

## v Series: 30 & 40W Lasers & Performance

Performance	v30	v40
Output Power	20W @ 9.3 $\mu\text{m}$ 25W @ 10.2 $\mu\text{m}$ 30W @ 10.6 $\mu\text{m}$	40W @ 10.6 $\mu\text{m}$
Mode Quality	$M^2 \leq 1.2$	$M^2 \leq 1.2$
Rise Time	< 100 $\mu\text{sec}$	< 100 $\mu\text{sec}$
Beam Diameter	2.5 mm	2.5 mm
Beam Divergence (full angle)	< 7.0 mR	< 7.0 mR
Wavelength	9.3 $\mu\text{m}$ /10.2 $\mu\text{m}$ / 10.6 $\mu\text{m}$	10.6 $\mu\text{m}$
Power Stability from cold start (guaranteed)/after 2 min. (typical)	$\pm 5\%/\pm 3\%$	$\pm 5\%/\pm 3\%$
Cooling	Air/Water	Air/Water
Heat Load (max)	450 W	540 W
Input Voltage/Current	30 VDC/15A (Air) 30 VDC/16A (Water)	30 VDC/18A
Dimensions Inches (mm)	16.8 x 4.6 x 5.8 (428 x 117 x 146)	22.8 x 4.6 x 5.8 (579 x 117 x 146)
Weight	18 lbs./8.2 kg (Air) 19 lbs./8.7 kg (Water)	26 lbs./11.6 kg (Air) 24 lbs./10.9 kg (Water)
Data Sheet	Data Sheets, Technical Drawings, and Manuals can only be downloaded when accessing the full site from a desktop or laptop computer.	
Technical Drawing		
Manual		

## Related Products

Product	Description	Go To
Power Supply	Recommended DC power supply for Synrad lasers	See AC/DC Power Supplies under Accessories for the recommended power supply