

APPENDIX A—RENEWABLE PARTS

Table 1: 460 V Renewable Parts

Description	Qty	1-7.5 hp	Qty	10-25 hp	Qty	30-50 hp	Qty	60-100 hp
Power Converter ¹	1	ATV61H075N4 (1 hp) ATV61H075N4 (2 hp) ATV61HU15N4 (3 hp) ATV61HU30N4 (5 hp) ATV61HU40N4 (7.5 hp)	1	ATV61HU55N4 (10 hp) ATV61HU75N4 (15 hp) ATV61HD11N4 (20 hp) ATV61HD15N4 (25 hp)	1	ATV61HD18N4 (30 hp) ATV61HD22N4 (40 hp) ATV61HD30N4 (50 hp)	1	ATV61HD37N4 (60 hp) ATV61HD45N4 (75 hp) ATV61HD55N4 (100 hp)
Graphic Display	1	VW3A1101	1	VW3A1101	1	VW3A1101	1	VW3A1101
Control Fuses Primary	2	25430–20100 (1A, 100 VA) 25430–20161 (1-6/10 A, 150 VA) 25430–20350 (3-1/2 A, 350 VA)	2	25430–20100 (1A, 100 VA) 25430–20161 (1-6/10 A, 150 VA) 25430–20350 (3-1/2 A, 350 VA)	2	25430–20100 (1A, 100 VA) 25430–20161 (1-6/10 A, 150 VA) 25430–20350 (3-1/2 A, 350 VA)	2	25430–20100 (1A, 100 VA) 25430–20161 (1-6/10 A, 150 VA) 25430–20350 (3-1/2 A, 350 VA)
Control Fuses Secondary	1	25430–20140 (1-4/10 A, 100 VA) 25430–20200 (2 A, 150 VA) 25430–20500 (5 A, 350 VA)	1	25430–20140 (1-4/10 A, 100 VA) 25430–20200 (2 A, 150 VA) 25430–20500 (5 A, 350 VA)	1	25430–20140 (1-4/10 A, 100 VA) 25430–20200 (2 A, 150 VA) 25430–20500 (5 A, 350 VA)	1	25430–20140 (1-4/10 A, 100 VA) 25430–20200 (2 A, 150 VA) 25430–20500 (5 A, 350 VA)
Pilot Light Red ²	1	LED 25501-00003 Head ZB5AV04	1	LED 25501-00003 Head ZB5AV04	1	LED 25501-00003 Head ZB5AV04	1	LED 25501-00003 Head ZB5AV04
Pilot Light Yellow ²	1	LED 25501-00004 Head ZB5AV05	1	LED 25501-00004 Head ZB5AV05	1	LED 25501-00004 Head ZB5AV05	1	LED 25501-00004 Head ZB5AV05
Pilot Light Green ²	1	LED 25501-00005 Head ZB5AV03	1	LED 25501-00005 Head ZB5AV03	1	LED 25501-00005 Head ZB5AV03	1	LED 25501-00005 Head ZB5AV03
Pilot Light Mounting Collar w/ Light Module	1	ZB5AV6	1	ZB5AV6	1	ZB5AV6	1	ZB5AV6
I/O Extension Card ³	1	VW3A3202	1	VW3A3202	1	VW3A3202	1	VW3A3202
LonWorks® Card ³	1	VW3A3312	1	VW3A3312	1	VW3A3312	1	VW3A3312
Modbus® ³	1	VW3A3303	1	VW3A3303	1	VW3A3303	1	VW3A3303
Metasys® N2 ³	1	VW3A3313	1	VW3A3313	1	VW3A3313	1	VW3A3313
24 Vdc supply	1	ABL7CEM24003	1	ABL7CEM24003	1	ABL7CEM24003	1	ABL7CEM24003
3R Hood Filter Material	2	31158-441-01	2	31158-441-01	2	31158-441-01	2	31158-441-01
3R Space Heater	1	29904-00027	1	29904-00027	1	29904-00027	1	29904-00027
3R Ventilation Fan	1	26016-00006 29904-09300	1	26016-00006	1	26016-00006	1	26016-00006
Stirring Fan Assembly	1	N/A	1 2	31158-065-50	1	31158-065-50	2	31158-065-50
Heatsink Fans	1	VZ3V1203 (1-3 hp) VZ3V1209 (5, 7.5 hp)	1	VZ3V1204 (10, 15 hp) VZ3V1210 (20 hp) VZ3V1205 (25 hp)	1	VZ3V1205 (30 hp) VZ3V1211 (40 hp) VZ3V1206 (50 hp)	1	VZ3V1206 (60 hp) VZ3V1208 (70, 105 hp)
Profibus Card ³	1	VW3A3307	1	VW3A3307	1	VW3A3307	1	VW3A3307
Ethernet Card ³	1	VW3A3310D	1	VW3A3310D	1	VW3A3310D	1	VW3A3310D
Apogee™ P1 Card ³	1	VW3A3314	1	VW3A3314	1	VW3A3314	1	VW3A3314
BACnet Card ³	1	VW3A3315	1	VW3A3315	1	VW3A3315	1	VW3A3315

¹ The first five characters of the power converter part number may be "ATV61," indicating an IP20 device, or "HTV61," indicating an IP00 device.

² Long life 120 V LED type bulbs (100,000 hours) are provided as standard hardware from the factory. An alternative to the LEDs are incandescent bulbs (2,000 hours). Part number DL1CE130, Type BA9 rated 120–130 V, 2.4 W, is available as an interchangeable part.

³ Field replacement of the option board will reset the power converter to the factory default settings. The user must configure the controller per the elementary diagram with or without bypass starting on page 46.

Table 2: 208/230 V Renewable Parts

Description	Qty	1-3 hp	Qty	5-10 hp	Qty	15-25 hp	Qty	30-50 hp
Power Converter ¹	1	ATV61H075M3 (1 hp) ATV61HU15M3 (2 hp) ATV61HU15M3 (3 hp)	1	ATV61HU30M3 (5 hp) ATV61HU40M3 (7.5 hp) ATV61HU55M3 (10 hp)	1	ATV61HU75M3 (15 hp) ATV61HD11M3X (20 hp) ATV61HD15M3X (25 hp)	1	ATV61HD18M3X (30 hp) ATV61HD22M3X (40 hp) ATV61HD30M3X (50 hp)
Graphic Display	1	VW3A1101	1	VW3A1101	1	VW3A1101	1	VW3A1101
Control Fuses Primary 208 V	2	25430-20225 (100 VA, 2-1/4 A) 25430-20350 (150 VA, 3-1/2 A) 25430-20800 (350 VA, 8 A)	2	25430-20225 (100 VA, 2-1/4 A) 25430-20350 (150 VA, 3-1/2 A) 25430-20800 (350 VA, 8 A)	2	25430-20225 (100 VA, 2-1/4 A) 25430-20350 (150 VA, 3-1/2 A) 25430-20800 (350 VA, 8 A)	2	25430-20225 (100 VA, 2-1/4 A) 25430-20350 (150 VA, 3-1/2 A) 25430-20800 (350 VA, 8 A)
230 V	2	25430-20200 (100 VA, 2 A) 25430-20321 (150 VA, 3-2/10 A) 25430-20750 (350 VA, 7-1/2 A)	2	25430-20200 (100 VA, 2 A) 25430-20321 (150 VA, 3-2/10 A) 25430-20750 (350 VA, 7-1/2 A)	2	25430-20200 (100 VA, 2 A) 25430-20321 (150 VA, 3-2/10 A) 25430-20750 (350 VA, 7-1/2 A)	2	25430-20200 (100 VA, 2 A) 25430-20321 (150 VA, 3-2/10 A) 25430-20750 (350 VA, 7-1/2 A)
Control Fuses Secondary 208 V	1	25430-20140 (100 VA, 1-4/10 A) 25430-20200 (150 VA, 2 A) 25430-20500 (350 VA, 5 A)	1	25430-20140 (100 VA, 1-4/10 A) 25430-20200 (150 VA, 2 A) 25430-20500 (350 VA, 5 A)	1	25430-20140 (100 VA, 1-4/10 A) 25430-20200 (150 VA, 2 A) 25430-20500 (350 VA, 5 A)	1	25430-20140 (100 VA, 1-4/10 A) 25430-20200 (150 VA, 2 A) 25430-20500 (350 VA, 5 A)
230 V	1	25430-20140 (100 VA, 1-4/10 A) 25430-20200 (150 VA, 2 A) 25430-20500 (350 VA, 5A)	1	25430-20140 (100 VA, 1-4/10 A) 25430-20200 (150 VA, 2 A) 25430-20500 (350 VA, 5A)	1	25430-20140 (100 VA, 1-4/10 A) 25430-20200 (150 VA, 2 A) 25430-20500 (350 VA, 5A)	1	25430-20140 (100 VA, 1-4/10 A) 25430-20200 (150 VA, 2 A) 25430-20500 (350 VA, 5A)
Pilot Light Red ²	1	LED 25501-00003 Head ZB5AV04	1	LED 25501-00003 Head ZB5AV04	1	LED 25501-00003 Head ZB5AV04	1	LED 25501-00003 Head ZB5AV04
Pilot Light Yellow ²	1	LED 25501-00004 Head ZB5AV05	1	LED 25501-00004 Head ZB5AV05	1	LED 25501-00004 Head ZB5AV05	1	LED 25501-00004 Head ZB5AV05
Pilot Light Green ²	1	LED 25501-00005 Head ZB5AV03	1	LED 25501-00005 Head ZB5AV03	1	LED 25501-00005 Head ZB5AV03	1	LED 25501-00005 Head ZB5AV03
Pilot Light Mounting Collar w/ Light Module	1	ZB5AV6	1	ZB5AV6	1	ZB5AV6	1	ZB5AV6
I/O Extension Board ³	1	VW3A3202	1	VW3A3202	1	VW3A3202	1	VW3A3202
LonWorks® Card ³	1	VW3A3312	1	VW3A3312	1	VW3A3312	1	VW3A3312
Modbus® ³	1	VW3A3303	1	VW3A3303	1	VW3A3303	1	VW3A3303
Metasys® N2 ³	1	VW3A3313	1	VW3A3313	1	VW3A3313	1	VW3A3313
24 Vdc supply	1	ABL7CEM24003	1	ABL7CEM24003	1	ABL7CEM24003	1	ABL7CEM24003
3R Hood Filter Material	2	31158-441-01	2	31158-441-01	2	31158-441-01	2	31158-441-01
3R Space Heater	1	29904-00027	1	29904-00027	1	29904-00027	1	29904-00027
3R Ventilation Fan	1	26016-00006	1	26016-00006	1	26016-00006	1	26016-00006
Stirring Fan Assembly	1	N/A	1	31158-065-50	1	31158-065-50 31158-295-50	2	31158-065-50
Heatsink Fans	1	VZ3V1203	1	VZ3V1209 (5, 7.5 hp) VZ3V1204 (10 hp)	1	VZ3V1210 (15 hp) VZ3V1205 (20, 25 hp)	1	VZ3V1211 (30, 40 hp) VZ3V1207 (50 hp)
Profibus Card ³	1	VW3A3307	1	VW3A3307	1	VW3A3307	1	VW3A3307
Ethernet Card ³	1	VW3A3310D	1	VW3A3310D	1	VW3A3310D	1	VW3A3310D
Apogee™ P1 Card ³	1	VW3A3314	1	VW3A3314	1	VW3A3314	1	VW3A3314
BACnet Card ³	1	VW3A3315	1	VW3A3315	1	VW3A3315	1	VW3A3315

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