

MFSC 6000M

Single Module CW Fiber Laser



Product Feature



High Power with Great Beam Quality

High power density with flat-head distribution
High wall-plug efficiency



Even Energy Distribution

Less splash during cutting and welding



Excellent Material Processing Performance

High speed in thin sheet cutting
Strong capability in thick material processing



Compact Design, Maintenance Free

Highly integrated system with modular design
High stability and easy maintenance significantly reduce TCO



Best Choice for Cutting and Welding

Widely used in hardware processing, automobile, shipping, construction machinery, medical industries and more.

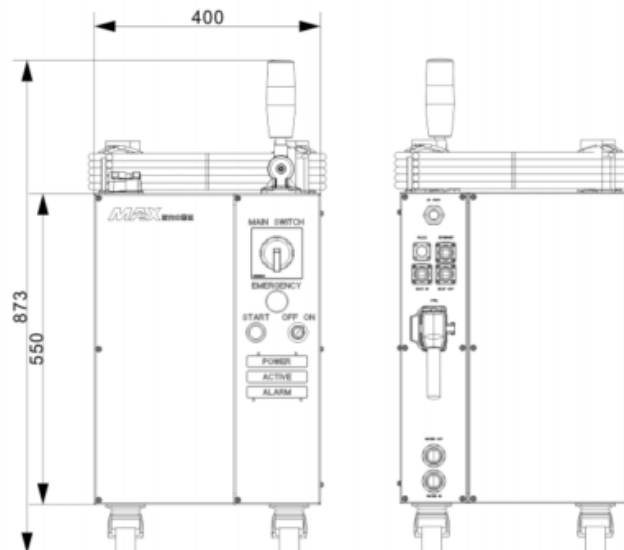


QBH G4.3

MFSC 6000M High Power Fiber Laser Specifications

Model	MFSC-6000M	
OPTICAL SPECIFICATIONS		
Nominal Power	6000W	
Mode of Operation	CW/Modulated	
Polarization	Random	
BPP(mm x mrad)	3~3.8 (@100um Fiber Core)	
Wavelength(nm)	1080(±10)	
Spectrum Width(3dB)(nm)	4~7	
Power Tunability(%)	10~100	
Power Instability(%): 1h	± 1	
Modulation Frequency(kHz)	5	
Red Guide Laser Power(μW)	200-1000	
FIBER DELIVERY SYSTEM		
Interface	QBH(LOC)	
Length(m)	20	
Diameter(μm)	100, 150 or 200	
Bending Radius(mm)	≥ 200	
ELECTRICAL RATINGS		
Supply Voltage(VAC)	360-440 VAC 3-phase 50 /60Hz	
OTHER SPECIFICATIONS		
Operating Temperature(°C)	10 to 40	
Storage Temperature(°C)	-10 to 60	
Humidity(%)	10 to 80	
Cooling Method(°C)	Water-cooling	
Cooling Medium	Pure water (above 0° C) / Glycol antifreeze (below 0° C)	
Dimension(mm)	400*900*550(excluding casters/warning lights, etc.)	
Weight(kg)	155 ± 5 (G4.0-4.7)	147 ± 5(G4.8 and above)

Mechanical Specifications (mm)



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