

Resin Encapsulated Export Model and Buck Boost Transformers Single Phase Export Model

These general purpose transformers accommodate voltage systems world wide. Export model transformers 10 kVA and smaller, CE marked in addition to being cULus Listed. For CE marked transformers in other ratings, contact your local Schneider Electric representative for CE marked transformers up to 300 kVA, single and three phase.

Table 14.16: Single-Phase—110/220 Vac Secondary; 50/60 Hz; cULus Listed (240 x 480 Vac Primary to 120/240 Vac Secondary - 60 Hz only)

kVA	220 x 440 Primary Catalog No.	Weight (lbs)[17]	Enclosure[18]	Full Capacity Taps	Degree C Temperature Rise	Insulation Class
1	1S67F	21.2	7A	190/200/208/220 x 380/400/416/440	115	180
2	2S67F	39.1	9A	190/200/208/220 x 380/400/416/440	115	180
3	3S67F	55.2	10A	190/200/208/220 x 380/400/416/440	115	180
5	5S67F	135	13B	190/200/208/220 x 380/400/416/440	115	180
7.5	7S67F	165	13B	190/200/208/220 x 380/400/416/440	115	180
10	10S67F	165	13B	190/200/208/220 x 380/400/416/440	115	180

Sealed Single-Phase Buck and Boost

When buck and boost transformers are interconnected as an autotransformer, they can supply small changes in voltage. Wiring diagrams and sizing are available from catalog 7414CT0201 or www.buckboostcalculator.com.

Units can also be used as isolation transformers for 120 x 240 to 12/24 or 16/32 and 240 x 480 to 24/48 by connecting using the diagram on the nameplate.

NOTE: When used to supply a 3-phase, 4-wire load, the source must be 3-phase, 4-wire.

kVA	120 x 240 Vac Primary 60 Hz		240 x 480 Vac Primary 60 Hz	Weight (lbs)[17]	Enclosure[18]	Degree C Temperature Rise	Insulation Class
	12/24 Vac Secondary	16/32 Vac Secondary	24/48 Vac Secondary				
0.05	50SV43A	50SV46A	50SV82A	4.2	1A	55	105
0.1	100SV43A	100SV46A	100SV82A	4.5	2A	55	105
0.15	150SV43A	150SV46A	150SV82A	6.2	3A	55	105
0.25	250SV43B	250SV46B	250SV82B	10.5	4A	80	130
0.5	500SV43B	500SV46B	500SV82B	13.8	5A	80	130
0.75	750SV43F	750SV46F	750SV82F	15.5	6A	115	180
1	1S43F	1S46F	1S82F	21.2	7A	115	180
1.5	1.5S43F	1.5S46F	1.5S82F	30.1	8A	115	180
2	2S43F	2S46F	2S82F	39.1	9A	115	180
3	3S43F	3S46F	3S82F	60	* See table 14.17 3 kVA Buck Boost	115	180

3 kVA Buck Boost

Table 14.17: Enclosure Dimensions

Enclosure Number/ Style		Height		Width		Depth		Mounting
		in	mm	in	mm	in	mm	
1	A	5.00	127	4.47	114	3.44	87	Wall
2	A	5.50	140	4.47	114	3.44	87	Wall
3	A	5.00	127	4.85	123	3.75	95	Wall
4	A	5.50	140	5.23	133	4.06	103	Wall
5	A	6.19	157	6.19	157	4.69	119	Wall
6	A	6.69	170	6.19	157	4.69	119	Wall
7	A	8.13	270	6.94	176	5.31	135	Wall
8	A	8.25	210	8.68	220	6.56	167	Wall
9	A	9.56	243	8.68	220	6.56	167	Wall
10	A	10.50	267	8.62	219	6.50	165	Wall
11	A	12.56	319	8.62	219	6.50	165	Wall
* 3 kVA Buck Boost		14.5	—	8.62	—	6.5	—	—
12	C	13.50	343	14.75	375	9	229	Wall
13	B	14.75	375	9.75	248	11.75	298	Wall
14	C	14.75	375	19.1	485	2.25	311	Wall
15	B	20.00	508	15	381	13.5	343	Wall
16	C	22.00	559	25	635	13.5	343	Wall
51	X	9.5	24	10	25	7.75	20	Wall
52	X	12	30	13.75	35	13.75	35	Wall
53	X	24	61	21.5	55	16.38	42	Floor
54	X	23	58	25.5	65	13.75	35	Floor
55	X	31.5	80	31.5	80	16.25	41	Floor

These dimensions are not for construction. Contact your local Schneider Electric representative for certified prints.

Fingersafe™ terminal block cover kits for encapsulated transformers can be used to meet touch-safe requirements.

Enclosure	Kit Catlog Number	Description
7A (1 kVA)	7400ENT9	TERMINAL BLOCK H1, H2, H3, H4, H5, H6, H7, H8, H9, H10 and X1, X2, X3, X4
9A (2 kVA)	7400ENT11	TERMINAL BLOCK H1, H2, H3, H4, H5, H6, H7, H8, H9, H10 and X1, X2, X3, X4
10A (3 kVA)	7400ENT11	TERMINAL BLOCK H1, H2, H3, H4, H5, H6, H7, H8, H9, H10 and X1, X2, X3, X4
13B (5–10 kVA)	7400ENT13	TERMINAL BLOCK H1, H2, H3, H4, H5, H6, H7, H8, H9, H10 and X1, X2, X3, X4

[17] Not for construction, Contact your local Schneider Electric representative for certified prints.

[18] For enclosure styles, see Table 14.17 Enclosure Dimensions, page 14-9