

RIG FLEET SPECIFICATIONS

Rig Type	Independent Leg Self Elevating Jack-Up
Design	Central Design Bureau "Koral", Sevastopol
Previous Names	--
Built By	Vyborg, 1991
Upgraded	2006-2007, 2012-2013
Classification	RMRS K* Self-Elevating MODU
Flag	Russia
Min/Max Water Depth	10 m to 100 m (32.8 ft to 328 ft)
Max Drilling Depth	6500 m (21332 ft)
Accommodation	84 berths (8 single & 38 double)
Helideck	22 x 22 m , Max weight - 12 t rated for K-32; MI-8
Operating condition	Wave: 55.8 ft @ 15 sec; Wind: 64 kns; Surface Current: 1.46 m/sec
Storm Condition	Wave: 71 ft @ 17 sec; Wind: 93.3 kns; Surface Current: 1.46 m/sec

VESSEL

TECHNICAL DIMENSIONS

Hull Dimensions	79.6 m x 68 m x 9.7 m
Loadline Draft Lightship	5.3 m
Draft Variable Deck	--
Load (VDL)	Operating: 2456 mt Survival: 2456 mt

MACHINERY

Main Power	3 x 2,000 kW DGR2A 1800/750 3 x 2,500 KVA TCC-2000-750-OM4 generators, 690 V / 50
Auxiliary Power	3 x 200 kW DGR 200/750
Emergency Power	1 x 200 kW DGR 200/1500(U38)
Power Distribution	--
Deck Cranes	2 x Favelle Favco 8/10K 1 x Load/radius: 45 mt / 21.5 m 1 x Load/radius: 45 mt / 21.5 m

JACKUP SPECIFICATIONS

Legs	Triangular 3 x 146 m (479 ft);
Leg Spacing	52/69 m (170,6 / 226,4 ft);
Spud Cans	Round with cutouts, 177 m ² (1,905 ft ²)
Jacking System Console	Rack and pinion system Transverse: 11 m (36,1 ft) Longitudinal: 10 m (32,8 ft)

STORAGE CAPACITIES

Liquid Mud	365 m ³
Drill Water	402 m ³
Potable Water	270 m ³
Fuel Oil	440 m ³
Bulk Bentonite	8 x 36 m ³
Bulk Cement	4 x 36 m ³
Sack Material	100 t

MOORING EQUIPMENT

Winches	Bow: 2 Russian IIIIE-70 Capstans Stern: 2 Ruama Repola
Anchor Wire	Bow: 76 mm x 1640 ft; Stern: 51 mm x 3281 ft

JACK-UP "Murmanskaya"



DRILLING PACKAGE

DERRICK

Manufacturer/Type	Uralmash (Russia)
Dimensions	54 m x 10 m x 11 m (177 ft x 32,8 ft x 36,1 ft)
Max Hook Load	400 mt (882 000 lb) with 12 lines
Racking Capacity	224 x 5" DP, 220 x 5½" DP, 72 x 6½" DP,

DRAWWORKS

Manufacturer/Type	National -1625 DE
HP Rating	1,500 kWt driven by 2 GE 752 DC motors.
Brakes	Baylor 7838 – ELMAGO

TOP DRIVE

Manufacturer/Type	Maritime Hydraulics DDM -650 L DC
Output Power	GE 752 807 kWt
Rated Capacity	590 mt (650 st)
Continuous Torque	50,400 ft lbs @ 237 rpm

ROTARY TABLE

Manufacturer/Type	Wirth RTSS
Rated Capacity	800 t
Max. Opening	49" (1 244.6 mm)

MUD PUMPS

Manufacturer/Type	3 x WIRTH TPK – 1600 71/2" X 12"
HP Rating	1,600 hp (each)
Max. Pressure	5 000 psi

SOLIDS CONTROL

Shale Shakers	4 x National Oilwell / DLMS-380P
Desander	1 x Brandt with cones 12 x 4"
Desilter	1 x Brandt with cones 16 x 4"

WELL CONTROL SYSTEMS

BOP Stack I	1 x 21-1/4" x 2,000 psi Hydril annular, H2S certified; 2 x 21-1/4" x 2,000 psi Cameron double ram, H2S certified
BOP Stack II	1 x 13-5/8" x 5,000 psi MTQ annular, 2 x 13-5/8" x 10,000 psi Cameron double ram, H2S certified
Diverter	MTQ 29-1/2", 500 psi (34 bar) WP
Control System	CAD Accumulator Unit; Accumulator capacity: 400 gallons
Choke & Kill	15,000 psi (1,035 bar) C&K manifold with 2 x adjustable Cameron chokes, 2 remote choke & 10K by-pass lines, H2S certified