



Buck-Boost Transformers

Jefferson Electric manufactures a comprehensive line of Buck-Boost transformers for line voltage and low voltage applications.

Powerformer™ Buck-Boost

- Single phase Isolation transformer
 - 120 x 240V— 12/24V
 - 120 x 240V— 16/32V
 - 120 x 240V— 24/48V
- Low voltage lighting applications
- Single-phase encapsulated autotransformer
- Three phase encapsulated autotransformer (using multiple single phase transformers)
- 50VA to 10 KVA
- Economical for stepping voltages up or down
- Solve over/under voltage problems efficiently
- Windings —Aluminum/Copper
- Enclosures — NEMA 3R
- 60 Hz standard
- Cores of high quality electrical grade steel
- Heat cured powder coat finish enclosures
- Wall mounted with slotted mounting holes



What's a Buck-Boost?

Jefferson Electric's Buck-Boost transformers are low voltage isolation transformers that can be connected in an auto-transformer arrangement to provide a convenient and economical way to raise or lower single and three-phase voltages from 5-20%. The auto-transformer arrangement allows smaller and less expensive Buck-Boost transformers to supply large power loads.

Choosing a Buck-Boost

Check out our Buck-Boost Application Manual on our website www.jeffersonelectric.com for details on choosing the correct transformer for your application.

Single Phase Buck-Boost —

	120 x 240-12/24V		120 x 240-16/32V		120 x 240-24/48V		
KVA	Catalog Number		Catalog Number		Catalog Number		Weight
.050	416-1100-000		416-1200-000		416-1400-000		2.8
.100	416-1101-000		416-1201-000		416-1401-000		3.5
.150	416-1111-000		416-1211-000		416-1411-000		4.1
.250	416-1121-000		416-1221-000		416-1421-000		5.6
.500	416-1131-000		416-1231-000		416-1431-000		12.0
.750	416-1141-000		416-1241-000		416-1441-000		14.4
1	416-1151-000		416-1251-000		416-1451-000		17.8
1.5	416-1161-000		416-1261-000		416-1461-000		26.8
2	416-1171-000		416-1271-000		416-1471-000		33.4
3	416-1181-000		416-1281-000		416-1481-000		39.8
5	416-1191-000		416-1291-000		416-1491-000		53.6
7.5	416-2101-000		416-2201-000		416-2401-000		98
10	416-2111-000		416-2211-000		416-2411-000		132
	Low Voltage	High Voltage	Low Voltage	High Voltage	Low Voltage	High Voltage	
Single phase Buck-Boost Voltages	100	120	95	120	200	240	
	109	120	106	120	230	276	
	120	132	120	136	240	288	
	120	144	120	152	437	480	
	208	230	208	236	457	480	
	218	240	212	240	480	504	
	240	252	225	240	480	528	
	240	264	240	272			
Three phase Open Delta Voltages (Requires 2 Transformers)	208	230	208	236	200	240	
	218	240	212	240	230	253	
	229	240	225	240	230	276	
	240	252	240	272	240	288	
	240	264			437	480	
					457	480	
					480	504	
					480	528	
Three phase Wye Voltages (Requires 3 Transformers)	173	208	164	208	346	416	
	189	208	183	208	398	438	
	208	229	208	235	398	478	
	208	249	208	263	416	498	
	378	416	367	416			
	397	416	390	416			
	416	437	416	443			
	416	457	416	471			



9650 South Franklin Drive
Franklin, WI 53132-8847
414-209-1620
800-942-5169
Fax 414-209-1621

Email: info@jeffersonelectric.com
Website: www.jeffersonelectric.com