

## MEDIUM POWER CO<sub>2</sub> LASER

### Model LASY-12 ♦ SPECIFICATIONS

Model	LASY-12	LASY-12P	LASY-12D
CW power	12	7 (average)	<b>Lasy-12D has features of both Lasy-12 and Lasy-12P when the appropriate DC power supplies are used.</b>
Peak power <sup>1</sup>	12	30	
M <sup>2</sup>	< 1.1	< 1.1	
Beam waist diameter	2.4 mm	2.4 mm	
Waist location	Output coupler	Output coupler	
Full Div. Angle	5.5 mrad	5.5 mrad	
Power stability <sup>1</sup>	±10%	±10%	
Wavelength (µm) <sup>1</sup>	Around 10.6	Around 10.6	
Rise time (µs) <sup>1</sup>	200	50	
Fall time (µs) <sup>1</sup>	200	80	
Electronic PWM parameters <sup>1</sup>	Any frequency up to 100 kHz, duty cycle 0-100%	Any frequency up to 100 kHz, duty cycle 0-30%, pulse length to 0.5 ms	
Supply Voltage	28 VDC	48 VDC	
Supply Current <sup>1</sup>	7 Amp	5 Amp	
Cooling Requirement	Forced air	Forced air	
Working Temp <sup>1</sup>	5-40 C	5-40 C	
Dimensions(inch)	20x3.8x2.8 (4.0 with fans mounted)	20x3.8x2.8 (4.0 with fans mounted)	

[www.accesslaserco.com](http://www.accesslaserco.com)



**Factory warranty:** One year for parts and labor due to manufacturing quality

**Options available:**

- Water cooling
- Real time power sampling
- Power stabilization

\* We strive to satisfy custom requirements. Please contact us if you have other special needs.

\* Specifications subject to change without notice.

1. Parameter can be customized

