

Cross reference to Rockwell
Part # PN-134810

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

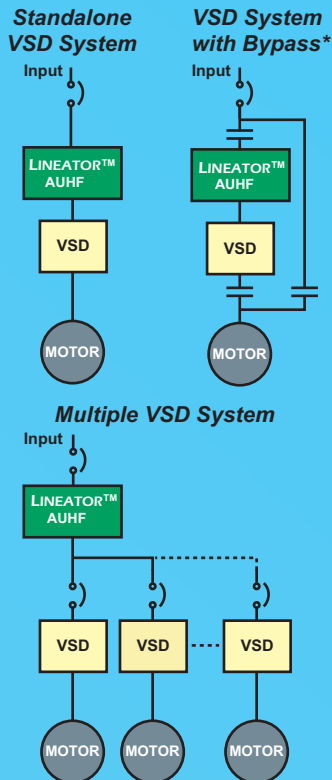
ENCLOSURE:

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

OPTIONS:

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

Typical LINEATOR Applications



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

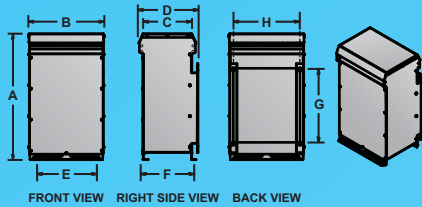
Rating Tables: (type 'D' Lineator)^[1]

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]		78 [35]		88 [40]			
15	11	40	36	21	19	13		117 [53]		SU2-E		127 [58]		SU2	90 [41]	SU2-E	100 [45]
20	15	53	48	28	25	17	SU2	138 [63]	SU2-E	148 [67]	SU2	118 [54]	SU2-E	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		189 [86]		SU3-E		199 [90]		SU2	142 [65]	SU2-E	152 [69]
40	30	105	95	55	51	34	SU3	253 [115]	SU3-E	263 [119]	SU3	154 [70]	SU3-E	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		315 [143]		MT2-E		337 [153]		SU3	218 [99]	SU3-E	228 [103]
75	55	196	178	103	95	63	MT2	325 [148]	MT2-E	399 [181]	MT2	304 [138]	MT2-E	314 [142]			
100	75	260	236	137	125	84		442 [201]		516 [235]		323 [147]		414 [188]			
125	90	323	294	170	156	104		468 [213]		MT3-E		542 [246]		MT2	345 [156]	MT2-E	434 [197]
150	110	388	353	204	187	125	SU3	553 [251]	SU3-E	627 [285]	SU3	365 [166]	SU3-E	469 [213]			
200	150			274	250	168									415 [189]		514 [234]
250	185			340	312	209									578 [262]	MT4-E	600 [273]
300	200			410	374	251					585 [266]		670 [305]				
350	250			475	436	292					800 [363]	MT4	1006 [456]				
400	315			565	520	349					825 [374]	LT1-E	1031 [467]				
500	400			720	660	443					915 [415]		1121 [508]				
600	450			810	740	499					1098 [499]	LT2-E	1176 [535]				
700	500			940	865	579					1700 [771]		1839 [834]				
800	560			1075	985	662											
900	630			1200	1100	736											
1000	710			1335	1220	818											
1100	800			1470	1340	900											
1200	900			1610	1470	987											
1300	970			1735	1585	1064											
1400	1000			1870	1710	1145											
1500	1120			2000	1835	1228											
1600	1200			2145	1965	1316											
1800	1350			2410	2210	1481											
2000	1450			2670	2440	1636											
2300	1700			3065	2810	1882											
2500	1850			3335	3050	2045											
2800	2100			3750	3435	2303											
3000	2250			4020	3680	2468											
3500	2600			4265	3905	2618											

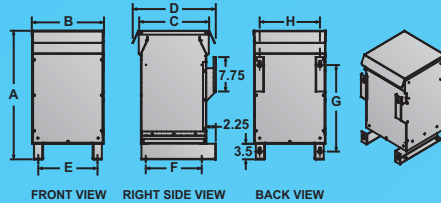
Motor Size		Lineator Rating				480V (60Hz), 600V / 690V (50Hz)				600V / 690V (60Hz)			
HP	kW	Input Amps (3-Phase)				Standard Enclosure		Enhanced Enclosure		Standard Enclosure		Enhanced Enclosure	
		460/480V	575/600V	660/690V	Output kW	Case Style	Weight lbs [kg]	Case Style	Weight lbs [kg]	Case Style	Weight lbs [kg]	Case Style	Weight lbs [kg]
5	4				4.5								
7.5	5.5				6.3								
10	7.5				8.5								
15	11				13								
20	15				17								
25	18.5				21								
30	22				25								
40	30				34								
50	37.5				42								
60	45				51								
75	55				63								
100	75				84								
125	90				104								
150	110				125								
200	150				168								
250	185				209								
300	200				251								
350	250				292								
400	315				349								
500	400				443								
600	450				499								
700	500				579								
800	560				662								
900	630				736								
1000	710				818								
1100	800				900								
1200	900				987								
1300	970				1064								
1400	1000				1145								
1500	1120				1228								
1600	1200				1316								
1800	1350				1481								
2000	1450				1636								
2300	1700				1882								
2500	1850				2045								
2800	2100				2303								
3000	2250				2468								
3500	2600				2618								

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

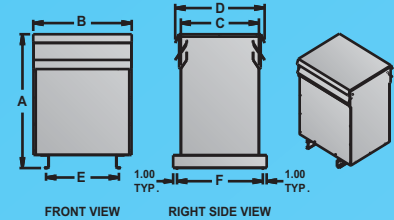
Dimensions



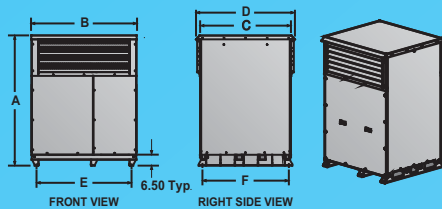
'SU' ENCLOSURE



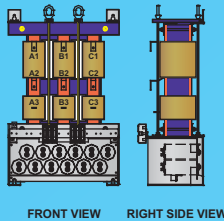
'MT1', 'MT2' ENCLOSURE



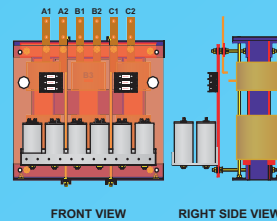
'MT3', 'MT4', 'LT' ENCLOSURE



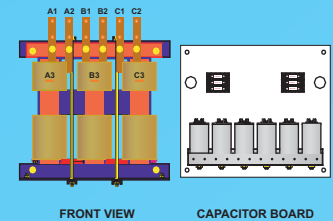
'HT' ENCLOSURE



'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-50-600-60-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 Rectifier	No Enclosure (250 to 3500HP)	Nema 3R [IP23]
Harmonic Filter	3500	400		T ^[2]	EOP	Enhanced
		440		Thyristor Bridge Rectifier	Panel Mount (5 to 200HP)	
		480			EOM	
		600			Modular (250 to 3500HP)	
		690 (VAC)			E1	
					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.