

C-QUESTER 3

The C-Quester 3 is the best choice for anyone looking for a robust, spacious and easy to handle submersible. Specially designed for exploring the underwater world in the luxury of a one-atmosphere pressure hull with air conditioning, the C-Quester 3 sets the standard for private, professional and high-end commercial underwater operations.



Dimensions and Weight

Dimensions LxBxH	484 cm x 240 cm x 257 cm
Optional Storage Height	243 cm (without dome protection)
Weight (ex. passengers)	4410 kg (Salt water)
Maximum Allowable Payload	300 kg (Salt water)

General Characteristics

Occupants	1 pilot and 2 passengers
Maximum Operating Depth	100 metre/ 330 feet
Operational Autonomy	up to 8 hours
Pressure Hull Material	Acrylic and Steel
Hatch Type	Clamshell
Type	Dry, 1 atmosphere submersible
Classification	Germanischer Lloyd
Maximum Sea State	3

Propulsion

Propulsion Type	Electrical
Propulsion Horizontal	2 x 2.0 kW Thrusters
Propulsion Vertical	2 x 1.3 kW Thrusters
Surface Speed	4 knots
Underwater Speed	2 knots

Life Support Systems

Oxygen System	Continuous Flow
Mission Oxygen Capacity	3 Litre (Quick Exchange)
Emergency Oxygen Capacity	2 x 20 Litre @ 200 bar
Carbon Dioxide Removal	8 hours with Calcium Hydroxide
Survival Period	96 hours
Emergency CO2 Removal	Lithium Hydroxide Blankets
Autonomous Breathing Device	3
Life Support Monitoring	2 independent life support monitors (O2 - CO2)

Ballast & Buoyancy Systems

Number of Ballast Tanks	4
Main Ballast Tank Capacity	2200 Litre
Compressed Air Capacity	4 x 20 Litre @ 200 bar
Hydraulically Releasable Weight	100 kg
Buoyancy Tank	100 Litre

Power Capacity

Total Power Capacity	21.6 kWh
Battery Type	High Capacity Lithium-ion
Propulsion System Capacity	2 x 130VDC Battery Packs - 15.6 kWh
House System Capacity	2 x 24VDC Li-ion Battery Packs - 6 kWh
Charging (Optimal Cycle)	4 - 6 hours
Emergency Battery	96 hours for Critical Systems

Navigation, Communication, Auxiliary

Air Conditioner System	7,000 BTU
Underwater Communication	Single sideband acoustic telephone, 25 kHz
Surface Communication	VHF Handheld Unit
Navigation (standard) Information	Echosounder, Magnetic Compass
	Alarm System, Battery Monitoring, Digital Internal Pressure, Digital and Analogue Depth Gauge, Insulation Monitoring, Water Sensors and Battery Compartments, Freon Sensor, Buoyancy tank Level Indicator
Safety Equipment	Pinger Tracing System, Emergency Releasable Buoy, Analogue Internal Pressure Monitoring, Dead-man Switch, Fire extinguisher, External valve and air connection for diver-assisted ascent
Other	Protective Cover for Acrylic Viewport, Magnetic Rubber Protector Ring Mating Flange, Checklists and Operations/Technical/Maintenance Manuals