

120 x 240 Volts Primary - 16/32 Volts Secondary • Buck - Boost Dry-Type Transformers

AMPS = Load Amps
KVA = Load Circuit KVA

Single-Phase

TABLE III

Catalog Number (Previous P/N in Parenthesis)	Line Voltage	BOOSTING								BUCKING					
		95	100	105	208	215	215	220	225	135	240	240	245	250	255
		Load Voltage	120	113	119	236	244	229	235	240	120	212	225	230	234
K1XGF16-.050 (SB16N.050F)	KVA	0.19	0.35	0.37	0.37	0.38	0.72	0.73	0.75	0.42	0.38	0.75	0.77	0.78	0.80
	AMPS	1.56	3.13	3.13	1.56	1.56	3.12	3.13	3.12	3.54	1.77	3.33	3.33	3.33	3.33
K1XGF16-.100 (SB16N.100F)	KVA	0.38	0.71	0.74	0.74	0.76	1.43	1.47	1.50	0.84	0.75	1.50	1.53	1.56	1.59
	AMPS	3.13	6.25	6.25	3.13	3.13	6.25	6.25	6.25	7.08	3.54	6.67	6.67	6.67	6.67
K1XGF16-.150 (SB16N.150F)	KVA	0.56	1.06	1.12	1.11	1.14	2.15	2.20	2.25	1.27	1.13	2.25	2.30	2.34	2.39
	AMPS	4.69	9.38	9.38	4.69	4.69	9.37	9.37	9.37	10.63	5.31	10.00	10.00	10.00	10.00
K1XGF16-.250 (SB16N.250F)	KVA	0.94	1.77	1.86	1.84	1.90	3.58	3.67	3.75	2.11	1.88	3.75	3.83	3.91	3.98
	AMPS	7.81	15.63	15.63	7.81	7.81	15.62	15.62	15.62	17.71	8.85	16.67	16.67	16.67	16.67
K1XGF16-.500 (SB16N.500F)	KVA	1.88	3.54	3.72	3.68	3.81	7.17	7.33	7.50	4.22	3.75	7.50	7.66	7.81	7.97
	AMPS	15.63	31.25	31.25	15.63	15.63	31.25	31.25	31.25	35.42	17.71	33.33	33.33	33.33	33.33
K1XGF16-.750 (SB16N.750F)	KVA	2.82	5.31	5.58	5.53	5.71	10.75	11.00	11.25	6.33	5.63	11.25	11.48	11.72	11.95
	AMPS	23.44	46.88	46.88	23.44	23.44	46.87	46.87	46.87	53.13	26.56	50.00	50.00	50.00	50.00
K1XGF16-1 (SB16N1F)	KVA	3.76	7.08	7.44	7.37	7.61	14.33	14.67	15.00	8.44	7.50	15.00	15.31	15.62	15.94
	AMPS	31.25	62.50	62.50	31.25	31.25	62.50	62.50	62.50	70.83	35.42	66.67	66.67	66.67	66.67
K1XGF16-1.5 (SB16N1.5F)	KVA	5.64	10.63	11.16	11.05	11.42	21.50	22.00	22.50	12.66	11.25	22.50	22.97	23.44	23.91
	AMPS	46.88	93.75	93.75	46.88	46.88	93.75	93.75	93.75	106.25	53.13	100.00	100.00	100.00	100.00
K1XGF16-2 (SB16N2F)	KVA	7.52	14.71	14.88	14.73	15.23	28.67	29.33	30.00	16.88	15.00	30.00	30.62	31.25	31.87
	AMPS	62.50	125.00	125.00	62.50	62.50	125.00	125.00	125.00	141.67	70.83	133.33	133.33	133.33	133.33
K1XGF16-3 (SB16N3F)	KVA	11.28	21.25	22.31	22.10	22.84	43.00	44.00	45.00	25.31	22.50	45.00	45.94	46.87	47.81
	AMPS	93.75	187.50	187.50	93.75	93.75	187.50	187.50	187.50	212.50	106.25	200.00	200.00	200.00	200.00
K1XLF16-5 (SB16N5F)	KVA	18.80	35.42	37.19	36.83	38.07	71.67	73.33	75.00	42.19	37.50	75.00	76.56	78.12	79.69
	AMPS	156.25	312.50	312.50	156.25	156.25	312.50	312.50	312.50	354.17	177.08	333.33	333.33	333.33	333.33
*DIAGRAM		B	A	A	D	D	C	C	C	A	D	C	C	C	C

Three-Phase

TABLE IV

Catalog Number (Previous P/N in Parenthesis)	Line Voltage	BOOSTING					BUCKING					
		183Y/106	208Y/120	195	208	225	240	245	250	256	265	272
		Load Voltage	208Y/120	236Y/136	208	236	240	208	230	234	240	234
K1XGF16-.050 (SB16N.050F)	KVA	1.12	1.28	1.13	0.64	1.30	0.56	1.33	1.35	1.39	0.72	0.74
	AMPS	3.13	3.13	3.12	1.56	3.12	1.56	3.33	3.33	3.33	1.77	1.77
K1XGF16-.100 (SB16N.100F)	KVA	2.25	2.55	2.25	1.28	2.60	1.13	2.65	2.71	2.77	1.43	1.47
	AMPS	6.25	6.25	6.25	3.13	6.25	3.13	6.67	6.67	6.67	3.54	3.54
K1XGF16-.150 (SB16N.150F)	KVA	3.37	3.83	3.38	1.91	3.90	1.69	3.98	4.06	4.16	2.15	2.21
	AMPS	9.38	9.38	9.37	4.69	9.37	4.69	10.00	10.00	10.00	5.31	5.31
K1XGF16-.250 (SB16N.250F)	KVA	5.61	6.38	5.63	3.19	6.50	2.81	6.63	6.77	6.93	3.59	3.68
	AMPS	15.63	15.62	15.62	7.81	15.62	7.81	16.67	16.67	16.67	8.85	8.85
K1XGF16-.500 (SB16N.500F)	KVA	11.23	12.76	11.26	6.38	12.99	5.63	13.26	13.53	13.86	7.17	7.36
	AMPS	31.25	31.25	31.25	15.63	31.25	15.63	33.33	33.33	33.33	17.71	17.71
K1XGF16-.750 (SB16N.750F)	KVA	16.84	19.14	16.89	9.58	19.49	8.44	19.89	20.30	20.78	10.76	11.04
	1AMPS	46.88	46.88	46.87	23.44	46.87	23.44	50.00	50.00	50.00	26.56	26.56
K1XGF16-1 (SB16N1F)	KVA	22.45	25.52	22.52	12.76	25.98	11.26	26.52	27.06	27.71	14.34	14.72
	AMPS	62.50	62.50	62.50	31.25	62.50	31.25	66.67	66.67	66.67	35.42	35.42
K1XGF16-1.5 (SB16N1.5F)	KVA	33.68	38.28	33.77	19.14	38.97	16.89	39.78	40.59	41.57	21.52	22.08
	AMPS	93.75	93.75	93.75	46.88	93.75	46.88	100.00	100.00	100.00	53.13	53.13
K1XGF16-2 (SB16N2F)	KVA	44.90	51.04	45.03	25.52	51.96	22.52	53.04	54.13	55.43	28.69	29.44
	AMPS	125.00	125.00	125.00	62.50	125.00	62.50	133.33	133.33	133.33	70.83	70.83
K1XGF16-3 (SB16N3F)	KVA	67.36	76.56	67.55	38.28	77.94	33.77	79.57	81.19	83.14	43.03	44.17
	AMPS	187.50	187.50	187.50	93.75	187.50	93.75	200.00	200.00	200.00	106.25	106.25
K1XLF16-5 (SB16N5F)	KVA	112.26	127.59	112.58	63.80	129.90	56.29	132.61	135.32	138.56	71.72	73.61
	AMPS	312.50	312.50	312.50	156.25	312.50	156.25	333.33	333.33	333.33	177.08	177.08
No. of Transformers		3	3	2	2	2	2	2	2	2	2	2
*DIAGRAM		F	F	H	G	H	L	H	H	H	G	G

Output voltage for lower input voltage can be found by: $\frac{\text{Rated Output Voltage}}{\text{Rated Input Voltage}} \times \text{Input Actual Voltage} = \text{Output New Voltage}$.

Output KVA available at reduced input voltage can be found by: $\frac{\text{Actual Input Voltage}}{\text{Rated Input Voltage}} \times \text{Output KVA} = \text{New KVA Rating}$.