

# PhotoSonus series

## High Energy Mobile Tunable Optoacoustic Imaging Source



### FEATURES

- ▶ High output energy; up to **200 mJ**
- ▶ **10 Hz or 20 Hz** pulse repetition rate
- ▶ Integrated pump laser, OPO and PSU in single portable cart
- ▶ Turn-key operation and minimal maintenance
- ▶ Customizable fiber output
- ▶ Hands-free wavelength tuning
- ▶ Externally triggerable
- ▶ PC control via USB port and LabVIEW drivers

### OPTIONS

- ▶ Motorized attenuator
- ▶ Fast wavelength tuning (10 Hz)
- ▶ Separate output of idler (1064 – 2300 nm)
- ▶ Access to pump laser wavelengths (1064 / 532 nm)
- ▶ Power meter

A new high energy mobile optoacoustic imaging source has been introduced by Ekspla. The PhotoSonus laser system consists of an integrated nanosecond solid-state pump laser, OPO and power supply unit in a compact mobile cart. The system features turn-key operation, hands-free wavelength tuning from PC

and compact size. Fiber coupled output makes convenient delivery of the OPO light.

By employing a wide range of options, our team of engineers is ready to tailor this system for specific customer requirements.

SPECIFICATIONS <sup>1)</sup>

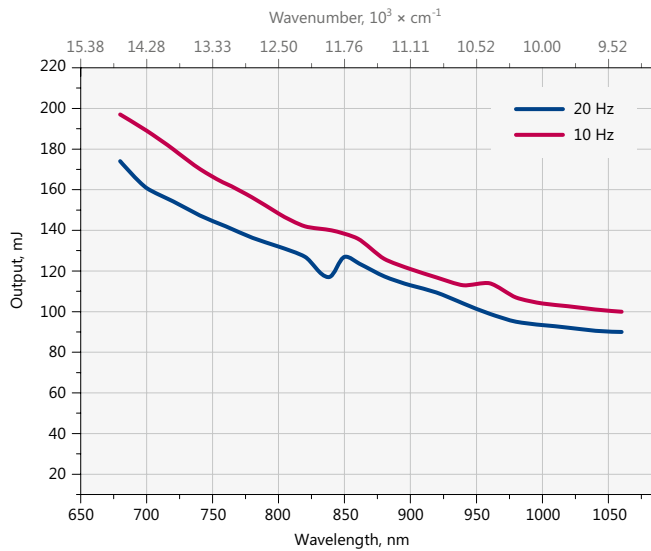
Parameter	Value
Wavelength range	680 – 1064 nm
Pulse repetition rate	10 or 20 Hz
Pulse duration	3 – 5 ns (FWHM)
Pulse energy stability	< 2% StDev
Beam divergence	< 2 mrad (FWHM)

<sup>1)</sup> Due to continuous improvement, all specifications are subject to change without notice. Parameters marked typical may vary with each unit we manufacture.

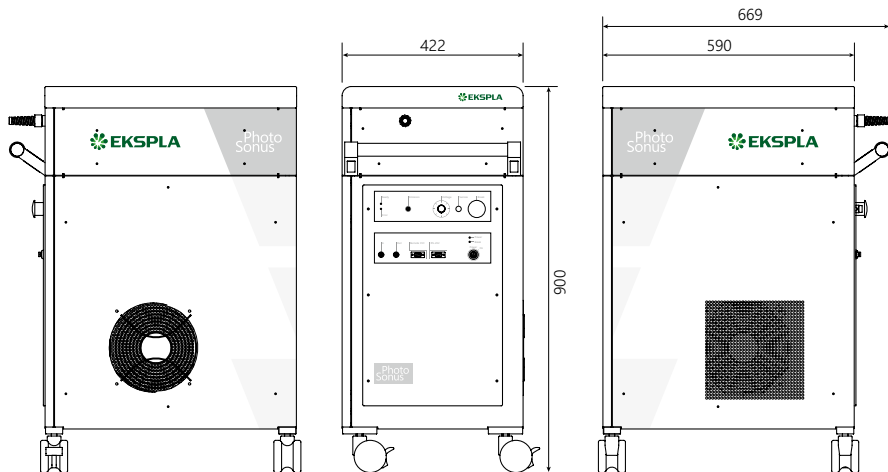
## POWER SUPPLY

- ▶ Power supply unit integrated
- ▶ Universal line voltage
- ▶ Closed-loop air-water cooled

## PERFORMANCE



## DRAWINGS



Aproximate dimensions in mm