

# ANNEX for ATV212

## Quick Start Guide



S1A7347602

### Short Circuit Current Ratings (SCCR) and branch circuit protection

Recommended fuse ratings for UL and CSA requirements.

Components for use together in accordance with standard UL508C (UL file E116875, CSA file 224330).

ATV212 AC Drive					Containment Short Circuit Current Rating <sup>1</sup>						
Input Voltage 60 Hz Y	(kW)	(HP)	Reference	Output interrupt Rating (kAIC)	With Circuit Breaker			With GVxP		With Fuses	
					Reference	SCCR (kA) <sup>2</sup> X	SCCR (kA) <sup>3</sup> X	GV2P/3P Type E <sup>4</sup>	SCCR (kA) <sup>2,3</sup>	Fuses(A) 600 V class J <sup>5</sup> Z1, Z2	SCCR (kA) <sup>2,3</sup>
208V, 3 phase	0.75	1	ATV212HO75M3X	100	HDL36015	22	22	GV2P10	22	10	100
	1.5	2	ATV212HU15M3X	100	HDL36015	22	22	GV2P14	22	15	100
	2.2	3	ATV212HU22M3X	100	HDL36020	22	22	GV2P16	22	30	100
	3	4	ATV212HU30M3X	100	HDL36030	22	22	GV2P20	22	35	100
	4	5	ATV212HU40M3X	100	HDL36040	22	22	GV2P20	22	35	100
	5.5	7.5	ATV212HU55M3X	100	HDL36050	22	22	GV2P22	22	50	100
	7.5	10	ATV212HU75M3X	100	HDL36070	22	22	GV2P32	22	60	100
	11	15	ATV212HD11M3X	100	HDL36100	22	22	GV3P50	22	100	100
	15	20	ATV212HD15M3X	100	HDL36125	22	22	GV3P65	22	125	100
	18.5	25	ATV212HD18M3X	100	JDL36175	22	22	-	-	150	100
22	30	ATV212HD22M3X	100	JDL36200	22	22	-	-	175	100	
30	40	ATV212HD30M3X	100	JDL36250	22	22	-	-	200	100	
230V, 3 phase	0.75	1	ATV212HO75M3X	100	HDL36015	22	22	GV2P10	22	10	100
	1.5	2	ATV212HU15M3X	100	HDL36015	22	22	GV2P10	22	15	100
	2.2	3	ATV212HU22M3X	100	HDL36020	22	22	GV2P14	22	30	100
	3	4	ATV212HU30M3X	100	HDL36030	22	22	GV2P20	22	35	100
	4	5	ATV212HU40M3X	100	HDL36035	22	22	GV2P20	22	35	100
	5.5	7.5	ATV212HU55M3X	100	HDL36045	22	22	GV2P21	22	45	100
	7.5	10	ATV212HU75M3X	100	HDL36060	22	22	GV2P32	22	60	100
	11	15	ATV212HD11M3X	100	HDL36090	22	22	GV3P40	22	90	100
	15	20	ATV212HD15M3X	100	HDL36125	22	22	GV3P50	22	110	100
	18.5	25	ATV212HD18M3X	100	HDL36150	22	22	-	-	150	100
22	30	ATV212HD22M3X	100	JDL36175	22	22	-	-	175	100	
30	40	ATV212HD30M3X	100	JDL36225	22	22	-	-	200	100	
480V, 3 phase	0.75	1	ATV212HO75N4	100	HDL36015	-	22	GV2P07	22	5	100
	1.5	2	ATV212HU15N4	100	HDL36015	-	22	GV2P08	22	7.5	100
	2.2	3	ATV212HU22N4	100	HDL36015	-	22	GV2P10	22	10	100
	3	4	ATV212HU30N4	100	HDL36020	-	22	GV2P14	22	15	100
	4	5	ATV212HU40N4	100	HDL36020	-	22	GV2P14	22	15	100
	5.5	7.5	ATV212HU55N4	100	HDL36025	-	22	GV2P16	22	20	100
	7.5	10	ATV212HU75N4	100	HDL36030	-	22	GV2P20	22	30	100
	11	15	ATV212HD11N4	100	HDL36045	-	22	GV2P21	22	45	100
	15	20	ATV212HD15N4	100	HDL36060	10	22	GV2P22	22	60	100
	18.5	25	ATV212HD18N4	100	HDL36070	10	22	GV2P32	22	80	100
	22	30	ATV212HD22N4S	100	HDL36090	10	22	GV3P40	22	90	100
	22	30	ATV212HD22N4	100	HDL36090	-	22	-	-	90	100
	30	40	ATV212HD30N4	100	HDL36125	-	22	-	-	110	100
	37	50	ATV212HD37N4	100	HDL36125	10	10	-	-	125	100
45	60	ATV212HD45N4	100	HDL36150	10	10	-	-	150	100	
55	75	ATV212HD55N4	100	JDL36175	10	10	-	-	200	100	
75	100	ATV212HD75N4	100	JDL36225	10	10	-	-	250	100	

Suitable for use on a circuit capable of delivering not more than \_\_\_X\_\_\_rms symmetrical kiloAmperes, \_\_\_Y\_\_\_ Volts maximum, when protected by \_\_\_Z1\_\_\_ with a maximum rating of \_\_\_Z2\_\_\_.

<sup>1</sup> The Altivar 212 has a 100k SCC rating on the output of the drive as many other drives are rated. In addition to providing a rating based on shorting the output of the drive, these short circuit rating have been obtained by testing the weakest point internal to the ATV212 per UL508C. These ratings allow proper coordination of short circuit protection. The amp rating of the short circuit protection devices in the table are maximum values. Smaller amp sizes may be used.

<sup>2</sup> Ratings also apply to ATV212 Type 1 product, ie: an ATV212 fitted with a conduit box.

<sup>3</sup> Ratings apply to an ATV212 mounted in a non-ventilated Type 1, 3R, 4(X) or 12 rated enclosure. Minimum enclosure volume is 3.375 times the drive volume.

<sup>4</sup> 480 V ratings are for Wye connected electrical distribution systems. GV2P●● self protected manual combination starter must be used with GV2GH7 insulating barrier to meet UL 508 Type E rating

<sup>5</sup> Fuse type can be fast acting or time delay, or Class CC.