

	Specifications	Revision:	V1.0
	QCW fiber laser	Date:	202503
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1. Optical characteristics

N	Characteristics		Parameter value	Unit
1	Average power	CW	300	W
		Pulsed	300	W
2	Peak power		3000	W
3	Single pulse energy		30	J
4	Central wavelength		1080 ± 2	nm
5	Spectral width @3dB		< 5	nm
6	Power adjustment range		10 - 100	%
7	Maximum modulation frequency		5	kHz
8	Pulse width		0.02-50	ms
9	Laser switching ON/OFF time		< 25	μ s
10	Output power instability (RMS)		< 2	%
11	Beam quality M^2		< 14	/
12	Polarization direction		Random	/
13	Indicator red light		Yes	/
14	QBH divergence angle (full angle)		<190	mrad

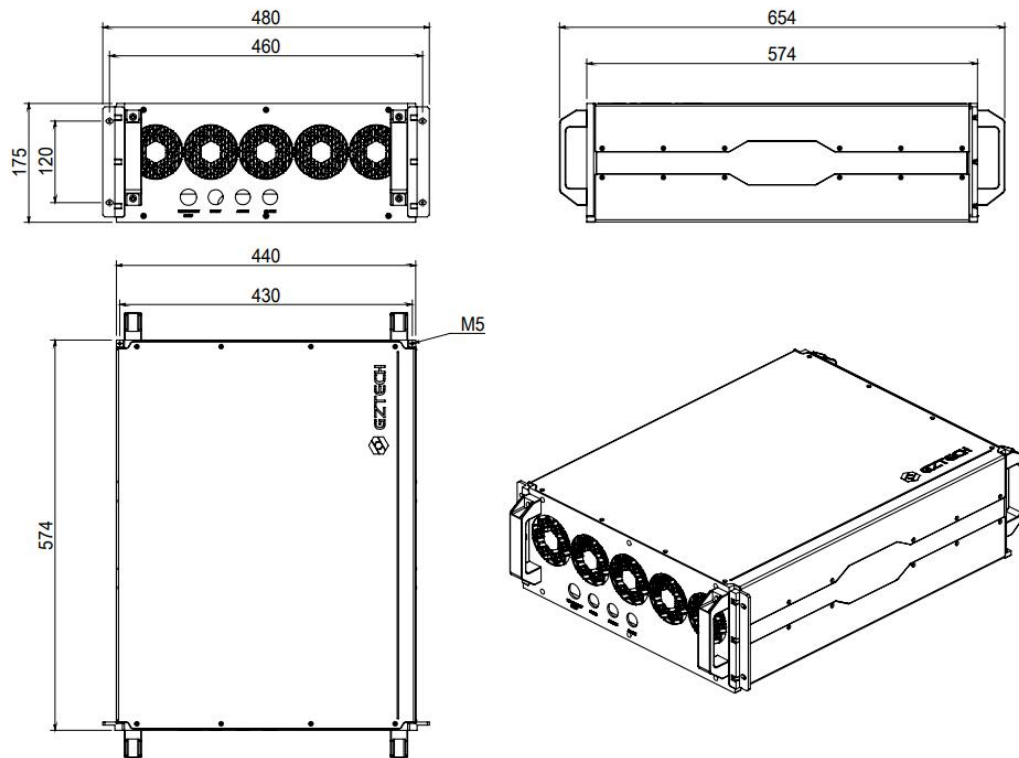


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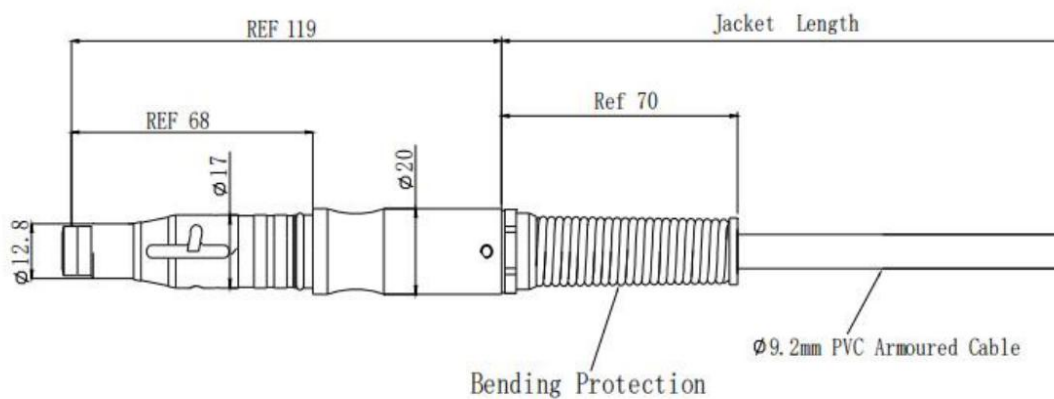
15	Delivery cable length	5	m
16	Power supply voltage	220	V
17	Operating current	<16	A
18	Operating temperature	0-40	°C
19	Storage temperature	0-60	°C
20	Cooling method	Air cooling	/
21	Laser dimension	574*440*175	mm ³
22	Net weight	<50	kg
23	Core diameter	100	μm



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Laser dimension



QBH dimension

