COMPACT

SpitLight Compact DPSS 100-100 Nd:YAG-Laser

Features

- Compact laser head and power supply with small footprint
- Robust and stable resonator structure
- Maintenance-free pumping chamber
- Excellent beam quality and pointing stability
- Long diode lifetime
- Double pulse option available

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Model

Model	SL-CDPSS100-100HZ

Energy

Pulse Energy @ 1064 nm	> 100 mJ
Pulse Energy @ 532 nm	> 60 mJ
Pulse Energy @ 355 nm	> 30 mJ
Pulse Energy @ 266 nm	> 10 mJ
Pulse Energy @ 213 nm	> 3 mJ
Energy Stability @ 1064 nm (RMS)	< 0,5 %
Energy Stability @ 532 nm (RMS)	< 1,0 %
Energy Stability @ 355 nm (RMS)	< 1,5 %
Energy Stability @ 266 nm (RMS)	< 2,0 %

Beam Parameters

Pulse Width @ 1064 nm	8 - 10 ns
Pulse Width @ 532 nm	0,5 - 2 ns < PW @ 1064 nm
Pulse Width @ 355 nm	1 - 3 ns < PW @ 1064 nm
Pulse Width @ 266 nm	2 - 4 ns < PW @ 1064 nm
Divergence	< 0,5 mrad
Pointing Stability	< ± 50 µrad
Beam Diameter	~ 5 mm
Temporal Jitter	< ± 1 ns

Operating Parameters

Warranted Lamp Lifetime	2 years or 4 x 10^9 shots
Electrical Supply	208-240 VAC; 50 / 60 Hz; 1,5 kW
Cooling Water	8 l/min; 2-6 bar; < 15°C

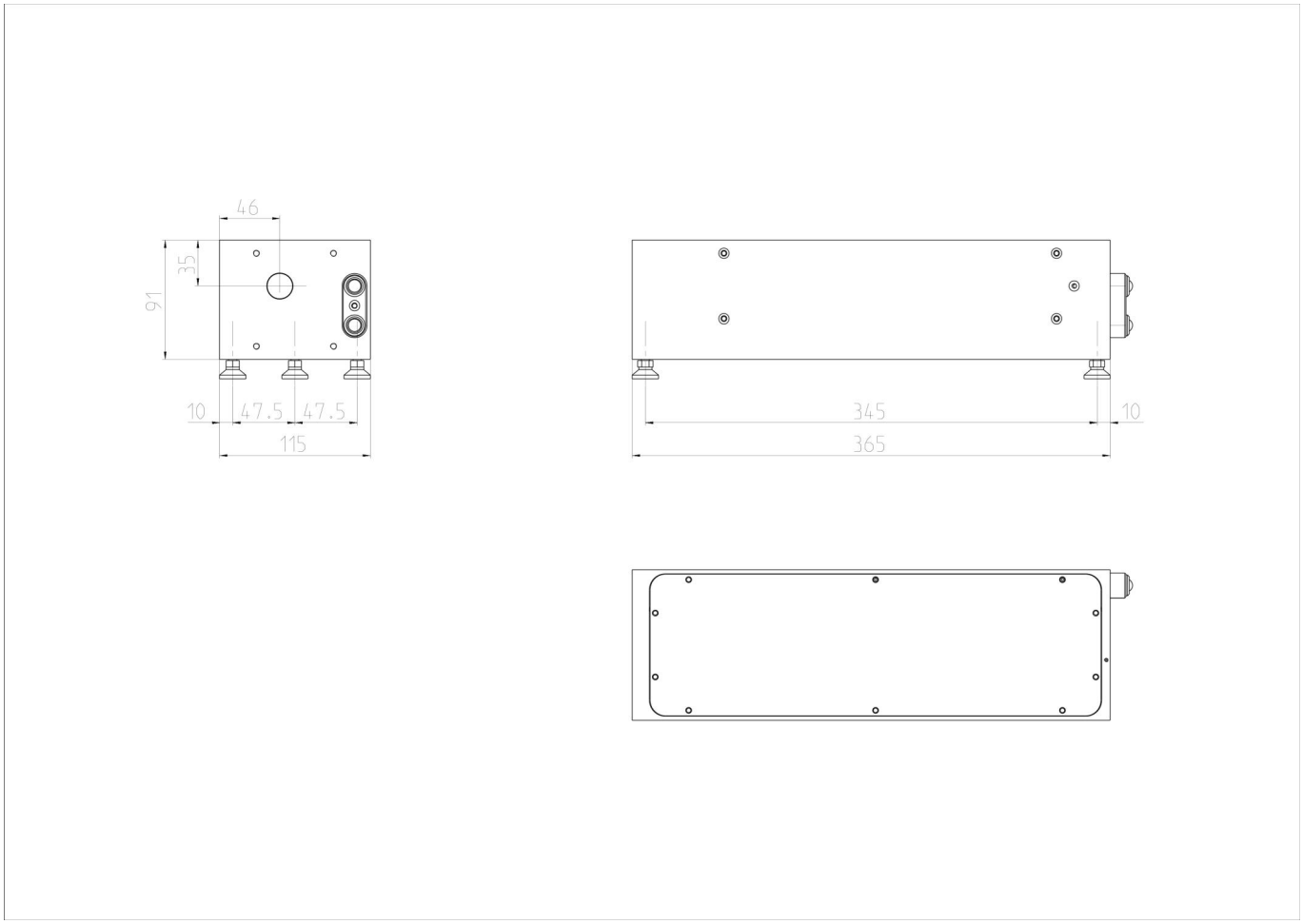
Weights

Laser Head	10 kg
Power Supply	25 kg

Dimensions

Power Supply (L x W x H)	480 x 220 x 480 mm

Drawing



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