

Acergy Petrel

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Type:
IMR, Survey & Light
Construction

Classification:
DnV+1A1-SF-Ice C,
Helideck-SH-EO-AUTR-
COMF-V(3)

The *Acergy Petrel* is a dedicated IMR, Survey and Light Construction vessel with IMO Class 2 dynamic positioning and advanced hull design for minimal acoustic interference.

- Length 76m x breadth 15m
- Heave compensated 27t crane
- Deck area 350m²
- Accommodation for 55 persons
- 1 x workclass ROV
- State-of-the-art survey suite
- High transit speed

Acergy Petrel

General Description

Type	IMR, Survey & Light Construction
Classification	DnV+1A1-SF-Ice C, Helideck-SH-EO-AUTR-COMF-V(3)
Flag	Luxembourg
Year Built	2003

Principal Dimensions

Length Overall (m)	76.45m
Breadth (m)	15m
Depth Main Deck (m)	8.8m
Operating Draft (m)	7.465m maximum
Gross Tonnage (t)	3371t
Transit Speed (knots)	11.5 knots
Endurance (days)	67 days

DP System

DP Classification	2
Reference System	4 x DGPS, 2 x HiPAP 500, 2 x SeaPath 200, 2 x Standard Gyro, 1 x Fanbeam Interface (Fanbeam not fixed)

Power and Propulsion

Main Engines	
Number	4
Type	Mitsubishi S16R-MPTK
Power (kW)	6760kW
Generators	
Number	4
Type	ABB AMG 500 M4
Power (kW)	6400kW
Thrusters	
Number	5
Type	2 fixed azimuth, 1 retractable azimuth, 2 tunnel
Power (kW)	Fixed azimuth - 2000kW each, retractable azimuth - 1000kW, tunnel - 1000kW each
Location	Fixed azimuth - aft, retractable azimuth - forward, tunnel - forward

Main Deck

Clear Deck Area (m ²)	350m ²
Deck Strength (t/m ²)	5t/m ²

Capacities

Fuel Oil (m ³)	642m ³
Hydraulic Oil (m ³)	32m ³
Fresh Water (m ³)	350m ³
Ballast Water (m ³)	1006m ³

Accommodation

Berths (No.)	55
Cabins (No.)	27 x single cabins 14 x double cabins

Helideck

Type	9.3t, 19.6m BHAB/Helicopter Service. D-19
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Cranes

Main Crane Capacity (t)	21t (typical dynamic lift capacity of 10-13t)
Manufacturer	Hydramarine
Operating Water Depth (m)	1500m
AHC	Max +/-2.5m
Location	Starboard side
Main Crane Comments	Hydramarine Offshore knuckle jib crane, built in accordance to DnV, maximum work radius 15m, maximum hoisting speed 30-60m/minimum depending on load Typical lift is 21t

Moonpool

Moonpool (No.)	1
Dimensions (m)	0.5m x 0.5m

Survey Systems

Online Systems
Eiva Navipac / Naviscan, Visualsoft 3 ch Digital Video Suite, 2 x HiPAP 500, HAIN INS, RDI Doppler log, Octans ROV mounted Gyro, TSS440 Pipetracker, Reference Laser, Hydrins MRU, Trittech SD704 Bathy Head, Paroscientific Digiquartz, SES ROV Mounted Multi Link Side Scan Sonar, CODA Geo-kit, Ultra Thermal recorder, Digital Barograph, 8 x USBL minibeacons and a Weather Station.

Offline Systems
Seamap Processing System, Visual SoftEdit and Review System, Caris Processing Suite, Eiva NaviEdit-NaviModel Processing Suite, Auto Chart, NavLab / MatLab Processing System, a fixed 180Tb RAID and optional removable RAIDs to allow for data-exchange with a client during a project..

Sound Velocity Systems
2 x SAIV SD204

Echosounders - Multibeam
3 x Reson Seabat 8125 single head ROV mounted multibeam sonar, 1 x Simrad EM710 hull mounted multibeam system

ROV System

ROVs (No. and type)	1 x SOLO 2
Operating Depth Rating (m)	3000m
ROV Comments	150 HP free flying Work Class ROV. 1000kg payload, 1 x 7 function, 1 x 5 function manips, forward speed >4 knots, extremely stable purpose designed survey vehicle