



**SSI Shredding Systems, Inc.**  
 9760 S.W. Freeman Dr.  
 Wilsonville, OR 97070

**Electric Controls Specification (page 1)**

<b>Project data</b>			
<b>Supply Voltage</b>	<b>460 Volts</b>	<b>Customer</b>	<b>Anvil29</b>
<b>Supply Frequency</b>	<b>60 Hz</b>	<b>Model number</b>	<b>5000ED</b>
<b>Control Voltage</b>	<b>24 VDC</b>	<b>Serial number</b>	<b>S0732</b>
<b>Date</b>	<b>01/06/21</b>	<b>SSI Job number</b>	<b>-</b>

<b>Control Panel information</b>	<b>Motor Starter Panel Information</b>																																
<p><b>Electronics</b></p> <table> <tr><td>Programmable controller</td><td>Siemens Remote I/O</td></tr> <tr><td>Touch screen</td><td>Siemens 12" Comfort</td></tr> <tr><td>Communications</td><td>mGuard</td></tr> <tr><td>Radio remote</td><td>none</td></tr> </table> <p><b>Control Power</b></p> <table> <tr><td>Control Voltage</td><td>24 VDC</td></tr> <tr><td>Supply Device</td><td>Power supply</td></tr> <tr><td>Power Derived from</td><td>Mains voltage</td></tr> </table> <p><b>Panel Certifications</b></p> <table> <tr><td>Construction</td><td>UL-508A / CUL</td></tr> <tr><td>Short Circuit Current Rating</td><td>See below</td></tr> </table> <p><b>Panel Information (see page 2)</b></p>	Programmable controller	Siemens Remote I/O	Touch screen	Siemens 12" Comfort	Communications	mGuard	Radio remote	none	Control Voltage	24 VDC	Supply Device	Power supply	Power Derived from	Mains voltage	Construction	UL-508A / CUL	Short Circuit Current Rating	See below	<p><b>Motors and feeders</b></p> <table> <tr><td>Mains Voltage</td><td>460 Volts</td></tr> <tr><td>Main motor horsepower</td><td>See below</td></tr> <tr><td>Calculated Panel FLA</td><td>See below Per UL-508</td></tr> <tr><td>Main Breaker / fuse Amps</td><td>See below</td></tr> <tr><td>Number of feeders</td><td>2</td></tr> </table> <p>Note: all motor power and control power are derived from the feeder(s) listed below.</p> <p><b>Panel Certifications</b></p> <table> <tr><td>Construction</td><td>UL-508A / CUL</td></tr> <tr><td>Short Circuit Current Rating</td><td>See below UL-508A / CUL</td></tr> </table> <p><b>Panel Information - see page 2</b></p>	Mains Voltage	460 Volts	Main motor horsepower	See below	Calculated Panel FLA	See below Per UL-508	Main Breaker / fuse Amps	See below	Number of feeders	2	Construction	UL-508A / CUL	Short Circuit Current Rating	See below UL-508A / CUL
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<b>Motor Circuits Provided</b>		<b>** FLA calculated per UL-508 using rated amps for energy conversion equipment and non-motor loads</b>					
<b>Feeder and Panel</b>	<b>Description</b>	<b>Horse power</b>	<b>KW</b>	<b>Breaker /Fuses</b>	<b>Motor Starter Type</b>	<b>FLA**</b>	<b>SCCR</b>
<b>A</b>	1 Electric Drive #1	200	(150 kW)	350	Smartdrive w/o brakes	257	65 kA
	2				None		
	3 Discharge Conv.	3	(2 kW)		Combination non-reversing		
	4 Crossbelt Mag.	0.75	(1 kW)		Combination non-reversing		
	5				None		
	6				None		
	7				None		
	8 Air Conditioner				Power Feed		
<b>B</b>	1 Electric Drive #2	200	(150 kW)	350	Smartdrive w/o brakes	249	65 kA
	2				None		
	3				None		
	4				None		
	5				None		
	6				None		
	7				None		
	8 Air Conditioner				Power Feed		
<b>C</b>	1				None	0	0 kA
	2				None		
	3				None		
	4				None		
	5				None		
	6				None		
	7				None		
	8				None		



**SSI Shredding Systems, Inc.**  
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**PRELIMINARY**

**Electric Controls Specification (page 2)**

<b>Project data</b>			
<b>Supply Voltage</b>	<b>460 Volts</b>	<b>Customer</b>	<b>Anvil29</b>
<b>Supply Frequency</b>	<b>60 Volts</b>	<b>Model number</b>	<b>5000ED</b>
<b>Control Voltage</b>	<b>24 VDC</b>	<b>Serial number</b>	<b>S0732</b>
<b>Date</b>	<b>01/06/21</b>	<b>SSI Job number</b>	<b>-</b>

<b>Control Panel information</b>			
Control Panel #1	CP1		
Control panel width	20 in	(500 mm)	
Control panel height	24 in	(600 mm)	
Control panel depth	8 in	(210 mm)	
Panel Enviromental Rating	Nema 4 / IP65		
<b>Motor Starter Panel information</b>			
Motor Starter Panel #1	MSP1		
Motor Starter panel height	87 in	(2200 mm)	
Motor Starter panel width *	47 in	(1200 mm)	
Motor Starter panel depth	24 in	(600 mm)	
Panel Enviromental Rating	Nema 12 / IP54		
Number of doors	2 door		
Motor Starter Panel #2	MSP2		
Motor Starter panel height	87 in	(2200 mm)	
Motor Starter panel width *	32 in	(800 mm)	
Motor Starter panel depth	24 in	(600 mm)	
Panel Enviromental Rating	Nema 12 / IP54		
Number of doors	1 door		
<p>* Does not include 24 in (600mm) clearance for Air Conditioner(s). See the panel layout in the electrical schematic for more details</p>			