

Variable Transformers Product Selector Guide



STACO
ENERGY[®]
PRODUCTS CO.



Product Quick Selector

The STACO Variable Transformer Product Quick Selector is a guide to all standard single-phase and three-phase variable transformers in the Staco product line including portable, ganged and motorized models. Units are listed by voltage rating and by increasing values of current and KVA. With known values of voltage, current and frequency, the STACO Variable Transformer Selector can be used to locate the particular transformer that best fits your requirements. If a motor driven model is ordered, be sure to prefix the part number with the desired travel time, typically 5, 15, 30 or 60 seconds. For non-standard operating conditions, refer to the Product Design and Engineering Section of this catalog. Ratings and configurations not included in the Variable Transformer Selector may be obtained by consulting our STACO representative or by contacting the factory.

| | INPUT | | OUTPUT | | | | MANUALLY OPERATED PART NUMBER | MOTOR DRIVEN | | DETAILED TECHNICAL INFO PAGE | |
|--------------|-------|---------|---------|------------------------|---------|--------------------------|--------------------------------------|--------------|-----------------------------------|------------------------------|---------|
| | VOLTS | HERTZ | VOLTS | CONSTANT CURRENT LOAD† | | CONSTANT IMPEDANCE LOAD‡ | | PART NUMBER | AVAILABLE SPEEDS (sec. at 60 Hz*) | | |
| | | | | MAX AMPS | MAX KVA | MAX AMPS | | | | | MAX KVA |
| SINGLE PHASE | 120 | 50/60 | 0-120 | 1.75 | 0.21 | 2.2 | 0.26 | 171 | — | — | 10 |
| | | 60 | 0-132 | 1.75 | 0.23 | — | — | — | — | — | 10 |
| | | 50/60 | 0-120 | 2.00 | 0.24 | 2.5 | 0.30 | 201 | — | — | 10 |
| | | 60 | 0-132 | 2.00 | 0.26 | — | — | — | — | — | 10 |
| | | 50/60 | 0-120 | 2.50 | 0.30 | 3.2 | 0.38 | 221-B | — | — | 10 |
| | | 60 | 0-132 ■ | 2.50 | 0.33 | — | — | 3PN221B | — | — | 10 |
| | | 50/60 | 0-120 | 3.00 | 0.36 | 3.5 | 0.42 | 291 | — | — | 11 |
| | 60 | 0-132 | 3.00 | 0.40 | — | — | — | — | — | 11 | |
| | 50/60 | 0-120 | 5.0 | 0.60 | 7.0 | 0.84 | 501-B, 511 | M501-B | 5,15,30,60 | 12 | |
| | 60 | 0-140 ■ | 5.0 | 0.70 | — | — | 3PN501B | — | — | 12 | |
| | 50/60 | 0-120 | 10 | 1.20 | 13 | 1.56 | 1010B | M1010B | 5,15,30,60 | 14 | |
| | 60 | 0-140 ■ | 10 | 1.40 | — | — | 3PN1010B | — | — | 14 | |
| | 60 | 0-120 | 12 | 1.44 | 15 | 1.80 | 1210B | M1210B | 5,15,30,60 | 17 | |
| | | | | | | | 3PN1210B | — | — | 17 | |
| | | | 0-120 | 15 | 1.80 | 20 | 2.40 | 1510 | M1510B | 5,15,30,60 | 18 |
| | | | 0-140 ■ | 15 | 2.10 | — | — | 3PN1510B | — | — | 18 |
| | | | 0-140 ■ | 22 | 3.08 | — | — | 3PN2210B | — | — | 20 |
| | | | 0-120 | 25 | 3.00 | 30 | 3.60 | 2510 | M2510 | 5,15,30,60 | 20 |
| | | | 0-140 | 25 | 3.50 | — | — | — | — | — | 20 |
| | | | 0-120 | 50 | 6.00 | 60 | 7.20 | 2510-2* | M2510-2* | 5,15,30,60 | 20 |
| | | | 0-140 | 50 | 7.00 | — | — | — | — | — | 20 |
| | | | 0-140 | 50 | 7.00 | — | — | 5011 | M5011 | 5,15,30,60 | 22 |
| | | | 0-120 | 60 | 7.20 | — | — | 6011 | M6011 | 5,15,30,60 | 30 |
| | | | 0-140 | 60 | 8.40 | — | — | — | — | — | 30 |
| | | | 0-120 | 75 | 9.00 | 90 | 10.80 | 2510-3** | M2511-3** | 5,15,30,60 | 20 |
| | | | 0-140 | 75 | 10.50 | — | — | — | — | — | 20 |
| | | | 0-140 | 100 | 14.00 | — | — | 5011-2P | M5011-2P | 5,15,30,60 | 22 |
| | | | 0-120 | 120 | 14.40 | — | — | 6011-2P | M6011-2P | 5,15,30,60 | 30 |
| | | | 0-140 | 120 | 16.80 | — | — | — | — | — | 30 |
| | | | 0-140 | 150 | 21.00 | — | — | 5011-3P | M5011-3P | 5,15,30,60 | 22 |
| | | | 0-120 | 180 | 21.60 | — | — | 6011-3P | M6011-3P | 5,15,30,60 | 30 |
| | | | 0-140 | 180 | 25.20 | — | — | — | — | — | 30 |
| | | 0-140 | 200 | 28.00 | — | — | 5011-4P | M5011-4P | 15,30,60 | 23 | |
| | | 0-120 | 240 | 28.80 | — | — | 6011-4P | M6011-4P | 15,30,60 | 31 | |
| | | 0-140 | 240 | 33.60 | — | — | — | — | — | 31 | |
| | | 0-140 | 250 | 35.00 | — | — | 5011-5P | M5011-5P | 15,30,60 | 23 | |
| | | 0-120 | 300 | 36.00 | — | — | 6011-5P | M6011-5P | 15,30,60 | 31 | |
| | | 0-140 | 300 | 42.00 | — | — | — | — | — | 31 | |
| | | 0-140 | 300 | 42.00 | — | — | 5011-6P | M5011-6P | 15,30,60 | 23 | |
| | | 0-140 | 350 | 49.00 | — | — | 5011-7P | M5011-7P | 30, 60 | 24 | |
| | | 0-120 | 360 | 43.20 | — | — | 6011-6P | M6011-6P | 15,30,60 | 31 | |
| | | 0-140 | 360 | 50.40 | — | — | — | — | — | 31 | |
| | | 0-140 | 400 | 56.00 | — | — | 5011-8P | M5011-8P | 30, 60 | 24 | |
| | | 0-120 | 420 | 50.40 | — | — | 6011-7P | M6011-7P | 30, 60 | 32 | |
| | | 0-140 | 420 | 58.80 | — | — | — | — | — | 32 | |

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| | INPUT | | OUTPUT | | | | MANUALLY OPERATED | MOTOR DRIVEN | | DETAILED TECHNICAL INFO PAGE | |
|---------------------------|---------|-------|---------|------------------------|----------|--------------------------|-------------------|--------------|-----------------------------------|------------------------------|---------|
| | VOLTS | HERTZ | VOLTS | CONSTANT CURRENT LOAD† | | CONSTANT IMPEDANCE LOAD‡ | | PART NUMBER | AVAILABLE SPEEDS (sec. at 60 Hz*) | | |
| | | | | MAX AMPS | MAX KVA | MAX AMPS | | | | | MAX KVA |
| SINGLE PHASE | 120 | 50/60 | 0-140 | 450 | 63.00 | — | — | 5011-9P | M5011-9P | 30, 60 | 24 |
| | | | 0-120 | 480 | 57.60 | — | — | 6011-8P | M6011-8P | 30, 60 | 32 |
| | | | 0-140 | 480 | 67.20 | — | — | | | | |
| | | | 0-120 | 540 | 64.80 | — | — | 6011-9P | M6011-9P | 30, 60 | 32 |
| | | | 0-140 | 540 | 75.60 | — | — | | | | |
| SINGLE Ø VOLTAGE DOUBLERS | 120 | 50/60 | 0-280 | 3.50▲ | 0.42 | — | — | 1020B | M1020B | 5,15,30,60 | 14 |
| | | | | 9.50▲ | 1.14 | — | — | 1520 | M1520 | 5,15,30,60 | 18 |
| | | | | 10▲ | 1.20 | — | — | 2520 | M2520 | 5,15,30,60 | 20 |
| | | | | 20▲ | 2.40 | — | — | 2520-2* | M2520-2* | 5,15,30,60 | 20 |
| | | | | 28▲ | 3.40 | — | — | 5021 | M5021 | 5,15,30,60 | 22 |
| | | | | 30▲ | 3.60 | — | — | 2520-3 | M2520-3 | 5,15,30,60 | 20 |
| | | | | 35▲ | 4.20 | — | — | 6020 | M6020 | 5,15,30,60 | 30 |
| | | | | 56▲ | 6.80 | — | — | 5021-2P | M5021-2P | 5,15,30,60 | 22 |
| | | | | 70▲ | 8.40 | — | — | 6020-2P | M6020-2P | 5,15,30,60 | 30 |
| | | | | 84▲ | 10.20 | — | — | 5021-3P | M5021-3P | 5,15,30,60 | 23 |
| | | | | 105▲ | 12.60 | — | — | 6020-3P | M6020-3P | 5,15,30,60 | 31 |
| | | | | 112▲ | 13.50 | — | — | 5021-4P | M5021-4P | 15, 30, 60 | 23 |
| | | | | 140▲ | 16.80 | — | — | 6020-4P | M6020-4P | 15, 30, 60 | 31 |
| | | | | 168▲ | 20.40 | — | — | 5021-6P | M5021-6P | 15, 30, 60 | 24 |
| | | | | 175▲ | 21.00 | — | — | 6020-5P | M6020-5P | 15, 30, 60 | 31 |
| | | | | 196▲ | 23.50 | — | — | 5021-7P | M5021-7P | 30, 60 | 24 |
| | | | | 210▲ | 25.20 | — | — | 6020-6P | M6020-6P | 15, 30, 60 | 32 |
| 224▲ | 26.90 | — | — | 5021-8P | M5021-8P | 30, 60 | 24 | | | | |
| 245▲ | 29.40 | — | — | 6020-7P | M6020-7P | 30, 60 | 32 | | | | |
| 252▲ | 30.20 | — | — | 5021-9P | M5021-9P | 30, 60 | 24 | | | | |
| 280▲ | 33.60 | — | — | 6020-8P | M6020-8P | 30, 60 | 32 | | | | |
| 315▲ | 37.80 | — | — | 6020-9P | M6020-9P | 30, 60 | 32 | | | | |
| SINGLE PHASE | 240 | 50/60 | 0-240 | 0.80 | 0.19 | 1.00 | 0.24 | 252 | — | — | 10 |
| | | 60 | 0-264 | 0.80 | 0.21 | — | — | | | | |
| | | 50/60 | 0-240 | 1.75 | 0.42 | 2.20 | 0.53 | 171-2 | — | — | 10 |
| | | 60 | 0-264 | 1.75 | 0.46 | — | — | | | | |
| | | 50/60 | 0-240 | 2.00 | 0.48 | 2.50 | 0.60 | 201-2 | — | — | 10 |
| | | 60 | 0-264 | 2.00 | 0.53 | — | — | | | | |
| | | 50/60 | 0-240 | 2.50 | 0.60 | 3.20 | 0.77 | 221-B-2 | — | — | 10 |
| | | 60 | 0-264 | 2.50 | 0.66 | — | — | | | | |
| | | 50/60 | 0-240 | 3.00 | 0.72 | 3.50 | 0.84 | 291-2 | — | — | 11 |
| | | 60 | 0-264 | 3.00 | 0.79 | — | — | | | | |
| | | 50/60 | 0-240 | 3.50 | 0.84 | 5.0 | 1.20 | 1020B | M1020B | 5,15,30,60 | 14 |
| | | 60 | 0-280 ■ | 3.50 | 0.98 | — | — | 3PN1020B | — | — | |
| | | 50/60 | 0-240 | 5.00 | 1.20 | 7.00 | 1.68 | 501-B-2 | M501-B-2 | 5,15,30,60 | 12 |
| | | 60 | 0-280 | 5.00 | 1.40 | — | — | — | — | — | — |
| | | 50/60 | 0-240 | 9.50 | 2.28 | 12.00 | 2.88 | 1220B | M1220B | 5,15,30,60 | 17 |
| | | 60 | 0-240 | 9.50 | 2.66 | — | — | 3PN1220B | — | — | |
| | | 50/60 | 0-240 | 9.50 | 2.66 | — | — | 1520 | M1520 | 5,15,30,60 | 18 |
| 60 | 0-280 ■ | 9.50 | 2.66 | — | — | 3PN1520B | — | — | | | |
| 50/60 | 0-240 | 10 | 2.40 | 13 | 3.12 | 1010B-2 | M1010B-2 | 5,15,30,60 | 14 | | |
| 60 | 0-280 | 10 | 2.80 | — | — | — | — | — | — | | |
| 50/60 | 0-240 | 10 | 2.40 | 13 | 3.12 | 2520 | M2520 | 5,15,30,60 | 20 | | |
| 60 | 0-280 ■ | 10 | 2.80 | — | — | 3PN2520B | — | — | | | |
| 50/60 | 0-240 | 12 | 2.88 | 15 | 3.60 | 1210B-2 | M1210B-2 | 5,15,30,60 | 17 | | |
| 60 | 0-280 | 15 | 3.60 | 20 | 4.80 | — | — | — | — | | |
| 50/60 | 0-240 | 15 | 4.20 | — | — | 1510-2 | M1510-2 | 5,15,30,60 | 18 | | |
| 60 | 0-280 | 15 | 4.20 | — | — | — | — | — | — | | |
| 50/60 | 0-240 | 20 | 4.80 | 26 | 6.20 | 2520-2* | M2520-2* | 5,15,30,60 | 20 | | |
| 60 | 0-280 | 20 | 5.60 | — | — | — | — | — | — | | |
| 50/60 | 0-240 | 25 | 6.00 | 30 | 7.20 | 2510-2 | M2510-2 | 5,15,30,60 | 20 | | |
| 60 | 0-280 | 25 | 7.00 | — | — | — | — | — | — | | |
| 50/60 | 0-240 | 28 | 6.70 | — | — | 5021 | M5021 | 5,15,30,60 | 22 | | |
| 60 | 0-280 | 28 | 7.80 | — | — | — | — | — | — | | |

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| | INPUT | | OUTPUT | | | | MANUALLY OPERATED | MOTOR DRIVEN | | DETAILED TECHNICAL INFO PAGE | | |
|--------------|---------------------|-------|------------------|------------------------|----------------|--------------------------|-------------------|--------------|-----------------------------------|------------------------------|------------|----|
| | VOLTS | HERTZ | VOLTS | CONSTANT CURRENT LOAD† | | CONSTANT IMPEDANCE LOAD‡ | | PART NUMBER | AVAILABLE SPEEDS (sec. at 60 Hz*) | | | |
| | | | | MAX AMPS | MAX KVA | MAX AMPS | | | | | MAX KVA | |
| SINGLE PHASE | 240 | 50/60 | 0-240 0-280 | 30 30 | 7.20 8.40 | 39 — | 9.40 — | 2520-3** | M2520-3** | 5,15,30,60 | 20 | |
| | | 50/60 | 0-240 0-280 | 35 35 | 8.40 9.80 | — — | — — | 6020 | M6020 | 5,15,30,60 | 30 | |
| | | 50/60 | 0-280 | 50 | 14.00 | — | — | 5011-2S | M5011-2S | 5,15,30,60 | 22 | |
| | | 50/60 | 0-240 0-280 | 56 56 | 13.40 15.70 | — — | — — | 5021-2P | M5021-2P | 5,15,30,60 | 22 | |
| | | 50/60 | 0-240 0-280 | 60 60 | 14.40 16.80 | — — | — — | 6011-2S | M6011-2S | 5,15,30,60 | 30 | |
| | | 50/60 | 0-240 0-280 | 70 70 | 16.80 19.60 | — — | — — | 6020-2P | M6020-2P | 5,15,30,60 | 30 | |
| | | 50/60 | 0-240 0-280 | 84 84 | 20.20 23.50 | — — | — — | 5021-3P | M5021-3P | 5,15,30,60 | 23 | |
| | | 50/60 | 0-240 0-280 | 105 105 | 25.20 29.40 | — — | — — | 6020-3P | M6020-3P | 5,15,30,60 | 31 | |
| | | 50/60 | 0-240 0-280 | 112 112 | 26.90 31.40 | — — | — — | 5021-4P | M5021-4P | 15, 30, 60 | 23 | |
| | | 50/60 | 0-240 0-280 | 120 | 28.80 | — | — | 6011-4PS | M6011-4PS | 15, 30, 60 | 31 | |
| | | | | 140 | 33.60 | — | — | 6020-4P | M6020-4P | 15, 30, 60 | 31 | |
| | | | 0-280 | 150 | 42.00 | — | — | 5011-6PS | M5011-6PS | 15, 30, 60 | 23 | |
| | | | 0-240 0-280 | 168 | 40.30 47.00 | — — | — — | 5021-6P | M5021-6P | 15, 30, 60 | 24 | |
| | | | 0-240 0-280 | 175 | 42.00 49.00 | — — | — — | 6020-5P | M6020-5P | 15, 30, 60 | 31 | |
| | | | 0-240 0-280 | 180 | 43.20 50.40 | — — | — — | 6011-6PS | M6011-6PS | 15, 30, 60 | 31 | |
| | | | 0-240 0-280 | 196 | 47.00 54.90 | — — | — — | 5021-7P | M5021-7P | 30, 60 | 24 | |
| | | | 0-240 0-280 | 210 | 50.40 58.80 | — — | — — | 6020-6P | M6020-6P | 15, 30, 60 | 32 | |
| | | | 0-240 0-280 | 224 | 53.80 62.70 | — — | — — | 5021-8P | M5021-8P | 30, 60 | 24 | |
| | 0-240 0-280 | | 240 | 57.60 67.20 | — — | — — | 6011-8PS | M6011-8PS | 30, 60 | 32 | | |
| | 0-240 0-280 | | 245 | 58.80 68.60 | — — | — — | 6020-7P | M6020-7P | 30, 60 | 32 | | |
| | 0-280 | | 250 | 70.00 | — | — | — | M5011-10PS | 30, 60 | 24 | | |
| | 0-240 0-280 | | 252 | 60.50 70.60 | — — | — — | 5021-9P | M5021-9P | 30, 60 | 24 | | |
| | 0-240 0-280 | | 280 | 67.20 78.40 | — — | — — | 6020-8P | M6020-8P | 30, 60 | 32 | | |
| | 0-240 0-280 | 300 | 72.00 84.00 | — — | — — | — | M6011-10PS | 30, 60 | 32 | | | |
| | 0-240 0-280 | 315 | 75.60 88.20 | — — | — — | 6020-9P | M6020-9P | 30, 60 | 32 | | | |
| | 0-240 0-280 | 360 | 86.40 100.80 | — — | — — | — | M6011-12PS | 30, 60 | 33 | | | |
| | 0-240 0-280 | 420 | 100.80 117.60 | — — | — — | — | M6011-14PS | 60 | 33 | | | |
| | 0-240 0-280 | 480 | 115.20 134.40 | — — | — — | — | M6011-16PS | 60 | 33 | | | |
| | 0-240 0-280 | 540 | 129.60 151.20 | — — | — — | — | M6011-18PS | 60 | 33 | | | |
| | 1 PHASE V. DOUBLERS | 240 | 50/60 | 0-560 | 3.50 ▲ | 0.84 | — | — | 1020B-2 | M1020B-2 | 5,15,30,60 | 14 |
| | | | | | 9.50 ▲ | 2.28 | — | — | 1520-2 | M1520-2 | 5,15,30,60 | 18 |
| | | | | | 10 ▲ | 2.40 | — | — | 2520-2 | M2520-2 | 5,15,30,60 | 20 |
| 28 ▲ | | | | | 6.80 | — | — | 5021-2S | M5021-2S | 5,15,30,60 | 22 | |
| 35 ▲ | | | | | 8.40 | — | — | 6020-2S | M6020-2S | 5,15,30,60 | 30 | |

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|-------------------------------|-------|--------|------------------------|--------------|--------------------------|-----------|-------------|-------------------|--------------|-----------------------------------|------------------------------|
| VOLTS | HERTZ | VOLTS | CONSTANT CURRENT LOAD† | | CONSTANT IMPEDANCE LOAD‡ | | PART NUMBER | | PART NUMBER | AVAILABLE SPEEDS (sec. at 60 Hz*) | |
| | | | MAX AMPS | MAX KVA | MAX AMPS | MAX KVA | | | | | |
| SINGLE PHASE VOLTAGE DOUBLERS | 240 | 50/60 | 0-560 | 56 ▲ | 13.50 | — | — | 5021-4PS | M5021-4PS | 15, 30, 60 | 23 |
| | | | | 70 ▲ | 16.80 | — | — | 6020-4PS | M6020-4PS | 15, 30, 60 | 31 |
| | | | | 84 ▲ | 20.40 | — | — | 5021-6PS | M5021-6PS | 15, 30, 60 | 24 |
| | | | | 105▲ | 25.20 | — | — | 6020-6PS | M6020-6PS | 15, 30, 60 | 32 |
| | | | | 112 ▲ | 26.90 | — | — | 5021-8PS | M5021-8PS | 30, 60 | 24 |
| | | | | 140 ▲ | 33.60 | — | — | 6020-8PS | M6020-8PS | 30, 60 | 32 |
| | | | | 168 ▲ | 40.30 | — | — | — | M5021-12PS | 30, 60 | 25 |
| | | | | 175 ▲ | 42.00 | — | — | — | M6020-10PS | 30, 60 | 33 |
| | | | | 196 ▲ | 47.10 | — | — | — | M5021-14PS | 60 | 25 |
| | | | | 210 ▲ | 50.40 | — | — | — | M6020-12PS | 30, 60 | 33 |
| | | | | 224 ▲ | 53.80 | — | — | — | M5021-16PS | 60 | 25 |
| | | | | 245 ▲ | 58.80 | — | — | — | M6020-14PS | 60 | 33 |
| | | | | 252 ▲ | 60.50 | — | — | — | M5021-18PS | 60 | 25 |
| | | | | 280 ▲ | 67.20 | — | — | — | M6020-16PS | 60 | 33 |
| 315 ▲ | 75.60 | — | — | — | M6020-18PS | 60 | 33 | | | | |
| SINGLE PHASE | 480 | 50/60 | 0-480 0-528 | 0.80 0.80 | 0.38 0.42 | 1.00 — | 0.48 — | 252-2 | — | — | 10 |
| | | 50/60 | 0-480 0-560 | 3.50 3.50 | 1.68 1.96 | 5.00 — | 2.40 — | 1020B-2 | M1020B-2 | 5,15,30,60 | 14 |
| | | 60 | 0-480 | 5.00 | 2.40 | 7.00 | 3.36 | 1220B-2 | M1220B-2 | 5,15,30,60 | 17 |
| | | 50/60 | 0-480 0-560 | 9.50 9.50 | 4.56 5.32 | 12 — | 5.76 — | 1520-2 | M1520-2 | 5,15,30,60 | 18 |
| | | | 0-480 0-560 | 10 10 | 4.80 5.60 | 13 — | 6.24 — | 2520-2 | M2520-2 | 5,15,30,60 | 20 |
| | | | 0-480 0-560 | 28 28 | 13.50 15.70 | — — | — — | 5021-2S | M5021-2S | 5,15,30,60 | 22 |
| | | | 0-480 0-560 | 35 35 | 16.80 19.60 | — — | — — | 6020-2S | M6020-2S | 5,15,30,60 | 30 |
| | | | 0-480 0-560 | 56 56 | 26.90 31.40 | — — | — — | 5021-4PS | M5021-4PS | 15, 30, 60 | 23 |
| | | | 0-480 0-560 | 70 70 | 33.60 39.20 | — — | — — | 6020-4PS | M6020-4PS | 15, 30, 60 | 31 |
| | | | 0-480 0-560 | 84 84 | 40.30 47.00 | — — | — — | 5021-6PS | M5021-6PS | 15, 30, 60 | 24 |
| | | | 0-480 0-560 | 105 105 | 50.40 58.80 | — — | — — | 6020-6PS | M6020-6PS | 15, 30, 60 | 32 |
| | | | 0-480 0-560 | 112 112 | 53.80 62.70 | — — | — — | 5021-8PS | M5021-8PS | 30, 60 | 24 |
| | | | 0-480 0-560 | 140 140 | 67.20 78.40 | — — | — — | 6020-8PS | M6020-8PS | 30, 60 | 32 |
| | | | 0-480 0-560 | 168 168 | 80.60 94.10 | — — | — — | — | M5021-12PS | 30, 60 | 25 |
| | | | 0-480 0-560 | 175 175 | 84.00 98.00 | — — | — — | — | M6020-10PS | 30, 60 | 33 |
| | | | 0-480 0-560 | 196 196 | 94.10 109.80 | — — | — — | — | M5021-14PS | 60 | 25 |
| | | | 0-480 0-560 | 210 210 | 100.80 117.60 | — — | — — | — | M6020-12PS | 30, 60 | 33 |
| | | | 0-480 0-560 | 224 224 | 107.50 125.50 | — — | — — | — | M5021-16PS | 60 | 25 |
| | | | 0-480 0-560 | 245 245 | 117.60 137.20 | — — | — — | — | M6020-14PS | 60 | 33 |
| | | | 0-480 0-560 | 252 252 | 121.00 141.00 | — — | — — | — | M5021-18PS | 60 | 25 |
| | | | 0-480 0-560 | 280 280 | 134.40 156.80 | — — | — — | — | M6020-16PS | 60 | 33 |
| | | | 0-480 0-560 | 315 315 | 151.20 176.40 | — — | — — | — | M6020-18PS | 60 | 33 |

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|---|-------|--------|--------|------------------------|-----------|--------------------------|-------------------|--------------|-----------------------------------|------------------------------|---------|
| | VOLTS | HERTZ | VOLTS | CONSTANT CURRENT LOAD† | | CONSTANT IMPEDANCE LOAD‡ | | PART NUMBER | AVAILABLE SPEEDS (sec. at 60 Hz*) | | |
| | | | | MAX AMPS | MAX KVA | MAX AMPS | | | | | MAX KVA |
| THREE PHASE OPEN DELTA VOLTAGE DOUBLERS | 120 | 50/60 | 0-280 | 3.50▲ | 0.73 | — | — | 1020B-2 | M1020B-2 | 5,15,30,60 | 14 |
| | | | | 9.50▲ | 1.98 | — | — | 1520-2 | M1520-2 | 5,15,30,60 | 18 |
| | | | | 10▲ | 2.10 | — | — | 2520-2 | M2520-2 | 5,15,30,60 | 20 |
| | | | | 28▲ | 5.80 | — | — | 5021-2D | M5021-2D | 5,15,30,60 | 22 |
| | | | | 35▲ | 7.30 | — | — | 6020-2D | M6020-2D | 5,15,30,60 | 30 |
| | | | | 56▲ | 11.80 | — | — | 5021-4D | M5021-4D | 15, 30, 60 | 23 |
| | | | | 70▲ | 14.50 | — | — | 6020-4D | M6020-4D | 15, 30, 60 | 31 |
| | | | | 84▲ | 17.60 | — | — | 5021-6D | M5021-6D | 15, 30, 60 | 24 |
| | | | | 105▲ | 21.80 | — | — | 6020-6D | M6020-6D | 15, 30, 60 | 32 |
| | | | | 112▲ | 23.30 | — | — | 5021-8D | M5021-8D | 30, 60 | 24 |
| | | | | 140▲ | 29.10 | — | — | 6020-8D | M6020-8D | 30, 60 | 32 |
| | | | | 175▲ | 36.30 | — | — | — | M6020-10D | 30, 60 | 32 |
| | | | | 196▲ | 40.80 | — | — | — | M5021-14D | 60 | 25 |
| | | | | 210▲ | 43.60 | — | — | — | M6020-12D | 30, 60 | 33 |
| | | | | 224▲ | 46.60 | — | — | — | M5021-16D | 60 | 25 |
| | | | | 245▲ | 50.90 | — | — | — | M6020-14D | 60 | 33 |
| | | | | 252▲ | 52.50 | — | — | — | M5021-18D | 60 | 25 |
| 280▲ | 58.10 | — | — | — | M6020-16D | 60 | 33 | | | | |
| 315▲ | 94.50 | — | — | — | M6020-18D | 60 | 33 | | | | |
| THREE PHASE OPEN DELTA | 240 | 50/60 | 0-240 | 0.80 | 0.33 | 1.00 | 0.42 | 252-2 | — | — | 10 |
| | | | 0-264 | 0.80 | 0.37 | — | — | — | — | — | — |
| | | 60 | 0-240 | 3.50 | 1.45 | 5.00 | 2.08 | 1020B-2 | M1020B-2 | 5,15,30,60 | 14 |
| | | | 0-280 | 3.50 | 1.70 | — | — | — | — | — | — |
| | | 50/60 | 0-240 | 5.00 | 2.08 | 7.00 | 2.91 | 1220B-2 | M1220B-2 | 5,15,30,60 | 17 |
| | | | 0-240 | 9.50 | 3.95 | 12 | 5.00 | 1520-2 | M1520-2 | 5,15,30,60 | 18 |
| | | | 0-280 | 9.50 | 4.61 | — | — | — | — | — | — |
| | | | 0-240 | 10 | 4.20 | 13 | 5.40 | 2520-2 | M2520-2 | 5,15,30,60 | 20 |
| | | | 0-280 | 10 | 4.85 | — | — | — | — | — | — |
| | | | 0-240 | 28 | 11.60 | — | — | 5021-2D | M5021-2D | 5,15,30,60 | 22 |
| | | | 0-280 | 28 | 13.60 | — | — | — | — | — | — |
| | | | 0-240 | 35 | 14.50 | — | — | 6020-2D | M6020-2D | 5,15,30,60 | 30 |
| | | | 0-280 | 35 | 16.90 | — | — | — | — | — | — |
| | | | 0-240 | 56 | 23.30 | — | — | 5021-4D | M5021-4D | 15, 30, 60 | 23 |
| | | | 0-280 | 56 | 27.20 | — | — | — | — | — | — |
| | | | 0-240 | 70 | 29.10 | — | — | 6020-4D | M6020-4D | 15, 30, 60 | 31 |
| | | | 0-280 | 70 | 33.90 | — | — | — | — | — | — |
| | | | 0-240 | 84 | 34.90 | — | — | 5021-6D | M5021-6D | 15, 30, 60 | 24 |
| | | | 0-280 | 84 | 40.70 | — | — | — | — | — | — |
| | | | 0-240 | 105 | 43.60 | — | — | 6020-6D | M6020-6D | 15, 30, 60 | 32 |
| | | | 0-280 | 105 | 50.90 | — | — | — | — | — | — |
| | | | 0-240 | 112 | 46.60 | — | — | 5021-8D | M5021-8D | 30, 60 | 24 |
| | | | 0-280 | 112 | 54.30 | — | — | — | — | — | — |
| | | | 0-240 | 140 | 58.10 | — | — | 6020-8D | M6020-8D | 30, 60 | 32 |
| | | | 0-280 | 140 | 67.80 | — | — | — | — | — | — |
| | | | 0-240 | 175 | 72.70 | — | — | — | M6020-10D | 30, 60 | 32 |
| | | | 0-280 | 175 | 84.80 | — | — | — | — | — | — |
| | | | 0-240 | 196 | 81.50 | — | — | — | M5021-14D | 60 | 25 |
| 0-280 | 196 | | 95.10 | — | — | — | — | — | — | | |
| 0-240 | 210 | | 87.20 | — | — | — | M6020-12D | 30, 60 | 33 | | |
| 0-280 | 210 | | 101.70 | — | — | — | — | — | — | | |
| 0-240 | 224 | | 93.10 | — | — | — | M5021-16D | — | 25 | | |
| 0-280 | 224 | 108.60 | — | — | — | — | — | — | | | |
| 0-240 | 245 | 101.70 | — | — | — | M6020-14D | 60 | 33 | | | |
| 0-280 | 245 | 118.70 | — | — | — | — | — | — | | | |
| 0-240 | 252 | 104.50 | — | — | — | M5021-18D | 60 | 25 | | | |
| 0-280 | 252 | 122.20 | — | — | — | — | — | — | | | |
| 0-240 | 280 | 116.30 | — | — | — | M6020-16D | 60 | 33 | | | |
| 0-280 | 280 | 135.60 | — | — | — | — | — | — | | | |
| 0-240 | 315 | 130.80 | — | — | — | M6020-18D | 60 | 33 | | | |
| 0-280 | 315 | 152.60 | — | — | — | — | — | — | | | |

See legend on last page.

| | INPUT | | OUTPUT | | | | MANUALLY OPERATED | MOTOR DRIVEN | | DETAILED TECHNICAL INFO PAGE | | | |
|---|--------|-------|--------|------------------------|-----------|--------------------------|-------------------|--------------|-----------------------------------|------------------------------|-----------|------------|----|
| | VOLTS | HERTZ | VOLTS | CONSTANT CURRENT LOAD† | | CONSTANT IMPEDANCE LOAD‡ | | PART NUMBER | AVAILABLE SPEEDS (sec. at 60 Hz*) | | | | |
| | | | | MAX AMPS | MAX KVA | MAX AMPS | | | | | MAX KVA | | |
| THREE PHASE WYE | 240 | 60 | 0-240 | 1.75 | 0.73 | 2.20 | 0.92 | 171-3 | — | — | 10 | | |
| | | 60 | 0-240 | 2.00 | 0.83 | 2.50 | 1.04 | 201-3 | — | — | 10 | | |
| | | 60 | 0-240 | 2.50 | 1.04 | 3.20 | 1.33 | 221-B-3 | — | — | 10 | | |
| | | 60 | 0-240 | 3.00 | 1.25 | 3.50 | 1.45 | 291-3 | — | — | 11 | | |
| | | 50/60 | 0-240 | 5.00 | 2.08 | 7.00 | 2.91 | 501-B-3 | M501-B-3 | 5,15,30,60 | 12 | | |
| | | 60 | 0-280 | 5.00 | 2.43 | — | — | | | | | | |
| | | 50/60 | 0-240 | 10 | 4.16 | 13 | 5.40 | 1010B-3 | M1010B-3 | 5,15,30,60 | 14 | | |
| | | 60 | 0-280 | 10 | 4.85 | — | — | | | | | | |
| | | 60 | 0-240 | 12 | 4.96 | 15 | 6.24 | 1210B-3 | M1210B-3 | 5,15,30,60 | 17 | | |
| | | 50/60 | 0-240 | 15 | 6.22 | 20 | 8.30 | 1510-3 | M1510-3 | 5,15,30,60 | 18 | | |
| | | 60 | 0-280 | 15 | 7.26 | — | — | | | | | | |
| | | 50/60 | 0-240 | 25 | 10.40 | 30 | 12.50 | 2510-3 | M2510-3 | 5,15,30,60 | 20 | | |
| | | 60 | 0-280 | 25 | 12.10 | — | — | | | | | | |
| | | | | | 0-280 | 50 | 24.20 | — | — | 5011-3Y | M5011-3Y | 5,15,30,60 | 22 |
| | | | | | 0-240 | 60 | 24.90 | — | — | 6011-3Y | M6011-3Y | 5,15,30,60 | 30 |
| | | | | | 0-280 | 60 | 29.10 | — | — | | | | |
| | | | | | 0-280 | 100 | 48.50 | — | — | 5011-6Y | M5011-6Y | 15, 30, 60 | 23 |
| | | | | | 0-240 | 120 | 49.80 | — | — | 6011-6Y | M6011-6Y | 15, 30, 60 | 31 |
| | | | | | 0-280 | 120 | 58.10 | — | — | | | | |
| | | | | | 0-280 | 150 | 72.50 | — | — | 5011-9Y | M5011-9Y | 30, 60 | 24 |
| | | | | | 0-240 | 180 | 74.70 | — | — | 6011-9Y | M6011-9Y | 30, 60 | 32 |
| | | | | | 0-280 | 180 | 87.20 | — | — | | | | |
| | | | | | 0-280 | 200 | 96.70 | — | — | — | M5011-12Y | 30, 60 | 25 |
| | | | | | 0-240 | 240 | 99.60 | — | — | — | M6011-12Y | 30, 60 | 33 |
| | | | | | 0-280 | 240 | 116.30 | — | — | | | | |
| | | | | | 0-280 | 250 | 121.00 | — | — | — | M5011-15Y | 60 | 26 |
| | | | | | 0-240 | 300 | 124.60 | — | — | — | M6011-15Y | 60 | 34 |
| | | | | | 0-280 | 300 | 145.30 | — | — | | | | |
| | | | 0-240 | 360 | 149.50 | — | — | — | M6011-18Y | 60 | 34 | | |
| | | | 0-280 | 360 | 174.40 | — | — | | | | | | |
| | | | 0-280 | 400 | 193.70 | — | — | — | M5011-24Y | 60 | 26 | | |
| | | | 0-240 | 420 | 174.40 | — | — | — | M6011-21Y | 60 | 34 | | |
| | | | 0-280 | 420 | 203.40 | — | — | | | | | | |
| | | | 0-280 | 450 | 218.40 | — | — | — | M5011-27Y | 60 | 26 | | |
| | | | 0-240 | 480 | 199.30 | — | — | — | M6011-24Y | 60 | 34 | | |
| | | | 0-280 | 480 | 232.50 | — | — | | | | | | |
| | | | 0-240 | 540 | 224.20 | — | — | — | M6011-27Y | 60 | 34 | | |
| | | | 0-280 | 540 | 261.60 | — | — | | | | | | |
| THREE PHASE WYE VOLTAGE DOUBLERS | 240 | 60 | 0-560 | 3.50▲ | 1.46 | — | — | 1020B-3 | M1020B-3 | 5,15,30,60 | 14 | | |
| | | | | 9.50▲ | 3.96 | — | — | 1520-3 | M1520-3 | 5,15,30,60 | 18 | | |
| | | | | 10▲ | 4.20 | — | — | 2520-3 | M2520-3 | 5,15,30,60 | 20 | | |
| | | | | 28▲ | 11.80 | — | — | 5021-3Y | M5021-3Y | 5,15,30,60 | 23 | | |
| | | | | 35▲ | 14.50 | — | — | 6020-3Y | M6020-3Y | 5,15,30,60 | 31 | | |
| | | | | 56▲ | 23.50 | — | — | 5021-6Y | M5021-6Y | 15, 30, 60 | 24 | | |
| | | | | 70▲ | 29.10 | — | — | 6020-6Y | M6020-6Y | 15, 30, 60 | 32 | | |
| | | | | 84▲ | 35.00 | — | — | 5021-9Y | M5021-9Y | 30, 60 | 24 | | |
| | | | | 105▲ | 43.60 | — | — | 6020-9Y | M6020-9Y | 30, 60 | 32 | | |
| | | | | 112▲ | 46.60 | — | — | — | M5021-12Y | 30, 60 | 25 | | |
| | | | | 140▲ | 58.10 | — | — | — | M6020-12Y | 30, 60 | 34 | | |
| | | | | 168▲ | 70.00 | — | — | — | M5021-18Y | 60 | 26 | | |
| | | | | 175▲ | 72.70 | — | — | — | M6020-15Y | 60 | 34 | | |
| | | | | 196▲ | 82.00 | — | — | — | M5021-21Y | 60 | 26 | | |
| | | | | 210▲ | 87.20 | — | — | — | M6020-18Y | 60 | 34 | | |
| | | | | 224▲ | 93.00 | — | — | — | M5021-24Y | 60 | 26 | | |
| | | | | 245▲ | 101.70 | — | — | — | M6020-21Y | 60 | 34 | | |
| | | | | 252▲ | 105.00 | — | — | — | M5021-27Y | 60 | 26 | | |
| 280▲ | 116.30 | — | — | — | M6020-24Y | 60 | 34 | | | | | | |
| 315▲ | 130.80 | — | — | — | M6020-27Y | 60 | 34 | | | | | | |

See legend on last page.

| INPUT | | OUTPUT | | | | | MANUALLY OPERATED | MOTOR DRIVEN | | DETAILED TECHNICAL INFO PAGE | |
|-----------------|----------------|----------------|------------------------|------------------|--------------------------|------------|-------------------|--------------|-------------|------------------------------|-----------------------------------|
| VOLTS | HERTZ | VOLTS | CONSTANT CURRENT LOAD† | | CONSTANT IMPEDANCE LOAD‡ | | | PART NUMBER | PART NUMBER | | AVAILABLE SPEEDS (sec. at 60 Hz*) |
| | | | MAX AMPS | MAX KVA | MAX AMPS | MAX KVA | | | | | |
| THREE PHASE WYE | 50/60 60 | 0-480 0-528 | 0.80 0.80 | 0.67 0.73 | 1.00 — | 0.83 — | 252-3 | — | — | 10 | |
| | 50/60 60 | 0-480 0-560 | 3.50 3.50 | 2.91 3.40 | 5.00 — | 4.16 — | 1020B-3 | M1020B-3 | 5,15,30,60 | 14 | |
| | 60 | 0-480 | 5.00 | 4.16 | 7.00 | 5.82 | 1220B-3 | M1220B-3 | 5,15,30,60 | 17 | |
| | 50/60 60 | 0-480 0-560 | 9.50 9.50 | 7.90 9.21 | 12 — | 10 — | 1520-3 | M1520-3 | 5,15,30,60 | 18 | |
| | 50/60 60 | 0-480 0-560 | 10 10 | 8.30 9.70 | 13 — | 10.81 — | 2520-3 | M2520-3 | 5,15,30,60 | 20 | |
| | 50/60 60 | 0-480 0-560 | 28 28 | 23.30 27.20 | — — | — — | 5021-3Y | M5021-3Y | 5,15,30,60 | 23 | |
| | 50/60 60 | 0-480 0-560 | 35 35 | 29.10 33.90 | — — | — — | 6020-3Y | M6020-3Y | 5,15,30,60 | 31 | |
| | 50/60 60 | 0-480 0-560 | 56 56 | 46.60 54.30 | — — | — — | 5021-6Y | M5021-6Y | 15, 30, 60 | 24 | |
| | 50/60 60 | 0-480 0-560 | 70 70 | 58.10 67.80 | — — | — — | 6020-6Y | M6020-6Y | 15, 30, 60 | 32 | |
| | 50/60 60 | 0-480 0-560 | 84 84 | 69.80 81.50 | — — | — — | 5021-9Y | M5021-9Y | 30, 60 | 24 | |
| | 50/60 60 | 0-480 0-560 | 105 105 | 87.20 101.70 | — — | — — | 6020-9Y | M6020-9Y | 30, 60 | 32 | |
| | 50/60 60 | 0-480 0-560 | 112 112 | 93.10 108.60 | — — | — — | — | M5021-12Y | 30, 60 | 25 | |
| | 50/60 60 | 0-480 0-560 | 140 140 | 116.30 135.60 | — — | — — | — | M6020-12Y | 30, 60 | 34 | |
| | 50/60 60 | 0-480 0-560 | 168 168 | 139.50 163.30 | — — | — — | — | M5021-18Y | 60 | 26 | |
| | 50/60 60 | 0-480 0-560 | 175 175 | 145.30 169.50 | — — | — — | — | M6020-15Y | 60 | 34 | |
| | 50/60 60 | 0-480 0-560 | 196 196 | 163.0 189.5 | — — | — — | — | M5021-21Y | 60 | 26 | |
| | 50/60 60 | 0-480 0-560 | 210 210 | 174.60 203.40 | — — | — — | — | M6020-18Y | 60 | 34 | |
| | 50/60 60 | 0-480 0-560 | 224 224 | 186.50 217.80 | — — | — — | — | M5021-24Y | 60 | 26 | |
| | 50/60 60 | 0-480 0-560 | 245 245 | 203.40 237.40 | — — | — — | — | M6020-21Y | 60 | 34 | |
| | 50/60 60 | 0-480 0-560 | 252 252 | 209.50 244.00 | — — | — — | — | M5021-27Y | 60 | 26 | |
| 50/60 60 | 0-480 0-560 | 280 280 | 232.50 271.30 | — — | — — | — | M6020-24Y | 60 | 34 | | |
| 50/60 60 | 0-480 0-560 | 315 315 | 261.60 305.20 | — — | — — | — | M6020-27Y | 60 | 34 | | |

Models with 575V input and 0-575V output are available with Series 6020 variable transformers with a Y, S, or PS suffix.

† Constant Current Load — the normal rated output amperes may be drawn at any position of the brush except in voltage doubler connections.

‡ Constant Impedance Load— an increased current may be drawn at the maximum voltage output (limited to line voltage) provided the current reduces proportionally as output voltage is lowered.

▲ Voltage Doubler (half rates voltage input). Normal rated amperes may be drawn from 0 to 125% of the input voltage. At outputs above this, the load current must be reduced according to the derating guide.

■ Cord and plug models wired this way at the factory

● One 52LAC paralleling choke is required

●● Three 52LAC paralleling chokes are required.

* Speeds are approximately 20% slower at 50Hz.



Your tailored power solutions provider

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E-mail: sales@stacoenergy.com

www.stacoenergy.com

