

Altivar™ 212 Variable Speed Drives ATV212H.....S2 Ratings

The Altivar 212H.....S2 ratings were obtained by mounting the drive directly in a conditioned air stream with a minimum of 2500 CFM and limiting the maximum ambient temperature to 30 °C. Consult the Altivar 212 installation manual, S1A53832, for other installation details.

									Containment Short Circuit Current Ratings ¹			
									with GV2P Starter		with Fuses	
3-phase Input Voltage, 60 Hz	Catalog Number	Max. Input Current	Max. Output Current	Max. Transient Current for 60 sec.	Power Dissipation at Max. Output Current	Wire Size per UL Table ²	Max. Wire Size	Output Interrupt Rating	GV2P Type E ³	SCCR ⁴	Fuse 600 V Class J ⁵	SCCR ⁴
									GAIC	kA	A	kA
200/208	ATV212H075M3XS2	3.7	5.2	5.7	67	14	10	100	GV2P10	22	10	100
	ATV212HU15M3XS2	6.9	8.6	9.2	112	14	10	100	GV2P14	22	15	100
	ATV212HU22M3XS2	9.9	12.1	13.1	133	12	10	100	GV2P16	22	30	100
	ATV212HU30M3XS2	13.5	15.6	16.9	166	12	10	100	GV2P20	22	35	100
	ATV212HU40M3XS2	18.0	20.0	21.5	223	10	10	100	GV2P20	22	35	100
	ATV212HU55M3XS2	23.5	27.6	29.8	286	8	6	100	GV2P22	22	50	100
	ATV212HU75M3XS2	31.6	36.5	39.4	405	8	6	100	GV2P32	22	60	100
	ATV212HD11M3XS2	47.7	52.7	56.9	514	4	3	100	GV2P50	22	100	100
230/240	ATV212H075M3XS2	3.1	5.2	5.7	70	14	10	100	GV2P10	22	10	100
	ATV212HU15M3XS2	5.7	8.6	9.2	115	14	10	100	GV2P14	22	15	100
	ATV212HU22M3XS2	8.2	12.1	13.1	135	12	10	100	GV2P16	22	30	100
	ATV212HU30M3XS2	11.3	15.6	16.9	165	12	10	100	GV2P20	22	35	100
	ATV212HU40M3XS2	14.7	20.0	21.5	220	10	10	100	GV2P20	22	35	100
	ATV212HU55M3XS2	19.6	27.6	29.8	283	8	6	100	GV2P22	22	45	100
	ATV212HU75M3XS2	26.4	36.5	39.4	396	8	6	100	GV2P32	22	60	100
	ATV212HD11M3XS2	38.7	52.7	56.9	521	4	3	100	GV2P50	22	90	100
380/400	ATV212H075N4S2	1.9	2.5	2.7	54	20	10	100	GV2P07	22	5	100
	ATV212HU15N4S2	3.6	4.2	4.6	79	18	10	100	GV2P08	22	7.5	100
	ATV212HU22N4S2	5.2	5.8	6.3	103	16	10	100	GV2P10	22	10	100
	ATV212HU30N4S2	7.0	8.2	8.9	149	14	10	100	GV2P14	22	15	100
	ATV212HU40N4S2	9.1	10.4	11.2	194	14	10	100	GV2P14	22	15	100
	ATV212HU55N4S2	12.3	13.7	14.8	235	12	10	100	GV2P16	22	20	100
	ATV212HU75N4S2	16.6	18.2	19.7	321	10	6	100	GV2P20	22	30	100
	ATV212HD11N4S2	23.9	25.7	27.7	467	8	6	100	GV2P21	22	45	100
460/480	ATV212H075N4S2	1.6	2.5	2.7	59	20	10	100	GV2P07	22	5	100
	ATV212HU15N4S2	2.9	4.2	4.6	85	18	10	100	GV2P08	22	7.5	100
	ATV212HU22N4S2	4.1	5.8	6.3	112	16	10	100	GV2P10	22	10	100
	ATV212HU30N4S2	5.6	8.2	8.9	154	14	10	100	GV2P14	22	15	100
	ATV212HU40N4S2	7.3	10.4	11.2	200	14	10	100	GV2P14	22	15	100
	ATV212HU55N4S2	9.8	13.7	14.8	244	12	10	100	GV2P16	22	20	100
	ATV212HU75N4S2	13.2	18.2	19.7	331	10	6	100	GV2P20	22	30	100
	ATV212HD11N4S2	19.0	25.7	27.7	487	8	6	100	GV2P21	22	45	100

¹ The Altivar 212 drive has a 100k SCC rating on the output of the drive, the same as many other drives. In addition to providing a rating based on shorting the output of the drive, these short circuit rating are obtained by testing the weakest point internal to the Altivar 212 drive. These ratings allow proper coordination of short circuit protection. The ampere rating of the short circuit protection devices in the table are maximum values. Smaller ampere sizes may be used.

² Wire tightening torque = 1.3 N•m (10.7 lb-in) for 20–10 AWG wire, 2.5 N•m (22.3 lb-in) for 8–6 AWG wire, 4.5 N•m (40.1 lb-in) for 4–3 AWG wire.

³ 480 V ratings are for Wye connected electrical distribution systems; GV2Pxx self-protected manual combination starter must be used with GV2GH7 insulating barrier to meet UL 508 Type E rating

⁴ Ratings also apply to Altivar 212 Type 1 drives, such as an Altivar 212 drive fitted with a conduit box.

⁵ Fuse type can be fast acting, time delay, or Class CC.

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