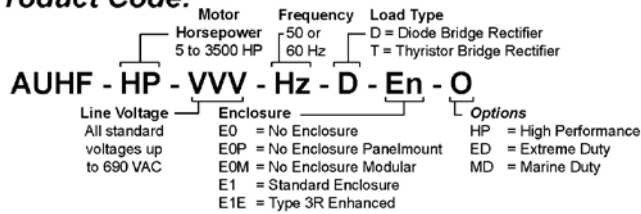
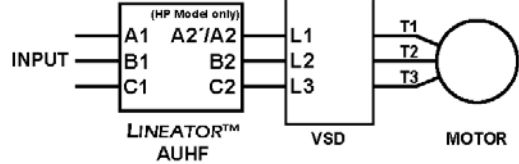


Product Code:



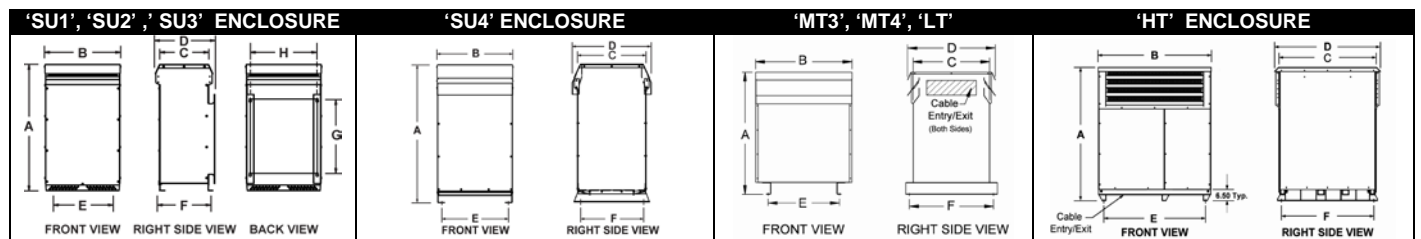
Connection Diagram



| GENERAL SPECIFICATIONS: | |
|---|--|
| RATING | For motor/drive system sizes 5HP(4kW) to 3500HP(2600kW) |
| VOLTAGE | Standard voltages up to 690V |
| FREQUENCY | 50 Hz or 60Hz models |
| OVERLOAD CAPABILITY | Suitable for overload of 150% for 60 seconds every 10 minutes |
| HARMONICS TREATED | All harmonics 5 th and higher |
| K-FACTOR SUITABILITY | Up to 20 (Reduced to <1.5 on input of AUHF) |
| MAXIMUM CAPACITIVE REACTIVE CURRENT @ N.L. (kVAR as % of rated kW) | 5 to 75HP: < 20% 100 to 3500HP: 10 to 15% |
| INPUT CURRENT DISTORTION | < 8% @ Full Load < 5% @ Full Load for HP version |
| EFFICIENCY | 5 to 600HP: > 99% 700 to 1800HP: > 99.2% 2000 to 3500HP: > 99.4% |
| ELEVATION | ≤ 3300ft [1000m] above sea level |
| VENTILATION | Convection air cooled |
| AMBIENT TEMPERATURE | ≤ 40 Deg C [104 Deg F] Up to 55 Deg C for ED version |
| WINDING MATERIAL | Copper |
| ENCLOSURE | Type: TYPE-3R, Colour: ANSI 61 Grey Paint: Polyester powder coated Wall Mtg Capability: 5 to 200HP |
| OPTIONS: | TYPE-3R Enhanced Outdoor Ventilated Enclosure, Fan Cooling (150-3500HP), Hinged Doors (150-3500HP), IP Rated |

| Motor Size | | Lineator Rating (3-Phase) | | | | 480V (60Hz) | | | | 600V (60Hz), 690V (50-60Hz) | | | |
|------------|------|---------------------------|---------------|------------------|-----------|--------------------|--------------------------------|--------------------|--------------------------------|-----------------------------|--------------------------------|--------------------|--------------------------------|
| HP | kW | Input Amps | | | Output kW | Standard Enclosure | | Enhanced Enclosure | | Standard Enclosure | | Enhanced Enclosure | |
| | | 460/480V 60Hz | 575/600V 60Hz | 660/690V 50/60Hz | | Case Style | Weight lbs [kg] ^[1] | Case Style | Weight lbs [kg] ^[1] | Case Style | Weight lbs [kg] ^[1] | Case Style | Weight lbs [kg] ^[1] |
| 5 | 4 | 7 | 5 | 5 | 4.5 | SU1 | 58 [26] | SU1-E | 68 [31] | SU1 | 57 [26] | SU1-E | 67 [30] |
| 7.5 | 5.5 | 9 | 7 | 6 | 6.3 | SU1 | 67 [30] | SU1-E | 77 [35] | SU1 | 67 [30] | SU1-E | 77 [35] |
| 10 | 7.5 | 12 | 10 | 8 | 8.5 | SU1 | 78 [35] | SU1-E | 88 [40] | SU1 | 77 [35] | SU1-E | 87 [39] |
| 15 | 11 | 17 | 14 | 12 | 13 | SU1 | 90 [41] | SU1-E | 100 [45] | SU1 | 86 [39] | SU1-E | 96 [44] |
| 20 | 15 | 23 | 18 | 16 | 17 | SU2 | 118 [54] | SU2-E | 128 [58] | SU2 | 98 [45] | SU2-E | 128 [58] |
| 25 | 18.5 | 29 | 23 | 20 | 21 | SU2 | 130 [59] | SU2-E | 140 [64] | SU2 | 125 [57] | SU2-E | 135 [61] |
| 30 | 22 | 34 | 28 | 24 | 25 | SU2 | 142 [65] | SU2-E | 152 [69] | SU2 | 137 [62] | SU2-E | 147 [67] |
| 40 | 30 | 46 | 37 | 32 | 34 | SU2 | 154 [70] | SU2-E | 164 [74] | SU2 | 149 [68] | SU2-E | 159 [72] |
| 50 | 37.5 | 57 | 45 | 40 | 42 | SU3 | 186 [84] | SU3-E | 196 [89] | SU3 | 184 [83] | SU3-E | 196 [89] |
| 60 | 45 | 69 | 55 | 48 | 51 | SU3 | 218 [99] | SU3-E | 228 [103] | SU3 | 206 [94] | SU3-E | 216 [98] |
| 75 | 55 | 85 | 68 | 59 | 63 | SU3 | 304 [138] | SU3-E | 314 [142] | SU3 | 298 [135] | SU3-E | 308 [140] |
| 100 | 75 | 113 | 90 | 79 | 84 | SU3 | 323 [147] | SU3-E | 333 [151] | SU3 | 315 [143] | SU3-E | 325 [147] |
| 125 | 90 | 141 | 112 | 98 | 104 | SU4 | 345 [156] | SU4-E | 419 [191] | SU4 | 345 [156] | SU4-E | 419 [191] |
| 150 | 110 | 169 | 135 | 118 | 125 | SU4 | 365 [166] | SU4-E | 439 [200] | SU4 | 365 [166] | SU4-E | 439 [200] |
| 200 | 150 | 226 | 180 | 158 | 168 | MT3 | 415 [189] | MT3-E | 489 [222] | MT3 | 415 [189] | MT3-E | 489 [222] |
| 250 | 185 | 281 | 225 | 196 | 209 | MT3 | 578 [262] | MT3-E | 640 [290] | MT3 | 578 [262] | MT3-E | 640 [290] |
| 300 | 200 | 337 | 270 | 235 | 251 | MT4 | 585 [266] | MT4-E | 695 [316] | MT4 | 585 [266] | MT4-E | 695 [316] |
| 350 | 250 | 395 | 315 | 275 | 292 | MT4 | 800 [363] | MT4-E | 1006 [456] | MT4 | 780 [354] | MT4-E | 1006 [456] |
| 400 | 315 | 470 | 375 | 325 | 349 | LT1 | 825 [374] | LT1-E | 1031 [467] | LT1 | 805 [365] | LT1-E | 1031 [467] |
| 500 | 400 | 595 | 475 | 415 | 443 | LT1 | 915 [415] | LT1-E | 1121 [508] | LT1 | 915 [415] | LT1-E | 1121 [510] |
| 600 | 450 | 670 | 535 | 470 | 499 | LT2 | 1398 [634] | LT2-E | 1476 [670] | LT2 | 1398 [634] | LT2-E | 1476 [670] |
| 700 | 500 | 780 | 625 | 545 | 579 | LT2 | 1700 [771] | LT2-E | 1839 [834] | LT2 | 1650 [748] | LT2-E | 1740 [789] |
| 800 | 560 | 890 | 715 | 620 | 662 | LT3 | 1882 [854] | LT3-E | 1954 [886] | LT3 | 1805 [819] | LT3-E | 1852 [842] |
| 900 | 630 | 990 | 795 | 690 | 736 | LT3 | 1920 [871] | LT3-E | 2054 [931] | LT3 | 1882 [854] | LT3-E | 2054 [932] |
| 1000 | 710 | 1100 | 880 | 770 | 818 | LT3 | 1950 [884] | LT3-E | 2084 [945] | LT3 | 1915 [869] | LT3-E | 2064 [936] |
| 1100 | 800 | 1210 | 970 | 845 | 900 | HT2 | 2465 [1118] | HT2-E | 2564 [1163] | HT2 | 2331 [1057] | HT2-E | 2515 [1141] |
| 1200 | 900 | 1330 | 1060 | 925 | 987 | HT2 | 2568 [1167] | HT2-E | 2958 [1245] | HT2 | 2465 [1121] | HT2-E | 2855 [1298] |
| 1300 | 970 | 1430 | 1145 | 1000 | 1064 | HT2 | 2718 [1236] | HT2-E | 3408 [1549] | HT2 | 2609 [1186] | HT2-E | 2999 [1363] |
| 1400 | 1000 | 1540 | 1235 | 1075 | 1145 | HT3 | 2858 [1299] | HT3-E | 3548 [1613] | HT3 | 2782 [1265] | HT3-E | 3172 [1442] |
| 1500 | 1120 | 1650 | 1325 | 1155 | 1228 | HT3 | 3598 [1635] | HT3-E | 3690 [1677] | HT3 | 3540 [1606] | HT3-E | 3620 [1642] |
| 1600 | 1200 | 1770 | 1415 | 1235 | 1316 | HT3 | 3748 [1703] | HT3-E | 3840 [1745] | HT3 | 3702 [1679] | HT3-E | 3800 [1724] |
| 1800 | 1350 | 1990 | 1595 | 1390 | 1481 | HT3 | 3848 [1749] | HT3-E | 4376 [1943] | HT3 | 3798 [1723] | HT3-E | 3875 [1758] |
| 2000 | 1450 | 2200 | 1765 | 1535 | 1636 | HT3 | 3978 [1808] | HT3-E | 4506 [2048] | HT3 | 3945 [1789] | HT3-E | 4250 [1928] |
| 2300 | 1700 | 2530 | 2030 | 1765 | 1882 | HT3 | 4075 [1850] | HT3-E | 4600 [2088] | HT3 | 4015 [1821] | HT3-E | 4340 [1969] |
| 2500 | 1850 | 2755 | 2205 | 1920 | 2045 | HT3 | 4650 [2111] | HT3-E | 4750 [2157] | HT3 | 4600 [2087] | HT3-E | 4750 [2155] |
| 2800 | 2100 | 3100 | 2480 | 2160 | 2303 | HT3 | 5000 [2270] | HT3-E | 5100 [2315] | HT3 | 4945 [2243] | HT3-E | 5100 [2313] |
| 3000 | 2250 | 3320 | 2660 | 2315 | 2468 | HT3 | 5225 [2372] | HT3-E | | HT3 | 5180 [2350] | HT3-E | |
| 3500 | 2600 | 3855 | 3085 | 2685 | 2618 | HT3 | 5550 [2520] | HT3-E | | HT3 | 5490 [2490] | HT3-E | |

| Motor Size | | Lineator Rating (3-Phase) | | | | | 208, 240V (60Hz) | | | | 400, 440V (50Hz) | | | |
|------------|------|---------------------------|------------------|---------------|---------------|-----------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|--------------------|--------------------------------|
| HP | kW | Input Amps | | | | Output kW | Standard Enclosure | | Enhanced Enclosure | | Standard Enclosure | | Enhanced Enclosure | |
| | | 208V 60Hz | 220/240V 50/60Hz | 380/400V 50Hz | 415/440V 50Hz | | Case Style | Weight lbs [kg] ^[1] | Case Style | Weight lbs [kg] ^[1] | Case Style | Weight lbs [kg] ^[1] | Case Style | Weight lbs [kg] ^[1] |
| 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 | | 76 [35] | | 86 [39] | | 67 [30] | | 77 [35] |
| 10 | 7.5 | 27 | 24 | 14 | 13 | 8.5 | SU2 | 80 [36] | SU2-E | 80 [36] | SU2 | 78 [35] | SU2-E | 88 [40] |
| 15 | 11 | 40 | 36 | 21 | 19 | 13 | | 117 [53] | | 127 [58] | | 90 [41] | | 100 [45] |
| 20 | 15 | 53 | 48 | 28 | 25 | 17 | SU3 | 138 [63] | SU3-E | 148 [67] | SU3 | 118 [54] | SU3-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 | SU4 | 189 [86] | SU4-E | 199 [90] | SU4 | 142 [65] | SU4-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 | MT3-E | 275 [125] | MT3-E | 333 [151] | MT3 | 186 [84] | MT3-E | 196 [88] |
| 60 | 45 | 158 | 143 | 83 | 76 | 51 | | 315 [143] | | 337 [153] | | 218 [99] | | 228 [103] |
| 75 | 55 | 196 | 178 | 103 | 95 | 63 | SU4 | 325 [148] | SU4-E | 399 [181] | SU4 | 304 [138] | SU4-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 | SU4 | 468 [213] | SU4-E | 542 [246] | SU4 | 345 [156] | SU4-E | 434 [197] |
| 150 | 110 | 388 | 353 | 204 | 187 | 125 | | 553 [251] | | 627 [285] | | 365 [166] | | 469 [213] |
| 200 | 150 | | | 274 | 250 | 168 | SU4 | | SU4-E | | SU4 | 415 [189] | SU4-E | 514 [234] |
| 250 | 185 | | | 340 | 312 | 209 | | | | | | | | 578 [262] |
| 300 | 200 | | | 410 | 374 | 251 | SU4 | | SU4-E | | SU4 | 585 [266] | SU4-E | 670 [305] |
| 350 | 250 | | | 475 | 436 | 292 | | | | | | | | 800 [363] |
| 400 | 315 | | | 565 | 520 | 349 | SU4 | | SU4-E | | SU4 | 825 [374] | SU4-E | 1031 [467] |
| 500 | 400 | | | 720 | 660 | 443 | | | | | | | | 915 [415] |
| 600 | 450 | | | 810 | 740 | 499 | SU4 | | SU4-E | | SU4 | 1098 [499] | SU4-E | 1176 [535] |
| 700 | 500 | | | 940 | 865 | 579 | | | | | | | | 1700 [771] |
| 800 | 560 | | | 1075 | 985 | 662 | SU4 | | SU4-E | | SU4 | 1882 [854] | SU4-E | 1954 [886] |
| 900 | 630 | | | 1200 | 1100 | 736 | | | | | | | | 1920 [871] |
| 1000 | 710 | | | 1335 | 1220 | 818 | SU4 | | SU4-E | | SU4 | 1950 [884] | SU4-E | 2084 [945] |
| 1100 | 800 | | | 1470 | 1340 | 900 | | | | | | | | 2464 [1118] |
| 1200 | 900 | | | 1610 | 1470 | 987 | SU4 | | SU4-E | | SU4 | 2568 [1167] | SU4-E | 2958 [1245] |
| 1300 | 970 | | | 1735 | 1585 | 1064 | | | | | | | | 2718 [1236] |
| 1400 | 1000 | | | 1870 | 1710 | 1145 | SU4 | | SU4-E | | SU4 | 2858 [1299] | SU4-E | 3548 [1613] |
| 1500 | 1120 | | | 2000 | 1835 | 1228 | | | | | | | | 3598 [1635] |
| 1600 | 1200 | | | 2145 | 1965 | 1316 | SU4 | | SU4-E | | SU4 | 3748 [1703] | SU4-E | 3840 [1745] |
| 1800 | 1350 | | | 2410 | 2210 | 1481 | | | | | | | | 3848 [1749] |
| 2000 | 1450 | | | 2670 | 2440 | 1636 | SU4 | | SU4-E | | SU4 | 3978 [1808] | SU4-E | 4506 [2048] |
| 2300 | 1700 | | | 3065 | 2810 | 1882 | | | | | | | | 4075 [1850] |
| 2500 | 1850 | | | 3335 | 3050 | 2045 | SU4 | | SU4-E | | SU4 | 4650 [2111] | SU4-E | 4750 [2157] |
| 2800 | 2100 | | | 3750 | 3435 | 2303 | | | | | | | | 5000 [2270] |
| 3000 | 2250 | | | 4020 | 3680 | 2468 | SU4 | | SU4-E | | SU4 | 5225 [2372] | SU4-E | |
| 3500 | 2600 | | | 4265 | 3905 | 2618 | | | | | | | | 5550 [2520] |



| CASE STYLE | | ENCLOSURE 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] | 9.00 [229] | 8.50 [216] | 12.00 [305] | 9.00 [228] |
| SU2 | SU2-E | 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 | SU3-E | 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 | SU4-E | 40.00 [1016] | 22.00 [559] | 18.50 [470] | 23.00 [584] | 20.00 [508] | 20.00 [508] | | |
| 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] | | |

Notes:

1. Approximate Values.
2. Specifications are subject to change without notice.
3. Lineator sizing is by standard motor horsepower and kW ratings. Each is capable of supplying the larger of the two ratings.
4. Cable entry is from left or right side only unless otherwise indicated.
5. For additional information refer to: Typical Specifications, Internal Layout and Connection Diagrams.

