

Cobolt HS-07 Heatsinks

Heatsinks for Cobolt o6-o1 and Cobolt o8-o1 Series Laser



The Cobolt HS-07 is a heatsink with fan to ensure laser operation within given specifications. The laser head must be attached to a heatsink providing low enough thermal resistance to its environment. The HS-07 is powered by the PSU that comes with the lasers via an adaptor cable used between the laser and the fan.

The thermal resistance of the heat sink is $<1\text{ K/W}$ and ensures that the lasers can safely be operated in normal indoor laboratory environments with an ambient temperature below $30\text{ }^{\circ}\text{C}$. The mounting surface is flat and designed to accommodate all Cobolt o6-o1 Series and Cobolt o8-o1 Series footprints and can be bolted to standard metric or imperial optical tables.

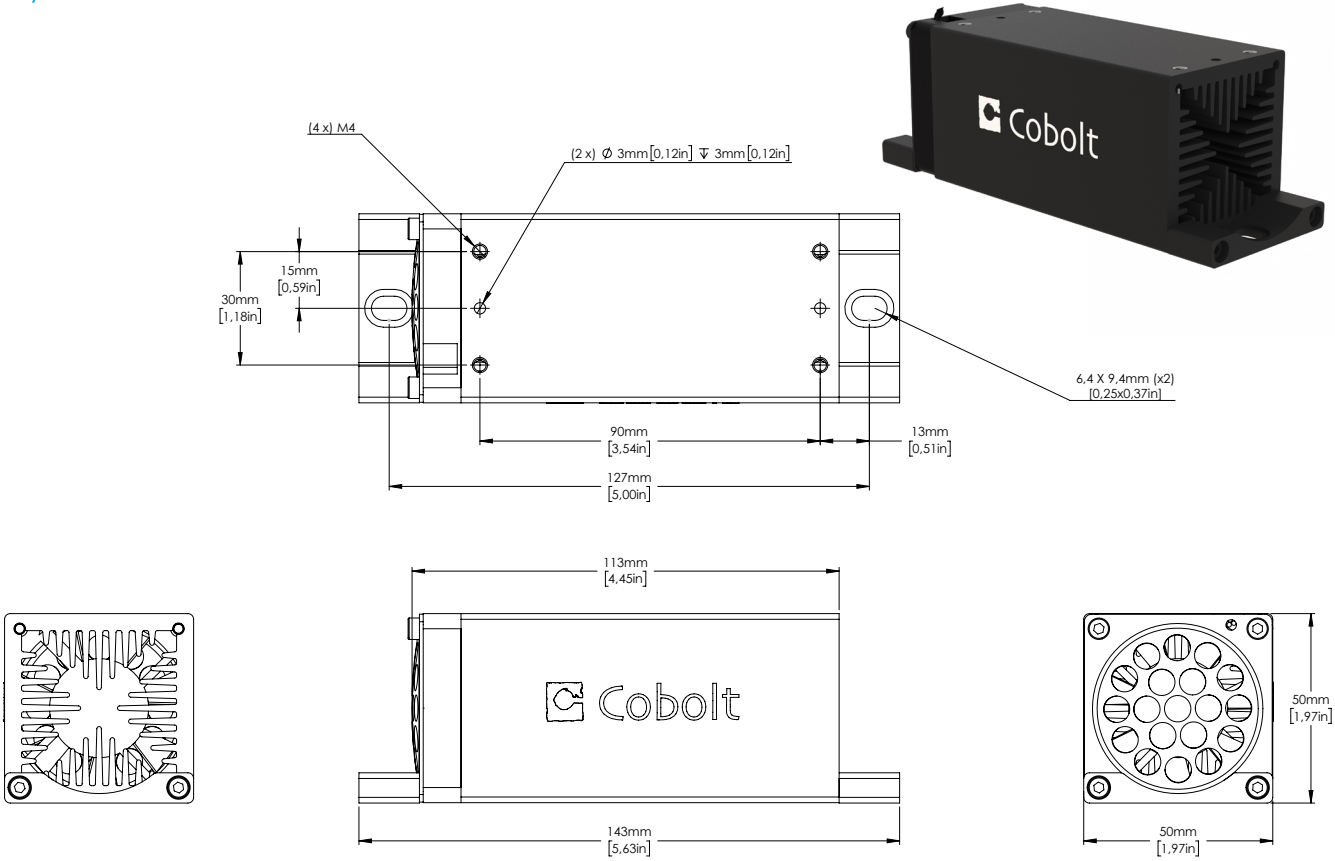
Specifications

Article Number	14726	14878	14721	14877
Description	HS-07 12V	HS-07 12V (long)	HS-07 5V	HS-07 5V (long)
Input voltage (available from the laser head power supply)	12 VDC		5 VDC	
Ambient temperature & pointing	<10 μrad/°C			
Maximum heat sink temperature at 30 °C ambient	50 °C			
Maximum heat dissipation of laser head	≤25 W		≤20 W	
Laser head heat sink thermal impedance	< 1 K/W			
Recommended ambient temperature	18-30 °C			
Fan power consumption	0.6 W		0.2 W	
Weight	< 0.56 kg			
Dimensions (LxWxH)	143x50x50 mm	193x50x50 mm	143x50x50 mm	193x50x50 mm
Compatible models	06-01 06-91 06-51 06-03	06-11	08-01 08-51	08-11 08-16 08-17 08-21

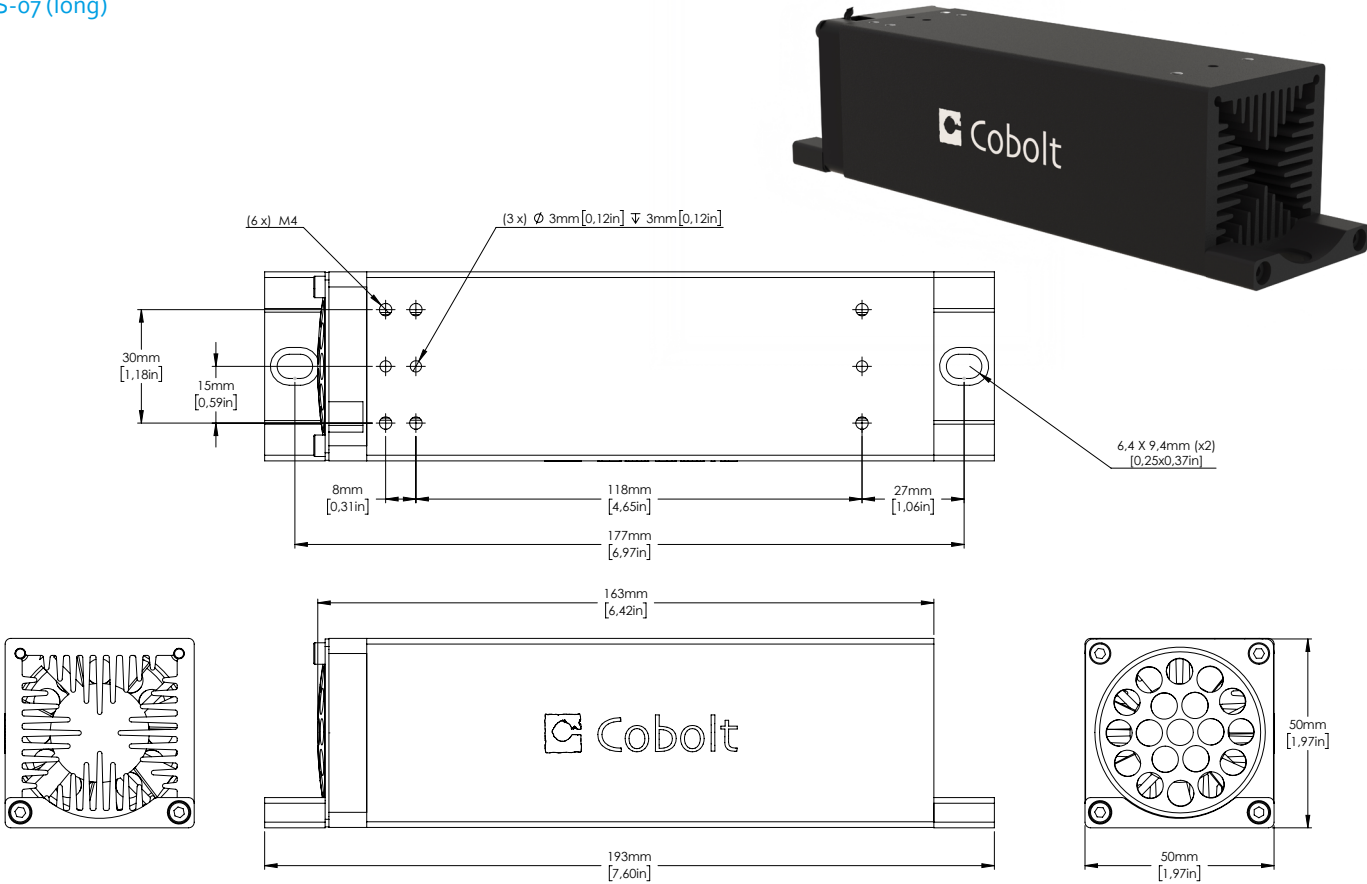


Mechanical Specifications

HS-07



HS-07 (long)





Our Locations

Cobolt AB, a part of HÜBNER Photonics
(Sales in Norway, Sweden, Finland and Denmark)

Solna, Sweden

Phone: +46 8 545 912 30

Fax: +46 8 545 912 31

E-mail: info.se@hubner-photonics.com

HÜBNER Photonics GmbH

(Sales in Germany, Switzerland and Austria)

Kassel, Germany

Phone: +49 561 994 060-0

Fax: +49 561 994 060-13

E-mail: info.de@hubner-photonics.com

**VALO Innovations, a part of HÜBNER Photonics
(VALO Sales and Service)**

Hannover, Germany

Phone: +49 511 260 390 70

E-mail: info.valo@hubner-photonics.com

HUBNER Photonics Inc.

(Sales in USA, Canada and Mexico)

San Jose, California, USA

Phone: +1 (408) 708 4351

Fax: +1 (408) 490 2774

E-mail: info.usa@hubner-photonics.com

HA Photonics Pty Ltd

(Sales in UK & Ireland - goods shipped from Europe)

United Kingdom

Phone: +44 735 944 0871

E-mail: info.uk@hubner-photonics.com

In need of technical support/service?

Send us information about your issue:

hubner-photonics.com/service-support

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