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UV Laser - Specifications

MODEL	UVL 355-45	UVL 355-30	UVL 355-20	UVL 355-15	UVL 355-12	UVL 355-6
Output Characteristics						
Wavelength	355 nm					
Power	45 W	30 W	20 W	15 W	12 W	6 W
Repetition Rate	0 to 500 kHz					
Pulse Width	<40 nsec @ 150 kHz	< 25 nsec @ 100 kHz				
Pulse-to-Pulse	<2% rms @ 150 kHz	<2% rms @ 100 kHz,				<2% rms @ 50 kHz,
Energy Stability	<3% rms up to 300 kHz; <5% rms above 300 kHz					<3% rms < 150 kHz
Beam Characteristics						
Spatial Mode	TEM ₀₀					
M ²	<1.2					
Polarization Ratio	100:1 vertical					
Beam Diameter, at waist	3.5 mm ±0%			1.0 mm ±10%	1.0 mm ±10%	
Beam Divergence	<0.3 mrad			<0.6 mrad		
Beam Asymmetry (circularity)	<1.1 (>90%)					
Beam Pointing Stability	< ±25 μrad/°C			< ±10 μrad/°C		
Operating Conditions						
Power Input	110/220 ±10% VAC, 50-60 Hz					
Temperature Range	18 to 35°C operating; -20 to 50°C non-operating					
Humidity	8–95%, non-condensing					
Cooling Water Temp.	20°C ±1°C, stable to ±0.2°C					
Cooling Water Flow	3.5–6.0 liter/min, 40 psi	1.5 liter/minute minimum, 20 psi				
Power Consumption	900 Watts	400 Watts		300 Watts		
Physical Characteristics						
Dimensions (Laser) x W x H)	(L 28 x 9 x 5 in (711 x 229 x 127 mm)	25 x 6 x 4.5 in (635 x 153 x 115 mm)				
Weight (Laser)	45 lbs. (20.5 kg)	28 lbs (12.7 kg)				

Note: All specifications are subject to change without notice