3 - Phase
0.8 POWER FACTOR (LAG)

KVA/KW AMP CHART

400 Hertz
COMMON VOLTAGE RATINGS

KVA	KW	AMPS PER TERMINAL							
		L-L L-N	115V ---	200V 115V	204V 118	208V 120	400V 230	440V ---	450V ---
3	2.4	15		8.7	8.5	8.3	4.3	4.6	3.9
6	4.9	30		17.3	17	16.7	8.7	7.9	7.7
10	8	50		29	28	28	14	13	13
12	9.6	60		35	34	33	17	16	15
15	12	75		43	42	42	22	20	19
18	14	90		52	51	50	26	24	23
20	16	100		58	57	56	29	26	25
26	21	131		75	74	72	38	34	33
30	24	151		87	85	83	43	39	38
39	31	196		113	110	108	56	51	50
45	36	226		130	127	125	65	59	58
52	42	261		150	147	144	75	68	67
60	48	301		173	170	167	87	79	77
75	60	377		217	213	208	108	99	96
90	72	452		260	255	250	130	118	116
120	96	603		347	340	333	173	158	154
125	100	628		361	354	347	181	164	161
150	120	754		434	425	417	217	197	193
200	160	1005		578	567	556	289	263	257

Chart Notes:

- L-L and L-N identifies voltage levels as measured from Line to Line or Line to Neutral respectively.
- Power Factor PF = KW / KVA, and is the ratio of True Power to Apparent Power.
- Power Factor Rating: Amps shown above are at 0.8PF rating. Actual load PF may differ.
- Abbreviations: KVA : Kilo Volt Amperes; KW: Kilowatts; PF: Power Factor; L-L: Line to Line; L-N: Line to Neutral

Chart Instructions:

Find KVA & KW Rating

To find the KVA or KW rating (at 0.8PF) for your application, select the 400HZ three phase L-L (line to line) voltage level being utilized. Scan down this column to the current needed for your application (select the next higher current rating for more margin). Scan the row to the left and find the KVA and KW rating needed.

Find Current Rating

To find the phase current rating if the 400HZ load KW or KVA is known, select the known KVA or KW rating on the chart above. Scan across the row to the right until the three phase L-L (line to line) voltage being utilized column is reached.

Useful Electrical Formulas

$$KVA = \frac{Volts \times Amps \times 1.732}{1{,}000}$$

$$KW = KVA \times Power\ Factor\ (PF)$$

$$Amps\ (When\ KVA\ is\ Known) = \frac{KVA \times 1{,}000}{Volts \times 1.732}$$

$$Amps\ (When\ KW\ is\ Known) = \frac{KW \times 1{,}000}{Volts \times Power\ Factor\ (PF) \times 1.732}$$

Disclaimer: The content herein is provided for informational purposes only. For technical assistance with your specific 50HZ needs, contact AP&C application engineers.

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