



TECHNICAL NOTE #: TN_VFD_GP1009-G
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GP10/VG10 Input Current Ratings

This document lists the rated input currents for Saftronics GP10/VG10 series of Variable Frequency Controls with a 3% AC Line Reactor, DC Reactor or no reactor installed. All stand alone units, 100 horsepower and below, come from the factory no reactor installed. Therefore, the nameplate input current on the GP10/VG10's will be the highest current tabulated below. Factory or field installation of a 3% AC Line Reactor or DC Reactor will lower the rated input current to the values listed in the tables.

GP10/VG10 230V			
Drive Hp Rating	Drive Rated Input Current w/o ACR or DCR	Drive Rated Input Current with 3% ACR	Drive Rated Input Current with DCR
0.25	1.8	1.0	1.0
0.5	3	1.7	1.5
1	5	2.8	2.7
2	8.6	5.3	4.9
3	12	7.6	7.2
5	19	13	12
7.5	27	18	17
10	37	24	24
15	53	35	35
20	70	48	47
25	84	59	57
30	97	69	69
40	131	97	96
50	162	123	120
60	192	148	144
75	243	187	180
100	-	-	229
125	-	-	285
150	-	-	343

GP10/VG10 460V			
Drive Hp Rating	Drive Rated Input Current w/o ACR or DCR	Drive Rated Input Current with 3% ACR	Drive Rated Input Current with DCR
0.5	1.6	0.9	0.9
1	2.9	1.4	1.4
2	4.8	2.6	2.5
3	6.8	3.7	3.7
5	11	6.4	6.1
7.5	14	8.8	8.8
10	19	12	12
15	27	18	17
20	36	24	23
25	43	30	29
30	50	35	34
40	66	49	46
50	82	61	58
60	97	72	72
75	123	91	87
100	-	-	115
125	-	-	143
150	-	-	172
200	-	-	224
250	-	-	281
300	-	-	334
350	-	-	391
400	-	-	446
450	-	-	502
500	-	-	558
600	-	-	668
700	-	-	771
800	-	-	880