

**Cross reference to Rockwell
Part # PN-147539**

General Specifications:

HP / kW RATING:

Available for motor/drive system sizes up to 3500HP / 2600kW

VOLTAGE:

Standard voltages up to 690V, 3-phase

FREQUENCY:

50 or 60Hz

OVERLOAD CAPABILITY:

Suitable for overload of 150% for 60 seconds every 10 minutes

HARMONICS TREATED:

5th, 7th, 11th, 13th, ...

K-FACTOR SUITABILITY:

Up to 20

INPUT K-FACTOR:

Reduced to <1.5

INPUT CURRENT DISTORTION:

<8% at full load

NO LOAD CAPACITIVE

REACTANCE (kVAR) LEVELS:

5 to 75HP 15 to 20%
100 to 3500HP 10 to 15%

EFFICIENCY:

>99%

ELEVATION:

3300ft [1000m] above sea level

VENTILATION:

Convection air cooled

ENCLOSURE:

NEMA 3R [IP23]
Paint: Polyester powder coated
Color: ANSI 61 Grey

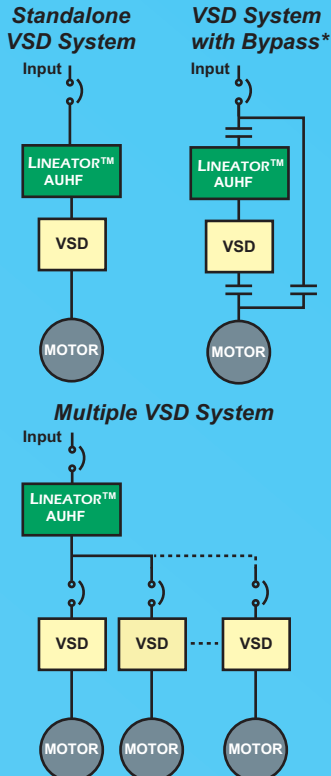
OPTIONS:

Nema 3R [IP23] Enhanced
ABS, DNV or Lloyds Certification

Rating Tables: (type 'D' Lineator)^[1]

Motor Size		Lineator Rating				208V (50 or 60Hz), 240V (50Hz)				400, 440V (50Hz)					
HP	kW	Input Amps (3-Phase)				Standard Enclosure		Enhanced Enclosure		Standard Enclosure		Enhanced Enclosure			
		208V	220/240V	380/400V	415/440V	Case Style	Weight lbs [kg]	Case Style	Weight lbs [kg]	Case Style	Weight lbs [kg]	Case Style	Weight lbs [kg]		
5	4	14	13	8	7	4.5	SU1	65 [30]	SU1-E	75 [34]	SU1	58 [26]	SU1-E	68 [31]	
7.5	5.5	20	18	11	10	6.3	SU1	76 [35]	SU1-E	86 [39]	SU1	67 [30]	SU1-E	77 [35]	
10	7.5	27	24	14	13	8.5		80 [36]		80 [36]		88 [40]			
15	11	40	36	21	19	13		117 [53]		SU2-E		127 [58]		SU2	90 [41]
20	15	53	48	28	25	17	138 [63]	148 [67]	118 [54]	128 [58]					
25	18.5	66	60	35	32	21	154 [70]	164 [74]	130 [59]	140 [64]					
30	22	79	72	42	38	25	SU3	189 [86]	SU3-E	199 [90]	SU3	142 [65]	SU3-E	152 [69]	
40	30	105	95	55	51	34		253 [115]		263 [119]		154 [70]		164 [74]	
50	37.5	131	119	69	63	42		275 [125]		333 [151]		186 [84]		196 [88]	
60	45	158	143	83	76	51	MT2	315 [143]	MT2-E	337 [153]	SU3	218 [99]	SU3-E	228 [103]	
75	55	196	178	103	95	63		325 [148]		399 [181]		304 [138]		314 [142]	
100	75	260	236	137	125	84		442 [201]		516 [235]		323 [147]		334 [151]	414 [188]
125	90	323	294	170	156	104	MT2	468 [213]	MT3-E	542 [246]	MT2	345 [156]	MT2-E	434 [197]	
150	110	388	353	204	187	125		553 [251]		627 [285]		365 [166]		375 [170]	469 [213]
200	150					274		250						514 [234]	
250	185					340	312					600 [273]			
300	200					410	374					670 [305]			
350	250					475	436					1006 [456]			
400	315					565	520					1031 [467]			
500	400					720	660					1121 [508]			
600	450					810	740					1176 [535]			
700	500					940	865					1839 [834]			
800	560					1075	985					1954 [886]			
900	630					1200	1100					2054 [931]			
1000	710					1335	1220					2084 [945]			
1100	800					1470	1340					2564 [1163]			
1200	900					1610	1470					2958 [1245]			
1300	970					1735	1585					3408 [1549]			
1400	1000					1870	1710					3548 [1613]			
1500	1120					2000	1835					3690 [1677]			
1600	1200					2145	1965					3840 [1745]			
1800	1350					2410	2210					4376 [1943]			
2000	1450					2670	2440					4506 [2048]			
2300	1700					3065	2810					4600 [2088]			
2500	1850					3335	3050					4750 [2157]			
2800	2100					3750	3435					5100 [2315]			
3000	2250					4020	3680					5225 [2372]			
3500	2600					4265	3905					5550 [2520]			

Typical LINEATOR Applications

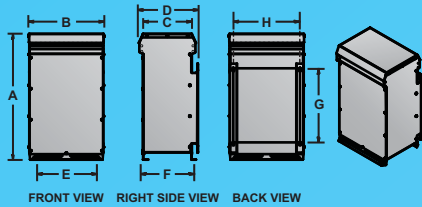


Motor Size		Lineator Rating				480V (60Hz), 600V / 690V (50Hz)				600V / 690V (60Hz)			
HP	kW	Input Amps (3-Phase)				Standard Enclosure		Enhanced Enclosure		Standard Enclosure		Enhanced Enclosure	
		460/480V	575/600V	660/690V	Output kW	Case Style	Weight lbs [kg]	Case Style	Weight lbs [kg]	Case Style	Weight lbs [kg]	Case Style	Weight lbs [kg]
5	4												
7.5	5.5	7	5	5	4.5	SU1	58 [26]	SU1-E	68 [31]	SU1	57 [26]	SU1-E	67 [30]
10	7.5	9	7	6	6.3		67 [30]		77 [35]		67 [30]		77 [35]
15	11	12	10	8	8.5		78 [35]		88 [40]		77 [35]		87 [39]
20	15	17	14	12	13		90 [41]		100 [45]		86 [39]		96 [44]
25	18.5	23	18	16	17		118 [54]		128 [58]		98 [45]		128 [58]
30	22	29	23	20	21	130 [59]	140 [64]	125 [57]	135 [61]				
40	30	34	28	24	25	154 [70]	164 [74]	137 [62]	147 [67]				
50	37.5	57	45	40	42	186 [84]	196 [89]	184 [83]	196 [89]				
60	45	69	55	48	51	218 [99]	228 [103]	206 [94]	216 [98]				
75	55	85	68	59	63	304 [138]	314 [142]	298 [135]	308 [140]				
100	75	113	90	79	84	323 [147]	333 [151]	315 [143]	325 [147]				
125	90	141	112	98	104	345 [156]	355 [160]	345 [156]	355 [160]				
150	110	169	135	118	125	365 [166]	375 [170]	365 [166]	375 [170]				
200	150	226	180	158	168	415 [189]	425 [193]	415 [189]	425 [193]				
250	185	281	225	196	209	478 [218]	488 [222]	478 [218]	488 [222]				
300	200	337	270	235	251	539 [244]	549 [248]	539 [244]	549 [248]				
350	250	395	315	275	292	600 [271]	610 [275]	600 [271]	610 [275]				
400	315	470	375	325	349	685 [310]	695 [314]	685 [310]	695 [314]				
500	400	595	475	415	443	815 [368]	825 [372]	815 [368]	825 [372]				
600	450	670	535	470	499	915 [415]	925 [419]	915 [415]	925 [419]				
700	500	780	625	545	579	1035 [468]	1045 [472]	1035 [468]	1045 [472]				
800	560	890	715	620	662	1175 [529]	1185 [533]	1175 [529]	1185 [533]				
900	630	990	795	690	736	1335 [598]	1345 [602]	1335 [598]	1345 [602]				
1000	710	1100	880	770	818	1515 [683]	1525 [687]	1515 [683]	1525 [687]				
1100	800	1210	970	845	900	1715 [772]	1725 [776]	1715 [772]	1725 [776]				
1200	900	1330	1060	925	987	1935 [875]	1945 [879]	1935 [875]	1945 [879]				
1300	970	1430	1145	1000	1064	2185 [987]	2195 [991]	2185 [987]	2195 [991]				
1400	1000	1540	1235	1075	1145	2465 [1108]	2475 [1112]	2465 [1108]	2475 [1112]				
1500	1120	1650	1325	1155	1228	2775 [1246]	2785 [1250]	2775 [1246]	2785 [1250]				
1600	1200	1770	1415	1235	1316	3115 [1399]	3125 [1403]	3115 [1399]	3125 [1403]				
1800	1350	1990	1595	1390	1481	3585 [1608]	3595 [1612]	3585 [1608]	3595 [1612]				
2000	1450	2200	1765	1535	1636	4095 [1837]	4105 [1841]	4095 [1837]	4105 [1841]				
2300	1700	2530	2030	1765	1882	4755 [2153]	4765 [2157]	4755 [2153]	4765 [2157]				
2500	1850	2755	2205	1920	2045	5365 [2417]	5375 [2421]	5365 [2417]	5375 [2421]				
2800	2100	3100	2480	2160	2303	6135 [2765]	6145 [2769]	6135 [2765]	6145 [2769]				
3000	2250	3320	2660	2315	2468	6955 [3127]	6965 [3131]	6955 [3127]	6965 [3131]				
3500	2600	3855	3085	2685	2618	8135 [3645]	8145 [3649]	8135 [3645]	8145 [3649]				

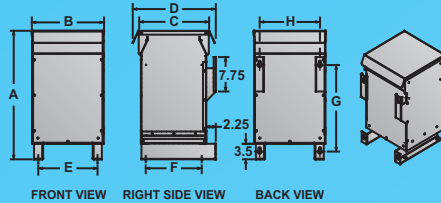
* When the VSD requires a bypass, the LINEATOR must also be bypassed as shown.

1. For type 'T' Lineator use enclosure and weights from the next size up.

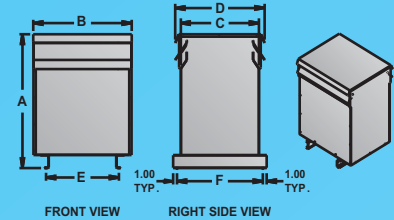
Dimensions



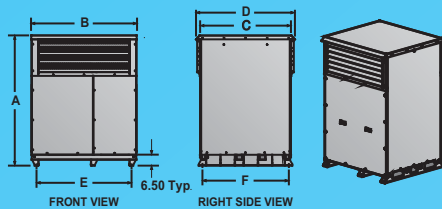
'SU' ENCLOSURE



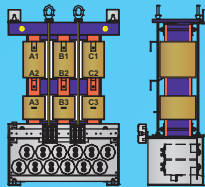
'MT1', 'MT2' ENCLOSURE



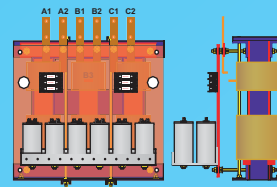
'MT3', 'MT4', 'LT' ENCLOSURE



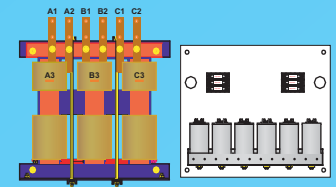
'HT' ENCLOSURE



'E0P' PANEL MOUNT



'E0' OPEN STYLE



'E0M' MODULAR

CASE STYLE		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]	8.00 [203]	9.00 [229]	13.00 [330]	9.00 [229]
SU2	SU2-E	29.50 [749]	13.25 [336]	10.25 [260]	12.75 [324]	9.00 [229]	10.00 [254]	19.00 [483]	11.00 [279]
SU3	SU3-E	34.00 [864]	20.25 [514]	13.25 [336]	16.00 [406]	17.50 [445]	13.00 [330]	20.00 [508]	18.00 [457]
MT2	MT2-E	38.00 [965]	21.50 [546]	19.50 [495]	23.50 [597]	17.00 [432]	17.50 [445]	25.00 [635]	
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]		
HT2	HT2-E	78.00 [1981]	58.50 [1486]	51.00 [1295]	56.25 [1428]	52.50 [1333]	50.75 [1289]		
HT3	HT3-E	84.00 [2134]	68.50 [1740]	59.00 [1499]	64.50 [1638]	62.50 [1587]	58.75 [1492]		

Ordering Information AUHF-7.5-600-60-D-E1

Model	Motor Horsepower	Line Voltage	Frequency	Load Type	Enclosure Type	Optional
AUHF -	HP -	VVV -	Hz -	L -	En -	O
Advanced	5	208	50	D ^[1]	E0	E
Universal	to	240	60	Diode Bridge	No Enclosure (250 to 3500HP)	Nema 3R [IP23]
Harmonic	3500	400		Rectifier	EOP	Enhanced
Filter		440		T ^[2]	Panel Mount (5 to 200HP)	
		480		Thyristor Bridge	EOM	
		600		Rectifier	Modular (250 to 3500HP)	
		690			E1	
		(VAC)			Nema 3R [IP23] Ventilated (5 to 3500HP)	

1. 'D' type AUHF is suitable for standard diode bridge and diode/SCR precharged front-end VSD's.
2. 'T' type AUHF is suitable for DC drives, Current Source Inverters and other controlled rectifier loads.