



R/V Poseidon

VESSEL PARTICULARS

Size/Type:	Ocean-Going Research, Marine Survey, and Offshore Support Vessel		
Class Society, Class, Notations:	U.S. Coast Guard Inspected Vessel with ABS Load Line Certification		
Operational Region:	Worldwide (project dependent)		
Home Port:	Homer, Alaska	Country of Origin/Flag:	USA
Gross Weight:	288 GT ITC / 97 GRT	Affiliation:	Support Vessels of Alaska
Length:	39.6 m / 130 ft LOA	Beam:	9.1 m / 30 ft
Draft:	2.4-3.0 m / 8-10 ft	Depth:	3.6 m / 11.9 ft
Hull:	Steel		
IMO Number:	9040596	O.N.:	975505
Call Sign:	WDK3553	MMSI:	368046360

PERFORMANCE

Max Speed:	10 knots	Cruise Speed:	8.5 knots
Range:	~ 6,500 nautical miles	Endurance:	~30 days

OCCUPANCY / ACCOMMODATIONS

Total Scientists:	14 Scientific Personnel
Cabins:	Four 4-person cabins, two 2-person cabins; Two private, two shared heads/showers
Crew:	5 - 6
Restrooms:	Four heads, Four showers (Two shared, Two private)
Medical:	U.S. Coast Guard-required medical kits; additional Maritime Physicians medical kit with 24-hour call service; automated external defibrillator (AED)
Air Conditioning:	Two central air-conditioning units and two central heating units
Amenities:	Two washers and two dryers; multiple televisions; large walk-in cooler; multiple standard freezers; Starlink high-speed internet

SCIENTIFIC / TECHNICAL EQUIPMENT

Oceanographic Winch + Conductive Cable:	Project-specific: SVA maintains an inventory of oceanographic winch systems that can be mobilized to meet client requirements. Conductive cable, electromechanical cable, wire rope, and synthetic line configurations are available for CTD operations, instrument deployment, coring, towed systems, and other scientific applications
Lifting Apparatus:	Modular hydraulic stern A-frame configurable to 5,000, 10,000, or 14,000 lb SWL with multiple height configurations; hydraulic upper-deck crane: 2,793 lb SWL; dedicated piston core deployment and recovery cradle and trough; hydraulic over-the-side arm
Winches:	Project-specific hydraulic winch systems selected from SVA's inventory to meet mission requirements
Flybridge/Observation Deck:	--
SCUBA Support:	Easy diver ingress/egress; spacious deck staging; ample space for dive cylinders and equipment; support for small boat operations; configurable deck layout for project-specific dive systems
Fishing:	Supports rod-and-reel and trolling operations as required for project-specific fisheries and biological sampling

Sonar:	Furuno FCV-295 sounder; Koden CVS-FX1 sounder with selectable frequencies from 24 kHz to 240 kHz
Scientific Freezer (m³):	70" x 33" x 28" Ultra Cold
Flow-Through Water Sampling System:	Through-hull seawater connections available; configurable to accommodate client-furnished flow-through water sampling systems
CTD Equipment:	Vessel routinely supports deployment and recovery of client-furnished CTD systems (No permanent CTD aboard)
Other Scientific Equipment:	Vessel is configured to support client-furnished hydrographic, geophysical, geotechnical, environmental, oceanographic, cable-route, remotely operated vehicle (ROV), and offshore research systems. Project-specific equipment is mobilized to client requirements.

LABORATORIES / SCIENCE WORK AREAS

Office/Workspace	Dedicated office/workspace ~16'2" x 15'6", suitable for mission planning, data processing, scientific operations, and meetings
Wet Labs (m²/ft²):	Dedicated wet laboratory ~12' x 18', suitable for sample processing, equipment staging, and project operations
Dry Labs (m²/ft²):	The dedicated office/workspace can serve as a dry laboratory and data-processing area; additional portable laboratory space may be mobilized subject to project requirements and stability/deck-loading review
Deck Area (m²/ft²):	Lower open working deck ~25'6" x 28'; upper open working deck ~32'6" x 19' (less crane pedestal and life-jacket storage); suitable for client equipment, winches, portable laboratories, and project mobilization, subject to deck-loading and stability review

ADDITIONAL VEHICLES / SUPPORT

Boats:	Project-specific support craft, including amphibious craft, commercial-grade work skiffs, and inflatable boats
AUV:	Supports launch, recovery, and operations of client-furnished AUVs, gliders, and autonomous survey systems
ROV:	Supports launch, recovery, deployment, and operation of client-furnished ROV systems; vessel configured to support inspection, survey, and intervention missions
Submersible:	Supports deployment and recovery of client-furnished unmanned submersible systems, subject to project requirements
Flight:	Supports UAS/drone launch and recovery operations

ELECTRONICS / NAVIGATION / COMMUNICATIONS

Navigational Equipment:	Furuno FA-170 Automatic Identification System (AIS) with IF-1500 interface; Simrad AP-70 autopilot with AC70 controller; Furuno RDP-150 radar; Furuno RCU-140 backup radar; Furuno GP-170 GPS navigator; Furuno SCX-21 satellite compass with GP-39 controller; TimeZero Professional navigation software version 4.2.0.138; three Simrad chartplotters used for wide-view navigation.
Communications Equipment:	Two Standard Horizon GX2000 VHF radios; two Furuno FM-8900S VHF radiotelephones; five handheld VHF radios; Furuno FS-2575C SSB radio; Iridium handheld satellite telephone
Satellite Communications Equipment:	Starlink high-speed internet; Iridium handheld satellite telephone.
GPS Equipment:	Furuno GP-170 GPS navigator; Furuno SCX-21 satellite compass with GP-39 controller; GPS positioning integrated with TimeZero Professional navigation software and Simrad chartplotters.

OTHER FEATURES

Oceans-certified, DP-1, long-endurance research and offshore support vessel delivering many of the capabilities of much larger research vessels in an efficient, cost-effective midsize platform. Configurable deck layouts, handling systems, winches, support craft, and scientific equipment allow the vessel to be tailored to meet project-specific requirements.

Twin Cummins KTA19-M3 main engines (1,280 total horsepower); twin 99 kW, 120/208 V, three-phase generators with 480 V, 30 A three-phase power available via transformer for client equipment; bow thruster; water maker; 27,188-gallon usable fuel capacity; 1,900-gallon freshwater capacity; 64,600-gallon ballast system; four dry-storage/cargo tanks totaling approximately 24,000 gallons; 1,500-gallon black-water holding capacity; large walk-in cooler; SOLAS A-Pack lifesaving equipment including life rafts, immersion and exposure suits, SART, 406 MHz EPIRB, and automatic/manual firefighting systems. Complete safety specifications available upon request.



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