

BEACON ALTAIR

DPII / 4P MOORING - IRM ROV & DIVE SUPPORT



PRINCIPAL PARTICULARS

Built / Class: 2008 / ABS
Port / Flag: Bangkok / Thailand
LOA / Breadth: 60.00m / 15.60m
Deck Area: 377m²
GRT/NRT: 1973 / 592
Main Eng.: 2 x 1400 kW (2 x 1877 BHP)
Propulsion: CP Azimuth Thrusters
Main. Gen.: 4 x 320 kW / 440 V
Shaft Gen.: 2 x 625 kW / 440 V
Berths: Total 60 persons
Crane: 24T AHC 2,300m
Deck Winch: 1 x 15T Tugger / 2 x 10T Capstan
4P Mooring: Electro Hydraulic / 1000m wire
Anchors: 4 x 3 ton Delta Flipper
WROV: Perry Slingsby Triton XLR / TMS
Light WROV: SeaEye Cougar / TMS

DPII & 4 POINT MOORING
 TRITON XLR 150HP WROV
 SEAEYE COUGAR LIGHT WROV
 DUAL-LARS DIVE SYSTEM
 QUINCYs POSITIONING SYSTEM
 24T AHC 2300m SUBSEA CRANE
 PRECISION LIFTING TO 2,100M
 IRM & SURVEY OPERATIONS

General Description

Type	Multi Purpose Dive & ROV Support
Classification	ABS DPII SUPPORT VESSEL
Port / Flag	Bangkok / Thailand
IMO	9394296
Year Built	2008

Principal Dimensions

Length Overall	60.00m
LBP	58.70m
Breadth Moulded	15.60m
Depth Moulded	6.00m
Draft, min / max	3.50m / 5.0m
GRT / NRT	1973T / 592T
DWT	1200T
	Max 10kn. @ 13.5m ³ / day
Speed & approx. consumption	Economical 8.5kn. @ 11m ³ / day
	DP Operations @ 7~9m ³ / day

4 Point Mooring System

Electro Hydraulics	Fwd. 2 x 30t - Aft 2 x 24t
Wire Rope	36mm dia. @ 1000m length
Anchors	4 x 3000kg Delta Flipper

Power & Propulsion

Main Engines	2 x 1,400 kW (2 x 1877 BHP)
Propulsion	2 x CP Azimuth Thrusters
Bow Thruster	2 x 400 kW CP Tunnel
Main Generators	4 x 320 kW / 440V
Shaft Generators	2 x 625 kW / 440 V
Emergency Gen.	1 x 60 kW / 440 V

Main Deck

Main Deck Area	377 m ² @ 5 t/m ²
Mezzanine Decks	144 m ² @ 5t/m ²

Capacities

Fuel Oil	643 m ³
Fresh Water	434 m ³

Accommodation

Bridge Deck	6 x 1 Bunk Cabin (all en-suite)
Forecastle Deck	2 x 2 Bunk Cabins (all en-suite)
Tween Deck	3 x 2 Bunk Cabins (all en-suite)
	8 x 4 Bunk Cabins (all en-suite)
	2 x 2 Bunk Cabins
	2 x 4 Bunk Cabins
	Total 60 Bunks

Deck Equipment

Main Crane	SMST Knuckle Boom AHC 2,300m
(man riding)	DAF 1.3: 24t@10m (DF) / 6t@19m
	DAF 1.6: 20t@6m (DF) / 6t@19m
Tugger Winch	1 x Hydraulic @ 15t
Capstans	2 x Hydraulic @ 10t
Deck Air Supply	7 BAR
Deck Power Sup.	2 x 350 kW / 440V

Modular Dive System

Code	IMCA D023 Certified
DDC	60" Twin Lock
Control Panel	3-Diver Hard Plumbed
HP Compressors	1 x 250 ltr./min. @ 200 BAR
LP Compressors	2 x 1800 ltr. / min @ 16 BAR
Launch & Recov.	Dual LARS

ROV Systems

WROV	1 x Perry Triton XLR - 125HP - 3000m
	Top Hat Perry 4A TMS w. 380m Tether
	10t SWL Deepwater Lawson LARS
Light WROV	1 x 7F Schilling T4 Manipulator
	1 x 5F Whittaker Grabber
	1 x SeaEye Cougar - 2000m
	Lars / TMS 3. 200m Tether
	2 x 5F/6F Manipulators
	(data sheets available on request)

DP / Surface / Subsea Positioning

Type	DPII
Brand	Converteam ADP21 Duplex
Reference 1	DGPS 1 Fugro Seastar 9205
Reference 2	DGPS 2 Fugro Seastar 9205
Reference 3	Cyscan Mk. 4 Laser System
Reference 4	Sonardyne Ranger 2 USBL
Reference 5	Taut Wire, Bandak 15B
Surface Positioning	Veripos LD5
Subsea Beacons	Sonardyne 6G
Positioning Software	QINCY & EIVA

Communication

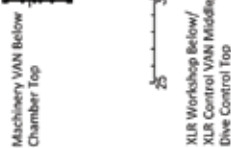
Network Innovations	Intellian V80G Ku-Band VSAT & Iridium Pilot
Video Network	Fiber Optic

Other Details

Operator	Beacon Offshore Ltd. sales@beacon-offshore.com
Ship Management	Highland Maritime Ltd.



MEZ DECK/ BRIDGE DECK

[illegible]



