



# Self-Propelled Accommodation Barge



## Accommodation Specifications

### Classification

✘ A1 ✘ AMS ✘ DPS-1 Self-Elevating Unit (Self Propelled up to 6 knots, Dynamically Positioned)  
Self-Elevating Accommodation Vessel that complies with IMO MODU code

### General

Vessel Size . . . . . 91-m x 55.5-m x 7.6-m (298-ft x 183-ft x 25-ft)  
 Min. Operating Water Depth . . . . . 8.5-m (4-m from waterline to vessel bottom + 1.5-m thruster exposure + 3-m safety margin)  
 28-ft (13-ft from waterline to vessel bottom + 5-ft thruster exposure + 10-ft safety margin)  
 Max. Operating Water Depth . . . . . 106-m (129-m Leg – 6-m tower – 9-m estimated air gap – 7.6-m estimated penetration)  
 350-ft (425-ft Leg – 20-ft tower – 30-ft estimated air gap – 25-ft estimated penetration)  
 Variable Deck Load . . . . . 2,722 tonnes (3,000 tons)  
 Max. Usable Deck Area . . . . . 1060-m<sup>2</sup> (11400-ft<sup>2</sup>)  
 Min. Usable Deck Area . . . . . 619-m<sup>2</sup> (6658-ft<sup>2</sup> located underneath Skidding Pedestal Main Crane with 3-m or  
 10-ft vertical clearance)  
 Electrical Capacity . . . . . 7800KW main, 1300KW emergency  
 Crane Capacity . . . . . One (1) Favco PC-300HD 280-tonne (308-tons) Skidding Pedestal Crane. 280-tonne (308-tons)  
 at 20-m (66-ft)  
 Two (2) Favco Model 7.5/10K 45-tonne (50-tons). 40-tonne (44 -ons) at 20-m (66 ft)  
 Helideck Capacity . . . . . 12,826-kg (28,218-lbs) designed to land Sikorsky® S92 Helicopter

### Living Quarters (Maximum Occupancy)

Accommodations . . . . . 120 persons in 1-, 2-, or 4-person cabins  
 Climate-controlled with 2 air units per floor (designed for -23°C to 41°C or  
 -10°F to 105°F ambient temperature)  
 Customer Offices . . . . . 8 offices maximum  
 Customer Complement . . . . . 94 berths (Four 1-person cabins, Fifteen 2-person cabins, Fifteen 4-person cabins)  
 Crew Complement . . . . . 26 berths (Two 1-person cabins, Two 2-person cabins, Five 4-person cabins)

### Living Quarters (2-Person Occupancy)

Accommodations . . . . . 90 persons in 1- and 2-person cabins  
 Climate-controlled with 2 air units per floor  
 (designed for -23°C to 41°C or -10°F to 105°F ambient temperature)  
 Customer Offices . . . . . 8 offices maximum  
 Customer Complement . . . . . 64 berths (Four 1-person cabins and Thirty 1-person cabins)

## Accommodation Specifications *(continued)*

Crew Complement	26 berths (Two 1-person cabins, Two 2-person cabins, Five 4-person cabins)
Service Elevator	Multi-use elevator between levels 0 – 3
Officer Galley	24 persons at one seating, food handling equipment adheres to strictest international hygiene standards (Halal)
Main Galley	56 persons at one seating, food handling equipment adheres to strictest international hygiene standards (Halal)
Triage Room	State-of-the-art hospital/triage Room complete with two beds and minor diagnostic equipment.
Control Room	DP 1 control room with dual controls, redundancy and emergency communications equipment
Helicopter Transit Room	24-person helicopter transit room with Audio/Visual Training equipment
Conference/Training Room	18-person (37-m <sup>2</sup> or 400-ft <sup>2</sup> ) recreational/training room complete with Audio/Visual equipment
Officer Recreational Room	10-person (18.5-m <sup>2</sup> or 200 ft <sup>2</sup> ) recreational room complete with Audio/Visual equipment
Prayer Room	One non-denominational prayer room
Gymnasium	One (33.5-m <sup>2</sup> or 360 ft <sup>2</sup> ) Multi-station Gymnasium
Internet Room	Six-station high speed internet café
Fresh Water	Alfa-Laval® Dolphin 60 with 48,000 liters/day or 50-m <sup>3</sup> /day (16,000 gal/day or 380 bbls/day) capacity
Black Water	Omni-Pure® sanitation system sized for 200-person capacity

### Storage Capacities

Drill Water	1044-m <sup>3</sup> (8,900-bbl) capacity
Potable Water	342-m <sup>3</sup> (2,100-bbls) capacity
Brine Water Storage	657-m <sup>3</sup> (5,600-bbls) capacity
Ballast Water	5397-m <sup>3</sup> (34,200-bbls) capacity
Diesel Fuel	668-m <sup>3</sup> (4,000-bbls) capacity
Lube Oil	4.5- m <sup>3</sup> (28 bbls) capacity
Sludge Storage	17.8-m <sup>3</sup> (110 bbls) capacity
Dirty Oil Storage	11.3-m <sup>3</sup> (70 bbls) capacity
Sack Storage	152-m <sup>3</sup> (5,000-sacks or ft <sup>3</sup> ) capacity
Max. Usable Deck	1060-m <sup>2</sup> (11400-ft <sup>2</sup> )
Min. Usable Deck	619-m <sup>2</sup> (6658-ft <sup>2</sup> )
Covered Storage	370-m <sup>2</sup> (4000-ft <sup>2</sup> ) below deck

### Safety Systems – SOLAS - compliant

Fast Rescue Boat	(1) Jiangyin Neptune Marine NPT95RF (or equivalent)
Survival Lifeboats	(2) 120-person, self-propelled, self-righting, pressurized life boats
Inflatable Life Rafts	(5) 25-person (3.6-m x 1.8-m or 12-ft x 6-ft) covered rafts, auto-release
Fire Detection System	Integrated battery back-up system
Fire Pumps	(2) Desmi® S100-80-220 (4x3x9) 1514-liters/min (400-gpm) at 10.3-bar (150-psi), 44.8-KW (60-hp) motor Desmi NSL125-265 deluge foam fire fighting pump
Fire Hydrant Systems	(3) Stations with 64-mm (2½-in) hose with combination fire nozzles (helideck) (18) 38-mm (1½-in) hose stations located throughout ESV
CO <sub>2</sub> System	Fixed CO <sub>2</sub> system for main hazard rooms (warning signal automatically sounds)
Fire-fighting Suits	(3) outfits onboard with SCBA
Dry Fire Extinguishers	30 each plus spares
Life Jackets	(250) Safe-Guard® personal floatation devices
Working Life Jackets	(59) Billy Pugh® WVO-100 (or equivalent)
Life Buoys	(8) Billy Pugh hard foam (or equivalent)
Rope Ladders	(2) 22.9-m (75-ft), port and starboard legs
Gas Detectors	Portable hand-held gas detectors
Ring Bottom Baskets	(2) 6-person, Billy Pugh ring bottom net (or equivalent)



Main Galley



Officers' Galley