

GENERAL SPECIFICATIONS:

HP / kW RATING
Available for motor/drive system sizes up to 150HP / 110kW
VOLTAGE
Standard voltages up to 600V
FREQUENCY
60Hz (50Hz available)
HARMONICS TREATED
3 th , 5 th , 7 th , 9 th , 11 th , 13 th ,...
K-FACTOR SUITABILITY
Up to 20
INPUT K-FACTOR
Reduced to <1.5
INPUT CURRENT DISTORTION
<12% @ Full Load
EFFICIENCY
> 99% @ Full Load
ELEVATION
≤ 3300ft [1000m] above sea level
AMBIENT TEMPERATURE
≤ 104 Deg F [40 Deg C]
VENTILATION
Convection air cooled
WINDING MATERIAL
Copper
ENCLOSURE
Type: NEMA-3R
Paint: Polyester powder coated
Colour: ANSI 61 Grey

'SU1', 'SU2', 'SU3' ENCLOSURE DIM. - in. [mm]				'SU4', ENCLOSURE DIM. - in. [mm]				
CASE	A	B	C	D	E	F	G	H
SU2	29.50 [749]	13.25 [336]	10.25 [260]	12.75 [324]	11.00 [279]	10.00 [254]	16.00 [406]	11.00 [279]
SU3	34.00 [864]	20.25 [514]	13.25 [336]	16.00 [406]	18.00 [457]	13.00 [330]	20.00 [508]	18.00 [457]
SU4	40.00 [1016]	22.00 [559]	18.50 [470]	23.00 [584]	20.00 [508]	20.00 [508]		

'MT3', 'MT4' ENCLOSURE DIM. - inches [mm]						
CASE	A	B	C	D	E	F
MT3	45.00 [1143]	26.00 [661]	21.00 [534]	25.00 [635]	21.50 [546]	19.00 [483]
MT4	51.50 [1308]	32.00 [813]	25.50 [648]	29.50 [749]	23.50 [597]	23.50 [597]

Product Code:

SUHF - HP - VVV - Hz - L - En - O

Motor Horsepower: 5 to 150 HP
 Frequency: 50 or 60 Hz
 Enclosure: EOP = No Enclosure, E1 = Nema 3R Ventilated
 Line Voltage: 240, 480, 600 VAC
 Load Type: D = Diode Bridge Rectifier, T = Thyristor Bridge Rectifier
 Optional: E = Nema 3R Enhanced

OPTIONS:

Nema 3R Enhanced

Motor Size		Lineator Rating					240V (60Hz)				480V (60Hz)				600V (60Hz)			
							Standard Enclosure		Enhanced Enclosure		Standard Enclosure		Enhanced Enclosure		Standard Enclosure		Enhanced Enclosure	
							Case Style	Weight ⁽¹⁾ lbs [kg]	Case Style	Weight ⁽¹⁾ lbs [kg]	Case Style	Weight ⁽¹⁾ lbs [kg]	Case Style	Weight ⁽¹⁾ lbs [kg]	Case Style	Weight ⁽¹⁾ lbs [kg]	Case Style	Weight ⁽¹⁾ lbs [kg]
HP	kW	240VAC	480VAC	600VAC	kVA	Output	Case Style	Weight ⁽¹⁾ lbs [kg]	Case Style	Weight ⁽¹⁾ lbs [kg]	Case Style	Weight ⁽¹⁾ lbs [kg]	Case Style	Weight ⁽¹⁾ lbs [kg]	Case Style	Weight ⁽¹⁾ lbs [kg]		
5	4	23	12	9	7.5		SU2	81 [37]	SU2-E	84 [38]	SU2	74 [34]	SU2-E	77 [35]	SU2	71 [32]	SU2-E	74 [33]
7.5	5.5	33	17	13	11		SU2	93 [42]	SU2-E	96 [44]	SU2	84 [38]	SU2-E	87 [39]	SU2	80 [36]	SU2-E	83 [38]
10	7.5	45	23	18	14		SU2	111 [50]	SU2-E	114 [52]	SU2	99 [45]	SU2-E	102 [46]	SU2	94 [42]	SU2-E	97 [44]
15	11	68	34	26	20		SU3	159 [72]	SU3-E	165 [75]	SU3	119 [54]	SU3-E	122 [55]	SU3	112 [51]	SU3-E	115 [52]
20	15	90	45	35	27		SU3	189 [86]	SU3-E	195 [88]	SU3	168 [76]	SU3-E	174 [79]	SU3	158 [72]	SU3-E	164 [75]
25	18.5	111	56	44	34		SU3	213 [97]	SU3-E	219 [99]	SU3	188 [85]	SU3-E	194 [88]	SU3	177 [80]	SU3-E	183 [83]
30	22	137	68	52	40		SU3	273 [124]	SU3-E	279 [127]	SU3	238 [108]	SU3-E	244 [111]	SU3	222 [101]	SU3-E	228 [103]
40	30	180	90	70	51		SU3	333 [151]	SU3-E	339 [154]	SU3	288 [131]	SU3-E	294 [133]	SU3	268 [121]	SU3-E	274 [124]
50	37.5	202	110	87	63		SU4	389 [176]	SU4-E	397 [180]	SU4	318 [144]	SU4-E	324 [147]	SU4	295 [134]	SU4-E	301 [136]
60	45	255	130	105	75		SU4	413 [187]	SU4-E	421 [191]	SU4	358 [162]	SU4-E	366 [166]	SU4	333 [151]	SU4-E	341 [155]
75	55	300	152	130	93		SU4	461 [209]	SU4-E	469 [213]	SU4	398 [180]	SU4-E	406 [184]	SU4	369 [168]	SU4-E	377 [171]
100	75	420	210	175	118		MT3	563 [255]	MT3-E	593 [269]	MT3	458 [208]	MT3-E	466 [211]	MT3	424 [192]	MT3-E	432 [196]
125	90	520	260	220	145		MT3	659 [299]	MT3-E	689 [312]	MT3	568 [258]	MT3-E	598 [271]	MT3	527 [239]	MT3-E	557 [252]
150	110	590	295	260	175		MT4	847 [384]	MT4-E	884 [401]	MT4	688 [312]	MT4-E	718 [326]	MT4	636 [288]	MT4-E	666 [302]

Notes:

1. Approximate Values.
2. For additional information refer to: Typical Specifications, Internal Layout and Connection Diagrams.
3. For Thyristor Diode Bridge models, larger sizes and/or other enclosure types contact Mirus.
4. All LINEATOR 1Q3 units are shipped complete with a capacitor bank switching contactor and control system that automatically switches the filter capacitors off whenever the VFD is in the idle-no load ready-to-run mode.
5. Specifications are subject to change without notice.

