



## CR40C Specification

MODEL	CR40C	CR40Ch	CR40Ci
Wavelength (μm)	10.55-10.63 μm	10.11-10.31 μm	9.24-9.35 μm
Output Power (W) <sup>①</sup>	> 40 W	> 40 W	> 35 W
Power Stability (%) <sup>②③</sup>	< ±5%		
Mode Quality (M²)	< 1.2		
Beam Ellipticity	< 1.2		
Beam Diameter(1/e²)	2 ± 0.2 mm		
Full-Angle Beam Divergence (mrad)	< 7		
Light Outlet Height (mm)	64.5 mm		
Typical Polarization (parallel to baseplate)	> 100:1		
Pulse Frequency (kHz)	0 - 50 kHz		
Duty Cycle Limit (%)	0 - 100%		
Weight	6.5 kg(Fan) / 5.9 kg(Water)		
Dimensions (L x W x H)	357 × 93 × 145 mm(Fan) / 390× 93 × 95 mm(Water)		
Cooling	Fan / Water		
Heat Load (W)	550 W		
Input Power			
DC Input Voltage (VDC)	48 VDC		
DC Input Current (A)	11 A		
Environment Condition			
Maximum Case Temperature	< 60℃		
Environment Temperature	5℃ ~ 40℃		
Altitude	< 2000m		
Humidity	< 95% Non-Condensing		
Shipping / Storage Environment	-10℃ ~ 60℃, Non-Condensing		
Coolant			
Dynamic Coolant Flow Rate (l/min.)	4L / min		
Coolant Temperature Range	20 - 25 ℃		
Coolant Maximum Pressure (kPa)	< 0.6 MPa		

The above specifications are subject to change without prior notice.

① Measured at temperature of 25°C. For every 1°C increase above 25°C, the output power decreased by approximately 1%

② Power Stability definition: At a constant water temperature,  $\pm (P_{max}-P_{min})/(2P_{max})$

③ Power Stability measurement conditions: At normal working conditions, with a constant duty cycle, after 10 minutes of laser output