



High-Power Q-switched ns-pulsed CO₂ Laser
suitable for glass cutting and chamfering applications, for more details see www.hypermemo.fi

Laser Specifications

Rated power, W	20-180
Effective peak power, kW	2-18
Power stability (long-term), %	5
Wavelength, μm	10.6
Polarization	linear
Maximum pulse frequency, kHz	50
Pulse width range, ns	300-400
Maximum duty cycle	0,015-0,02
Optical pulse rise/fall time, ns	~20
Operating ambient temperature range, °C	15-50
Maximum humidity, %	70

Glaser™ ns-18000

Electrical Power Requirements

Input voltage, VDC	48
Max current, A	60
Peak Current, A	60

Cooling

Coolant	water
Coolant temperature, °C	17-20
Water cooling input pressure, bar	1-2
Water cooling flow rate, L/min	40
Heat load, kW	2

Dimensions / Weight

Laser dimensions (LxWxH), mm, w/o cabinet	889x235x213,5
Laser dimensions (LxWxH), mm, incl. cabinet	937x274x257
Laser weight, kg	24
Laser weight, incl. cabinet, kg	38,6
RF power supply* dimensions, (LxWxH), mm	483,5x369x100,5
RF power supply weight, kg	10

**EMC certified by SGS Fimco, test report from 13.03.2023 available upon request.*