

GENERAL SPECIFICATIONS:

HP / kW RATING

Available for motor/drive system sizes up to 2000HP / 1450kW

VOLTAGE

Standard voltages up to 600V

FREQUENCY

60Hz (50Hz available)

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% @ Full Load

EFFICIENCY

> 99%

ELEVATION

≤ 3300ft [1000m] above sea level

VENTILATION

Convection air cooled

WINDING MATERIAL

Copper

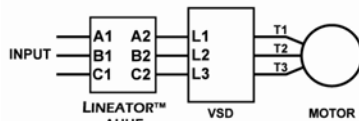
ENCLOSURE

Type: NEMA-2 (5 to 40HP)
NEMA-3R (50 to 2000HP)
Paint: Polyester powder coated
Colour: ANSI 61 Grey
Wall Mtg Capability: 5 to 200HP

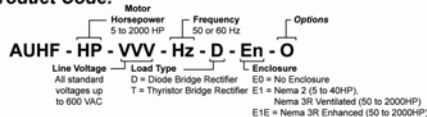
OPTIONS:

NEMA-3R Enhanced Outdoor
Ventilated Enclosure

Connection Diagram



Product Code:



Notes:

- Approximate Values.
- For additional information refer to: Typical Specifications, Internal Layout and Connection Diagrams.
- For Thyristor Diode Bridge models, larger sizes and/or other enclosure types contact Mirus.
- Specifications are subject to change without notice.
- Lineator sizing is by standard motor horsepower and kW ratings. Each is capable of supplying the larger of the two ratings.
- Cable entry is from left or right side only.
- Open style sizes 5 to 60 HP are also available as wall mount.

'ST' ENCLOSURE DIM. - inches [mm]				'MT1', 'MT2' ENCLOSURE DIM. - inches [mm]			
CASE	A	B	C	D	E	F	G
ST1	17.00 [432]	12.00 [305]	10.50 [267]	12.00 [305]	10.00 [254]	8.00 [203]	15.00 [381]
ST2	20.00 [508]	14.00 [356]	12.50 [318]	14.00 [356]	12.00 [305]	10.00 [254]	18.00 [457]
MT1	29.00 [737]	16.75 [425]	15.00 [381]	19.00 [483]	13.75 [349]	13.00 [330]	19.50 [495]
MT2	38.00 [965]	21.50 [546]	19.50 [495]	23.50 [597]	17.00 [432]	17.50 [445]	25.00 [635]

'MT3', 'MT4', 'LT' 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]
LT1	59.00 [1499]	39.50 [1003]	30.00 [762]	34.00 [864]	24.00 [610]	32.00 [813]
LT2	66.00 [1677]	44.00 [1118]	34.00 [864]	38.00 [965]	26.00 [660]	36.00 [915]
LT3	75.00 [1905]	48.50 [1232]	39.00 [991]	43.00 [1092]	27.50 [699]	41.00 [1041]
LT4	90.00 [2286]	51.50 [1308]	40.00 [1016]	44.00 [1118]	34.00 [864]	42.00 [1067]

Motor Size		Lineator Rating			Losses	Enclosed		Open Style ⁽¹⁾	
HP	kW ⁽⁵⁾	Input Amps 480V 3Ph/60Hz	600V 3Ph/60Hz	Output kVA	Full Load Watts ⁽¹⁾	Case Style	Weight lb [kg] ⁽¹⁾	Dim. H"xW"xD" ⁽¹⁾	Weight lb [kg] ⁽¹⁾
5	4	7	5	7.5	85	ST1	57 [26]	14.5x9x9	40 [18]
7.5	5.5	10	8	11	92	ST1	67 [30]	14.5x9x9	50 [23]
10	7.5	13	10	14	120	ST1	87 [39]	14.5x9x9	70 [32]
15	11	19	15	20	150	ST1	92 [42]	14.5x9x9.5	75 [34]
20	15	25	20	27	190	ST2	138 [63]	17x11x10	80 [36]
25	18.5	32	25	34	235	ST2	100 [45]	17x11x11	88 [40]
30	22	38	30	40	260	ST2	132 [60]	18x11x11.5	100 [45]
40	30	50	40	51	290	ST2	170 [77]	19x11x11.5	120 [54]
50	37.5	63	50	63	320	MT1	186 [84]	17x11x11.5	145 [66]
60	45	75	60	75	400	MT1	210 [95]	18x15.5x15	152 [69]
75	55	88	70	93	490	MT2	273 [124]	20x15.5x16	190 [86]
100	75	113	90	118	550	MT2	335 [152]	20x18x18	254 [115]
125	90	144	115	145	560	MT2	372 [169]	24x20x19	285 [129]
150	110	170	135	175	600	MT2	440 [200]	26x20x19	345 [157]
200	150	225	180	220	675	MT2	445 [202]	26x20x19	360 [163]
250	185	282	225	275	745	MT3	600 [272]	26x22x21	460 [209]
300	200	340	270	330	850	MT3	670 [304]	32x22x22	542 [246]
350	250	397	320	385	1040	MT4	766 [347]	34x25x22	668 [303]
400	315	453	365	440	1250	MT4	800 [363]	35x25x23	685 [311]
500	400	565	455	550	1600	MT4	940 [426]	36x25x23	760 [345]
600	450	695	560	660	2080	LT1	1060 [481]	35x29x24	880 [399]
700	500	800	640	770	2575	LT1	1322 [600]	42x29x27	1100 [499]
800	560	910	730	880	2970	LT1	1815 [824]	42x29x27	1565 [711]
900	630	1018	815	990	3350	LT2	2050 [931]	44x36x28	1675 [760]
1000	710	1130	905	1100	3675	LT2	2290 [1039]	44x36x28	1815 [824]
1100	800	1260	1015	1210	3960	LT3	2300 [1043]	52x34x32	1980 [898]
1200	900	1390	1120	1320	4320	LT3	2440 [1107]	56x34x34	2040 [925]
1300	970	1495	1200	1430	4675	LT3	2590 [1175]	56x34x34	2190 [993]
1400	1000	1600	1280	1540	4900	LT3	2770 [1256]	58x36x34	2370 [1075]
1500	1120	1710	1370	1650	5250	LT4	2970 [1347]	60x42x36	2520 [1143]
1600	1200	1820	1460	1760	5750	LT4	3120 [1415]	62x42x37	2670 [1211]
1800	1350	2035	1630	1980	5900	LT4	3350 [1519]	64x42x37	2900 [1315]
2000	1450	2260	1810	2200	6500	LT4	3650 [1656]	68x42x37	3200 [1451]

