



GENERAL DESCRIPTION		STORAGE CAPACITIES	
Design	Aker H-4.2 Harsh Environment	Fuel Oil	17,743 bbl (2,821 m3)
Constructing Shipyard	Hyundai Heavy Ind., South Korea	Liquid Mud	Surface Mud System 3,232 bbl (513.8 m3) / P16 Reserve 600mt
Year Entered Service / Significant Upgrade	1990	Brine	3,145 bbl (500 m3)
Classification	DNV+1A1, Non-Self Propelled	Base Oil	3,748 bbl (595.8 m3)
Flag	Bermuda	Drill Water	13,632 bbl (2,167 m3)
Dimensions	360 ft (109.7 m) long x 273 ft (83.2 m) wide x 130 ft (39.6 m) deep	Potable Water	4,236 bbl (673 m3)
Drafts	77.10 ft. (23.5 m) operating / 24.5 ft. (7.4 m) transit	Bulk Material	20,000 cu.ft (386 m3)
Accommodation	120 persons	Sack Storage	1,130 sq.ft (104 m2) / 4,000 sacks
Displacement	39,503 mt operating / 26,009 mt transit		
Variable Deck	3,099 mt operating / 2,520 mt transit		
Transit Speed	up to 5 knots		
Maximum Water Depth	1,969 ft (600 m) designed / 1,969 ft (600 m) outfitted		
Maximum Drilling Depth	20,000 ft (6,096 m)		

DRILLING EQUIPMENT		BOP & SUBSEA EQUIPMENT	
Derrick	Dreco, 170 ft. (52 m) high, with 40 ft. (12 m) x 40 ft. (12 m) base	BOP Rams	1 x Hydril Compact Triple 18-3/4" x 15,000psi ram preventer, 1 x Hydril Compact Double 18-3/4" x 15,000psi ram preventer (5 rams total)
Hookload Capacity	750 st (680 mt)	BOP Annulars	1 x Hydril Dual Annuflex 18-3/4" x 10,000psi preventer (2 annulars total)
Drawworks	National Oilwell 1625DE, 3 x GE 725 DC electric motor; 3,000 hp	BOP Handling	Asea Hagglund BOP crane 1 x 300st (272 mt) main hoist. 1 x Overhead crane with 2 x 60st (54 mt) hooks (total capacity 120st (108 mt), also used to assist tree handling)
Compensator	Brown Brothers, 25 ft. (7.6 m) stroke, 300 st (272 m) compensating, 750 st (680 mt) locked	Marine Riser	Cameron RD21, 21" OD x 20" ID x 50 ft. (15.2 m) joint
Rotary Table	National Oilwell C495 49-1/2" hydraulic, 880 st (798 mt)	Tensioners	4 x NL Shaffer Double riser tensioners, 40 st (36 mt) each; 2 x Western Double riser tensioners 50 st (45 mt) each
Top Drive	Varco TDS4SH, 650 st (590 mt) capacity, with 1 x GE752 motor, rated to 45,500 ft.-lbs. continuous drilling torque in low gear	Diverter	49-1/2" 500 psi Hughes KFDS Line ID diverter with 14" flow line
Tubular Handling	Aker MH (Upper and Intermediate stand lift racking arms, Rig floor manipulator) pipe racking system	Tree Handling	1 x MOSS Skid rail type 1 x 150 st (136 mt)
Iron Roughneck	Varco AR3200	Moonpool	32 ft. (9.7 m) length x 22 ft. (6.7 m) width
Mud Pumps	3 x National 12-P-160 1,600 hp Triplex pumps, each driven by 2 x GE-752 traction motors		
HP Mud System	Rated for 5000 psi		
Solids Control	4 Thule VSM-300 shale shakers		
STATION KEEPING / PROPULSION SYSTEM		CRANES	
Thrusters	8 (2 each corner) azimuthing Schottel thrusters, each driven by NEBB QWV 710 A8 motor 2,800 kW, variable blade	Crane #1	1 x 82.5 st (74.8 mt) Liebherr BOS 2600 crane
Mooring System	4 (double) Pusnes 620 CU Hydraulic/Electric drum winches with 341 st (309.9 mt). static brake capacity, 8 x mooring lines (if present) consisting of 6,233 ft. (1,899 m) of 3" stud link chain, with 8 x Stevpris Mk5 16.5 st (14.9 mt). anchors	Crane #2	1 x 38 st (34 mt) Brattvaag KHO3516 crane with 164 ft.(49.9m) Boom
POWER & MACHINERY		OTHER INFORMATION	
Main Power	8 x NOHAB F316A diesel engines rated at 3,580 kW, 900 rpm, each driving 1 x 3,400 kW AC generator	Helideck	Rated for Sikorsky S-61N / S 92 helicopters. 89 ft. (27 m) diameter.
Emergency Power	1 x GM Detroit Diesel Allison diesel engine rated 1,049 kW, 1,800 rpm driving 1 x AC generator	Burner Booms	2 x 90 ft (27.4 m)
Power Distribution	14 x GE Microdrill 750 VAC SCR switchboards	Loading stations	Hanging type loading stations (port and stb.) with hoses for potable water, drilling water, fuel, OBM, WBM, cement, base oil, and brine

This short form specification is intended for general reference purposes only. The specification of the drilling unit concerned is subject to contract and Dolphin Drilling does not warrant the accuracy or completeness of this short form specification.

