Industrial Laser System for Material Processing
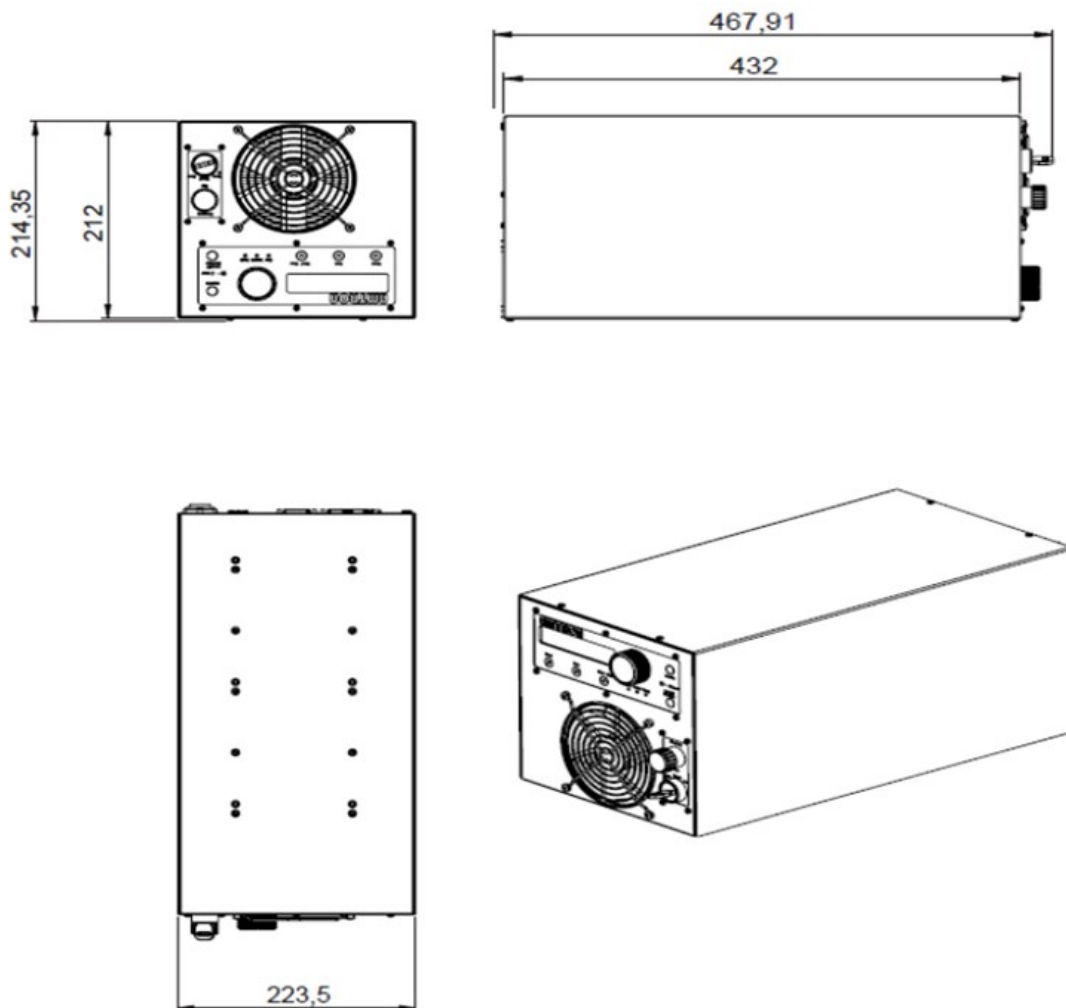
Activation Series

Features

- Turnkey laser system
- Easy integrated into production machines interface
- Reliable control and protection functions
- Closed-loop process control

Applications

- Material processing
- Laser annealing
- Laser bonding
- Plastic welding
- Laser non-contact heating

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		ACT000005	ACT000055	ACT000056
Part No. [1]		LM-AC50-980-F200-3	LM-AC50-980-F200-5	LM-AC50-980-F200-10

General Data	Unit	Value		
Dimensions (height × width × depth)	mm	212 × 223 × 450	212 × 223 × 450	212 × 223 × 450
Max. Weight	kg	10	10	10

Optical Data				
CW-nominal Output Power	W	50	50	50
Wavelength	nm	980	980	980
Fiber Diameter	μm	200	200	200
Numerical Aperture	-	0.22	0.22	0.22
Fiber Plug Type	-	SMA905	SMA905	SMA905
Fiber Length		3	5	10

Electrical Data				
Operating Voltage	V	220 ± 10	220 ± 10	220 ± 10
Max. Operation Current	A	16	16	16
Supply Frequency	Hz	50 - 60	50 - 60	50 - 60
Number of Leads	-	1P + N + PE	1P + N + PE	1P + N + PE
Power Plug Type	-	CEE	CEE	CEE

Thermal Data				
Operating Temperature	°C	15 ~ 35	15 ~ 35	15 ~ 35
Storage Temperature	°C	15 ~ 60	15 ~ 60	15 ~ 60
Chiller Type	-	Air	Air	Air
Cooling Capacity	W	150	150	150

Other Features [2]				
Pilot Beam		●	●	●
Key Main Switch		●	●	●
Pyrometer Control		○	○	○
Power-meter Control		○	○	○
Internal Pulse Modus		●	●	●
Laser Process Head		○	○	○

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

[2] "●" = available; "○" = optional.

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