Dry Type Distribution Transformers

General Purpose

Energy efficient dry-type SolaHD General Purpose Transformers 600 Volt Class, isolation type, single and three phase, 15 kVA through 500 kVA. Indoor and outdoor models available. For catalog numbers outside of the standard Selection Tables, fill out the *Configured Transformer Quotation Request Form. Contact Technical Support.*



c UL us E25872

c UL Energy Verified Rendement Énergétique Vérifié EV33981

Accessories and Optional Design Styles

- Electrostatic shield for quality power
- Wall mounting brackets
- Weather Shields (UL Listed/NEMA Type 3R)
- Stainless Steel Enclosures
- Open core and coil designs (UL Recognized)
- Copper Wound designs

Features:

- Energy Efficient Compliant to DOE 2016/NRCan 2019 as applicable [1]
- 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
- Quiet operation with sound levels below the NEMA ST-20 requirements
- 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
- Single and three phase availability
- Fast delivery
- Meets transit test requirements for ISTA (International Safe Transit Association) – Test Procedure 1E for packaged-product
- 10 year limited warranty
- Made in the USA

Enhanced Enclosures features:

- Lower Center of Gravity with line of site mounting feet – easily lifted by a forklift for placement from base.
- Replaceable panels: L,R, F, B and top
- Enhanced Fasteners – Cage - Nuts with hex – star interface
- Adequate Wiring compartment
- Packaging tested to ISTA3B standards

Selection Tables: Single Phase

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

kVA	Catalog Number	Type 3R Weather Shield [2]	Height in (mm)	Width in (mm)	Depth in (mm)	Approx. Ship Weight lbs (kg)	Design Style [3]	Elec Conn [3]	Primary Amps	Secondary Amps
15	**ES5H15S**	**WS-15**	28 (711)	16 (406)	16 (406)	210 (95)	1	1	62.5/31.3	125/62.5
25	**ES5H25S**	**WS-15**	28 (711)	16 (406)	16 (406)	245 (111)	1	1	104/52.1	208/104
37.5	**ES5H37S**	**WS-17**	31 (787)	18 (457)	18 (457)	340 (154)	1	1	156/78	313/156
50	**ES5H50S**	**WS-17**	31 (787)	18 (457)	18 (457)	415 (188)	1	1	208/104	416/208
75	**ES5H75S**	**WS-09**	44 (1118)	23 (584)	21 (533)	610 (277)	1	1	313/156	625/313
100	**ES5H100S**	**WS-09**	44 (1118)	23 (584)	21 (533)	705 (320)	1	1	417/208	833/417
167	**ES5H167S**	**WS-16**	46 (1168)	26 (660)	24 (610)	980 (445)	1	1	695/348	1392/695

Notes:

1. DOE 2016 refers to Department of Energy CFR (Code of Federal Regulations) title 10, part 431.196. NRCan 2019 refers to Natural Resources Canada CSA C802.2, Minimum Efficiency Values for Dry-Type Transformers. Verify certifications with Technical Support.
2. Weather shields (set of two) must be ordered separately.
3. Design Styles and Electrical Connections can be found at the end of the Ventilated Distribution Transformers section.
4. Transformers designated made to order items are subject to terms and conditions per your order acknowledgment.

* Not all optional designs are c UL us listed. Contact Technical Services.

Dry Type Distribution Transformers

Selection Tables: Single Phase

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

kVA	Catalog Number	Type 3R Weather Shield [2]	Height in (mm)	Width in (mm)	Depth in (mm)	Approx. Ship Weight lbs (kg)	Design Style [3]	Elec Conn [3]	Primary Amps @ 277 V	Secondary Amps
15	**ES12H15S**	**WS-15**	28 (711)	16 (406)	16 (406)	215 (98)	1	2	54.2	125/62.5
25	**ES12H25S**	**WS-15**	28 (711)	16 (406)	16 (406)	250 (113)	1	2	90.3	208/104

Notes:

1. DOE 2016 refers to Department of Energy CFR (Code of Federal Regulations) title 10, part 431.196. NRCan 2019 refers to Natural Resources Canada CSA C802.2, Minimum Efficiency Values for Dry-Type Transformers. Verify certifications with Technical Support.
2. Weather shields (set of two) must be ordered separately.
3. Design Styles and Electrical Connections can be found at the end of the Ventilated Distribution Transformers section.
4. Transformers designated made to order items are subject to terms and conditions per your order acknowledgment.

Selection Tables: Three Phase

Group A: 480 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	**EE2H15** [3] **EE2H15S**	**WS-02**	23 (584)	18 (457)	17 (431)	221 (100)	2	5	18.1	41.7
30	**EE2H30** [3] **EE2H30S**	**WS-14**	28 (711)	23 (584)	19 (483)	310 (141)	2	5	36.1	83.4
45	**EE2H45** [3] **EE2H45S**	**WS-14**	28 (711)	23 (584)	19 (483)	387 (176)	2	5	54.2	125
75	**EE2H75** [3] **EE2H75S**	**WS-30**	34 (864)	28 (711)	26 (660)	678 (308)	2	5	90.3	208
112.5	**EE2H112S**	**WS-30**	34 (864)	28 (711)	26 (660)	794 (360)	2	5	135	313
150	**E2H150S**	**WS-10**	44 (1118)	33 (838)	21 (533)	1005 (456)	1	5	181	417
225	**E2H225S**	**WS-11**	46 (1168)	36 (914)	24 (610)	1368 (621)	1	5	271	625
300	**E2H300S**	**WS-11**	46 (1168)	36 (914)	24 (6010)	1479 (671)	1	5	361	834
500	**E2H500S**	**WS-12**	65 (1651)	45 (1143)	35 (889)	2457 (1114)	1	5	602	1390

Group B: 480 Volt Δ Primary, 240 Volt Δ Secondary with 120 V 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	**EE5H15** [3] **EE5H15S**	**WS-02**	23 (584)	18 (457)	17 (431)	221 (100)	2	6	18.1	36.1
30	**EE5H30** [3] **EE5H30S**	**WS-14**	28 (711)	23 (584)	19 (483)	322 (146)	2	6	36.1	72.3
45	**EE5H45** [3] **EE5H45S**	**WS-14**	28 (711)	23 (584)	19 (483)	387 (176)	2	6	54.2	108
75	**EE5H75** [3] **EE5H75S**	**WS-30**	34 (864)	28 (711)	26 (660)	678 (308)	2	6	90.3	181
112.5	**EE5H112S**	**WS-30**	34 (864)	28 (711)	26 (660)	792 (359)	2	6	135	271
150	**E5H150S**	**WS-10**	44 (1118)	33 (838)	21 (533)	1009 (458)	1	6	181	361
225	**E5H225S**	**WS-11**	46 (1168)	36 (914)	24 (610)	1367 (620)	1	6	271	542
300	**E5H300S**	**WS-11**	46 (1168)	36 (914)	24 (610)	1478 (670)	1	6	361	723
500	**E5H500S**	**WS-12**	65 (1651)	45 (1143)	35 (889)	2457 (1114)	1	6	602	1204

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.
5. Transformers designated made to order items are subject to terms and conditions per your order acknowledgment.
6. Models that begin with EE indicate they are Enhanced Enclosure models. Only available in 11-112.5 kVA sizes.

Dry Type Distribution Transformers

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	**EE81H15S**	**WS-02**	23 (584)	18 (457)	17 (431)	220 (100)	2	8	18.1	18.1
30	**EE81H30S**	**WS-14**	28 (711)	23 (584)	19 (483)	322 (146)	2	8	36.1	36.1
45	**EE81H45S**	**WS-14**	28 (711)	23 (584)	19 (483)	387 (176)	2	8	54.2	54.2
75	**EE81H75S**	**WS-30**	34 (864)	28 (711)	26 (660)	679 (308)	2	8	90.3	90.3
112.5	**EE81H112S**	**WS-30**	34 (864)	28 (711)	26 (660)	791 (359)	2	8	135	135
150	**E81H150S**	**WS-10**	44 (1118)	33 (838)	21 (533)	1001 (454)	1	8	181	181
225	**E81H225S**	**WS-11**	46 (1168)	36 (914)	24 (610)	1377 (625)	1	8	271	271
300	**E81H300S**	**WS-11**	46 (1168)	36 (914)	24 (6010)	1497 (679)	1	8	361	361
500	**E81H500S**	**WS-12**	65 (1651)	45 (1143)	35 (889)	2456 (1114)	1	8	602	602

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	**EE84H15S**	**WS-02**	23 (584)	18 (457)	17 (431)	220 (100)	2	10	41.7	18.1
30	**EE84H30S**	**WS-14**	28 (711)	23 (584)	19 (483)	320 (145)	2	10	83.4	36.1
45	**EE84H45S**	**WS-14**	28 (711)	23 (584)	19 (483)	390 (177)	2	10	125	54.2
75	**EE84H75S**	**WS-30**	34 (864)	28 (711)	26 (660)	680 (308)	2	10	208	90.3
112.5	**EE84H112S**	**WS-30**	34 (864)	28 (711)	26 (660)	799 (362)	2	10	313	135
150	**E84H150S**	**WS-10**	44 (1118)	33 (838)	21 (533)	1000 (454)	1	10	417	181

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	**EE3H15S**	**WS-02**	23 (584)	18 (457)	17 (431)	222 (101)	2	9	41.7	41.7
30	**EE3H30S**	**WS-14**	28 (711)	23 (584)	19 (483)	320 (145)	2	9	83.4	83.4
45	**EE3H45S**	**WS-14**	28 (711)	23 (584)	19 (483)	390 (177)	2	9	125	125
75	**EE3H75S**	**WS-30**	34 (864)	28 (711)	26 (660)	679 (308)	2	9	208	208
112.5	**EE3H112S**	**WS-30**	34 (864)	28 (711)	26 (660)	801 (363)	2	9	313	313
150	**E3H150S**	**WS-10**	44 (1118)	33 (838)	21 (533)	1004 (455)	1	9	416	416

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	**EE6H15S**	**WS-02**	23 (584)	18 (457)	17 (431)	220 (100)	2	11	36.1	41.7
30	**EE6H30S**	**WS-14**	28 (711)	23 (584)	19 (483)	311 (141)	2	11	72.3	83.4
45	**EE6H45S**	**WS-14**	28 (711)	23 (584)	19 (483)	392 (178)	2	11	108	125
75	**EE6H75S**	**WS-30**	34 (864)	28 (711)	26 (660)	678 (308)	2	11	181	208
112.5	**EE6H112S**	**WS-30**	34 (864)	28 (711)	26 (660)	799 (362)	2	11	271	313
150	**E6H150S**	**WS-10**	44 (1118)	33 (838)	21 (533)	1005 (456)	1	11	361	417

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. Models that begin with EE indicate they are Enhanced Enclosure models. Only available in 11-112.5 kVA sizes.

Selection Tables: Three Phase

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	**EE85H15S**	**WS-02**	23 (584)	18 (457)	17 (431)	221 (100)	2	12	36.1	18.1
30	**EE85H30S**	**WS-14**	28 (711)	23 (584)	19 (483)	322 (146)	2	12	72.3	36.1
45	**EE85H45S**	**WS-14**	28 (711)	23 (584)	19 (483)	392 (178)	2	12	108	54.2
75	**EE85H75S**	**WS-30**	34 (864)	28 (711)	26 (660)	682 (309)	2	12	181	90.3
112.5	**EE85H112S**	**WS-30**	34 (864)	28 (711)	26 (660)	798 (362)	2	12	271	135
150	**E85H150S**	**WS-10**	44 (1118)	33 (838)	21 (533)	1001 (454)	1	12	361	181

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	**EE79H15S**	**WS-02**	23 (584)	18 (457)	17 (431)	220 (100)	2	7	18.1	22.8
30	**EE79H30S**	**WS-14**	28 (711)	23 (584)	19 (483)	320 (145)	2	7	36.1	45.6
45	**EE79H45S**	**WS-14**	28 (711)	23 (584)	19 (483)	387 (176)	2	7	54.2	68.4
75	**EE79H75S**	**WS-30**	34 (864)	28 (711)	26 (660)	678 (308)	2	7	90.3	114
112.5	**EE79H112S**	**WS-30**	34 (864)	28 (711)	26 (660)	797 (362)	2	7	135.3	170.9
150	**E79H150S**	**WS-10**	44 (1118)	33 (838)	21 (533)	1011 (459)	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	**EE2H15SCU**	**WS-02**	23 (584)	18 (457)	17 (431)	255 (116)	2	5	18.1	41.7
30	**EE2H30SCU**	**WS-14**	28 (711)	23 (584)	19 (483)	349 (158)	2	5	36.1	83.4
45	**EE2H45SCU**	**WS-14**	28 (711)	23 (584)	19 (483)	455 (206)	2	5	54.2	125
75	**EE2H75SCU**	**WS-30**	34 (864)	28 (711)	26 (660)	781 (354)	2	5	90.3	208
112.5	**EE2H112SCU**	**WS-30**	34 (864)	28 (711)	26 (660)	923 (419)	2	5	135	313
150	**E2H150SCU**	**WS-10**	44 (1118)	33 (838)	21 (533)	1154 (523)	1	5	181	417
225	**E2H225SCU**	**WS-11**	46 (1168)	36 (914)	24 (610)	1539 (698)	1	5	271	625
300	**E2H300SCU**	**WS-11**	46 (1168)	36 (914)	24 (610)	1662 (754)	1	5	361	834
500	**E2H500SCU**	**WS-12**	65 (1651)	45 (1143)	35 (889)	2457 (1114)	1	5	602	1390

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. Transformers designated made to order items are subject to terms and conditions per your order acknowledgment.
4. Models that begin with EE indicate they are Enhanced Enclosure models. Only available in 11-112.5 kVA sizes.

Dry Type Distribution Transformers

Selection Tables: Three Phase

Group L: 600 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	**EE7H15S**	**WS-02**	23 (584)	18 (457)	17 (431)	221 (100)	2	13	18.1	41.7
30	**EE7H30S**	**WS-14**	28 (711)	23 (584)	19 (483)	310 (141)	2	13	36.1	83.4
45	**EE7H45S**	**WS-14**	28 (711)	23 (584)	19 (483)	387 (176)	2	13	54.2	125
75	**EE7H75S**	**WS-30**	34 (864)	28 (711)	26 (660)	678 (308)	2	13	90.3	208
112.5	**EE7H112S**	**WS-30**	34 (864)	28 (711)	26 (660)	794 (360)	2	13	135	313
150	**E7H150S**	**WS-10**	44 (1118)	33 (838)	21 (533)	1005 (456)	2	13	181	417
225	**E7H225S**	**WS-11**	46 (1168)	36 (914)	24 (610)	1368 (621)	1	13	271	625
300	**E7H300S**	**WS-11**	46 (1168)	36 (914)	24 (610)	1479 (671)	1	13	361	834
500	**E7H500S**	**WS-12**	65 (1651)	45 (1143)	35 (889)	2457 (1114)	1	13	602	1390

Group M: 600 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	**EE71H15S**	**WS-02**	23 (584)	18 (457)	17 (431)	221 (100)	2	14	18.1	41.7
30	**EE71H30S**	**WS-14**	28 (711)	23 (584)	19 (483)	310 (141)	2	14	36.1	83.4
45	**EE71H45S**	**WS-14**	28 (711)	23 (584)	19 (483)	387 (176)	2	14	54.2	125
75	**EE71H75S**	**WS-30**	34 (864)	28 (711)	26 (660)	678 (308)	2	14	90.3	208
112.5	**EE71H112S**	**WS-30**	34 (864)	28 (711)	26 (660))	794 (360)	2	14	135	313
150	**E71H150S**	**WS-10**	44 (1118)	33 (838)	21 (533)	1005 (456)	1	14	181	417
225	**E71H225S**	**WS-11**	46 (1168)	36 (914)	24 (610)	1368 (621)	1	14	271	625
300	**E71H300S**	**WS-11**	46 (1168)	36 (914)	24 (610)	1479 (671)	1	14	361	834
500	**E71H500S**	**WS-12**	65 (1651)	45 (1143)	35 (889)	2457 (1114)	1	14	602	1390

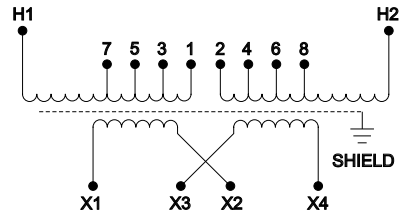
Notes:

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. Transformers designated made to order items are subject to terms and conditions per your order acknowledgment.
4. Models that begin with EE indicate they are Enhanced Enclosure models. Only available in 11-112.5 kVA sizes.

Electrical Connections (Single Phase)

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

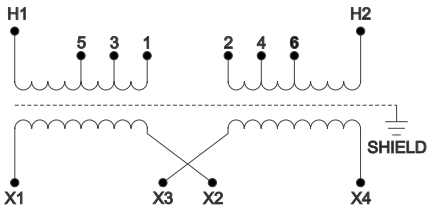
1



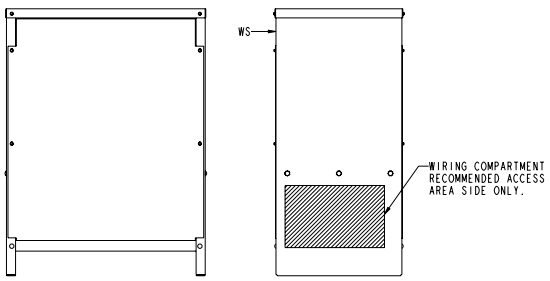
Primary Voltage	Interconnect	Connect Lines To
504	1 to 2	H1 & H2
492	2 to 3	H1 & H2
480	3 to 4	H1 & H2
468	4 to 5	H1 & H2
456	5 to 6	H1 & H2
444	6 to 7	H1 & H2
432	7 to 8	H1 & H2
252	H1 to 2 H2 to 1	H1 & H2
240	H1 to 4 H2 to 3	H1 & H2
228	H1 to 6 H2 to 5	H1 & H2
216	H1 to 8 H2 to 7	H1 & H2
Secondary Voltage	**Interconnect**	**Connect Lines To**
240	X2 to X3	X1 & X4
120-0-120	X2 to X3 X2 to ⏚	X1-X2-X4
120	X1 to X3 X2 to X4	X1 & X4
EES5 or ES5 Series		

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

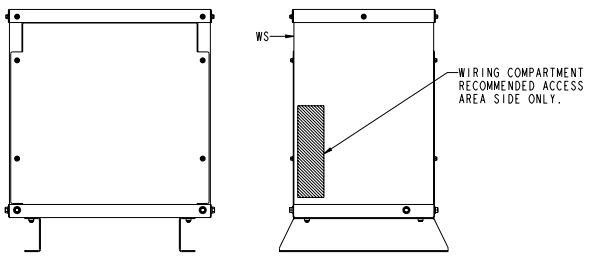
2



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 ⏚	X1-X2-X4
120	X1 to X3 X2 to X4	X1 & X4
EES12 or ES12 Series		



Design Style 1



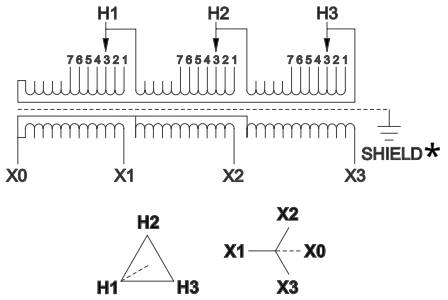
Design Style 2

Wall mounting brackets are available for ventilated transformers up to 75 kVA:
WMB1151 has a maximum weight capacity of 500 lb. (227 kg.)
WMB6375 has a maximum weight capacity of 780 lb. (354 kg)

Electrical Connections (Three Phase)

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

5



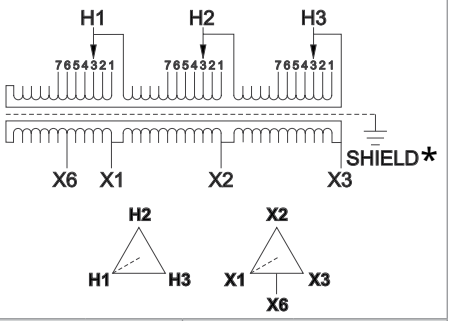
Primary H1-H2-H3		Secondary Voltage	
@ Tap	Voltage	X1, X2, X3	X0- X1, X2, X3
1	504	208	120
2	492		
3	480		
4	468		
5	456		
6	444		
7	432		

EE2 or E2 and 3H Series

** Refer to Group Tables for shielded units.*

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

6



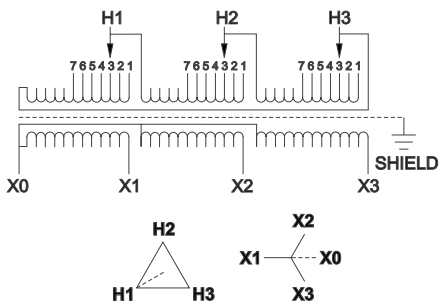
Primary H1-H2-H3		Secondary Voltage	
@ Tap	Voltage	X1, X2, X3	X6-X1, X6-X3
1	504	240	120
2	492		
3	480		
4	468		
5	456		
6	444		
7	432		

EE5 or E5 Series

** Refer to Group Tables for shielded units.*

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

7

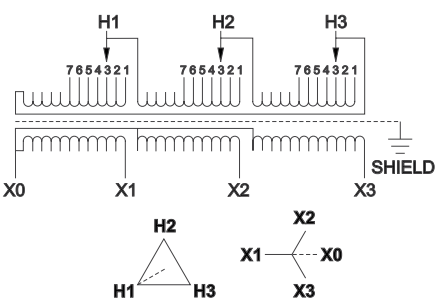


Primary H1-H2-H3		Secondary Voltage	
@ Tap	Voltage	X1, X2, X3	X0- X1, X2, X3
1	504	380	220
2	492		
3	480		
4	468		
5	456		
6	444		
7	432		

EE79 or E79 Series

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

8

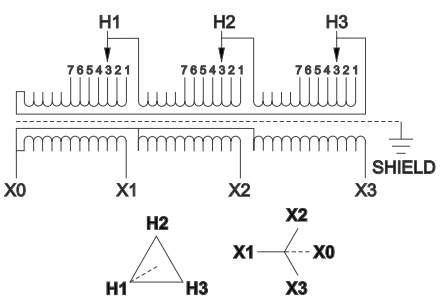


Primary H1-H2-H3		Secondary Voltage	
@ Tap	Voltage	X1, X2, X3	X0- X1, X2, X3
1	504	480	277
2	492		
3	480		
4	468		
5	456		
6	444		
7	432		

EE81 or E81 Series

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

9



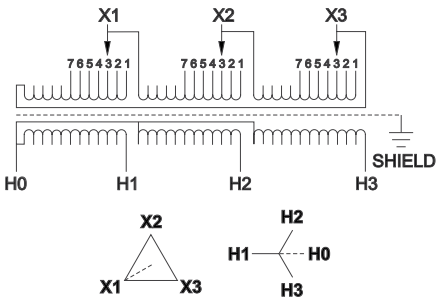
Primary H1-H2-H3		Secondary Voltage	
@ Tap	Voltage	X1, X2, X3	X0- X1, X2, X3
1	218	208	120
2	213		
3	208		
4	203		
5	198		
6	192		
7	187		

EE3 or E3 Series

Electrical Connections (Three Phase) cont.

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

10

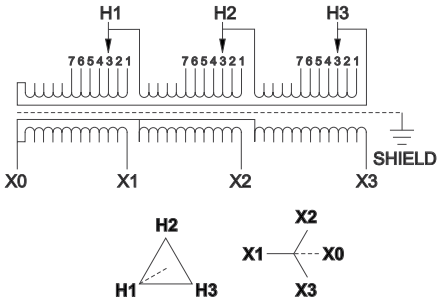


Primary X1-X2-X3		Secondary Voltage	
@ Tap	Voltage	H1-H2-H3	H0-H1, H2, H3
1	218	480	277
2	213		
3	208		
4	203		
5	198		
6	192		
7	187		

EE84 or E84 Series

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

11

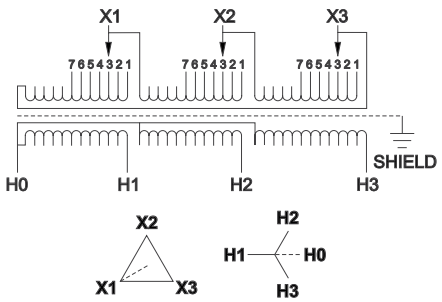


Primary H1-H2-H3		Secondary Voltage	
@ Tap	Voltage	X1, X2, X3	X0- X1, X2, X3
1	252	208	120
2	246		
3	240		
4	234		
5	228		
6	222		
7	216		

EE6 or E6 Series

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

12

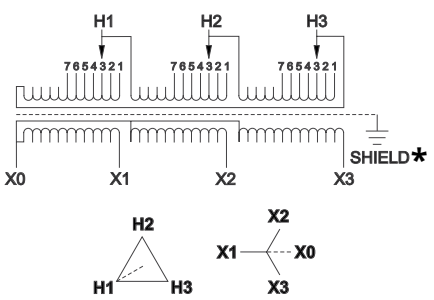


Primary X1-X2-X3		Secondary Voltage	
@ Tap	Voltage	H1-H2-H3	H0-H1, H2, H3
1	252	480	277
2	246		
3	240		
4	234		
5	228		
6	222		
7	216		

EE85 or E85 Series

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

13



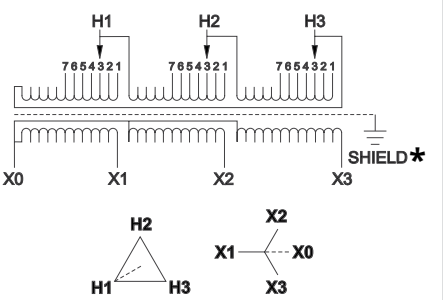
Primary H1-H2-H3		Secondary Voltage	
@ Tap	Voltage	X1, X2, X3	X0- X1, X2, X3
1	630	208	120
2	615		
3	600		
4	585		
5	570		
6	555		
7	540		

EE7 or E7 Series

** Only applies to electrostatically shielded units.*

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

14



Primary H1-H2-H3		Secondary Voltage	
@ Tap	Voltage	X1, X2, X3	X0- X1, X2, X3
1	630	480	277
2	615		
3	600		
4	585		
5	570		
6	555		
7	540		

EE71 or E71 Series

** Only applies to electrostatically shielded units.*

Availability, design and specifications are subject to change without notice.
© 2024 Emerson Electric Co. All rights reserved.