

Sealed Single- and Three-Phase Stainless Steel Enclosed Transformers

Stainless steel enclosures provide better corrosion resistance than standard painted enclosures. Schneider Electric has a complete line of stainless steel transformers to meet demands for extra protection in corrosive environments.

The transformers listed below are built with an epoxy-resin encapsulated core and coil assembly inside of a non-ventilated #316 stainless steel enclosure. Terminals are flexible copper lead wire. When connections are made using an appropriate method, the final transformer installation is virtually impervious to contamination from materials such as acids, food products, organic solvents, salt water, or similar. Transformers are cULus Listed for NEMA 3R indoor or outdoor use.

Ventilated and non-ventilated transformers built using #316 stainless steel enclosures are also available. These are well suited for moderately corrosive locations where enclosure protection and appearance are important. Contact your nearest Schneider Electric sales office for details.

kVA	Catalog No.	\$ Price	Full Capacity Taps	Degree C Temp. Rise	Weight (lbs)	Enclosure
Single-Phase—240x480 V Primary						
120/240 V Secondary 60 Hz; cULus Listed						
1	1S1FSS	1274.00	None	115	21	7A
1.5	1.5S1FSS	1778.00	None	115	30	8A
2	2S1FSS	1914.00	None	115	39	9A
3	3S1FSS	2684.00	None	115	60	10A
5	5S1FSS	3880.00	None	115	110	13B
7.5	7S1FSS	4164.00	None	115	135	13B
10	10S1FSS	4764.00	None	115	150	13B
15	15S1FSS	7036.00	None	115	225	15B
25	25S1FSS	9606.00	None	115	300	15B

kVA	Catalog No.	\$ Price	Full Capacity Taps	Degree C Temp. Rise	Weight (lbs)	Enclosure
Single-Phase—480 V Primary						
120/240 V Secondary 60 Hz; cULus Listed						
3	3S40FSS	2684.00	2-5% FCBN	115	60	10A
5	5S40FSS	3880.00	2-5% FCBN	115	110	13B
7.5	7S40FSS	4164.00	2-5% FCBN	115	135	13B
10	10S40FSS	4764.00	2-5% FCBN	115	150	13B
15	15S40FSS	7036.00	2-5% FCBN	115	225	15B
25	25S40FSS	9606.00	2-5% FCBN	115	300	15B

kVA	Catalog No.	\$ Price	Full Capacity Taps	Degree C Temp. Rise	Weight (lbs)	Enclosure
Three-Phase—480 V Delta Primary						
208Y/120 V Secondary 60 Hz; cULus Listed						
3	3T2FSS	4116.00	2-5% FCBN	115	120	12C
6	6T2FSS	4924.00	2-5% FCBN	115	145	12C
9	9T2FSS	6072.00	2-5% FCBN	115	234	14C
15	15T2FSS	7726.00	2-5% FCBN	115	300	14C
30	30T2FSS	13022.00	2-5% FCBN	115	660	16C

Additional voltages not listed below are available. Contact your nearest Schneider Electric sales office for details. Stainless steel is painted.

NEMA 4X Single-Phase—480 V Primary
120/240 V Secondary 60 Hz

kVA	Catalog No.	\$ Price	Full Capacity Taps	Degree C Temp. Rise
1	1S40F4XSS	9720.00	2-5% FCBN	115
2	2S40F4XSS	10380.00	2-5% FCBN	115
3	3S40F4XSS	10816.00	2-5% FCBN	115
5	5S40F4XSS	12332.00	2-5% FCBN	115
7.5	7S40F4XSS	13426.00	2-5% FCBN	115
10	10S40F4XSS	14460.00	2-5% FCBN	115
15	15S40F4XSS	18496.00	2-5% FCBN	115
25	25S40F4XSS	27720.00	2-5% FCBN	115

NEMA 4X Three-Phase—480 V Delta Primary
208Y/120 V Secondary 60 Hz

kVA	Catalog No.	\$ Price	Full Capacity Taps	Degree C Temp. Rise
3	3T2F4XSS	12676.00	2-5% FCBN	115
6	6T2F4XSS	13906.00	2-5% FCBN	115
9	9T2F4XSS	17506.00	2-5% FCBN	115
15	15T2F4XSS	30540.00	2-5% FCBN	115
30	30T2F4XSS	41612.00	2-5% FCBN	115

▲ For enclosure styles, see Dimensions on page 14-8.
■ Not for construction. Contact your local Schneider Electric sales office for certified prints.
Note: FCBN = Full capacity below normal
Note: Lugs: Furnished by customer

Non-Ventilated Single- and Three-Phase Transformers

Non-ventilated enclosures are used in environments where large quantities of dust, airborne contaminants, metal particles, or moisture make ventilated transformers impractical. These transformers are also used when water spray from any direction is possible.

The 150°C rise transformers listed below are built using 220 class insulated core and coil assemblies similar to ventilated units. However, the core and conductors are oversized to maintain proper temperature rise with the limited cooling capacity of a non-ventilated enclosure. Therefore, non-ventilated transformers are larger and heavier than the same kVA and voltage ventilated equivalent.

The 115°C rise epoxy-resin encapsulated transformers listed below are furnished non-ventilated at standard price.

Non-ventilated enclosures meet protection code IP55 (dust and jetting water protection) per standard IEC-605.29. While not listed to a specific NEMA standard, they are suitable for indoor or outdoor use.

kVA	Catalog No.	\$ Price	Full Capacity Taps	Degree C Temp. Rise	Weight (lbs)	Enclosure
Single-Phase—240X480 V Primary						
120/240 V Secondary 60 Hz						
15	15S3HNV	5042.00	6-2.5%2 + 4-◆	150	230	17E
25	25S3HNV	7562.00	6-2.5%2 + 4-◆	150	310	18E
37.5	37S3HNV	11248.00	6-2.5%2 + 4-◆	150	350	18E
50	50S3HNV	14384.00	6-2.5%2 + 4-◆	150	450	21E
75	75S3HNV	17600.00	6-2.5%2 + 4-◆	150	880	24E
100	100S3HNV	22286.00	6-2.5%2 + 4-◆	150	975	25E

kVA	Catalog No.	\$ Price	Full Capacity Taps	Degree C Temp. Rise	Weight (lbs)	Enclosure
Single-Phase—600 V Primary						
120/240 V Secondary 60 Hz						
15	15S5HNV	5422.00	4-2.5%FCBN	150	230	17E
25	25S5HNV	8176.00	4-2.5%FCBN	150	310	18E
37.5	37S5HNV	12356.00	4-2.5%FCBN	150	350	18E
50	50S5HNV	14344.00	4-2.5%FCBN	150	450	21E
75	75S5HNV	19524.00	4-2.5%FCBN	150	880	24E
100	100S5HNV	24050.00	4-2.5%FCBN	150	975	25E

kVA	Catalog No.	\$ Price	Full Capacity Taps	Degree C Temp. Rise	Weight (lbs)	Enclosure
Three-Phase—480 V Delta Primary						
208Y/120 V Secondary 60 Hz						
30	30T3HNV	8090.00	6-2.5%2 + 4-	150	340	19E
45	45T3HNV	12396.00	6-2.5%2 + 4-	150	510	19E
75	75T3HNV	19118.00	6-2.5%2 + 4-	150	1025	22E
112.5	112T3HNV	25848.00	6-2.5%2 + 4-	150	1250	24E
150	150T3HNV	33348.00	6-2.5%2 + 4-	150	2000	25E
225	225T3HNV	50238.00	6-2.5%2 + 4-	150	2100	30E
300	300T3HNV	55152.00	6-2.5%2 + 4-	150	3950	31E

kVA	Catalog No.	\$ Price	Full Capacity Taps	Degree C Temp. Rise	Weight (lbs)	Enclosure
Three-Phase—480 V Delta Primary						
240 V Delta Secondary 60 Hz						
30	30T6HNV	8090.00	6-2.5%2 + 4-	150	340	19E
45	45T6HNV	12396.00	6-2.5%2 + 4-	150	510	19E
75	75T6HNV	19118.00	6-2.5%2 + 4-	150	1025	22E
150	112T6HNV	25848.00	6-2.5%2 + 4-	150	1250	24E
150	150T6HNV	33348.00	6-2.5%2 + 4-	150	2000	25E
225	225T6HNV	50238.00	6-2.5%2 + 4-	150	2100	30E
300	300T6HNV	55152.00	6-2.5%2 + 4-	150	3950	31E

kVA	Catalog No.	\$ Price	Full Capacity Taps	Degree C Temp. Rise	Weight (lbs)	Enclosure
Three-Phase—600 V Delta Primary						
208Y/120 V Secondary 60 Hz						
30	30T8HNV	8826.00	4-2.5%FCBN	150	340	19E
45	45T8HNV	13446.00	4-2.5%FCBN	150	510	19E
75	75T8HNV	20590.00	4-2.5%FCBN	150	1025	22E
112.5	112T8HNV	27944.00	4-2.5%FCBN	150	1250	24E
150	150T8HNV	33412.00	4-2.5%FCBN	150	2000	25E
225	225T8HNV	51704.00	4-2.5%FCBN	150	2100	30E
300	300T8HNV	56730.00	4-2.5%FCBN	150	3950	31E

▲ For enclosure styles, see Dimensions on page 14-8.
■ Not for construction. Contact your local Schneider Electric sales office for certified prints.
◆ When 240 V tap is used, there will be 3-5% taps, 1 above and 2 below.
Note: FCBN = Full capacity below normal
Note: Lugs: Furnished by customer

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