1. Optical characteristics

No.	Characteristics	Parameter value	Unit
1	Center Power	2000	W
	Outer Ring Power	2000	W
2	Total Power	4000	W
3	Maximum Modulation Frequency	5	kHz
4	Central Wavelength	1080±2	nm
5	Spectral Width @3dB	< 10	nm
6	Power Adjustment Range	5 - 100	%
7	Beam Quality / M^2 (Center)	< 1.7	/
8	Beam Parameter Product / BPP (Outer Ring)	＜5	mm*mrad
9	On/Off Optical Response Time	< 100	μs
10	Output Power Instability	< 1	%
11	Polarization Direction	Random	/
12	Pilot Light Power(660nm Red Light)	~1	mW
13	Output Core Diameter	14/100	μm
14	Output Cable Length	10	m

2. Electrical characteristics

No.	Characteristics	Parameter value	Unit
1	Supply voltage	380	V
2	Working current	< 22	A
3	Power consumption	< 14000	W

3. Environmental requirements

No.	Characteristics	Parameter value	Unit
1	Operating temperature	10 - 40	℃
2	Storage temperature	0 - 60	℃
3	Cooling method	Water Cooling	/

4. Water Cooling Requirements

No.	Characteristics	Parameter value	Unit
1	Cooling Capacity	＞10000	W
2	Water Flow Rate	＞42	L/min
3	Water Cooling Temperature	25±1	℃
4	Water Pipe Diameter	25	mm

5. Structural characteristics

No.	Characteristics	Parameter value	Unit
1	Laser dimension	890*460*715(excluding handle)	mm^3
2	Output head dimension	QBH standard parts	As shown in the figure below
3	Net weight	<180	kg

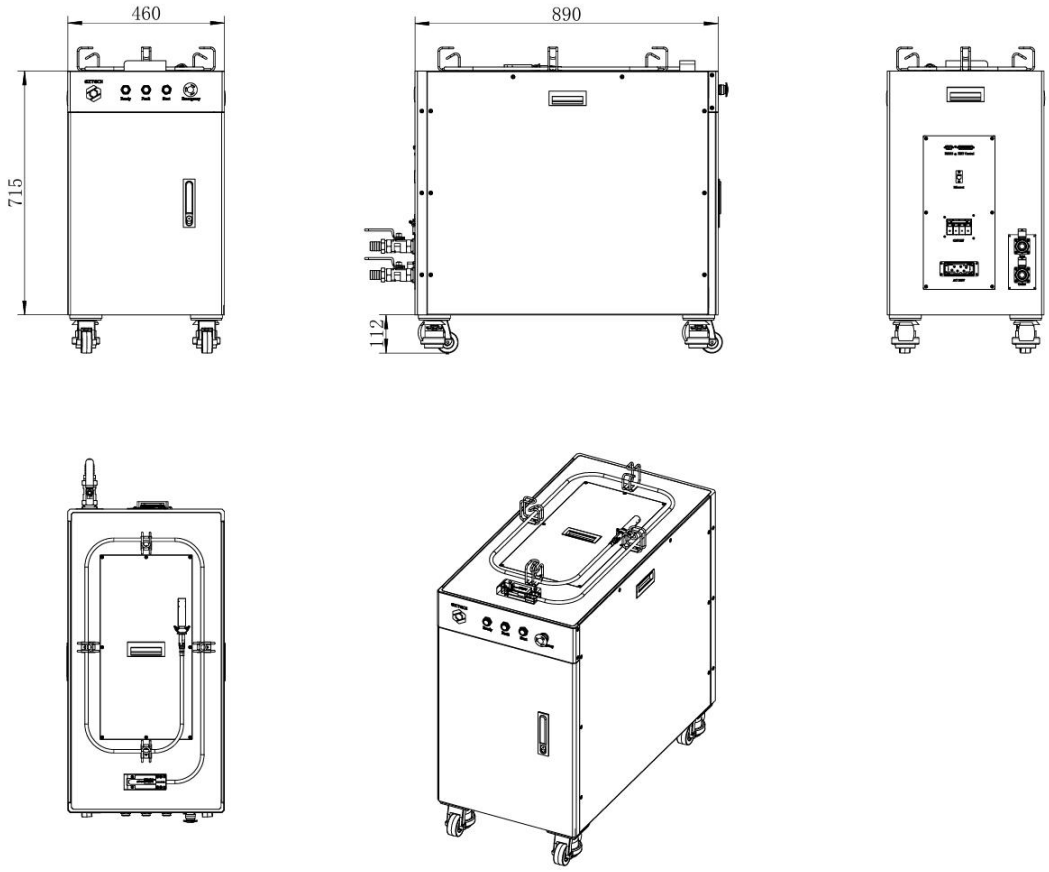


Figure 1. Laser dimension

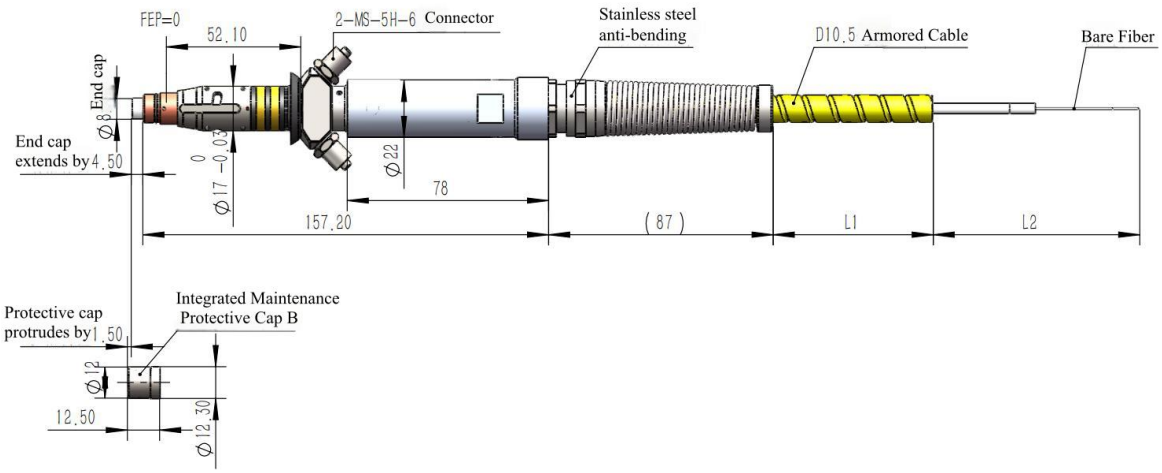


Figure 2. QBH dimension