

**X-SERIES**

# MFSC 6000X

## Single Module CW Fiber Laser

Maxphotonics X-Series is a compact and high reliability laser product. With long-term durability and stability, it fulfills your general laser welding and cleaning demands under any scenarios. It's I/O interface powers up your operation accuracy and protects your safety.



## Product Features



Multi-functional I/O interface



Excellent cost and performance compound



High-quality laser output

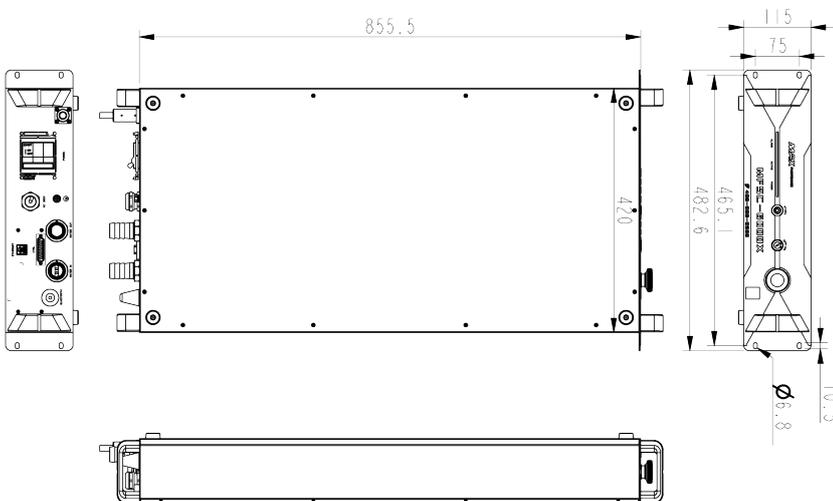


Plug and play



Long-term durability

## Dimensions



## Output Connectors



QBH G4.3



QBH G5

Our QBH G4.3 and G5 output connectors are suitable for welding and cleaning and are also compatible with mainstream cutting heads.

Disclaimer: The images and technical specifications provided are for reference only and may be subject to change.

Optical Specifications	MFSC 6000X
Power	6000 W
Mode of Operation	CW / Modulated
Polarization	Random
Beam Quality, BPP (mm*mrad)	3-3.8 @ 100 $\mu$ m
Wavelength	1080 $\pm$ 10 nm
Spectral Bandwidth 3dB	4 to 7 nm
Power Tunability	10 to 100 %
Power Instability (1 hour)	$\pm$ 1 to 2 %
Modulation Frequency	$\leq$ 20 kHz
Red Guide Laser Power	min. 200 $\mu$ W
Fiber Delivery System	MFSC 6000X
Interface	QBH G4.3 / G5
Length	20 m
Diameter	100 $\mu$ m (150 / 200 optional)
Bending Radius	min. 200 mm
Electrical Ratings	MFSC 6000X
Supply Voltage	400 $\pm$ 40 VAC Single Phase
Power Consumption	max. 20 kW
Other Specifications	MFSC 6000X
Operating Temperature	10 to + 40 $^{\circ}$ C
Storage Temperature	- 10 to + 60 $^{\circ}$ C
Humidity	10 to 85 %
Cooling Method	Water Cooling
Cooling Medium	Pure water (above 0 $^{\circ}$ C) / Glycol antifreeze (below 0 $^{\circ}$ C)
Dimensions	420 * 855.5 * 115 mm (W * D * H)
Weight	56 $\pm$ 5 kg



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