

# Monsoon Spectrum/Atom

## PRODUCT SPECIFICATION SHEET

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### DESCRIPTION

- **all-weather protection**
- **durable tough construction with aperture heating element**
- **suitable for KVANT Atom and Spectrum series lasers**

Monsoon from KVANT is a robust and durable enclosure that will protect your delicate equipment, such as laser projectors, against harsh weather conditions, extreme temperatures and high humidity. Structurally, it is very tough in all directions.

Its galvanised steel construction makes it suitable for permanent indoor & outdoor installations in almost any climate and environment. Monsoon's certified IP65 design, automatic temperature control management and quality air filters ensure protection against heat, cold, rain, snow, sand and dust.

**Monsoon is available with or without an external AC unit [in stock from 5/2021].**

**If you plan to use Monsoon in an environment with temperatures exceeding 35 °C, please make sure to choose the AC option.**

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### SPECIFICATIONS

<b>Product name:</b>	KVANT Monsoon Spectrum/Atom
<b>Ingress protection rating:</b>	IP65 [Certified]
<b>Operation temperature [°C]:</b>	-20 to +35 [above 35° the optional AC unit is required - available 5/2021]
<b>Housing colour:</b>	RAL 9010 as standard, other RAL colours on request
<b>Laser safety:</b>	Laser Class 4 stickers
<b>Size [mm]:</b>	750 x 730 x 560 [WxHxD]
<b>Shipping size [mm]:</b>	1200 x 930 x 800 [WxHxD]
<b>Weight [kg] - enclosure:</b>	33.5
<b>Weight [kg] - mounting bracket:</b>	30.5
<b>Shipping weight [kg]:</b>	100
<b>Supplied accessories:</b>	AC power cable, 3-pin XLR remote cable, Ethernet cable, 17/19mm spanner, mounting bracket
<b>Supplied spare parts:</b>	Air-filter
<b>Available spare parts:</b>	Aperture AR glass, air-filter
<b>Supplied cable length:</b>	10 metres
<b>Casing construction:</b>	Two-ply with 30-50mm inner insulation foam
<b>Aperture size [mm]:</b>	130 x 80, 4mm thick AR glass
<b>Aperture heating:</b>	Internal; regulated with a thermostat
<b>Aperture protection:</b>	Top-side aperture overlap
<b>Ventilation:</b>	3 cooling fans, each 220m <sup>3</sup> /h; 71dBA
<b>Airflow outlet:</b>	Front-side, below the output aperture
<b>Air-conditioning:</b>	External AC unit - available from 5/2021
<b>Power requirements [V]   Input:</b>	100-230/50-60Hz
<b>Max. power consumption [VA]:</b>	340
<b>Electrical safety:</b>	1x RCD, 1x circuit-breaker
<b>Maximum tilt [degrees]:</b>	50 on both axes
<b>Inside equipment fixings:</b>	Rubber-feet slots, ratchet strap
<b>Carrying handles:</b>	2 heavy-duty handles, one on each side
<b>Access restriction:</b>	Lid lockable with 2 locks with hatches
<b>Production schedule:</b>	4-5 weeks