	6	90
	575	1.62	50	1.0	6	90
	600	1.31	60	1.0	6	90
	600	1.55	50	1.0	6	90
3MA 90S 8	230/460	2.4/1.2	60	0.50	8	90
	230/460	2.8/1.4	50	0.50	8	90
3EMA 90L 2	230/460	7.6/3.8	60	3.0	2	90
	230/460	8.02/4.01	50	3.0	2	90
	230/400	7.57/4.35	60	3.0	2	90
	230/400	8.02/4.61	50	3.0	2	90
	575	3.02	60	3.0	2	90
	575	3.34	50	3.0	2	90
	600	2.89	60	3.0	2	90
	600	3.2	50	3.0	2	90
3EMA 90L 4	230/460	5.6/2.8	60	2.0	4	90
	230/460	6.4/3.2	50	2.0	4	90
	230/400	5.6/3.22	60	2.0	4	90
	230/400	6.4/3.68	50	2.0	4	90
	575	2.28	60	2.0	4	90
	575	2.56	50	2.0	4	90
	600	2.2	60	2.0	4	90
	600	2.5	50	2.0	4	90
3EMA 90L 6	230/460	4.8/2.4	60	1.5	6	90
	230/460	5.5/2.75	50	1.5	6	90
	230/400	4.8/2.76	60	1.5	6	90
	230/400	5.5/3.16	50	1.5	6	90
	575	1.89	60	1.5	6	90
	575	2.19	50	1.5	6	90
	600	1.81	60	1.5	6	90
	600	2.1	50	1.5	6	90
3MA 90L 8	230/460	3.0/1.5	60	0.75	8	90
	230/460	3.5/1.75	50	0.75	8	90
3EMA 100L 2	230/460	10.0/5.0	60	4.0	2	100
	230/460	10.5/5.25	50	4.0	2	100
	230/400	9.98/5.74	60	4.0	2	100
	230/400	10.5/6.03	50	4.0	2	100



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

	575	4.0	60	4.0	2	100
	575	4.4	50	4.0	2	100
	600	3.83	60	4.0	2	100
	600	4.22	50	4.0	2	100
3EMA 100L 6	230/460	6.2/3.1	60	2.0	6	100
	230/460	6.5/3.25	50	2.0	6	100
	230/400	6.2/3.56	60	2.0	6	100
	230/400	6.5/3.74	50	2.0	6	100
	575	2.45	60	2.0	6	100
	575	2.76	50	2.0	6	100
	600	2.35	60	2.0	6	100
	600	2.65	50	2.0	6	100
3EMA 100L 4	230/460	8.0/4.0	60	3.0	4	100
	230/460	8.4/4.2	50	3.0	4	100
	230/400	8/4.6	60	3.0	4	100
	230/400	8.4/4.83	50	3.0	4	100
	575	3.19	60	3.0	4	100
	575	3.64	50	3.0	4	100
	600	3.06	60	3.0	4	100
	600	3.49	50	3.0	4	100
3MA 100L 8	230/460	3.8/1.9	60	1.0	8	100
	230/460	3.95/2.0	50	1.0	8	100
	230/400	3.76/2.16	60	1.0	8	100
	230/400	3.95/2.27	50	1.0	8	100
	575	1.57	60	1.0	8	100
	575	1.81	50	1.0	8	100
	600	1.51	60	1.0	8	100
	600	1.74	50	1.0	8	100
3EMA 100LA 4	230/460	10.6/5.3	60	4.0	4	100
	230/460	11.1/5.55	50	4.0	4	100
	230/400	10.6/6.1	60	4.0	4	100
	230/400	11.1/6.4	50	4.0	4	100
	575	4.3	60	4.0	4	100
	575	5.0	50	4.0	4	100
	600	4.1	60	4.0	4	100
	600	4.8	50	4.0	4	100
3MA 100LA 8	230/460	5.2/2.6	60	1.5	8	100
	230/460	5.48/2.74	50	1.5	8	100
	230/400	5.22/3.0	60	1.5	8	100
	230/400	5.48/3.15	50	1.5	8	100
	575	2.18	60	1.5	8	100
	575	2.54	50	1.5	8	100



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

3EMA 112MR 2	600	2.09	60	1.5	8	100
	600	2.44	50	1.5	8	100
	230/460	13.0/6.5	60	5.5	2	112
	230/460	14.95/7.48	50	5.5	2	112
	230/400	7.42/4.3	60	5.5	2	112
	230/400	7.79/4.52	50	5.5	2	112
	575	5.4	60	5.5	2	112
	575	6.21	50	5.5	2	112
	600	5.17	60	5.5	2	112
	600	6.95	50	5.5	2	112
3EMA 112M 4	230/460	14.0/7.0	60	5.5	4	112
	230/460	16.1/8.05	50	5.5	4	112
	230/400	8.0/4.64	60	5.5	4	112
	230/400	8.4/4.87	50	5.5	4	112
	575	5.83	60	5.5	4	112
	575	6.7	50	5.5	4	112
	600	5.59	60	5.5	4	112
	600	6.4	50	5.5	4	112
3EMA 112M 6	230/460	8.8/4.4	60	3.0	6	112
	230/460	10.12/5.06	50	3.0	6	112
	230/400	8.77/5.04	60	3.0	6	112
	230/400	9.2/5.29	50	3.0	6	112
	575	3.68	60	3.0	6	112
	575	4.23	50	3.0	6	112
	600	3.53	60	3.0	6	112
	600	4.05	50	3.0	6	112
3MA 112M 8	230/460	7.4/3.7	60	2.0	8	112
	230/460	8.51/4.26	50	2.0	8	112
	230/400	6.87/3.95	60	2.0	8	112
	230/400	7.2/4.15	50	2.0	8	112
	575	2.91	60	2.0	8	112
	575	3.35	50	2.0	8	112
	600	2.79	60	2.0	8	112
	600	3.21	50	2.0	8	112
3EMA 132S 2	230/460	17.6/8.8	60	7.5	2	132
	230/460	19.712/9.86	50	7.5	2	132
	400/690	10/5.8	60	7.5	2	132
	400/690	10.5/6.09	50	7.5	2	132
	575	7.3	60	7.5	2	132
	575	8.18	50	7.5	2	132
	600	7.0	60	7.5	2	112
	600	7.8	50	7.5	2	112



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

3EMA 132S 4	230/460	18.2/9.1	60	7.5	4	132
	230/460	20.38/10.19	50	7.5	4	132
	400/690	10.7/6.2	60	7.5	4	132
	400/690	11.2/6.5	50	7.5	4	132
	575	7.83	60	7.5	4	132
	575	8.77	50	7.5	4	132
	600	7.5	60	7.5	4	132
	600	8.4	50	7.5	4	132
3EMA 132S 6	230/460	11.4/5.7	60	4.0	6	132
	230/460	12.77/6.38	50	4.0	6	132
	400/690	11.8/6.8	60	4.0	6	132
	400/690	12.3/7.1	50	4.0	6	132
	575	4.89	60	4.0	6	132
	575	5.48	50	4.0	6	132
	600	4.69	60	4.0	6	132
	600	5.25	50	4.0	6	132
3MA 132S 8	230/460	9.2/4.6	60	3.0	8	132
	230/460	10.3/5.15	50	3.0	8	132
	230/400	9.4/5.4	60	3.0	8	132
	230/400	9.9/5.7	50	3.0	8	132
	575	3.99	60	3.0	8	132
	575	4.47	50	3.0	8	132
	600	3.82	60	3.0	8	132
	600	4.28	50	3.0	8	132
3EMA 132SA 2	230/460	23.6/11.8	60	10	2	132
	230/460	26.43/13.22	50	10	2	132
	400/690	13.4/7.77	60	10	2	132
	400/690	14.1/8.2	50	10	2	132
	575	9.8	60	10	2	132
	575	10.98	50	10	2	132
	600	9.39	60	10	2	132
	600	10.5	50	10	2	132
3EMA 132M 4	230/460	26.8/13.4	60	10	4	132
	230/460	30.02/15.0	50	10	4	132
	400/690	14.1/8.2	60	10	4	132
	400/690	14.8/8.6	50	10	4	132
	575	10.3	60	10	4	132
	575	11.54	50	10	4	132
	600	9.87	60	10	4	132
	600	11.06	50	10	4	132
3MA 132M 8	230/460	12.2/6.1	60	4.0	8	132
	230/460	13.66/6.83	50	4.0	8	132



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

	230/400	12.4/7.1	60	4.0	8	132
	230/400	13.0/7.5	50	4.0	8	132
	575	5.22	60	4.0	8	132
	575	5.85	50	4.0	8	132
	600	5.0	60	4.0	8	132
	600	5.6	50	4.0	8	132
3EMA 132M 6	230/460	14.8/7.4	60	5.5	6	132
	230/460	16.58/8.3	50	5.5	6	132
	400/690	8.8/5.1	60	5.5	6	132
	400/690	9.2/5.3	50	5.5	6	132
	575	6.44	60	5.5	6	132
	575	7.21	50	5.5	6	132
	600	6.17	60	5.5	6	132
	600	6.91	50	5.5	6	132
3EMA 132MA 6	230/460	19.0/9.5	60	7.5	6	132
	230/460	21.28/10.64	50	7.5	6	132
	400/690	11.6/6.7	60	7.5	6	132
	400/690	12.2/7.1	50	7.5	6	132
	575	8.54	60	7.5	6	132
	575	9.56	50	7.5	6	132
	600	8.18	60	7.5	6	132
	600	9.16	50	7.5	6	132
1EM-1 160M 4	230/460	36.0/18.0	60	15	4	160
	230/460	39.6/19.8	50	15	4	160
	400/690	20.2/11.7	60	15	4	160
	400/690	21.2/12.3	50	15	4	160
	575	14.8	60	15	4	160
	575	16.28	50	15	4	160
	600	14.2	60	15	4	160
	600	15.6	50	15	4	160
1EM-1 160M 6	230/460	27.2/13.6	60	10	6	160
	230/460	29.92/14.96	50	10	6	160
	400/690	15.4/8.9	60	10	6	160
	400/690	16.2/9.4	50	10	6	160
	575	11.2	60	10	6	160
	575	12.32	50	10	6	160
	600	10.7	60	10	6	160
	600	10.9	50	10	6	160
1EM-1 160MC 2	230/460	35.2/17.6	60	15	2	160
	230/460	38.72/19.36	50	15	2	160
	400/690	19.2/11.1	60	15	2	160
	400/690	20.2/11.7	50	15	2	160



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

1M-1 160MC 8	575	14.1	60	15	2	160
	575	15.51	50	15	2	160
	600	13.5	60	15	2	160
	600	14.86	50	15	2	160
	230/460	16.2/8.1	60	5.5	8	160
	230/460	17.82/8.91	50	5.5	8	160
	400/690	9.2/5.4	60	5.5	8	160
	400/690	9.7/5.6	50	5.5	8	160
1EM-1 160M 2	575	6.79	60	5.5	8	160
	575	7.47	50	5.5	8	160
	600	6.51	60	5.5	8	160
	600	7.16	50	5.5	8	160
	230/460	47.0/23.5	60	20	2	160
	230/460	51.7/25.85	50	20	2	160
	400/690	25.9/15	60	20	2	160
	400/690	27.2/15.8	50	20	2	160
1M-1 160M 8	575	19.0	60	20	2	160
	575	20.9	50	20	2	160
	600	18.2	60	20	2	160
	600	20.0	50	20	2	160
	230/460	21.3/10.65	60	7.5	8	160
	230/460	23.43/11.72	50	7.5	8	160
	400/690	12.4/7.2	60	7.5	8	160
	400/690	13.0/7.5	50	7.5	8	160
1EM-1 160L 2	575	8.99	60	7.5	8	160
	575	9.89	50	7.5	8	160
	600	8.62	60	7.5	8	160
	600	9.48	50	7.5	8	160
	230/460	56.6/28.3	60	25	2	160
	230/460	62.26/31.13	50	25	2	160
	400/690	33/19.1	60	25	2	160
	400/690	36.3/21	50	25	2	160
1EM-1 160L 4	575	22.9	60	25	2	160
	575	25.19	50	25	2	160
	600	21.95	60	25	2	160
	600	24.14	50	25	2	160
	230/460	49/24.5	60	20	4	160
	230/460	53.9/26.95	50	20	4	160
	400/690	27.1/15.7	60	20	4	160
	400/690	28.5/16.5	50	20	4	160
	575	19.9	60	20	4	160
	575	21.89	50	20	4	160



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

1EM-1 160L 6	600	19.0	60	20	4	160
	600	20.98	50	20	4	160
	230/460	39/19.5	60	15	6	160
	230/460	42.9/21.45	50	15	6	160
	400/690	21.8/12.6	60	15	6	160
	400/690	22.9/13.3	50	15	6	160
	575	16.0	60	15	6	160
	575	17.6	50	15	6	160
	600	15.3	60	15	6	160
	600	16.9	50	15	6	160
1M-1 160L 8	230/460	28.0/14.0	60	10	8	160
	230/460	30.8/15.4	50	10	8	160
	400/690	16.1/9.3	60	10	8	160
	400/690	16.9/9.8	50	10	8	160
	575	11.7	60	10	8	160
	575	12.87	50	10	8	160
	600	11.2	60	10	8	160
	600	12.33	50	10	8	160
1EM-1 180M 2	230/460	66.8/33.4	60	30	2	180
	230/460	73.48/36.74	50	30	2	180
	400/690	37.1/21.5	60	30	2	180
	400/690	39/22.6	50	30	2	180
	575	27.1	60	30	2	180
	575	29.81	50	30	2	180
	600	25.97	60	30	2	180
	600	28.57	50	30	2	180
1EM-1 180M 4	230/460	60.2/30.1	60	25	4	180
	230/460	66.22/33.11	50	25	4	180
	400/690	33.6/19.5	60	25	4	180
	400/690	34.9/21.5	50	25	4	180
	575	24.1	60	25	4	180
	575	26.51	50	25	4	180
	600	23.1	60	25	4	180
	600	25.4	50	25	4	180
1EM-1 180L 4	230/460	68.5/34.25	60	30	4	180
	230/460	75.35/37.68	50	30	4	180
	400/690	39.3/22.8	60	30	4	180
	400/690	41.3/23.9	50	30	4	180
	575	28.6	60	30	4	180
	575	31.46	50	30	4	180
	600	27.4	60	30	4	180
	600	30.15	50	30	4	180



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

1EM-1 180L 6	230/460	51.2/25.6	60	20	6	180
	230/460	56.32/28.16	50	20	6	180
	400/690	28.8/16.7	60	20	6	180
	400/690	30/17.4	50	20	6	180
	575	20.9	60	20	6	180
	575	22.99	50	20	6	180
	600	20.0	60	20	6	180
	600	22.03	50	20	6	180
1M-1 180L 8	230/460	40.0/20.0	60	15	8	180
	230/460	44/22	50	15	8	180
	400/690	22.7/13.1	60	15	8	180
	400/690	23.8/13.8	50	15	8	180
	575	16.6	60	15	8	180
	575	18.26	50	15	8	180
	600	15.9	60	15	8	180
	600	17.5	50	15	8	180
1EM-1 200L 4	230/460	93.0/46.5	60	40	4	200
	230/460	100.44/50.22	50	40	4	200
	400/690	54/31.3	60	40	4	200
	400/690	55.1/31.9	50	40	4	200
	575	38.1	60	40	4	200
	575	41.15	50	40	4	200
	600	36.5	60	40	4	200
	600	39.4	50	40	4	200
1M-1 200L 8	230/460	52.7/26.35	60	20	8	200
	230/460	56.9/28.46	50	20	8	200
	400/690	31.8/18.4	60	20	8	200
	400/690	32.4/18.8	50	20	8	200
	575	22.5	60	20	8	200
	575	24.3	50	20	8	200
	600	21.6	60	20	8	200
	600	23.3	50	20	8	200
1EM-1 200LC 2	230/460	91.8/45.9	60	40	2	200
	230/460	99/49.57	50	40	2	200
	400/690	49.3/28.6	60	40	2	200
	400/690	52.6/30.5	50	40	2	200
	575	36.7	60	40	2	200
	575	39.6	50	40	2	200
	600	35.2	60	40	2	200
	600	38.0	50	40	2	200
1EM-1 200LC 6	230/460	61.4/30.7	60	25	6	200
	230/460	66.3/33.16	50	25	6	200



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

	400/690	35.9/20.8	60	25	6	200
	400/690	36.6/21.2	50	25	6	200
	575	25.5	60	25	6	200
	575	27.54	50	25	6	200
	600	24.4	60	25	6	200
	600	26.4	50	25	6	200
1EM-1 200L 2	230/460	112.8/56.4	60	50	2	200
	230/460	121.8/60.9	50	50	2	200
	400/690	63.2/36.6	60	50	2	200
	400/690	64.5/37.4	50	50	2	200
	575	44.9	60	50	2	200
	575	48.5	50	50	2	200
	600	43.0	60	50	2	200
	600	46.5	50	50	2	200
1EM-1 200L 6	230/460	72.6/36.3	60	30	6	200
	230/460	78.4/39.2	50	30	6	200
	400/690	41.6/24.1	60	30	6	200
	400/690	42.4/24.6	50	30	6	200
	575	29.6	60	30	6	200
	575	31.97	50	30	6	200
	600	28.4	60	30	6	200
	600	30.6	50	30	6	200
1EM-1 225M 2	230/460	132.6/66.3	60	60	2	225
	230/460	139.2/69.6	50	60	2	225
	400/690	77.2/44.8	60	60	2	225
	400/690	78.0/45.2	50	60	2	225
	575	53.7	60	60	2	225
	575	54.3	50	60	2	225
	600	51.5	60	60	2	225
	600	52.0	50	60	2	225
1EM-1 225M 4	230/460	135.8/67.9	60	60	4	225
	230/460	142.6/71.3	50	60	4	225
	400/690	79.9/46.3	60	60	4	225
	400/690	80.7/46.8	50	60	4	225
	575	55.6	60	60	4	225
	575	56.1	50	60	4	225
	600	53.3	60	60	4	225
	600	53.8	50	60	4	225
1EM-1 225M 6	230/460	96.6/48.3	60	40	6	225
	230/460	101.4/50.7	50	40	6	225
	400/690	55.7/32.2	60	40	6	225
	400/690	56.3/32.6	50	40	6	225



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

	575	38.8	60	40	6	225
	575	39.2	50	40	6	225
	600	37.2	60	40	6	225
	600	37.6	50	40	6	225
1M-1 225M 8	230/460	75.6/37.8	60	30	8	225
	230/460	79.4/39.7	50	30	8	225
	400/690	44.6/25.8	60	30	8	225
	400/690	45.0/26.1	50	30	8	225
	575	31.0	60	30	8	225
	575	31.3	50	30	8	225
	600	29.7	60	30	8	225
	600	30.0	50	30	8	225
1EM-1 225S 4	230/460	111.8/55.9	60	50	4	225
	230/460	116.4/58.2	50	50	4	225
	400/690	66.0/38.3	60	50	4	225
	400/690	66.7/38.7	50	50	4	225
	575	46.0	60	50	4	225
	575	46.4	50	50	4	225
	600	44.1	60	50	4	225
	600	44.5	50	50	4	225
1M-1 225S 8	230/460	63.2/31.6	60	25	8	225
	230/460	66.4/33.2	50	25	8	225
	400/690	38.6/22.4	60	25	8	225
	400/690	39.0/26.6	50	25	8	225
	575	26.9	60	25	8	225
	575	27.2	50	25	8	225
	600	25.8	60	25	8	225
	600	26.1	50	25	8	225
1EM-1 250M 2	230/460	164.8/82.4	60	75	2	250
	230/460	173/86.5	50	75	2	250
	400/690	93.9/54.4	60	75	2	250
	400/690	94.8/55.0	50	75	2	250
	575	65.3	60	75	2	250
	575	66.0	50	75	2	250
	600	62.6	60	75	2	250
	600	63.3	50	75	2	250
1EM-1 250M 4	230/460	170/85.0	60	75	4	250
	230/460	176/88	50	75	4	250
	400/690	97.1/56.3	60	75	4	250
	400/690	98.1/56.9	50	75	4	250
	575	67.6	60	75	4	250
	575	68.3	50	75	4	250



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

1EM-1 250M 6	600	64.8	60	75	4	250
	600	65.5	50	75	4	250
	230/460	113.8/56.9	60	50	6	250
	230/460	119/59.5	50	50	6	250
	400/690	66.7/38.7	60	50	6	250
	400/690	67.4/39.1	50	50	6	250
	575	46.5	60	50	6	250
	575	47.0	50	50	6	250
	600	44.6	60	50	6	250
	600	45.0	50	50	6	250
1M-1 250M 8	230/460	100.2/50.1	60	40	8	250
	230/460	105/52.5	50	40	8	250
	400/690	59.7/34.6	60	40	8	250
	400/690	60.3/35.0	50	40	8	250
	575	41.5	60	40	8	250
	575	41.9	50	40	8	250
	600	39.8	60	40	8	250
	600	40.2	50	40	8	250
1EM-1 280S 2	460	115	60	100	2	280
	230/460	220.9/110.5	50	100	2	280
	400/690	126/72.9	60	100	2	280
	400/690	127/73.6	50	100	2	280
	575	87.5	60	100	2	280
	575	88.4	50	100	2	280
	600	83.9	60	100	2	280
	600	84.7	50	100	2	280
1EM-1 280S 4	460	112	60	100	4	280
	230/460	231.3/115.7	50	100	4	280
	400/690	132/76.3	60	100	4	280
	400/690	133/77.1	50	100	4	280
	575	91.6	60	100	4	280
	575	92.5	50	100	4	280
	600	87.8	60	100	4	280
	600	88.6	50	100	4	280
1EM-1 280S 6	460	69.7	60	60	6	280
	230/460	141.9/70.95	50	60	6	280
	400/690	80.8/46.8	60	60	6	280
	400/690	81.6/47.3	50	60	6	280
	575	56.2	60	60	6	280
	575	56.8	50	60	6	280
	600	53.9	60	60	6	280
	600	54.4	50	60	6	280



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

1M-1 280S 8	460	62.7	60	50	8	280
	230/460	128.5/64.3	50	50	8	280
	400/690	73.2/42.4	60	50	8	280
	400/690	73.9/42.8	50	50	8	280
	575	50.9	60	50	8	280
	575	51.4	50	50	8	280
	600	48.8	60	50	8	280
	600	49.3	50	50	8	280
1EM-1 280M 2	460	135	60	125	2	280
	230/460	264.3/132.2	50	125	2	280
	400/690	151/87.2	60	125	2	280
	400/690	152/88.1	50	125	2	280
	575	105	60	125	2	280
	575	106	50	125	2	280
	600	101	60	125	2	280
	600	102	50	125	2	280
1EM-1 280M 4	460	133	60	125	4	280
	230/460	276.5/138.3	50	125	4	280
	400/690	157/91.3	60	125	4	280
	400/690	159/92.2	50	125	4	280
	575	110	60	125	4	280
	575	111	50	125	4	280
	600	105	60	125	4	280
	600	106	50	125	4	280
1EM-1 280M 6	460	84.6	60	75	6	280
	230/460	173/86.5	50	75	6	280
	400/690	98.5/57.1	60	75	6	280
	400/690	99.5/57.5	50	75	6	280
	575	68.5	60	75	6	280
	575	69.2	50	75	6	280
	600	65.6	60	75	6	280
	600	66.3	50	75	6	280
1M-1 280M 8	460	74.4	60	60	8	280
	230/460	155.3/77.7	50	60	8	280
	400/690	88.4/51.3	60	60	8	280
	400/690	89.3/51.8	50	60	8	280
	575	61.6	60	60	8	280
	575	62.2	50	60	8	280
	600	59.0	60	60	8	280
	600	59.6	50	60	8	280
1EM-1 315S 2	460	165	60	150	2	315
	230/460	323.5/161.8	50	150	2	315



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

	400/690	185/107	60	150	2	315
	400/690	186/108	50	150	2	315
	575	128	60	150	2	315
	575	129	50	150	2	315
	600	123	60	150	2	315
	600	124	50	150	2	315
1EM-1 315S 4	460	166	60	150	4	315
	230/460	332/166	50	150	4	315
	400/690	190/110	60	150	4	315
	400/690	191/111	50	150	4	315
	575	132	60	150	4	315
	575	133	50	150	4	315
	600	127	60	150	4	315
	600	128	50	150	4	315
1EM-1 315S 6	460	115	60	100	6	315
	230/460	234.8/167.4	50	100	6	315
	400/690	134/77.9	60	100	6	315
	400/690	135/78.3	50	100	6	315
	575	93.2	60	100	6	315
	575	93.7	50	100	6	315
	600	89.3	60	100	6	315
	600	89.8	50	100	6	315
1M-1 315S 8	460	88.8	60	75	8	315
	230/460	184.3/92.2	50	75	8	315
	400/690	105/61.1	60	75	8	315
	400/690	106/61.4	50	75	8	315
	575	73.1	60	75	8	315
	575	73.5	50	75	8	315
	600	70.1	60	75	8	315
	600	70.4	50	75	8	315
1EM-1 315M 2	460	195	60	175	2	315
	230/460	384.3/192.2	50	175	2	315
	400/690	220/127	60	175	2	315
	400/690	221/128	50	175	2	315
	575	153	60	175	2	315
	575	154	50	175	2	315
	600	147	60	175	2	315
	600	148	50	175	2	315
1EM-1 315M 4	460	196	60	175	4	315
	230/460	396.5/198.8	50	175	4	315
	400/690	227/132	60	175	4	315
	400/690	228/132	50	175	4	315



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

	575	158	60	175	4	315
	575	159	50	175	4	315
	600	151	60	175	4	315
	600	152	50	175	4	315
1EM-1 315M 6	460	136	60	125	6	315
	230/460	280/140	50	125	6	315
	400/690	160/92.9	60	125	6	315
	400/690	161/93.3	50	125	6	315
	575	111	60	125	6	315
	575	112	50	125	6	315
	600	106	60	125	6	315
	600	107	50	125	6	315
1M-1 315M 8	460	121	60	100	8	315
	230/460	248.7/124.4	50	100	8	315
	400/690	142/82.5	60	100	8	315
	400/690	143/82.9	50	100	8	315
	575	99.5	60	100	8	315
	575	100	50	100	8	315
	600	95.4	60	100	8	315
	600	95.8	50	100	8	315
1EM-1 315MA 2	460	234	60	220	2	315
	230/460	462.6/231.3	50	220	2	315
	400/690	265/153	60	220	2	315
	400/690	266/154	50	220	2	315
	575	184	60	220	2	315
	575	185	50	220	2	315
	600	176	60	220	2	315
	600	177	50	220	2	315
1EM-1 315MA 4	460	236	60	220	4	315
	230/460	474.8/237.4	50	220	4	315
	400/690	272/157	60	220	4	315
	400/690	273/158	50	220	4	315
	575	189	60	220	4	315
	575	190	50	220	4	315
	600	181	60	220	4	315
	600	182	50	220	4	315
1EM-1 315MA 6	460	166	60	150	6	315
	230/460	340.9/170.5	50	150	6	315
	400/690	195/113	60	150	6	315
	400/690	196/114	50	150	6	315
	575	136	60	150	6	315
	575	137	50	150	6	315



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

1M-1 315MA 8	600	130	60	150	6	315
	600	131	50	150	6	315
	460	145	60	125	8	315
	230/460	293.9/147	50	125	8	315
	400/690	168/97.5	60	125	8	315
	400/690	169/98	50	125	8	315
	575	116	60	125	8	315
	575	117	50	125	8	315
	600	111	60	125	8	315
	600	112	50	125	8	315
1EM-1 315MB 2	460	294	60	270	2	315
	230/460	575.7/287.9	50	270	2	315
	400/690	330/191	60	270	2	315
	400/690	331/192	50	270	2	315
	575	229	60	270	2	315
	575	230	50	270	2	315
	600	220	60	270	2	315
	600	221	50	270	2	315
1EM-1 315MB 4	460	295	60	270	4	315
	230/460	594.8/297.9	50	270	4	315
	400/690	342/198	60	270	4	315
	400/690	342/198	50	270	4	315
	575	237	60	270	4	315
	575	238	50	270	4	315
	600	227	60	270	4	315
	600	228	50	270	4	315
1EM-1 315MB 6	460	197	60	175	6	315
	230/460	403.5/201.8	50	175	6	315
	400/690	231/134	60	175	6	315
	400/690	232/134	50	175	6	315
	575	161	60	175	6	315
	575	162	50	175	6	315
	600	154	60	175	6	315
	600	155	50	175	6	315
1M-1 315MB 8	460	174	60	150	8	315
	230/460	356.5/178.3	50	150	8	315
	400/690	203/118	60	150	8	315
	400/690	205/119	50	150	8	315
	575	142	60	150	8	315
	575	143	50	150	8	315
	600	136	60	150	8	315
	600	137	50	150	8	315



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

1EM-1 355M 2	460	354	60	350	2	355
	230/460	717/358.5	50	350	2	355
	400/690	412/239	60	350	2	355
	400/690	412/239	50	350	2	355
	575	287	60	350	2	355
	575	287	50	350	2	355
	600	275	60	350	2	315
	600	275	50	350	2	315
1EM-1 355M 4	460	366	60	350	4	355
	230/460	732.2/366.1	50	350	4	355
	400/690	421/244	60	350	4	355
	400/690	421/244	50	350	4	355
	575	293	60	350	4	355
	575	293	50	350	4	355
	600	281	60	350	4	355
	600	281	50	350	4	355
1EM-1 355M 6	460	238	60	220	6	355
	230/460	481.7/240.9	50	220	6	355
	400/690	276/160	60	220	6	355
	400/690	277/161	50	220	6	355
	575	192	60	220	6	355
	575	193	50	220	6	355
	600	184	60	220	6	355
	600	185	50	220	6	355
1M-1 355M 8	460	214	60	175	8	355
	230/460	431.3/215.7	50	175	8	355
	400/690	247/143	60	175	8	355
	400/690	248/144	50	175	8	355
	575	172	60	175	8	355
	575	173	50	175	8	355
	600	165	60	175	8	355
	600	166	50	175	8	355
1EM-1 355MA 6	460	296	60	270	6	355
	230/460	603.5/301.8	50	270	6	355
	400/690	345/200	60	270	6	355
	400/690	347/201	50	270	6	355
	575	240	60	270	6	355
	575	241	50	270	6	355
	600	230	60	270	6	355
	600	231	50	270	6	355
1M-1 355MA 8	460	257	60	220	8	355
	230/460	520/260	50	220	8	355



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

	400/690	297/172	60	220	8	355
	400/690	299/173	50	220	8	355
	575	232	60	220	8	355
	575	233	50	220	8	355
	600	222	60	220	8	355
	600	223	50	220	8	355
1EM-1 355MA 2	460	444	60	425	2	355
	230/460	899/449.5	50	425	2	355
	400/690	517/300	60	425	2	355
	400/690	517/300	50	425	2	355
	575	360	60	425	2	355
	575	360	50	425	2	355
	600	345	60	425	2	355
	600	345	50	425	2	355
1EM-1 355LC 4	460	461	60	425	4	355
	230/460	923.5/461.8	50	425	4	355
	400/690	531/309	60	425	4	355
	400/690	531/309	50	425	4	355
	575	369	60	425	4	355
	575	369	50	425	4	355
	600	354	60	425	4	355
	600	354	50	425	4	355
1EM-1 355L 6	460	368	60	350	6	355
	230/460	754.8/377.4	50	350	6	355
	400/690	433/251	60	350	6	355
	400/690	434/252	50	350	6	355
	575	300	60	350	6	355
	575	302	50	350	6	355
	600	288	60	350	6	355
	600	289	50	350	6	355
1M-1 355L 8	460	318	60	270	8	355
	230/460	640/320	50	270	8	355
	400/690	366/212	60	270	8	355
	400/690	368/213	50	270	8	355
	575	255	60	270	8	355
	575	256	50	270	8	355
	600	244	60	270	8	355
	600	245	50	270	8	355



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

APPLICABLE REQUIREMENTS

CSA-C22.2 No. 100-04 - Motors and Generators
UL 1004-Fifth Edition - Electric Motors

MARKINGS

- (1) Company's name and/or CSA file number "260395 "
- (2) Model designation
- (3) Electrical Ratings (rated voltage, rated amp, HP, No of poles, frequency, number of phases)
- (4) Insulation class
- (5) Maximum ambient
- (6) Type of Enclosure (TEFC)
- (7) Date code or serial number
- (8) CSA Mark with "CUS" indicator

Method of Marking:

Stamped onto a stainless steel nameplate and secured to the motor enclosure with rivets.
Suitable wiring diagram is provided on the connection box cover.



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

PRODUCTS

CLASS 4211 01-MOTORS AND GENERATORS

CLASS 4211 81-MOTORS AND GENERATORS-CERTIFIED TO U.S. STANDARDS

Three phase induction motor, Cat No 1HU-1 Series, 200 hp max, 208-230/460, 575V, 60Hz, Class F, 40 C ambient, SF 1.15, frames series 143 to 447, 2, 4 and 6 pole, TEFC

Naming rules:

Sample Catalog No	<u>1HU-1</u>	<u>015</u>	<u>4</u>	<u>F</u>	<u>B</u>	<u>A</u>
Position No	1	2	3	4	5	6

Position 1: Series High efficiency, NEMA design B.

Position 2: HP

Y15:	1.5 HP
Y75:	7.5 HP
001 :	1 HP
015 :	15 HP
100 :	100 HP

Position 3: Poles

2:	2 poles
4:	4 poles
6:	6 poles
8:	8 poles

Position 4: Enclosure F: TEFC

Position 5: Meeting

B:	Rigid base standard
C:	AC≅ face-no base
D:	AD≅ face-no base
K:	Rigid mount with AC≅ flange
L:	Rigid mount with AD≅ flange

Position 6: HZ/Volts

A:	60Hz/208-230/460V
B:	60Hz/575V



Certificate: 2705412

Master Contract: 260395

Project: 2705412

Date Issued: May 16, 2014

APPLICABLE REQUIREMENTS

CSA-C22.2 No. 100-95 - Motors and Generators
UL 1004-Edition 2002 - Electric Motors

MARKINGS

Company's name, Cat No, complete electrical rating in horsepower, volts, hertz, amperes, class insulation, ambient temperature, rated speed, phase, duty continuous, service factor (if applicable), frame size, connection diagram, enclosure designation and the CSA Monogram with C/US indicator appears on a metal plate held in place with rivets. Motor manufacturing date code appears on the nameplate as part of the serial number.