

PRODUCTS SERVICE COMPANY CONTACT

FH SERIES HIGH POWER LASERS

FH SERIES 7000/8000-WATT LASERS FROM PRC OFFER MAXIMUM POWER AND PERFORMANCE TO CUT AND WELD MATERIALS OF MAXIMUM THICKNESS. THESE SINGLE ENCLOSURE LASERS NOT ONLY PACK POWER, BUT HAVE THE MODE QUALITY AND STABILITY SUITABLE FOR RELIABLE THICK PLATE CUTTING WITH CONTINUOUS OPERATION 24/7.

FEATURES

Microprocessor based controls with built in diagnostic routines Unmatched pulsing performance Reliable and efficient DC Excitation Continuous operation capability 24-Hour technicalsupport

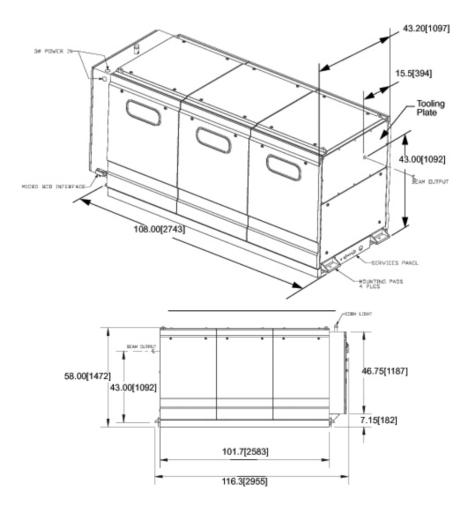


TOUCH SCREEN STATUS, CONTROL & DIAGNOSTIC PANEL

PRC's optional touchscreen control provides laser status information and fault displays.Additionally, the control offers automated test routines, input/output diagnostic information, maintenance logbook, and can control power and pulsing parameters for basic laser applications.

File Help		Laser Leg	pend			
Legend Misc Configuration Warmup Timer LogBooks Diagnose						
Current (mA) Pow	er1(W) Po	ower2(W)	Pressure(torr) Cool	ant(1/m)	State
82.5 40)39	0	97.	2 12	22.4	Low Flow
	/PS	VacuunPunp	Compressor	HighVoltage	Reset	Quick Restart
Gas(1/h)		Version 1.01				Warmup Cancel
50 1. fax	, T					Shutter Box
Val	0 Program Simmer					Dynamic LeakCheck
Frequency DutyCycl (Hz) (%)				Power High (%)	Power Low (%)	
		Laser On HVOn		99	•	
	BeamOn 1	Gated Pulse 1	Enhanced Pulse 1	Open Loop 1	99 +	
Ramp (4.95/X10s) 0.0	BeamOn 2	Gated Pulse 2	Enhanced Pulse 2	Open Loop 2	0	

PLAN VIEW



SPECIFICATIONS

	FH 7000	FH 8000				
Rated Power (CW)	7000 Watts	8000 Watts				
Peak Power (Pulse)	17500 Watts	19500 Watts				
Operating Costs	\$9.27/hr	\$9.69/hr				
Gas Consumption	25L/hr (China 50L/hr)	50L/hr				
Beam Mode	Q Mode	Q Mode				
Beam Quality (M^2)	3.0					
Heat Load	210,000 BTU/hr	239,000 BTU/hr				
Coolant Flow	40GPM / 152LPM					
Pulse Frequency						
Gated Pulse	CW - 5kHz					
Superpulse	CW - 1kHz					
Hyperpulse	CW -	1kHz				
Electrical						
Volts/Hertz	460V/60Hz, 420V/50/60Hz, 380V/50/60Hz					
KvA (@110% CW Power)	76.5	85.5				
Cut Capacity						
Steel	1.25" / 32mm					
Stainless Steel	1.25" / 32mm					
Aluminum	0.5" / 12mm					

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