Addendum - Three-Phase Motors HiTemp

TABLE 48 Hi Temp 90°C Three-Phase Motor Specifications (50Hz), 2875 RPM, 1.0 Service Factor

Type	Motor Model Prefix	Nameplate Rating					Full Load watts	Line to Line Resistance (Ohms)	Efficiency %			Power Factor %			Locked Rotor Amps
		kW	HP	Volts	Line Volts	Amps			F.L.	3/4	1/2	F.L.	3/4	1/2	
6 INCH HI-Temp 90C	276 610	3.7	5	380-415	380	8.8	5000		74	72	66	88	85	78	49.9
					400	8.5	5000	2.79 - 3.41	75	72	66	86	82	74	52.5
					415	8.4	5000		75	72	65	84	79	70	54.5
	276 611	5.5	7.5	380-415	380	12.7	7300		77	75	70	88	85	77	78.6
					400	12.3	7200	1.66 - 2.03	77	75	70	86	81	72	83.0
					415	12.3	7200		77	75	69	84	77	67	86.0
	276 612	7.5	10	380-415	380	16.4	9400		80	78	74	88	84	76	105
					400	16.0	9300	1.18 - 1.44	81	79	74	85	79	69	110
					415	16.1	9400		80	77	71	83	76	65	114
	276 613	11	15	380-415	380	24.4	13900		80	79	75	85	83	74	152
					400	24.2	13800	.78 - .96	80	79	74	82	77	67	160
					415	24.4	14000		79	78	73	79	73	61	166
	276 614	15	20	380-415	380	33.3	18700		80	79	76	87	82	73	195
					400	33.0	18700	.58 - .72	80	79	75	83	77	65	205
					415	33.3	18700		80	78	74	80	72	60	213
	276 615	18.5	25	380-415	380	40.7	22600		82	82	79	86	80	70	253
					400	40.5	22500	.41 - .51	83	82	78	82	74	62	266
					415	41.4	22700		82	80	76	78	69	57	276
	276 616	22	30	380-415	380	49.2	27800		80	79	76	88	83	76	289
					400	48.0	27700	.34 - .42	81	79	75	85	80	70	304
					415	47.9	27800		80	79	74	82	76	65	316
	276 617	30	40	380-415	380	65.0	35900		83	82	80	86	80	70	419
					400	64.5	35800	.23 - .29	83	82	79	82	75	63	441
					415	65.6	36000		83	81	77	78	70	58	458
8 INCH HI-Temp 75C	279 100	30	40	380-415	380	66.8	37000		80	78	72	0.86	0.82	0.76	474
					400	65.5	37000	.16 - .19	80	78	72	0.83	0.78	0.7	499
					415	65.8	37000		80	77	71	0.8	0.74	0.65	518
	279 101	37	50	380-415	380	80.7	45000		83	80	75	0.87	0.83	0.76	654
					400	79.6	45000	.11 - .14	82	80	74	0.84	0.79	0.7	692
					415	80.1	46000		82	79	73	0.81	0.75	0.65	720
	279 102	45	60	380-415	380	94.3	53000		85	83	78	0.87	0.82	0.75	835
					400	93.1	53000	.09 - .11	84	82	77	0.84	0.78	0.69	884
					415	93	53000		84	82	76	0.81	0.74	0.64	920
	279 103	55	75	380-415	380	118	67000		84	82	78	0.87	0.84	0.77	876
					400	115	66000	.07 - .09	84	82	78	0.85	0.81	0.72	927
					415	113	66000		84	82	77	0.83	0.78	0.69	965
	279 104	75	100	380-415	380	155	87000		85	84	81	0.87	0.83	0.76	1185
					400	151	87000	.05 - .07	86	84	80	0.85	0.8	0.71	1254
					415	150	87000		85	84	80	0.82	0.76	0.66	1306
	279 105	93	125	380-415	380	191	109000		86	85	81	0.88	0.85	0.78	1404
					400	186	109000	.04 - .06	86	84	81	0.86	0.8	0.73	1482
					415	184	109000		86	84	80	0.84	0.76	0.69	1544
	279 106	110	150	380-415	380	231	131000		85	84	81	0.88	0.84	0.77	1596
					400	224	130000	.03 - .05	86	84	81	0.85	0.81	0.72	1690
					415	222	130000		86	84	80	0.83	0.77	0.68	1760

Performance is typical, not guaranteed, at specified voltages. Locked rotor amps for Wye start 6 lead motors is 33% of value shown. Performance also applies to 6 lead model numbers where not listed. Six lead individual phase resistance = table X 1.5.