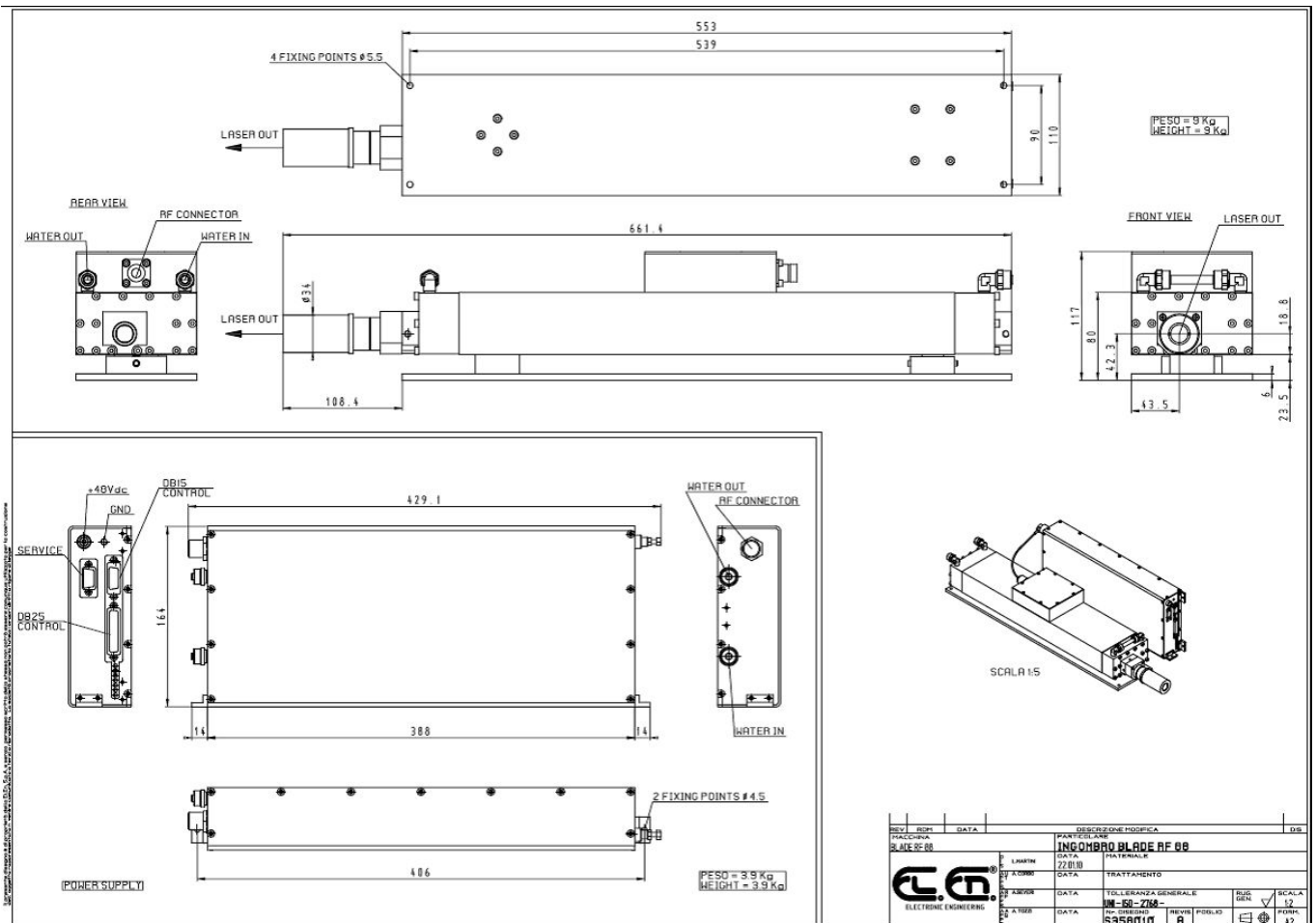


# RF 88 // CO<sub>2</sub> Sealed-off series



## KEY FEATURES

- Extreme compactness
- Radio Frequency excited
- High beam quality
- High reliability
- Ease of integration



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# RF 88 //

## CO<sub>2</sub> Sealed-off series



### Technical specifications

Rated power (W)	0.5 ÷ 80
Effective peak power <sup>1</sup> (W)	200
Wavelength (µm)	10.6 ± 0.4
Power stability (long term)	± 5%
Pulse frequency (kHz)	≤50
Pulse width range (µs)	2 ÷ 1000
Beam diameter (full beam at the exit) (mm)	9.4 ± 0.5
Beam divergence (1/e <sup>2</sup> full angle) (mrad)	3.0 ± 0.3
Beam ellipticity	1.2 : 1
Mode quality M <sup>2</sup>	< 1.2
Polarization	linear horizontal
Optical pulse rise and fall time (µs)	< 50
Environmental temperature range (°C)	5 ÷ 35
Storage temperature (°C)	5 ÷ 50
Maximum humidity	non condensing at the inlet water cooling temperature
Input voltage (V <sub>DC</sub> )	48 ± 1
Max current absorption (A)	27
Peak current absorption (A)	32 for 3ms max
Max heat dissipation (W)	1500
Laser dimensions (mm)	661.4 x 110 x 117
Laser weight (kg)	12.8
RF power supply dimensions (mm)	429.1 x 164 x 57

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