



TRANSFORMER LOAD CURRENT

The following charts may be used to select the transformer size required.

| Transformer Full Load Current in Amps Single Phase | | | | |
|---|--------------------|------|------|------|
| KVA | Rated Line Voltage | | | |
| | 120 | 240 | 480 | 600 |
| 1 | 8.3 | 4.2 | 2.1 | 1.6 |
| 2 | 16.7 | 8.4 | 4.2 | 3.2 |
| 3 | 25 | 12.5 | 6.3 | 5 |
| 5 | 41.7 | 20.8 | 10.4 | 8.3 |
| 7.5 | 62.5 | 31.2 | 15.6 | 12.5 |
| 10 | 83.4 | 41.6 | 20.8 | 16.7 |
| 15 | 125 | 62.5 | 31.2 | 25 |
| 25 | 208 | 104 | 52.1 | 41.6 |
| 37.5 | 312 | 156 | 78.2 | 62.5 |
| 50 | 416 | 208 | 104 | 83.3 |
| 75 | 625 | 312 | 156 | 125 |
| 100 | 833 | 416 | 208 | 167 |
| 150 | 1250 | 625 | 312 | 250 |
| 167 | 1391 | 696 | 348 | 278 |
| 250 | 2083 | 1041 | 521 | 417 |
| 333 | 2775 | 1387 | 694 | 555 |
| 500 | 4166 | 2083 | 1042 | 833 |

| Transformer Load Current Per Line in Amps Three Phase | | | | |
|--|--------------------|------|------|------|
| KVA | Rated Line Voltage | | | |
| | 208* | 240 | 480 | 600 |
| 6 | 16.6 | 14.4 | 7.2 | 5.8 |
| 9 | 25 | 21.6 | 10.8 | 8.7 |
| 10 | 28 | 24 | 12 | 9.6 |
| 15 | 41.6 | 36.1 | 18.1 | 14.4 |
| 30 | 83.3 | 72.3 | 36.1 | 28.9 |
| 45 | 125 | 108 | 54 | 43.2 |
| 75 | 208 | 181 | 90.5 | 72.1 |
| 112.5 | 312 | 272 | 136 | 108 |
| 150 | 416 | 360 | 180 | 144 |
| 225 | 624 | 541 | 270 | 216 |
| 300 | 832 | 722 | 361 | 288 |
| 450 | 1250 | 1080 | 542 | 433 |
| 500 | 1388 | 1203 | 601 | 481 |
| 600 | 1666 | 1445 | 722 | 578 |

NOTE: *Use 208V column to determine current available at 120V from neutral to each line in 120/208V 4 wire system. This information courtesy of Marcus Transformers.

Information is provided as a guideline only. Check your local code.