



**Three Phase Controlled Rectifier**

**Features:**

- ◆ Dual Thyristor Modules.
- ◆ High Efficiency Heatsinks
- ◆ Forced Air Cooling, optional redundant cooling available
- ◆ RC Snubbers
- ◆ Thermostats
- ◆ Fully Integratable
- ◆ Optional Fusing
- ◆ Optional CT's
- ◆ Optional Firing board

**Typical Applications**

- ◆ DC Drives / Motor controls
- ◆ Field Excitation
- ◆ Regulated Power Supplies

**NOTE**

The information in this document is typical for the standard assembly. Contact the factory for information on additional details and options that are available upon request.

Electrical Characteristics					
Symbol	Details	min	typ	max	Unit
Idc	DC Continuous current (T ambient 40C)	200	450	600	A
Vac	AC Voltage (+/-10%)	208	480	600	Vac
Vdc	DC Bus Voltage	250	670	810	Vdc
OL	Overload Conditions (% Continuous Current)*	110	150	200	%OL

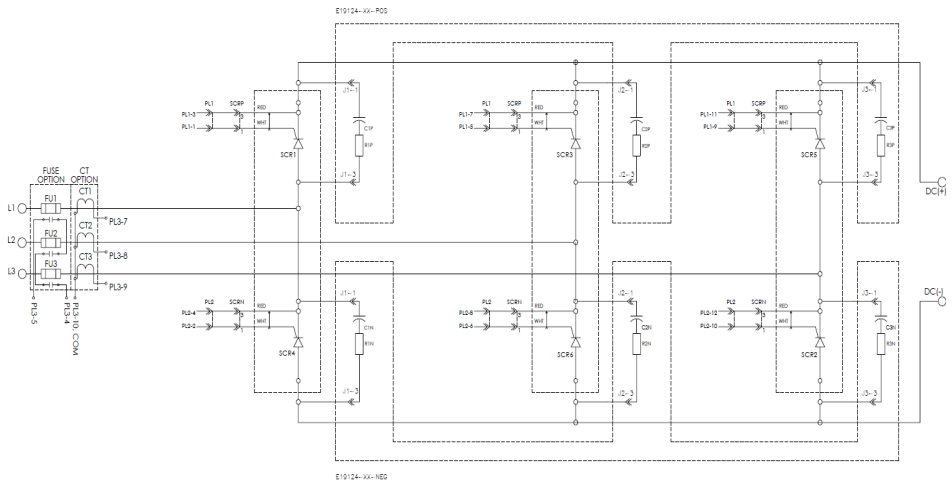
Mechanical Characteristics					
Symbol	Details	min	typ	max	Unit
Drawing	Darrah Drawing DRW-MB-FS1-GA-0				Dwg
Weight	Approx. total weight			85	Lbs
Altitude	Operation without de-rating above sea level			1000	Ft

Fan Data					
Symbol	Details	min	typ	max	Unit
Vfan	Fan Voltage	24*	115		V
Ffan	Fan Frequency		50/60		Hz
I fan	Fan Current	0.23*	0.21		A
Pfan	Fan Power	5.50	24		W

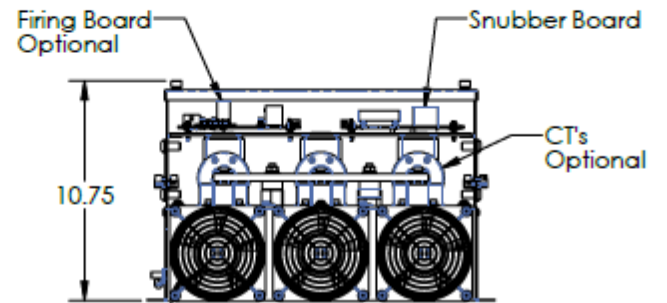
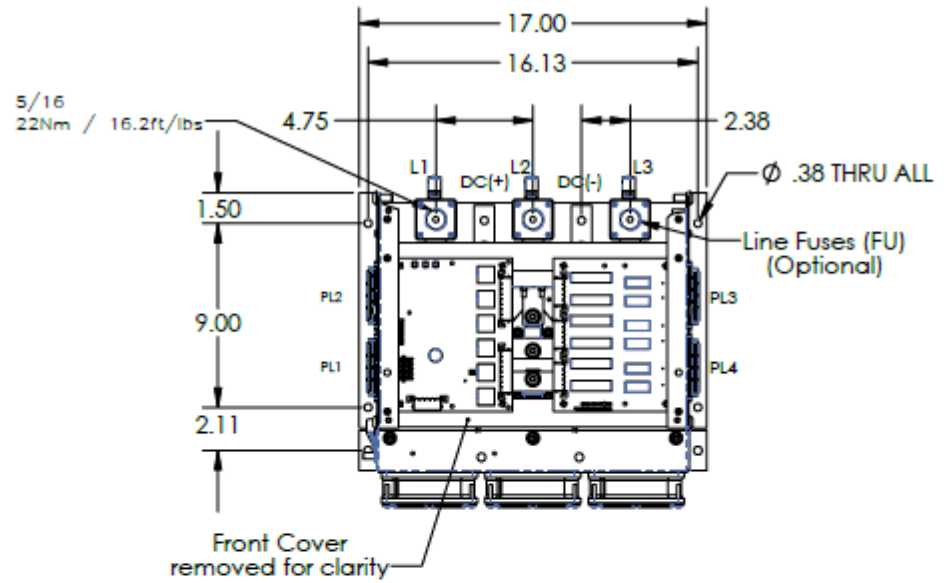
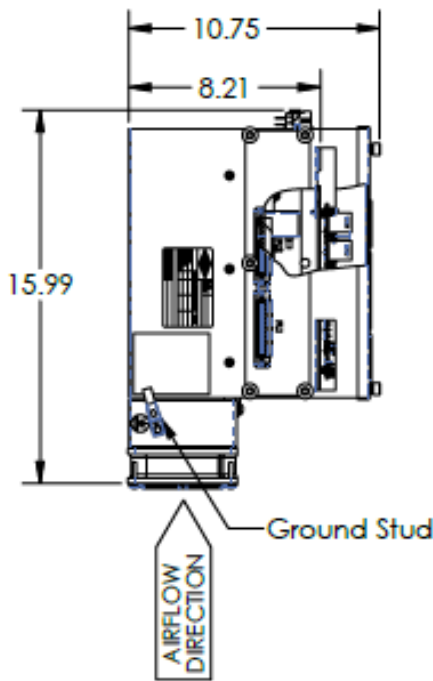
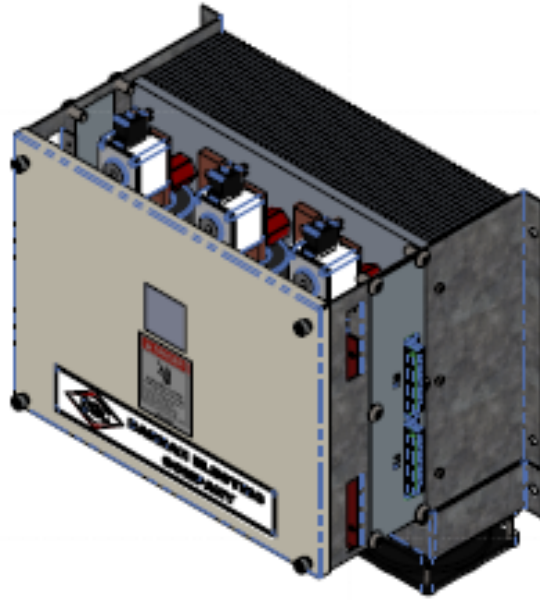
RC Snubber					
Symbol	Details	min	typ	max	Unit
R	1 Resistor in parallel with each Thyristor (25W)		50		VΩ
C	1 Capacitor in parallel with each Thyristor		0.15	0.22	μf

Thermostats					
Symbol	Details	min	typ	max	Unit
Tc	Thermostat	80	90	95	°C
Vtc	Thermostat voltage	30*	115	240	V
I tc	Thermostat current	1*	15	10	A
	Dielectric Strength for 1 min		1500		V

\* DC Voltage and Current ratings



Darrah Electric Co.  
 5914 Merrill Avenue  
 Cleveland  
 Ohio 44102  
 Phone: 216-631-0912  
 E-mail: sales@darrahelectric.com



115Vac fans  
Other Voltages available.

\*Shown With options



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