

### 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<sup>th</sup>, 5<sup>th</sup>, 7<sup>th</sup>, 9<sup>th</sup>, 11<sup>th</sup>, 13<sup>th</sup>, ...

#### 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

### OPTIONS:

Nema 3R Enhanced

'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

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

