

EQUIPMENT SHEET

BOKA PIONEER

DP2 SUBSEA SUPPORT VESSEL



CONSTRUCTION / CLASSIFICATION

Built	2011, Singapore
Classification	DNV
IMO number	9594169
Call sign (flag)	9V3761 (Singapore)

FEATURES

The M/V PIONEER is a Dynamically Positioned (DP-2) offshore subsea support vessel, well equipped for offshore construction, ROV, Diving, Survey and geotechnical support roles.

The PIONEER is equipped with a 50-ton subsea crane, and capable of plumbing to water depth of 1,000 m

Helideck	suitable for Sikorsky 92
Moonpool	5.4 x 5.2 m

MAIN DATA

Gross tonnage	4,399 GT
Net tonnage	1,319 NT
Length overall	82.20 m
Breadth moulded	20.40 m
Depth moulded	7.00 m
Draught moulded	5.50 m
Deck area/load	700 m ² @ 10 t/m ²
Cargo capacity	1,000 t

PROPULSION

Main engines	2 x 2,206 kW @ 750 rpm, Niigata 8L28 HX
Main propulsion	2 x Niigata ZP-41 CP stern steerable thrusters
Main generator	4 x 910 kW Caterpillar 3508B DITA with Stamford
Emergency generator	1 x 350 kW Caterpillar 3412C with Stamford alternator 440 V/3 pH. 60 Hz @ 0.8 P.F., 1,800 rpm
Bow thruster	3 x 680 kW electric-driven Kawasaki KT-88B3 Double skin tunnel thruster, CPP, abt. 10.5 t thrust each

TANK CAPACITY

Fuel	800 m ³ (680 m ³)
Fresh water	800 m ³ , approx.
Ballast water	1,700 m ³ , approx.
Fuel consumption (approx.)	Standby: 2.5 m ³ /day DP2 mode: 12 m ³ /day Transit@9 kts: 12 m ³ /day Transit@11 kts: 15 m ³ /day

DYNAMIC POSITIONING

DP classification	DP-2
DP system	Kongsberg Maritime KPOS DP21 Independent C-Joystick System
Reference systems	1 x HiPAP500, 1 x Laser Cyscan 1 x Radius, 2 x DGPS Taut wire system (500 m)

ACCOMMODATION

Total allowed persons	120
Cabins	8 x Single berth 8 x Double berth 24 x 4 berth
Facilities	2 x Large project offices 1 x Dedicated TV room 1 x Cinema 1 x Dedicated conference room 1 x Dedicated hospital facility 1 x Fully equipped gymnasium 1 x Prayer room

LIFE SAVING EQUIPMENT

Lifeboats (enclosed)	Solas, 2 x 60 persons each
Life rafts	Solas, 2 x 16 persons each
Fast rescue boat	Water jet, 1 x 15 men c/w 160 hp

DECK CRANE MAIN

Electro-hydraulic knuckle boom, main boom
lifting capacity 50 t @ 5 m-12 m / 20 t @ 30 m
(DAF 1.6)
TTS GPCKO 2000-5-30