

General Purpose

Energy efficient dry-type transformers 600 Volt Class, isolation type, single and three phase, 15 kVA through 500 kVA. Indoor and outdoor models available.

Accessories and Optional Design Styles

- Electrostatic shield for quality power
- Wall mounting brackets (500 lbs maximum) (Item WB1C)
- Weather Shields (UL Listed/NEMA Type 3R)
- Stainless Steel Enclosures
- Totally enclosed non-ventilated designs (TENV) (Non UL) *
- Open core and coil designs (UL Recognized)
- Copper Wound designs
- Low temperature designs

Features

- UL Listed/NEMA Type 3R ventilated outdoor enclosures when used with optional weather shields (order separately)
- UL Class 220°C insulation system, 150°C temperature rise under full load
- Terminal board connections and spacious wiring compartment
- Panel enclosure design reduces labor time. Wiring diagram on inside front cover.



- High efficiency for low cost operation
- Compliant to NEMA TP-1 Standards
- Single and three phase availability
- Fast delivery
- 10 year limited warranty

Certifications and Compliances

- Listed
- UL 1561

Selection Tables: Single Phase

Group 1: 240 x 480 Volt Primary, 120/240 Secondary, 60 Hz

| kVA | Catalog Number | Type 3R Weather Shield ¹ | Height in (mm) | Width in (mm) | Depth in (mm) | Approx. Ship Weight lbs (kg) | Design Style ² | Elec Conn ² | Primary Amps | Secondary Amps |
|------|----------------|-------------------------------------|----------------|---------------|---------------|------------------------------|---------------------------|------------------------|--------------|----------------|
| 15 | ES5H15S | WS-15 | 28.00 (711.2) | 16.00 (406.4) | 16.00 (406.4) | 210.0 (95.25) | 1 | 1 | 62.5/31.3 | 125/62.5 |
| 25 | ES5H25S | WS-15 | 28.00 (711.2) | 16.00 (406.4) | 16.00 (406.4) | 245.0 (111.13) | 1 | 1 | 104/52.1 | 208/104 |
| 37.5 | ES5H37S | WS-17 | 31.00 (787.4) | 18.00 (457.2) | 18.00 (457.2) | 340.0 (154.22) | 1 | 1 | 156/78 | 313/156 |
| 50 | ES5H50S | WS-17 | 31.00 (787.4) | 18.00 (457.2) | 18.00 (457.2) | 415.0 (188.24) | 1 | 1 | 208/104 | 416/208 |
| 75 | ES5H75S | WS-09 | 44.00 (1117.6) | 23.00 (584.2) | 21.00 (533.4) | 610.0 (276.69) | 1 | 1 | 313/156 | 625/313 |
| 100 | ES5H100S | WS-09 | 44.00 (1117.6) | 23.00 (584.2) | 21.00 (533.4) | 705.0 (319.78) | 1 | 1 | 417/208 | 833/417 |
| 167 | ES5H167S | WS-16 | 46.00 (1168.4) | 26.00 (660.4) | 24.00 (609.6) | 980.0 (444.52) | 1 | 1 | 695/348 | 1392/695 |

Group 2 – 120/208/240/277 Volt Primary, 120/240 Secondary, 60 Hz

| kVA | Catalog Number | Type 3R Weather Shield ¹ | Height in (mm) | Width in (mm) | Depth in (mm) | Approx. Ship Weight lbs (kg) | Design Style ² | Elec Conn ² | Primary Amps @ 277 V | Secondary Amps |
|-----|----------------|-------------------------------------|----------------|---------------|---------------|------------------------------|---------------------------|------------------------|----------------------|----------------|
| 15 | ES12H15S | WS-15 | 28.00 (711.2) | 16.00 (406.4) | 16.00 (406.4) | 215.0 (97.52) | 1 | 2 | 54.2 | 125/62.5 |
| 25 | ES12H25S | WS-15 | 28.00 (711.2) | 16.00 (406.4) | 16.00 (406.4) | 250.0 (113.40) | 1 | 2 | 90.3 | 208/104 |

Notes:

1. Weather shields (set of two) must be ordered separately.
2. Design Styles and Electrical Connections can be found at the end of the Ventilated Distribution Transformers section.

* Not all optional designs are listed. Contact Technical Services.

Selection Tables: Three Phase

Group A: 480 Volt Δ Primary, 208/120 Secondary, 60 Hz

| kVA | Catalog Number | Type 3R Weather Shield ¹ | Height in (mm) | Width in (mm) | Depth in (mm) | Approx. Ship Weight lbs (kg) | Design Style ² | Elec Conn ² | Primary Amps | Secondary Amps |
|-------|---------------------|-------------------------------------|----------------|----------------|---------------|------------------------------|---------------------------|------------------------|--------------|----------------|
| 15 | ET2H15 ³ | WS-02 | 23.00(584.2) | 18.00 (457.2) | 14.00 (355.6) | 187.0 (84.82) | 1 | 5 | 18.1 | 41.7 |
| | ET2H15S | | | | | | | | | |
| 30 | ET2H30 ³ | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 292.0 (132.45) | 1 | 5 | 36.1 | 83.4 |
| | ET2H30S | | | | | | | | | |
| 45 | ET2H45 ³ | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 376.0 (170.55) | 1 | 5 | 54.2 | 125.0 |
| | ET2H45S | | | | | | | | | |
| 75 | ET2H75 ³ | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 569.0 (258.09) | 1 | 5 | 90.3 | 208.0 |
| | ET2H75S | | | | | | | | | |
| 112.5 | ET2H112S | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 768.0 (348.36) | 1 | 5 | 135.0 | 313.0 |
| 150 | ET2H150S | WS-10 | 44.00 (1117.6) | 33.00 (838.2) | 21.00 (533.4) | 933.0 (423.20) | 1 | 5 | 181.0 | 417.0 |
| 225 | ET2H225S | WS-11 | 46.00 (1168.4) | 36.00 (914.4) | 24.00 (609.6) | 1342.0 (608.72) | 1 | 5 | 271.0 | 625.0 |
| 300 | ET2H300S | WS-11 | 46.00 (1168.4) | 36.00 (914.4) | 24.00 (609.6) | 1525.0 (691.73) | 1 | 5 | 361.0 | 834.0 |
| 500 | ET2H500S | WS-12 | 65.00 (1651.0) | 45.00 (1143.0) | 35.00 (889.0) | 2460.0 (1115.84) | 1 | 5 | 602.0 | 1390.0 |

Group B: 480 Volt Δ Primary, 240 Volt Δ , Secondary with reduced capacity center tap ⁴, 60 Hz

| kVA | Catalog Number | Type 3R Weather Shield ¹ | Height in (mm) | Width in (mm) | Depth in (mm) | Approx. Ship Weight lbs (kg) | Design Style ² | Elec Conn ² | Primary Amps | Secondary Amps |
|-------|---------------------|-------------------------------------|----------------|----------------|---------------|------------------------------|---------------------------|------------------------|--------------|----------------|
| 15 | ET5H15 ³ | WS-02 | 23.00 (584.2) | 19.00 (482.6) | 14.00 (355.6) | 189.0 (85.73) | 1 | 6 | 18.1 | 36.1 |
| | ET5H15S | | | | | | | | | |
| 30 | ET5H30 ³ | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 292.0 (132.45) | 1 | 6 | 36.1 | 72.3 |
| | ET5H30S | | | | | | | | | |
| 45 | ET5H45 ³ | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 381.0 (172.82) | 1 | 6 | 54.2 | 108.0 |
| | ET5H45S | | | | | | | | | |
| 75 | ET5H75 ³ | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 560.0 (254.01) | 1 | 6 | 90.3 | 181.0 |
| | ET5H75S | | | | | | | | | |
| 112.5 | ET5H112S | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 760.0 (344.73) | 1 | 6 | 135.0 | 271.0 |
| 150 | ET5H150S | WS-10 | 44.00 (1117.6) | 33.00 (838.2) | 21.00 (533.4) | 940.0 (426.38) | 1 | 6 | 181.0 | 361.0 |
| 225 | ET5H225S | WS-11 | 46.00 (1168.4) | 36.00 (914.4) | 24.00 (609.6) | 1342.0 (608.72) | 1 | 6 | 271.0 | 542.0 |
| 300 | ET5H300S | WS-11 | 46.00 (1168.4) | 36.00 (914.4) | 24.00 (609.6) | 1525.0 (691.73) | 1 | 6 | 361.0 | 723.0 |
| 500 | ET5H500S | WS-12 | 65.00 (1651.0) | 45.00 (1143.0) | 35.00 (889.0) | 2460.0 (1115.84) | 1 | 6 | 602.0 | 1204.0 |

Notes:

1. Weather shields (set of two) must be ordered separately.
2. Design Styles and Electrical Connections can be found at the end of the Ventilated Distribution Transformers section.
3. Unshielded model.
4. Refer to *Capacity of Center Tap in Center Tap Delta Transformers* at the beginning of this section.

Selection Tables: Three Phase

Group C: 480 Volt Δ Primary, 480Y/277 Secondary, 60 Hz

| KVA | Catalog Number | Type 3R Weather Shield ¹ | Height in (mm) | Width in (mm) | Depth in (mm) | Approx. Ship Weight lbs (kg) | Design Style ² | Elec Conn ² | Primary Amps | Secondary Amps |
|-------|----------------|-------------------------------------|----------------|----------------|---------------|------------------------------|---------------------------|------------------------|--------------|----------------|
| 15 | ET81H15S | WS-02 | 23.00 (584.2) | 18.00 (457.2) | 14.00 (355.6) | 189.0 (85.73) | 1 | 8 | 18.1 | 18.1 |
| 30 | ET81H30S | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 295.0 (133.81) | 1 | 8 | 36.1 | 36.1 |
| 45 | ET81H45S | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 380.0 (172.37) | 1 | 8 | 54.2 | 54.2 |
| 75 | ET81H75S | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 560.0 (254.01) | 1 | 8 | 90.3 | 90.3 |
| 112.5 | ET81H112S | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 780.0 (353.80) | 1 | 8 | 135.0 | 135.0 |
| 150 | ET81H150S | WS-10 | 44.00 (1117.6) | 33.00 (838.2) | 21.00 (533.4) | 933.0 (423.20) | 1 | 8 | 181.0 | 181.0 |
| 225 | ET81H225S | WS-11 | 46.00 (1168.4) | 36.00 (914.4) | 24.00 (609.6) | 1342.0 (608.72) | 1 | 8 | 271.0 | 271.0 |
| 300 | ET81H300S | WS-11 | 46.00 (1168.4) | 36.00 (914.4) | 24.00 (609.6) | 1525.0 (691.73) | 1 | 8 | 361.0 | 361.0 |
| 500 | ET81H500S | WS-12 | 65.00 (1651.0) | 45.00 (1143.0) | 35.00 (889.0) | 2460.0 (1115.84) | 1 | 8 | 602.0 | 602.0 |

Group D: 208 Volt Δ Primary, 480Y/277 Secondary, 60 Hz

| KVA | Catalog Number | Type 3R Weather Shield ¹ | Height in (mm) | Width in (mm) | Depth in (mm) | Approx. Ship Weight lbs (kg) | Design Style ² | Elec Conn ² | Primary Amps | Secondary Amps |
|-------|----------------|-------------------------------------|----------------|---------------|---------------|------------------------------|---------------------------|------------------------|--------------|----------------|
| 15 | ET84H15S | WS-02 | 23.00 (584.2) | 18.00 (457.2) | 14.00 (355.6) | 195.0 (88.45) | 1 | 10 | 41.7 | 18.1 |
| 30 | ET84H30S | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 295.0 (133.81) | 1 | 10 | 83.4 | 36.1 |
| 45 | ET84H45S | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 375.0 (170.09) | 1 | 10 | 125.0 | 54.2 |
| 75 | ET84H75S | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 570.0 (258.55) | 1 | 10 | 208.0 | 90.3 |
| 112.5 | ET84H112S | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 780.0 (353.80) | 1 | 10 | 313.0 | 135.0 |
| 150 | ET84H150S | WS-10 | 44.00 (1117.6) | 33.00 (838.2) | 21.00 (533.4) | 972.0 (440.89) | 1 | 10 | 417.0 | 181.0 |

Notes:

1. Weather shields (set of two) must be ordered separately.
2. Design Styles and Electrical Connections can be found at the end of the Ventilated Distribution Transformers section.

Selection Tables: Three Phase

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

| kVA | Catalog Number | Type 3R Weather Shield ¹ | Height in (mm) | Width in (mm) | Depth in (mm) | Approx. Ship Weight lbs (kg) | Design Style ² | Elec Conn ² | Primary Amps | Secondary Amps |
|-------|----------------|-------------------------------------|----------------|---------------|---------------|------------------------------|---------------------------|------------------------|--------------|----------------|
| 15 | ET3H15S | WS-02 | 23.00 (584.2) | 18.00 (457.2) | 14.00 (355.6) | 190.0 (86.18) | 1 | 9 | 41.7 | 41.7 |
| 30 | ET3H30S | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 295.0 (133.81) | 1 | 9 | 83.4 | 83.4 |
| 45 | ET3H45S | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 380.0 (172.37) | 1 | 9 | 125.0 | 125.0 |
| 75 | ET3H75S | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 570.0 (258.55) | 1 | 9 | 208.0 | 208.0 |
| 112.5 | ET3H112S | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 805.0 (365.14) | 1 | 9 | 313.0 | 313.0 |
| 150 | ET3H150S | WS-10 | 44.00 (1117.6) | 33.00 (838.2) | 21.00 (533.4) | 972.0 (440.89) | 1 | 9 | 416.0 | 416.0 |

Group F: 240 Volt Δ Primary, 208Y/120 Secondary, 60 Hz

| kVA | Catalog Number | Type 3R Weather Shield ¹ | Height in (mm) | Width in (mm) | Depth in (mm) | Approx. Ship Weight lbs (kg) | Design Style ² | Elec Conn ² | Primary Amps | Secondary Amps |
|-------|----------------|-------------------------------------|----------------|---------------|---------------|------------------------------|---------------------------|------------------------|--------------|----------------|
| 15 | ET6H15S | WS-02 | 23.00 (584.2) | 18.00 (457.2) | 14.00 (355.6) | 190.0 (86.18) | 1 | 11 | 36.1 | 41.7 |
| 30 | ET6H30S | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 295.0 (133.81) | 1 | 11 | 72.3 | 83.4 |
| 45 | ET6H45S | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 380.0 (172.37) | 1 | 11 | 108.0 | 125.0 |
| 75 | ET6H75S | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 570.0 (258.55) | 1 | 11 | 181.0 | 208.0 |
| 112.5 | ET6H112S | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 805.0 (365.14) | 1 | 11 | 271.0 | 313.0 |
| 150 | ET6H150S | WS-10 | 44.00 (1117.6) | 33.00 (838.2) | 21.00 (533.4) | 972.0 (440.89) | 1 | 11 | 361.0 | 417.0 |

Group G: 240 Volt Δ Primary, 480Y/277 Secondary, 60 Hz

| kVA | Catalog Number | Type 3R Weather Shield ¹ | Height in (mm) | Width in (mm) | Depth in (mm) | Approx. Ship Weight lbs (kg) | Design Style ² | Elec Conn ² | Primary Amps | Secondary Amps |
|-------|----------------|-------------------------------------|----------------|---------------|---------------|------------------------------|---------------------------|------------------------|--------------|----------------|
| 15 | ET85H15S | WS-02 | 23.00 (584.2) | 18.00 (457.2) | 14.00 (355.6) | 190.0 (86.18) | 1 | 12 | 36.1 | 18.1 |
| 30 | ET85H30S | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 295.0 (133.81) | 1 | 12 | 72.3 | 36.1 |
| 45 | ET85H45S | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 380.0 (172.37) | 1 | 12 | 108.0 | 54.2 |
| 75 | ET85H75S | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 560.0 (254.01) | 1 | 12 | 181.0 | 90.3 |
| 112.5 | ET85H112S | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 805.0 (365.14) | 1 | 12 | 271.0 | 135.0 |
| 150 | ET85H150S | WS-10 | 44.00 (1117.6) | 33.00 (838.2) | 21.00 (533.4) | 972.0 (440.89) | 1 | 12 | 361.0 | 181.0 |

Notes:

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

2. Design Styles and Electrical Connections can be found at the end of the Ventilated Distribution Transformers section.

Selection Tables: Three Phase

Group J: 480 Volt Δ Primary, 380Y/220 Secondary, 60 Hz

| kVA | Catalog Number | Type 3R Weather Shield ¹ | Height in (mm) | Width in (mm) | Depth in (mm) | Approx. Ship Weight lbs (kg) | Design Style ² | Elec Conn ² | Primary Amps | Secondary Amps |
|-------|----------------|-------------------------------------|----------------|---------------|---------------|------------------------------|---------------------------|------------------------|--------------|----------------|
| 15 | ET79H15S | WS-02 | 23.00 (584.2) | 18.00 (457.2) | 14.00 (355.6) | 190.0 (86.18) | 1 | 7 | 18.1 | 22.8 |
| 30 | ET79H30S | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 295.0 (133.81) | 1 | 7 | 36.1 | 45.6 |
| 45 | ET79H45S | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 380.0 (172.37) | 1 | 7 | 54.2 | 68.4 |
| 75 | ET79H75S | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 360.0 (163.29) | 1 | 7 | 90.3 | 114.0 |
| 112.5 | ET79H112S | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 770.0 (349.27) | 1 | 7 | 135.3 | 170.9 |
| 150 | ET79H150S | WS-10 | 44.00 (1117.6) | 33.00 (838.2) | 21.00 (533.4) | 933.0 (423.20) | 1 | 7 | 180.4 | 227.9 |

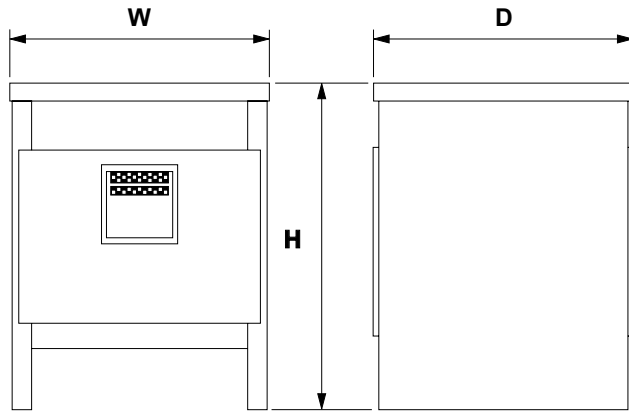
Group K: 480 Volt Δ Primary, 208Y/120 Secondary, 60 Hz, Copper-Wound

| kVA | Catalog Number | Type 3R Weather Shield ¹ | Height in (mm) | Width in (mm) | Depth in (mm) | Approx. Ship Weight lbs (kg) | Design Style ² | Elec Conn ² | Primary Amps | Secondary Amps |
|-------|----------------|-------------------------------------|----------------|----------------|---------------|------------------------------|---------------------------|------------------------|--------------|----------------|
| 15 | ET2H15SCU | WS-02 | 23.00 (584.2) | 18.00 (457.2) | 14.00 (355.6) | 205.0 (92.98) | 1 | 5 | 18.1 | 41.7 |
| 30 | ET2H30SCU | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 305.0 (138.35) | 1 | 5 | 36.1 | 83.4 |
| 45 | ET2H45SCU | WS-14 | 28.00 (711.2) | 23.00 (584.2) | 16.00 (406.4) | 405.0 (183.70) | 1 | 5 | 54.2 | 125.0 |
| 75 | ET2H75SCU | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 535.0 (242.67) | 1 | 5 | 90.3 | 208.0 |
| 112.5 | ET2H112SCU | WS-30 | 34.00 (863.6) | 28.00 (711.2) | 22.00 (558.8) | 805.0 (365.14) | 1 | 5 | 135.0 | 313.0 |
| 150 | ET2H150SCU | WS-10 | 44.00 (1117.6) | 33.00 (838.2) | 21.00 (533.4) | 972.0 (440.89) | 1 | 5 | 181.0 | 417.0 |
| 225 | ET2H225SCU | WS-11 | 46.00 (1168.4) | 36.00 (914.4) | 24.00 (609.6) | 1325.0 (601.01) | 1 | 5 | 271.0 | 625.0 |
| 300 | ET2H300SCU | WS-11 | 46.00 (1168.4) | 36.00 (914.4) | 24.00 (609.6) | 1515.0 (687.19) | 1 | 5 | 361.0 | 834.0 |
| 500 | ET2H500SCU | WS-12 | 65.00 (1651.0) | 45.00 (1143.0) | 35.00 (889.0) | 2460.0 (1115.84) | 1 | 5 | 602.0 | 1390.0 |

Notes:

1. Weather shields (set of two) must be ordered separately.
2. Design Styles and Electrical Connections can be found at the end of the Ventilated Distribution Transformers section.

Design Style



Style 1 - Ventilated

Electrical Connections (Single Phase)

240 x 480 Volt Primary,
120/240 Volt Secondary
Taps: 2, 2½% FCAN; 4, 2½% FCBN

| Primary Voltage | Interconnect | Connect Lines To |
|-----------------|-----------------|------------------|
| 504 | 1 to 2 | H1 & H2 |
| 492 | 2 to 3 | H1 & H2 |
| 480 | 3 to 4 | H1 & H2 |
| 468 | 4 to 5 | H1 & H2 |
| 456 | 5 to 6 | H1 & H2 |
| 444 | 6 to 7 | H1 & H2 |
| 432 | 7 to 8 | H1 & H2 |
| 252 | H1 to 2 H2 to 1 | H1 & H2 |
| 240 | H1 to 4 H2 to 3 | H1 & H2 |
| 228 | H1 to 6 H2 to 5 | H1 & H2 |
| 216 | H1 to 8 H2 to 7 | H1 & H2 |

| Secondary Voltage | Interconnect | Connect Lines To |
|-------------------|-------------------------------|------------------|
| 240 | X2 to X3 | X1 & X4 |
| 120-0-120 | X2 to X3 X2 to $\frac{\perp}$ | X1-X2-X4 |
| 120 | X1 to X3 X2 to X4 | X1 & X4 |

ES5 Series

120/208/240/277 Volt Primary,
120/240 Volt Secondary
Taps: None

| Primary Voltage | Interconnect | Connect Lines To |
|-----------------|-----------------|------------------|
| 277 | 1 to 2 | H1 & H2 |
| 240 | 3 to 4 | H1 & H2 |
| 208 | 5 to 6 | H1 & H2 |
| 120 | H1 to 4 H2 to 3 | H1 & H2 |

| Secondary Voltage | Interconnect | Connect Lines To |
|-------------------|-------------------------------|------------------|
| 240 | X2 to X3 | X1 & X4 |
| 120-0-120 | X2 to X3 X2 to $\frac{\perp}$ | X1-X2-X4 |
| 120 | X1 to X3 X2 to X4 | X1 & X4 |

ES12 Series

Electrical Connections (Three Phase)

480 Δ Volt Primary,
208Y/120 Volt Secondary
Taps: 2, 2½% FCAN; 4, 2½% FCBN

| Primary H1-H2-H3 | | Secondary Voltage | |
|------------------|---------|-------------------|----------------|
| @ Tap | Voltage | X1, X2, X3 | X0- X1, X2, X3 |
| 1 | 504 | 208 | 120 |
| 2 | 492 | | |
| 3 | 480 | | |
| 4 | 468 | | |
| 5 | 456 | | |
| 6 | 444 | | |
| 7 | 432 | | |

ET2 and 3H Series

** Shield available in electrostatically shielded units only.*

480 Δ Volt Primary,
240 Δ W/120 CT Volt Secondary
Taps: 2, 2½% FCAN; 4, 2½% FCBN

| Primary H1-H2-H3 | | Secondary Voltage | |
|------------------|---------|-------------------|--------------|
| @ Tap | Voltage | X1, X2, X3 | X6-X1, X6-X3 |
| 1 | 504 | 240 | 120 |
| 2 | 492 | | |
| 3 | 480 | | |
| 4 | 468 | | |
| 5 | 456 | | |
| 6 | 444 | | |
| 7 | 432 | | |

ET5 Series

** Shield available in electrostatically shielded units only.*

Electrical Connections (Three Phase) cont.

480 Δ Volt Primary
380/220 Volt Secondary
Taps: 2, 2½% FCAN; 4, 2½% FCBN **7**

| Primary H1-H2-H3 | | Secondary Voltage | |
|------------------|---------|-------------------|----------------|
| @ Tap | Voltage | X1, X2, X3 | X0- X1, X2, X3 |
| 1 | 504 | 380 | 220 |
| 2 | 492 | | |
| 3 | 480 | | |
| 4 | 468 | | |
| 5 | 456 | | |
| 6 | 444 | | |
| 7 | 432 | | |

ET79 Series

480 Δ Volt Primary
480Y/277 Volt Secondary
Taps: 2, 2½% FCAN; 4, 2½% FCBN **8**

| Primary H1-H2-H3 | | Secondary Voltage | |
|------------------|---------|-------------------|----------------|
| @ Tap | Voltage | X1, X2, X3 | X0- X1, X2, X3 |
| 1 | 504 | 480 | 277 |
| 2 | 492 | | |
| 3 | 480 | | |
| 4 | 468 | | |
| 5 | 456 | | |
| 6 | 444 | | |
| 7 | 432 | | |

ET81 Series

208 Δ Volt Primary
208Y/120 Volt Secondary
Taps: 2, 2½% FCAN; 4, 2½% FCBN **9**

| Primary H1-H2-H3 | | Secondary Voltage | |
|------------------|---------|-------------------|----------------|
| @ Tap | Voltage | X1, X2, X3 | X0- X1, X2, X3 |
| 1 | 218 | 208 | 120 |
| 2 | 213 | | |
| 3 | 208 | | |
| 4 | 203 | | |
| 5 | 198 | | |
| 6 | 192 | | |
| 7 | 187 | | |

ET3 Series

208 Δ Volt Primary
480Y/277 Volt Secondary
Taps: 2, 2½% FCAN; 4, 2½% FCBN **10**

| Primary X1-X2-X3 | | Secondary Voltage | |
|------------------|---------|-------------------|---------------|
| @ Tap | Voltage | H1-H2-H3 | H0-H1, H2, H3 |
| 1 | 218 | 480 | 277 |
| 2 | 213 | | |
| 3 | 208 | | |
| 4 | 203 | | |
| 5 | 198 | | |
| 6 | 192 | | |
| 7 | 187 | | |

ET84 Series

240 Δ Volt Primary
208Y/120 Volt Secondary
Taps: 2, 2½% FCAN; 4, 2½% FCBN **11**

| Primary H1-H2-H3 | | Secondary Voltage | |
|------------------|---------|-------------------|----------------|
| @ Tap | Voltage | X1, X2, X3 | X0- X1, X2, X3 |
| 1 | 252 | 208 | 120 |
| 2 | 246 | | |
| 3 | 240 | | |
| 4 | 234 | | |
| 5 | 228 | | |
| 6 | 222 | | |
| 7 | 216 | | |

ET6 Series

240 Δ Volt Primary
480Y/277 Volt Secondary
Taps: 2, 2½% FCAN; 4, 2½% FCBN **12**

| Primary X1-X2-X3 | | Secondary Voltage | |
|------------------|---------|-------------------|----------------|
| @ Tap | Voltage | H1, H2, H3 | H0- H1, H2, H3 |
| 1 | 252 | 480 | 277 |
| 2 | 246 | | |
| 3 | 240 | | |
| 4 | 234 | | |
| 5 | 228 | | |
| 6 | 222 | | |
| 7 | 216 | | |

ET85 Series

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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