

# 50W-400W Continuous Wave Fiber Laser

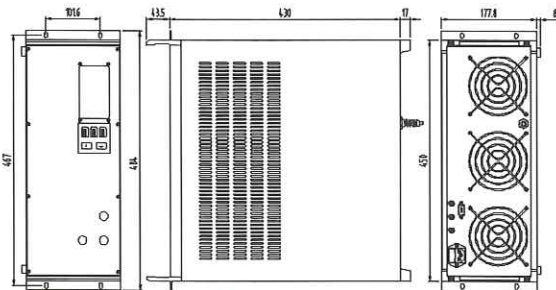
## Product descriptions

50W-400W Continuous Wave fiber laser for marking metallic and nonmetallic materials with high beam quality and power stability. It can be used in operation environments of high-pressure and high-humidity.

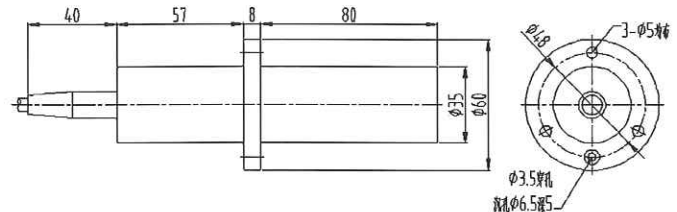
## Applications

- Micromachining
- Thermal printing
- Cutting
- 3-D deformation
- Drilling

## Dimensions



➔ Laser module dimension



➔ Fiber collimator dimension



## Technical parameters

Operating mode	50W CW	100W CW	200W CW	400W CW
Central emission wavelength ( nm )	1064 ± 1	1064 ± 1	1064 ± 1	1070 ± 10
Polarization	random	random	random	random
Nominal average output power ( W )	50	100	200	400
Output power adjustment range ( % )	5-100	5-100	5-100	10-100
Output power instability ( % )	<3	<3	<3	<2
Beam quality ( M <sup>2</sup> )	<1.2	<1.2	<1.2	<1.1
Output fiber cable length ( m )	2.5	2.5	2.5	6
Working voltage ( ACV, 50/60Hz )	220	220	220	220
Power consumption ( 20°C ) ( W )	200	440	800	2000
Cooled	wind	wind	wind	water cooling
Dimension, W×D×H ( mm )	490.5×484×185.8	490.5×484×185.8	490.5×484×185.8	507.0×482.6×221.4
Weight ( kg )	15	15	15	45
Working temperature range ( °C )	0-45	0-45	0-45	5-40
Working humidity range ( % )	10-95	10-95	10-95	0-95

# 1000W Powered Fiber Laser

## Product descriptions

WUHAN Raycus will introduce greater than 1000W powered fiber laser products to the market soon.

## Applications

- Remote Welding
- Welding
- Cutting
- Brazing
- Rock and Concrete Drilling
- Hardening