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1. Optical characteristics

N	Characteristics	Parameter value	Unit
1	Central wavelength	532	nm
2	Maximum pulse energy	>416@60kHz	μJ
3	Output power	>25@60kHz	W
4	Frequency adjustment range	50-200	kHz
5	Pulse width	< 18@60kHz	ns
6	Output power instability	< 3%	RMS
7	Beam quality M ²	< 1.3	/
8	Spot roundness	> 90%	/
9	Polarization direction	Vertical	/
10	1/e ² beam diameter (Bare beam)	0.75 ± 0.1	mm
11	1/e ² beam diameter (8X)	6 ± 1	mm
12	Visual beam diameter (8X)	9 ± 1.5	mm
13	Divergence angle	< 2	mrad
14	Warm-up time	< 10	min

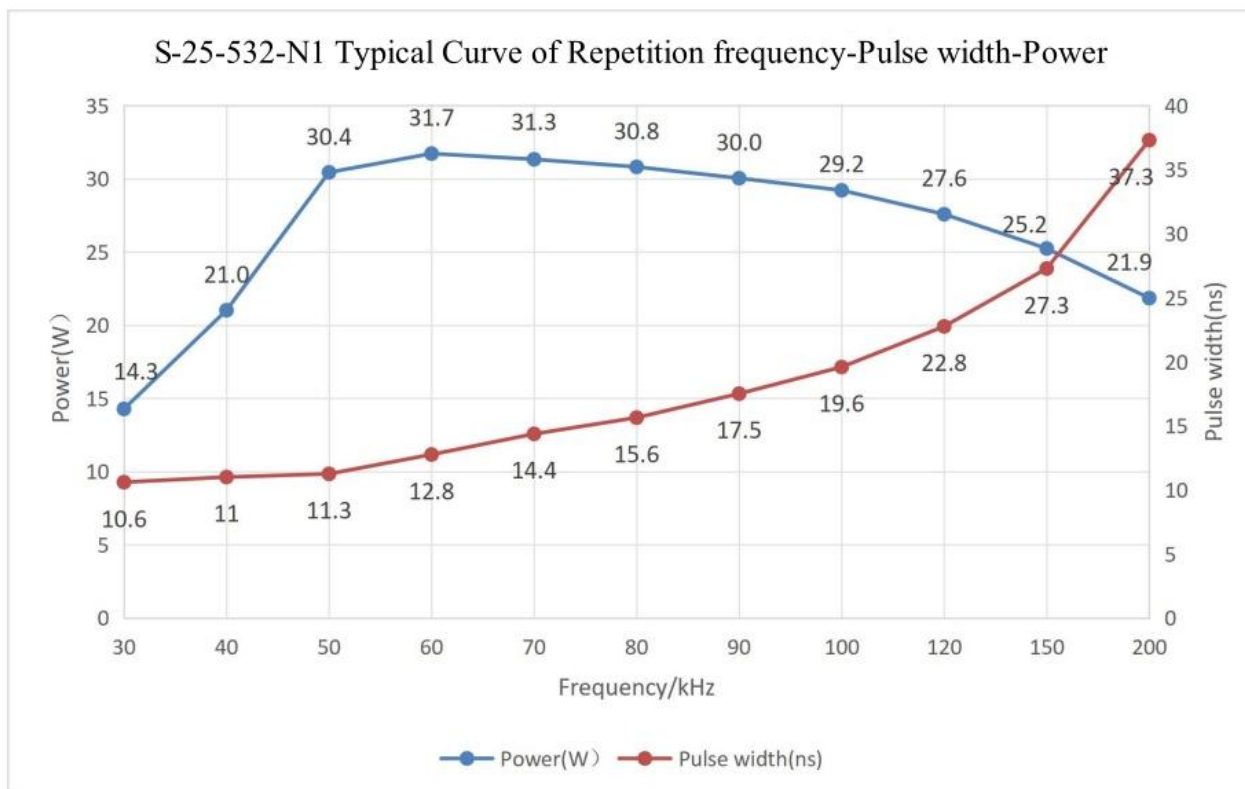




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2. Electrical characteristics

N	Characteristics	Parameter value	Unit
1	Power supply voltage	24	VDC
2	Working current	< 10	A
3	Power consumption	< 240	W
4	Recommended power supply	≥ 350	W



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3. Environmental requirements

N	Characteristics	Parameter value	Unit
19	Ambient temperature	15 ~ 35	°C
20	Storage temperature	-10 ~ 50	°C
21	Ambient relative humidity	< 90 %	/



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4. Water cooler requirements

N	Characteristics	Parameter value	Unit
1	Cooling capacity	> 580	W
2	Water flow	> 6	L/min
3	Water tank temperature control	25 ± 0.3	°C
4	Water pipe diameter	10	mm

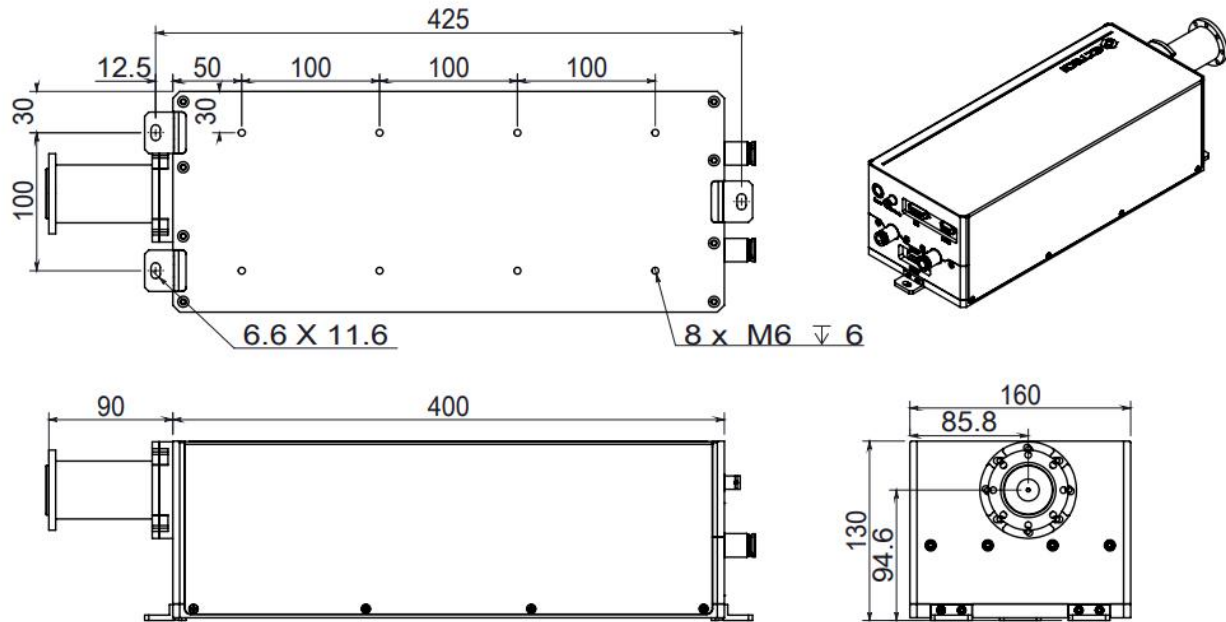
5. Structural characteristics

N	Characteristics	Parameter value	Unit
1	Laser dimension (without feet and galvanometer adapter)	400*160*130	mm ³
2	Net weight	12 ± 0.3	kg

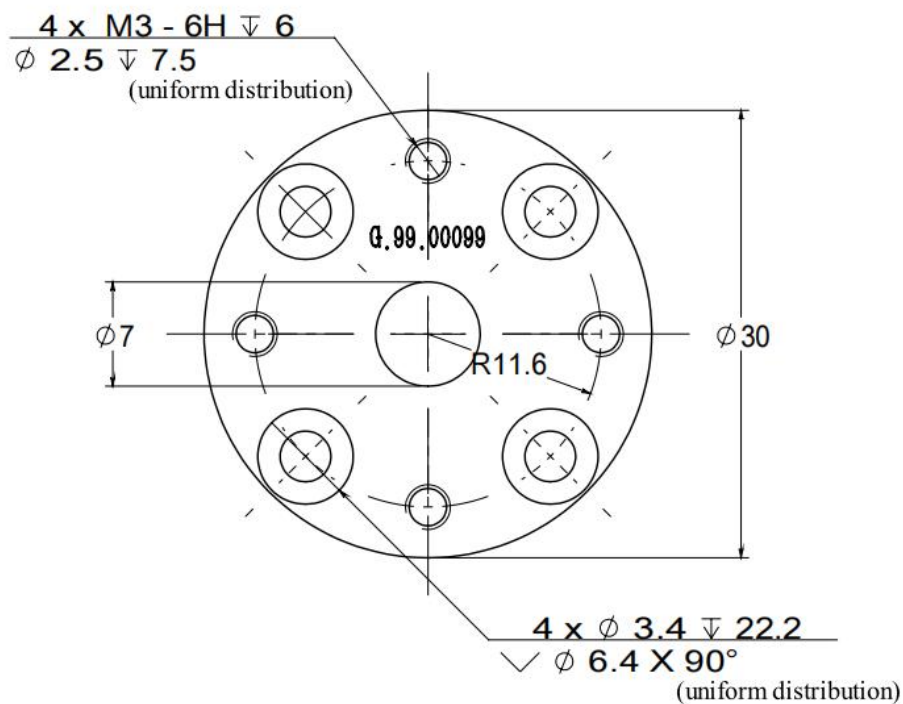


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6. Dimension

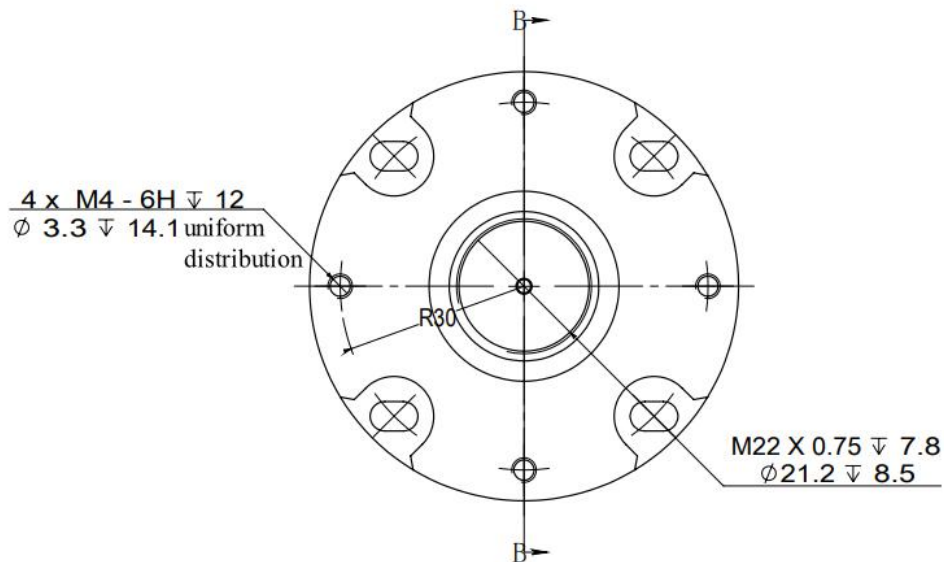


7. Flange beam expander mounting hole size reference (M3 threaded hole)



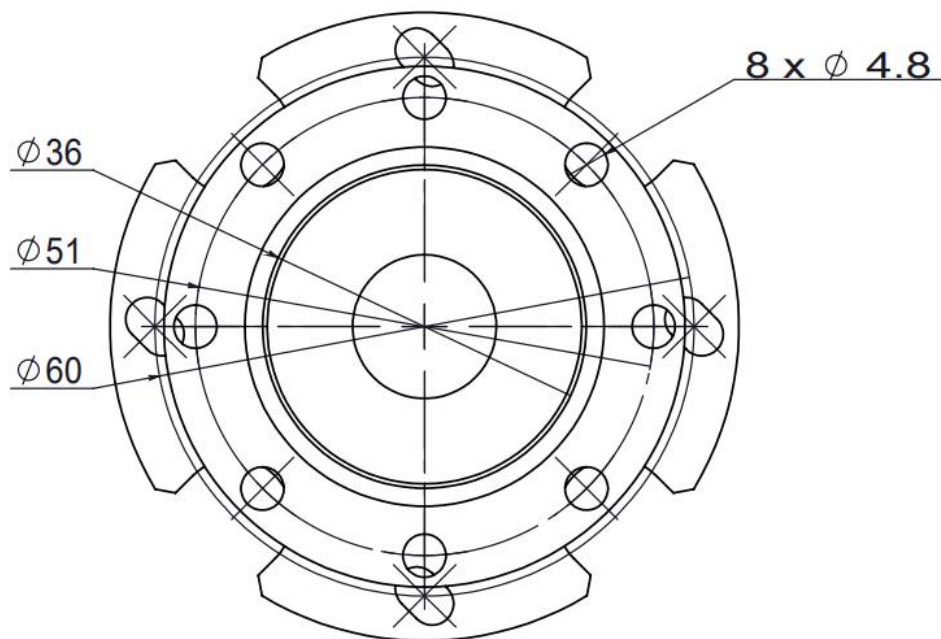
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8. Threaded beam expander mounting hole size reference (M22 threaded hole), standard configuration for this model



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9. Galvanometer connection tube



10. Galvanometer adapter

