

Industrial Laser System for Material Processing

Flux S Series



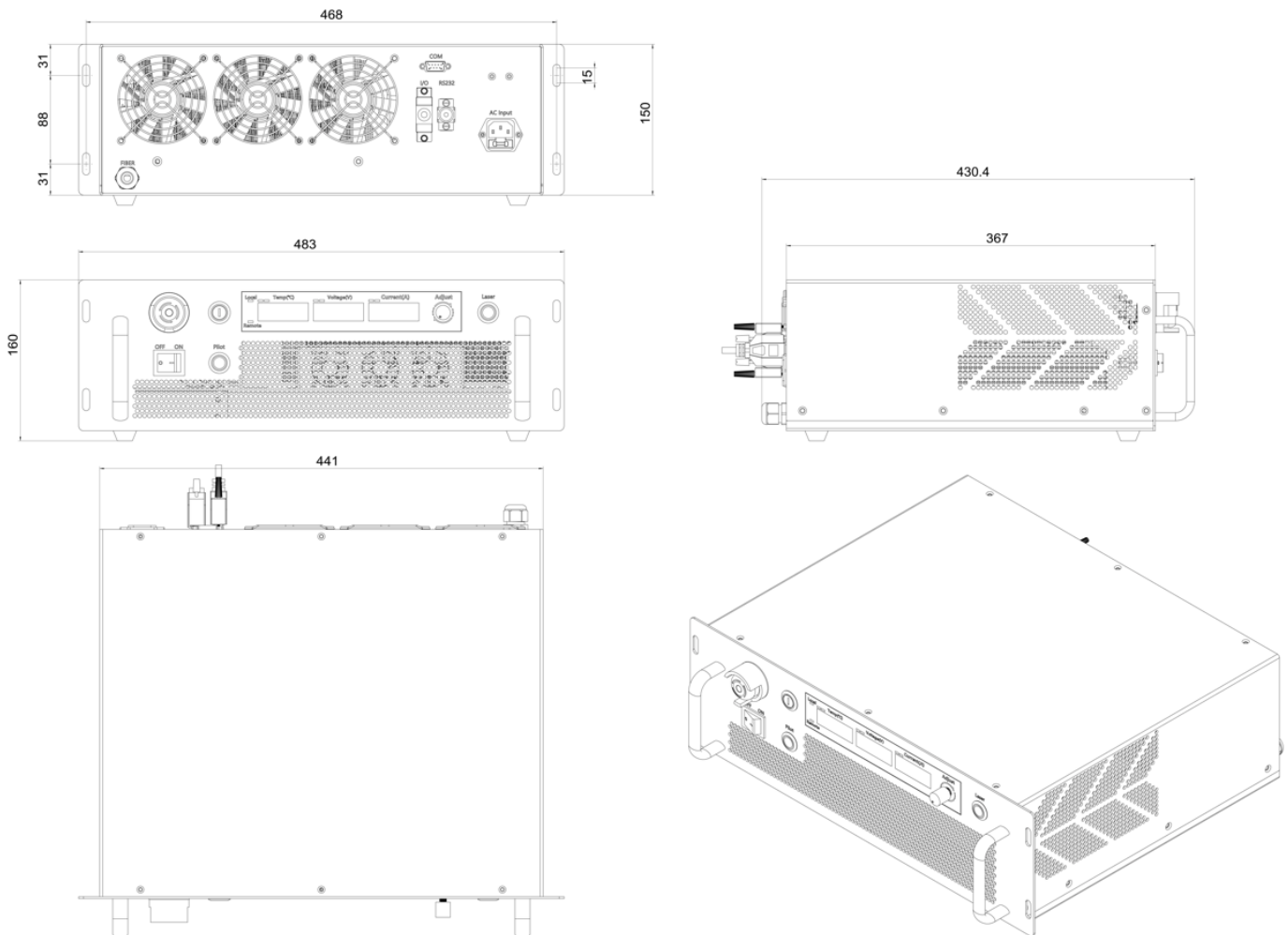
Features

- Small size
- High efficiency
- Great power
- Long product life

Applications

- Laser soldering
- Plastic welding
- Material surface treatment

Product Dimensions (mm)



Remark: The structure drawing is for reference only. Please feel free to contact us for any special requirements.

Product Specifications

Product Code		FLX000013	FLX000014
Part No. ¹		FL-Flux-S150NA-915-F200-5	FL-Flux-S150NA-976-F200-5
General Data		Unit	Value
Dimensions (height × width × depth)	mm	160 × 483 × 367	160 × 483 × 367
Max. Weight	kg	≤ 25	≤ 25
Optical Data			
Output Power ²	W	150	150
Power Stability	%	± 2	± 2
Wavelength	nm	915	976
Wavelength Tolerance	nm	± 10	± 10
Optical Efficiency	%	≥ 45	≥ 45
Red Light Power	mW	10	10
Fiber Diameter	μm	200	200
Numerical Aperture	-	≤ 0.22	≤ 0.22
Fiber Length ³	m	5	5
Fiber Winding Diameter	mm	≥ 40	≥ 40
Connector Type	-	SMA905	SMA905
Electrical Data			
Operating Mode	-	CW/QCW	CW/QCW
Modulation Frequency	Hz	≤ 20K	≤ 20K
Operating Voltage	VAC	220 - 240	220 - 240
Operating Frequency	Hz	50	50
Operating Current	A	16	16
Rise/Fall Time	μs	≤ 20	≤ 20
Response Time	μs	≤ 10	≤ 10
Control Mode	-	Analog Control/RS232	Analog Control/RS232
Max. Power Consumption ⁴	W	≤ 500	≤ 500
Thermal Data			
Operating Temperature	°C	5 ~ 40	5 ~ 40
Storage Temperature	°C	- 20 ~ 65	- 20 ~ 65
Operating Humidity	%rh	10 - 80	10 - 80
Chiller Type	-	Air	Air

¹ Part No. = Brand Code - Series & Power - Wavelength - Fiber Diameter - Fiber Length

² Unless otherwise specified, the laser power is measured at 25°C.

³ The fiber length can be customized according to the customer needs.

⁴ The Max. power consumption includes laser power consumption and temperature control module power consumption.

