

Selection Tables: Three Phase



Group A – 208 Δ Primary, 480Y/277 Secondary, 60 Hz

| KVA | Catalog Number | NEMA 3R Weather Shield* | Height (inch) | Width (inch) | Depth (inch) | Ship Weight Approx. (lbs) | Design Style | Elec Conn | Primary Amps | Secondary Amps |
|-------|----------------|-------------------------|---------------|--------------|--------------|---------------------------|--------------|-----------|--------------|----------------|
| 9 | HT84F9AS | N/A | 17 | 20 | 11 | 160 | 4 | 15 | 25 | 10.8 |
| 15 | T84H15S | WS-02 | 23 | 18 | 14 | 173 | 1 | 16 | 41.7 | 18.1 |
| 30 | T84H30S | WS-14 | 28 | 23 | 16 | 243 | 1 | 16 | 83.4 | 36.1 |
| 45 | T84H45S | WS-14 | 28 | 23 | 16 | 333 | 1 | 16 | 125 | 54.2 |
| 75 | T84H75S | WS-30 | 34 | 28 | 22 | 495 | 1 | 16 | 208 | 90.3 |
| 112.5 | T84H112S | WS-30 | 34 | 28 | 22 | 659 | 1 | 16 | 313 | 135 |
| 150 | T84H150S | WS-10 | 44 | 33 | 21 | 972 | 1 | 16 | 417 | 181 |

* Weather shields (set of two) must be ordered separately.

Group B – 240 Δ Primary, 208Y/120 Secondary, 60 Hz

| KVA | Catalog Number | NEMA 3R Weather Shield* | Height (inch) | Width (inch) | Depth (inch) | Ship Weight Approx. (lbs) | Design Style | Elec Conn | Primary Amps | Secondary Amps |
|-------|----------------|-------------------------|---------------|--------------|--------------|---------------------------|--------------|-----------|--------------|----------------|
| 9 | HT6F9AS | N/A | 17 | 20 | 11 | 160 | 4 | 18 | 21.7 | 25 |
| 15 | T6H15S | WS-02 | 23 | 18 | 14 | 173 | 1 | 19 | 36.1 | 41.7 |
| 30 | T6H30S | WS-14 | 28 | 23 | 16 | 243 | 1 | 19 | 72.3 | 83.4 |
| 45 | T6H45S | WS-14 | 28 | 23 | 16 | 333 | 1 | 19 | 108 | 125 |
| 75 | T6H75S | WS-30 | 34 | 28 | 22 | 495 | 1 | 19 | 181 | 208 |
| 112.5 | T6H112S | WS-30 | 34 | 28 | 22 | 659 | 1 | 19 | 271 | 313 |
| 150 | T6H150S | WS-10 | 44 | 33 | 21 | 972 | 1 | 19 | 361 | 417 |

* Weather shields (set of two) must be ordered separately.

Group C – 480 Volt Δ Primary, 208Y/120 Secondary, 60 Hz Encapsulated
(May be used with a 480Y/277 VAC Supply)

| KVA | Catalog Number | Copper-Wound Catalog Number | NEMA 3R Weather Shield* | Height (inch) | Width (inch) | Depth (inch) | Ship Weight Approx. (lbs) AL | Design Style | Elec Conn | Primary Amps | Secondary Amps |
|---|----------------|-----------------------------|-------------------------|---------------|--------------|--------------|------------------------------|--------------|-----------|--------------|----------------|
| Encapsulated (See the Hazardous Location section for higher KVA units) | | | | | | | | | | | |
| 3 | HT1F3AS | N/A | N/A | 13 | 16 | 9 | 105 | 4 | 20 | 3.6 | 8.3 |
| 6 | HT1F6AS | | | 13 | 16 | 9 | 144 | 4 | 20 | 7.2 | 16.6 |
| 9 | HT1F9AS | | | 17 | 20 | 11 | 235 | 4 | 20 | 10.8 | 25.0 |
| Ventilated | | | | | | | | | | | |
| 15 | T2H15S | T2H15SCU | WS-02 | 23 | 18 | 14 | 173 | 1 | 21 | 18.1 | 41.7 |
| 30 | T2H30S | T2H30SCU | WS-14 | 28 | 23 | 16 | 243 | 1 | 21 | 36.1 | 83.4 |
| 45 | T2H45S | T2H45SCU | WS-14 | 28 | 23 | 16 | 333 | 1 | 21 | 54.2 | 125.0 |
| 75 | T2H75S | T2H75SCU | WS-30 | 34 | 28 | 22 | 495 | 1 | 21 | 90.3 | 208.0 |
| 112.5 | T2H112S | T2H112SCU | WS-30 | 34 | 28 | 22 | 659 | 1 | 21 | 135 | 313.0 |
| 150 | T2H150S | T2H150SCU | WS-10 | 44 | 33 | 21 | 972 | 1 | 21 | 181 | 417.0 |
| 225 | T2H225S | T2H225SCU | WS-11 | 46 | 36 | 24 | 1240 | 1 | 21 | 271 | 625.0 |
| 300 | T2H300S | T2H300SCU | WS-11 | 46 | 36 | 24 | 1440 | 1 | 21 | 361 | 834.0 |
| 500 | T2H500S | T2H500SCU | WS-12 | 65 | 45 | 35 | 2340 | 1 | 21 | 602 | 1390.0 |

* Weather shields (set of two) must be ordered separately.

Selection Tables: Three Phase



Group D – 480 Volt Δ Primary, 240 Volt Δ , 120 Secondary with Reduced Capacity Center Tap*, 60 Hz

| KVA | Catalog Number | Copper-Wound Catalog Number | NEMA 3R Weather Shield** | Height (inch) | Width (inch) | Depth (inch) | Ship Weight Approx. (lbs) AL/CU | Design Style | Elec Conn | Primary Amps | Secondary Amps |
|--|----------------|-----------------------------|--------------------------|---------------|--------------|--------------|---------------------------------|--------------|-----------|--------------|----------------|
| Encapsulated (See the Hazardous Location section for higher KVA units.) | | | | | | | | | | | |
| 3 | HT5F3AS | N/A | N/A | 13 | 16 | 9 | 105 | 4 | 22 | 3.6 | 7.2 |
| 6 | HT5F6AS | | | 13 | 16 | 9 | 110 | 4 | 22 | 7.2 | 14.4 |
| 9 | HT5F9AS | | | 17 | 20 | 11 | 250 | 4 | 22 | 10.8 | 21.7 |
| Ventilated | | | | | | | | | | | |
| 15 | T5H15S | T5H15SCU | WS-02 | 23 | 18 | 14 | 173/198 | 1 | 23 | 18.1 | 36.1 |
| 30 | T5H30S | T5H30SCU | WS-14 | 28 | 23 | 16 | 243/297 | 1 | 23 | 36.1 | 72.3 |
| 45 | T5H45S | T5H45SCU | WS-14 | 28 | 23 | 16 | 333/399 | 1 | 23 | 54.2 | 108 |
| 75 | T5H75S | T5H75SCU | WS-30 | 34 | 28 | 22 | 495/613 | 1 | 23 | 90.3 | 181 |
| 112.5 | T5H112S | T5H112SCU | WS-30 | 34 | 28 | 22 | 659/789 | 1 | 23 | 135 | 271 |
| 150 | T5H150S | T5H150SCU | WS-10 | 44 | 33 | 21 | 972/1115 | 1 | 23 | 181 | 361 |
| 225 | T5H225S | T5H225SCU | WS-11 | 46 | 36 | 24 | 1240/1441 | 1 | 23 | 271 | 542 |
| 300 | T5H300S | T5H300SCU | WS-11 | 46 | 36 | 24 | 1440/1655 | 1 | 23 | 361 | 723 |
| 500 | T5H500S | T5H500SCU | WS-12 | 65 | 45 | 35 | 2340/3120 | 1 | 23 | 602 | 1204 |

* See the Technical Notes section with respect to capacity of center tap.
 ** Weather shield (set of two) must be ordered separately.

Group E – 208 Volt Δ Primary, 208Y/120 Secondary, 60 Hz

| KVA | Catalog Number | NEMA 3R Weather Shield* | Height (inch) | Width (inch) | Depth (inch) | Ship Weight Approx. (lbs) | Design Style | Elec Conn | Primary Amps | Secondary Amps |
|-------|----------------|-------------------------|---------------|--------------|--------------|---------------------------|--------------|-----------|--------------|----------------|
| 15 | T3H15S | WS-02 | 23 | 18 | 14 | 173 | 1 | 17 | 41.7 | 41.7 |
| 30 | T3H30S | WS-14 | 28 | 23 | 16 | 243 | 1 | 17 | 83.4 | 83.4 |
| 45 | T3H45S | WS-14 | 28 | 23 | 16 | 333 | 1 | 17 | 125 | 125.0 |
| 75 | T3H75S | WS-30 | 34 | 28 | 22 | 495 | 1 | 17 | 208 | 208.0 |
| 112.5 | T3H112S | WS-30 | 34 | 28 | 22 | 659 | 1 | 17 | 313 | 313.0 |

* Weather shield (set of two) must be ordered separately.

Group F – 480 Δ Primary, 380Y/220 Secondary, 60 Hz

| KVA | Catalog Number | NEMA 3R Weather Shield* | Height (inch) | Width (inch) | Depth (inch) | Ship Weight Approx. (lbs) | Design Style | Elec Conn | Primary Amps | Secondary Amps |
|-----|----------------|-------------------------|---------------|--------------|--------------|---------------------------|--------------|-----------|--------------|----------------|
| 9 | HT79F9AS | N/A | 17 | 20 | 11 | 160 | 4 | 27 | 10.8 | 13.6 |
| 15 | T79H15S | WS-02 | 23 | 18 | 14 | 173 | 1 | 28 | 18.1 | 22.8 |
| 30 | T79H30S | WS-14 | 28 | 23 | 16 | 243 | 1 | 28 | 36.1 | 45.6 |
| 45 | T79H45S | WS-14 | 28 | 23 | 16 | 333 | 1 | 28 | 54.2 | 68.4 |
| 75 | T79H75S | WS-30 | 34 | 28 | 22 | 495 | 1 | 28 | 90.3 | 114.0 |

* Weather shield (set of two) must be ordered separately.

Selection Tables: Three Phase



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Group G – 480 Volt Δ Primary, 480Y/277 Secondary, 60 Hz

| KVA | Catalog Number | NEMA 3R Weather Shield* | Height (inch) | Width (inch) | Depth (inch) | Ship Weight Approx. (lbs) | Design Style | Elec Conn | Primary Amps | Secondary Amps |
|-------|----------------|-------------------------|---------------|--------------|--------------|---------------------------|--------------|-----------|--------------|----------------|
| 15 | T81H15S | WS-02 | 23 | 18 | 14 | 173 | 1 | 24 | 18.1 | 18.1 |
| 30 | T81H30S | WS-14 | 28 | 23 | 16 | 243 | 1 | 24 | 36.1 | 36.1 |
| 45 | T81H45S | WS-14 | 28 | 23 | 16 | 333 | 1 | 24 | 54.2 | 54.2 |
| 75 | T81H75S | WS-30 | 34 | 28 | 22 | 495 | 1 | 24 | 90.3 | 90.3 |
| 112.5 | T81H112S | WS-30 | 34 | 28 | 22 | 659 | 1 | 24 | 135 | 135 |
| 150 | T81H150S | WS-10 | 44 | 33 | 21 | 972 | 1 | 24 | 181 | 181 |
| 225 | T81H225S | WS-11 | 46 | 36 | 24 | 1240 | 1 | 24 | 271 | 271 |
| 300 | T81H300S | WS-11 | 46 | 36 | 24 | 1440 | 1 | 24 | 361 | 361 |
| 500 | T81H500S | WS-12 | 65 | 45 | 35 | 2340 | 1 | 24 | 602 | 602 |

* Weather shield (set of two) must be ordered separately.

Group H – 600 Volt Δ Primary, 208Y/120 Secondary, 60 Hz

| KVA | Catalog Number | NEMA 3R Weather Shield* | Height (inch) | Width (inch) | Depth (inch) | Ship Weight Approx. (lbs) | Design Style | Elec Conn | Primary Amps | Secondary Amps |
|---------------------|----------------|-------------------------|---------------|--------------|--------------|---------------------------|--------------|-----------|--------------|----------------|
| Encapsulated | | | | | | | | | | |
| 3 | HT7F3AS | N/A | 13 | 16 | 9 | 105 | 4 | 25 | 2.9 | 8.34 |
| 6 | HT7F6AS | | 13 | 16 | 9 | 110 | 4 | 25 | 5.8 | 16.6 |
| 9 | HT7F9AS | | 17 | 20 | 11 | 160 | 4 | 25 | 8.7 | 25 |
| Ventilated | | | | | | | | | | |
| 15 | T7H15S | WS-02 | 23 | 18 | 14 | 173 | 1 | 26 | 14.5 | 41.7 |
| 30 | T7H30S | WS-14 | 28 | 23 | 16 | 243 | 1 | 26 | 28.9 | 83.4 |
| 45 | T7H45S | WS-14 | 28 | 23 | 16 | 333 | 1 | 26 | 43.4 | 125 |
| 75 | T7H75S | WS-30 | 34 | 28 | 22 | 495 | 1 | 26 | 72.3 | 208 |
| 112.5 | T7H112S | WS-30 | 34 | 28 | 22 | 659 | 1 | 26 | 108 | 313 |
| 150 | T7H150S | WS-10 | 44 | 33 | 21 | 972 | 1 | 26 | 145 | 417 |
| 225 | T7H225S | WS-11 | 46 | 36 | 24 | 1240 | 1 | 26 | 217 | 625 |
| 300 | T7H300S | WS-11 | 46 | 36 | 24 | 1440 | 1 | 26 | 289 | 834 |
| 500 | T7H500S | WS-12 | 65 | 45 | 35 | 2340 | 1 | 26 | 482 | 1390 |

* Weather shield (set of two) must be ordered separately.

Group I – 600 Δ Primary, 380Y/220 or 480Y/277 Secondary, 60 Hz

| KVA | Catalog Number | NEMA 3R Weather Shield* | Height (inch) | Width (inch) | Depth (inch) | Ship Weight Approx. (lbs) | Design Style | Elec Conn | Primary Amps | Secondary Amps |
|-----|----------------|-------------------------|---------------|--------------|--------------|---------------------------|--------------|-----------|--------------|----------------|
| 15 | T77H15S | WS-02 | 23 | 18 | 14 | 173 | 1 | 29 | 14.5 | 22.8 |
| 30 | T77H30S | WS-14 | 28 | 23 | 16 | 243 | 1 | 29 | 28.9 | 45.6 |
| 45 | T77H45S | WS-14 | 28 | 23 | 16 | 333 | 1 | 29 | 43.4 | 68.4 |
| 75 | T77H75S | WS-30 | 34 | 28 | 22 | 495 | 1 | 29 | 72.3 | 114.0 |

* Weather shield (set of two) must be ordered separately.