



BAADER ALLSKY DOMES OVERVIEW

Ø Dome Size		2.3 m	3.5 m	4.5 m	6.5 m
Segments open & closing time(s)		30 s (Highspeed Upgrade Available)			60 s (Highspeed Upgrade Available)
Recommended telescope aperture		up to 400 mm	up to 800 mm	up to 1.000 mm	up to 1.750 mm
Total Mass		up to 500 kg	up to 1.300 kg	up to 2.000 kg	up to 5.000 kg
Power Parameters	Voltage	230 V (50/60 Hz)	230 V (50/60 Hz)	230 V (50/60 Hz)	400 V 3ph (50/60 Hz)
	Max. Peak (incl. Ads. dryer)	3.25 kW (3.75 kW)	4.5 kW (6 kW)	4.5 kW (6 kW)	22 kW (23.5 kW)
Wind Speeds	Survival	Standard: up to 200 km/h / optional High-Alpine Upgrades up to 300 km/h available			
	Operational	up to 60 km/h (7 bft max. gusts)			
Temperature Range	Survival	Standard: -40°C to +60°C / optional Climatic Performance Upgrades available			
	Operational	Standard: -20°C to +40°C / optional Climatic Performance Upgrades available			
Humidity inside the dome	Survival	45 - 60% (Recommended: Dome Adsorption Air Drying Unit Set Permanent humidity of 100% <u>outside</u> the dome is no problem)			
	Operational	45 - 100% (Operation at up to 100% humidity inside possible for up to 24h, afterwards humidity must be reduced to <60%)			
Dome Air Volume		8 m³	23 m³	41 m³	129 m³
Material		Glass-fiber reinforced polyester (GRP), double layer with intermediate insulation			
Required RCD		All current sensitive residual circuit breaker (Typ B, I _{err} = 300mA)			
Command & Control		IR-Hand Controller, RS232 and TCP/IP (Webinterface and native API)			
Emergency Closure	Power Fail	Manually (auxillary electric drive) / Optionally: UPS			
	Weather	Weather Station included for emergency closure only, no readout			
Communication Protocol		Proprietary API (TCP/IP, RS232), ASCOM-Alpaca (TCP/IP), ASCOM (RS232), INDIGO (RS232)			
Mandatory Base		Round concrete wall base	Oblong concrete wall base		
Upgrades available upon request		Absolute Encoders, Highspeed Segment Open/Closing times, Uninterrupted Power Supply, Professional Weather Station, Climatic / Environmental Performance Upgrades, Custom Modifications / Mounting Points, Lightning Mitigation			

