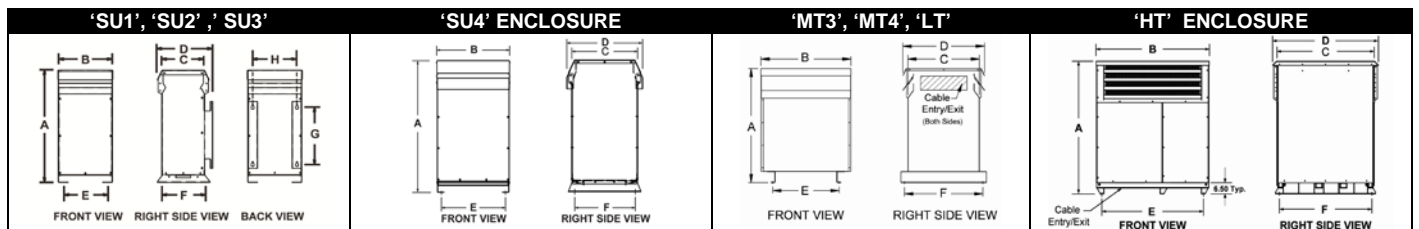


GENERAL SPECIFICATIONS:	
RATING	For motor/drive system sizes 5HP(4kW) to 3500HP(2600kW)
VOLTAGE	Standard voltages up to 690V
FREQUENCY	50 Hz or 60Hz models
TORQUE RATING	Constant Torque
OVERLOAD CAPABILITY	Suitable for overload of 150% for 60 seconds every 10 minutes
HARMONICS TREATED	All harmonics 5 th and higher
K-FACTOR SUITABILITY	Up to 20 (Reduced to <1.5 on input of AUHF)
MAXIMUM CAPACITIVE REACTIVE CURRENT @ N.L. (kVAR as % of rated kW)	5 to 75HP: < 20% 100 to 3500HP: 10 to 15%
INPUT CURRENT DISTORTION	< 8% @ Full Load < 5% @ Full Load for HP version
EFFICIENCY	5 to 600HP: > 99% 700 to 1800HP: > 99.2% 2000 to 3500HP: > 99.4%
ELEVATION	≤ 3300ft [1000m] above sea level
VENTILATION	Convection air cooled
AMBIENT TEMPERATURE	≤ 40 Deg C [104 Deg F] Up to 55 Deg C for ED version
WINDING MATERIAL	Copper
ENCLOSURE	Type: TYPE-3R Indoor, Colour: ANSI 61 Grey Paint: Polyester powder coated Optional: Enhanced Outdoor, Marine Coating / Galv.
OPTIONS:	Capacitor Switching Contactor, Performance / Capacitor Monitoring, CSP, Temp Switches, Tin Plating

Motor Size		Lineator Rating (3-Phase)								480V (60Hz)				600V (60Hz), 690V (50-60Hz)			
HP	kW	Current Rating (Amps)								Standard Enclosure		Enhanced Enclosure		Standard Enclosure		Enhanced Enclosure	
		460/480V 60Hz		575/600V 60Hz		660/690V 50/60Hz		Output		Case	Weight	Case	Weight	Case	Weight	Case	Weight
		Input	Output	Input	Output	Input	Output	kVA	kW	Style	lbs [kg] ^[1]	Style	lbs [kg] ^[1]	Style	lbs [kg] ^[1]	Style	lbs [kg] ^[1]
5	4	7	7	5	5	5	5	6	4.5	SU1	58 [26]	SU1-E	68 [31]	SU1	57 [26]	SU1-E	67 [30]
7.5	5.5	9	10	7	7	6	6	8	6.3	SU1	67 [30]	SU1-E	77 [35]	SU1	67 [30]	SU1-E	77 [35]
10	7.5	12	13	10	11	8	8	10	8.5	SU1	78 [35]	SU1-E	88 [40]	SU1	77 [35]	SU1-E	87 [39]
15	11	17	18	14	15	12	13	14	13	SU1	90 [41]	SU1-E	100 [45]	SU1	86 [39]	SU1-E	96 [44]
20	15	23	24	18	19	16	17	19	17	SU2	118 [54]	SU2-E	128 [58]	SU2	98 [45]	SU2-E	128 [58]
25	18.5	29	31	23	24	20	21	25	21	SU2	130 [59]	SU2-E	140 [64]	SU2	125 [57]	SU2-E	135 [61]
30	22	34	36	28	30	24	25	29	25	SU2	142 [65]	SU2-E	152 [69]	SU2	137 [62]	SU2-E	147 [67]
40	30	46	49	37	39	32	34	39	34	SU2	154 [70]	SU2-E	164 [74]	SU2	149 [68]	SU2-E	159 [72]
50	37.5	57	60	45	48	40	42	48	42	SU3	186 [84]	SU3-E	196 [89]	SU3	184 [83]	SU3-E	196 [89]
60	45	69	73	55	58	48	51	58	51	SU3	218 [99]	SU3-E	228 [103]	SU3	206 [94]	SU3-E	216 [98]
75	55	85	90	68	72	59	63	72	63	SU3	304 [138]	SU3-E	314 [142]	SU3	298 [135]	SU3-E	308 [140]
100	75	113	120	90	95	79	84	96	84	SU4	323 [147]	SU4-E	333 [151]	SU4	315 [143]	SU4-E	325 [147]
125	90	141	149	112	119	98	104	119	104	SU4	345 [156]	SU4-E	419 [191]	SU4	345 [156]	SU4-E	419 [191]
150	110	169	179	135	143	118	125	143	125	SU4	365 [166]	SU4-E	439 [200]	SU4	365 [166]	SU4-E	439 [200]
175	132	200	212	159	169	139	147	166	148	SU4	390 [177]	SU4-E	455 [207]	SU4	390 [177]	SU4-E	455 [207]
200	150	226	240	180	191	158	167	191	168	MT3-E	415 [189]	MT3-E	489 [222]	MT3-E	415 [189]	MT3-E	489 [222]
250	185	281	298	225	239	196	208	237	209	MT3	578 [262]	MT4-E	640 [290]	MT3	578 [262]	MT4-E	640 [290]
300	220	337	357	270	286	235	249	284	251	MT4	800 [363]	MT4-E	695 [316]	MT4	585 [266]	MT4-E	695 [316]
350	250	395	419	315	334	275	292	334	292	MT4	825 [374]	LT1-E	1006 [456]	MT4	780 [354]	MT4-E	1006 [456]
400	315	470	498	375	398	325	345	397	349	MT4	870 [395]	LT1-E	1031 [467]	MT4	805 [365]	MT4-E	1031 [467]
450	355	530	562	424	449	369	391	448	394	LT1-E	915 [415]	LT1-E	1076 [488]	MT4	870 [395]	LT1-E	1076 [488]
500	400	595	631	475	504	415	440	503	443	LT1-E	915 [415]	LT1-E	1121 [508]	LT1-E	915 [415]	LT1-E	1121 [510]
600	450	670	710	535	567	470	498	566	499	LT1	1398 [634]	LT2-E	1476 [670]	LT1	1398 [634]	LT2-E	1476 [670]
700	500	780	827	625	663	545	578	659	579	LT1	1700 [771]	LT2-E	1839 [834]	LT1	1650 [748]	LT2-E	1740 [789]
800	560	890	943	715	758	620	657	751	662	LT2	1882 [854]	LT2-E	1954 [886]	LT2	1805 [819]	LT2-E	1852 [842]
900	630	990	1049	795	843	690	731	836	736	LT2	1920 [871]	LT3-E	2054 [931]	LT2	1882 [854]	LT3-E	2054 [932]
1000	710	1100	1166	880	933	770	816	929	818	LT3	1950 [884]	LT3-E	2084 [945]	LT2	1915 [869]	LT3-E	2064 [936]
1100	800	1210	1283	970	1028	845	896	1022	900	LT3	2465 [1118]	LT3-E	2564 [1163]	LT3	2331 [1057]	LT3-E	2515 [1141]
1200	900	1330	1410	1060	1124	925	981	1123	987	LT3	2568 [1167]	LT3-E	2958 [1245]	LT3	2465 [1121]	LT3-E	2855 [1298]
1300	970	1430	1516	1145	1214	1000	1060	1208	1064	LT3	2718 [1236]	HT2-E / LT4-E	3408 [1549]	LT3	2609 [1186]	HT2-E / LT4-E	2999 [1363]
1400	1000	1540	1632	1235	1309	1075	1140	1300	1145	HT2 / LT4	2858 [1299]	HT2-E / LT4-E	3548 [1613]	HT2-E / LT4-E	2782 [1265]	HT2-E / LT4-E	3172 [1442]
1500	1120	1650	1749	1325	1405	1155	1224	1394	1228	HT2 / LT4	3598 [1635]	HT3-E	3690 [1677]	HT2-E / LT4-E	3540 [1606]	HT3-E	3620 [1642]
1600	1200	1770	1876	1415	1500	1235	1309	1495	1316	HT2 / LT4	3748 [1703]	HT3-E	3840 [1745]	HT2 / LT4	3702 [1679]	HT3-E	3800 [1724]
1800	1350	1990	2109	1595	1691	1390	1473	1680	1481	HT2 / LT4	3848 [1749]	HT3-E	4376 [1943]	HT2 / LT4	3798 [1723]	HT3-E	3875 [1758]
2000	1450	2200	2332	1765	1871	1535	1627	1858	1636	HT3-E	3978 [1808]	HT3-E	4506 [2048]	HT3-E	3945 [1789]	HT3-E	4250 [1928]
2300	1700	2530	2682	2030	2152	1765	1871	2137	1882	HT3-E	4075 [1850]	HT3-E	4600 [2088]	HT3-E	4015 [1821]	HT3-E	4340 [1969]
2500	1850	2755	2920	2205	2337	1920	2035	2326	2045	HT3-E	4650 [2111]	HT3-E	4750 [2157]	HT3-E	4600 [2087]	HT3-E	4750 [2155]
2800	2100	3100	3286	2480	2629	2160	2290	2618	2303	HT3	5000 [2270]	HT3	5100 [2315]	HT3	4945 [2243]	HT3	5100 [2313]
3000	2250	3320	3519	2660	2820	2315	2454	2804	2468	HT3	5225 [2372]	HT3	5100 [2315]	HT3	5180 [2350]	HT3	5100 [2313]
3500	2600	3855	4086	3085	3270	2685	2846	3255	2825	HT3	5550 [2520]	HT3	5100 [2315]	HT3	5490 [2490]	HT3	5100 [2313]

Motor Size		Lineator Rating (3-Phase)										208, 240V (60Hz)				400, 440V (50Hz)			
HP	kW	Current Rating (Amps)								Output		Standard Enclosure		Enhanced Enclosure		Standard Enclosure		Enhanced Enclosure	
		208V 60Hz		220/240V 50/60Hz		380/400V 50Hz		415/440V 50Hz		kVA	kW	Case Style	Weight lbs [kg] ^[1]	Case Style	Weight lbs [kg] ^[1]	Case Style	Weight lbs [kg] ^[1]	Case Style	Weight lbs [kg] ^[1]
I/P A	O/P A	I/P A	O/P A	I/P A	O/P A	I/P A	O/P A	I/P A	O/P A										
5	4	14	15	13	14	8	8	7	7	6	4.5	SU1	65 [30]	SU1-E	75 [34]	SU1	58 [26]	SU1-E	68 [31]
7.5	5.5	20	21	18	19	11	12	10	11	8	6.3		76 [35]		86 [39]		67 [30]		77 [35]
10	7.5	27	29	24	25	14	15	13	14	10	8.5		80 [36]		80 [36]		78 [35]		88 [40]
15	11	40	42	36	38	21	22	19	20	14	13		117 [53]		127 [58]		90 [41]		100 [45]
20	15	53	56	48	51	28	30	25	27	19	17		138 [63]		148 [67]		118 [54]		128 [58]
25	18.5	66	70	60	64	35	37	32	34	25	21		154 [70]		164 [74]		130 [59]		140 [64]
30	22	79	84	72	76	42	45	38	40	29	25		189 [86]		199 [90]		142 [65]		152 [69]
40	30	105	111	95	101	55	58	51	54	39	34		253 [115]		263 [119]		154 [70]		164 [74]
50	37.5	131	139	119	126	69	73	63	67	48	42		275 [125]		333 [151]		186 [84]		196 [88]
60	45	158	167	143	152	83	88	76	81	58	51		315 [143]		337 [153]		218 [99]		228 [103]
75	55	196	208	178	189	103	109	95	101	72	63		325 [148]		399 [181]		304 [138]		314 [142]
100	75	260	276	236	250	137	145	125	133	96	84		442 [201]		516 [235]		323 [147]		414 [188]
125	90	323	342	294	312	170	180	156	165	119	104		468 [213]		542 [246]		345 [156]		434 [197]
150	110	388	411	353	374	204	216	187	198	143	125		553 [251]		627 [285]		365 [166]		469 [213]
175	132	453	480	412	436	241	255	221	234	166	148	MT3	600 [272]		615 [279]		390 [177]	MT3-E	492 [223]
200	150	517	548	470	499	274	290	250	265	191	168		700 [318]		720 [327]		415 [189]		514 [234]
250	185	647	686	588	623	340	360	312	331	237	209		850 [386]		1000 [453]		578 [262]		600 [273]
300	220	776	823	706	748	410	435	374	396	284	251		1125 [510]		1150 [522]		585 [266]		670 [305]
350	250	906	960	823	873	475	504	436	462	334	292		1250 [567]		1350 [612]		800 [363]		1006 [456]
400	315	1035	1097	941	997	565	599	520	551	397	349	LT1	1325 [601]		1500 [680]		825 [374]	LT1-E	1031 [467]
450	355					641	679	587	622	448	394						870 [395]		1076 [488]
500	400					720	763	660	700	503	443						915 [415]		1121 [508]
600	450					810	859	740	784	566	499						1098 [499]		1176 [535]
700	500					940	996	865	917	659	579						1700 [771]		1839 [834]
800	560					1075	1140	985	1044	751	662						1882 [854]		1954 [886]
900	630					1200	1272	1100	1166	836	736						1920 [871]		2054 [931]
1000	710					1335	1415	1220	1293	929	818						1950 [884]		2084 [945]
1100	800					1470	1558	1340	1420	1022	900						2465 [1118]		2564 [1163]
1200	900					1610	1707	1470	1558	1123	987						2568 [1167]		2958 [1245]
1300	970					1735	1839	1585	1680	1208	1064						2718 [1236]		3408 [1549]
1400	1000					1870	1982	1710	1813	1300	1145						2858 [1299]		3548 [1613]
1500	1120					2000	2120	1835	1945	1394	1228						3598 [1635]		3690 [1677]
1600	1200					2145	2274	1965	2083	1495	1316						3748 [1703]		3840 [1745]
1800	1350					2410	2555	2210	2343	1680	1481						3848 [1749]		4376 [1943]
2000	1450					2670	2830	2440	2586	1858	1636						3978 [1808]		4506 [2048]
2300	1700					3065	3249	2810	2979	2137	1882						4075 [1850]		4600 [2088]
2500	1850					3335	3535	3050	3233	2326	2045						4650 [2111]		4750 [2157]
2800	2100					3750	3975	3435	3641	2618	2303						5000 [2270]		5100 [2315]
3000	2250					4020	4261	3680	3901	2804	2468						5225 [2372]		
3500	2600					4265	4521	3905	4139	3255	2825						5550 [2520]		



CASE STYLE		ENCLOSURE DIMENSIONS - inches [mm]							
Standard	Enhanced	A	B	C	D	E	F	G	H
SU1	SU1-E	23.50 [597]	11.25 [286]	8.75 [222]	11.25 [286]	9.00 [229]	9.50 [242]	12.00 [305]	9.00 [228]
SU2	SU2-E	30.00 [762]	13.25 [336]	10.25 [260]	12.75 [324]	11.00 [279]	11.25 [286]	16.00 [406]	11.00 [279]
SU3	SU3-E	34.00 [864]	20.25 [514]	13.25 [336]	16.00 [406]	18.00 [457]	14.25 [362]	20.00 [508]	18.00 [457]
SU4	SU4-E	40.00 [1016]	22.00 [559]	19.75 [502]	22.00 [559]	20.00 [508]	20.00 [508]		
MT3	MT3-E	45.00 [1143]	26.00 [661]	21.00 [534]	25.00 [635]	21.50 [546]	19.00 [483]		
MT4	MT4-E	51.50 [1308]	32.00 [813]	25.50 [648]	29.50 [749]	23.50 [597]	23.50 [597]		
LT1	LT1-E	59.00 [1499]	39.50 [1003]	30.00 [762]	34.00 [864]	24.00 [610]	32.00 [813]		
LT2	LT2-E	66.00 [1677]	44.00 [1118]	34.00 [864]	38.00 [965]	26.00 [660]	36.00 [915]		
LT3	LT3-E	75.00 [1905]	48.50 [1232]	39.00 [991]	43.00 [1092]	27.50 [699]	41.00 [1041]		
LT4	LT4-E	78.00 [1981]	59.00 [1499]	50.50 [1283]	54.25 [1378]	32.00 [813]	52.00 [1321]		
HT2	HT2-E	78.00 [1981]	59.00 [1499]	52.00 [1321]	56.25 [1442]	54.00 [1372]	52.00 [1321]		
HT3	HT3-E	84.00 [2134]	69.00 [1753]	59.50 [1511]	64.50 [1638]	64.00 [1626]	60.00 [1524]		

- Notes:**
1. Approx. Values. Enclosure dimensions and weights listed above apply to standard diode bridge type model without options. Refer to product specific drawings.
 2. Specifications are subject to change without notice.
 3. For more information regarding Lineator sizing, consult Mirus Lineator Sizing Guide.
 4. Cable entry is from left or right side only unless otherwise indicated.
 5. For additional information refer to: Typical Specifications, Internal Layout and Connection Diagrams.

