



GPM ATHENA II

W2W, 194 POB, E type Gangway, ABS

GPM ATHENA II

WALK TO WORK



Overview / Introduction

Athena II is a 78 m Walk-to-Work Support Vessel, ABS-classed, built in 2014 and flagged in Singapore. Designed for safe and efficient personnel transfer to offshore installations, she is equipped with an Ampelmann E-Type motion-compensated gangway.

General Specifications

Specification	Details
Length Overall	78.00 m
Breadth	20.00 m
Depth	8.00 m
Draft (Max)	6.00 m
Deadweight (DWT)	abt. 3,500 T @ design draft
Gross Tonnage	4918 / 1475
Deck Area	832 m ² (10 t/m ² strength)
Accommodation	194 men
Classification	ABS ⌘A1, (E) Fire-Fighting Class 1, DPS-2, AMS Offshore Support VSL, BWT, CRC
Flag / IMO	Singapore / Call Sign 9V2135

Deck Equipment & Construction Capability

Equipment	Specification
Anchor	2 x HHP AC-14 Anchor 2640 kg
Windlass	2 x 10t @ 9m/min
Capstan	2 x 5 tonnes at 15m/min
Tugged winch	2 x 10 t SWL at 12 m / min
Mooring Anchors	4 x 5T Delta Flipper anchors
Workshop	1 x Workshop c/w Power Sockets
Gangway	Ampelmann E-Type motion-compensated gangway.

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Tank Capacities

Cargo Type	Capacity (m ³)
Fuel Oil	abt. 1,300 m ³
Fresh Water	abt. 799 m ³
Drill Water / Ballast	abt. 2,000 m ³ (SWB/BW Tank)
Brine	abt. 250 m ³
Blige	Abt. 30 m ³
Foam Tank	Abt. 10 m ³
Dispersant Tank	Abt. 10 m ³
Sewage Holding	Abt. 50 m ³
Grey Water	Abt. 50 m ³

Accommodation & Facilities

Capacity	194 men
Cabins	8 × 1-man cabins = 8 men 17 × 2-man cabins = 34 men 38 × 4-man cabins = 152 men
Facilities	Fully A/C, hospital (2 berth), gym (with 2 gym equipments), prayer room, dark room.
Hospital	2 berth hospital

Propulsion & DP

System	Detail
DP Systems Class 2	System, Kongsberg with independent joystick system
Thrusters	2 × CPP Azimuth Steerable Thrusters; 2 × Bow Thrusters CPP (tunnel, thrust 12T each)
Power Generation	Main Gensets: Caterpillar or equivalent, 3 × 550 kW (440 V/3ph/60 Hz) Emergency Genset: 1 × 150 kW (440 V/3ph/60 Hz)
Propulsion	MAX 2 × 2660 kW @ 750 RPM each, CPP Z-drives

Machinery

Main Engines	MAK 8M25C 2 x 2660kw at 750 Rpm each
Shaft Alternator	PTO, 2 x 1200kw each, 440V/3ph/60Hz
Azimuth Steerable Thruster	Berg 2 sets CPP type
Main Genset	Caterpillar or equal, 3 x 550kW/440V/3ph/60Hz
Emergency Genset	1 x 150kw/440V/3ph/60Hz
Bow Thruster	2 sets Berg CPP, thrust -12T each

Radio & Navigation Equipment

Gyro Compass	Raytheon Anschutz
Auto Pilot	Anschutz Pilotstar D
GPS	Furuno
Echo Sounder	Furuno
Radar	Furuno
Radio Equipment	Furuno
Public Addresser	Vingtor
Batteryless Telephone	Vingtor
Magnetic Compass	1 x reflector type compass c/w Azimuth circle

Fire-Fighting equipment

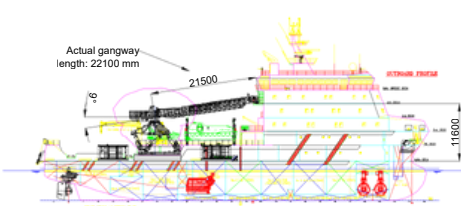
Fire Pump	2 x 1825m ³ /hr at 125m head
Fire Monitor	1x Water Jet type, 1 x Water/foam type
Fixed Water Spraying System Fixed CO2 System	As per FiFi Requirement to be installed in incinerator room, Engine room and bow thruster room
Emergency Fire Pump	1 x 65m ³ /hr @ 60m Head
Liferafts with davits	4 x 15men
Lifeboats	2 x 102 men each, SOLAS type
Fast Rescue Boat	2 x 15men
FFE & LSA	As per Solas Requirement

Others

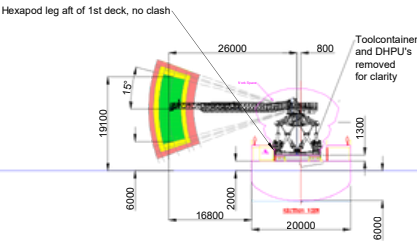
Sewage Treatment Plant	1 x 204 men (vacuum type)
Incinerator	1 x 18,000 kcal/hr
Oily Water Separator	1 x 1m ³ /hr
FW Generator	2 x 60t/day
GS Air Compressor	2 x 600m ³ /hr @ 9 bar
FO Purifier	1 x abt 1500 ltr/hr
LO Purifiers	2 x abt 800 ltr/hr
Calorifier	2 x 1500 ltrs
Fixed H2S Gas detection sys.	GMI

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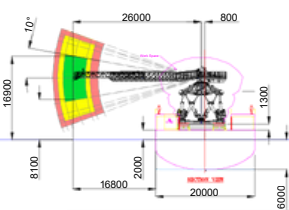
GA SPECIFICATION



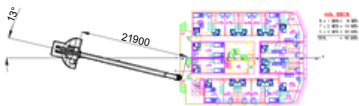
Side view - stowed



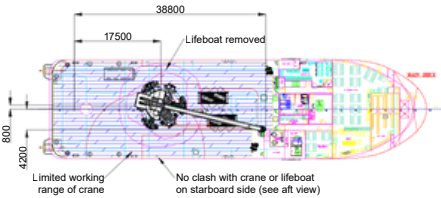
Aft view - showing ship-to-ship working range



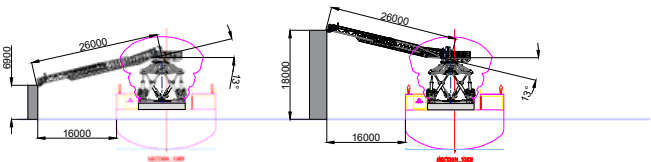
Aft view - showing working range with 10 degrees tuffing



Top view, 4th deck - stowed



Top view, main deck - stowed



Aft view - landing to Forte FPSO at 6.9m

Aft view - landing to Forte FPSO at 16m

A	11-09-2025	New GA	WH	NV	---	---
Rev.	(Date)	Description	Drawn	DMD	SE	Production
				Appr.	Appr.	Appr.
 Amptelmann Operations Ritterkampweg 380 2629 HG Delft The Netherlands www.amptelmann.nl +31 (0)20 2400 121 (T)			*****			
Drawing Nr. WNRD-03630			The document is property of Amptelmann Operations and is not to be distributed outside the company.			
Project Sales purposes			The document is property of Amptelmann Operations and is not to be distributed outside the company.			
Description Amptelmann E-type on Saab Athena 2 on 1.3m grillage showing working range and landing to Forte FPSO.			The document is property of Amptelmann Operations and is not to be distributed outside the company.			
Project Code AM02203			The document is property of Amptelmann Operations and is not to be distributed outside the company.			
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				Sheet	Model	

6 RESULTS

6.1 Case 1

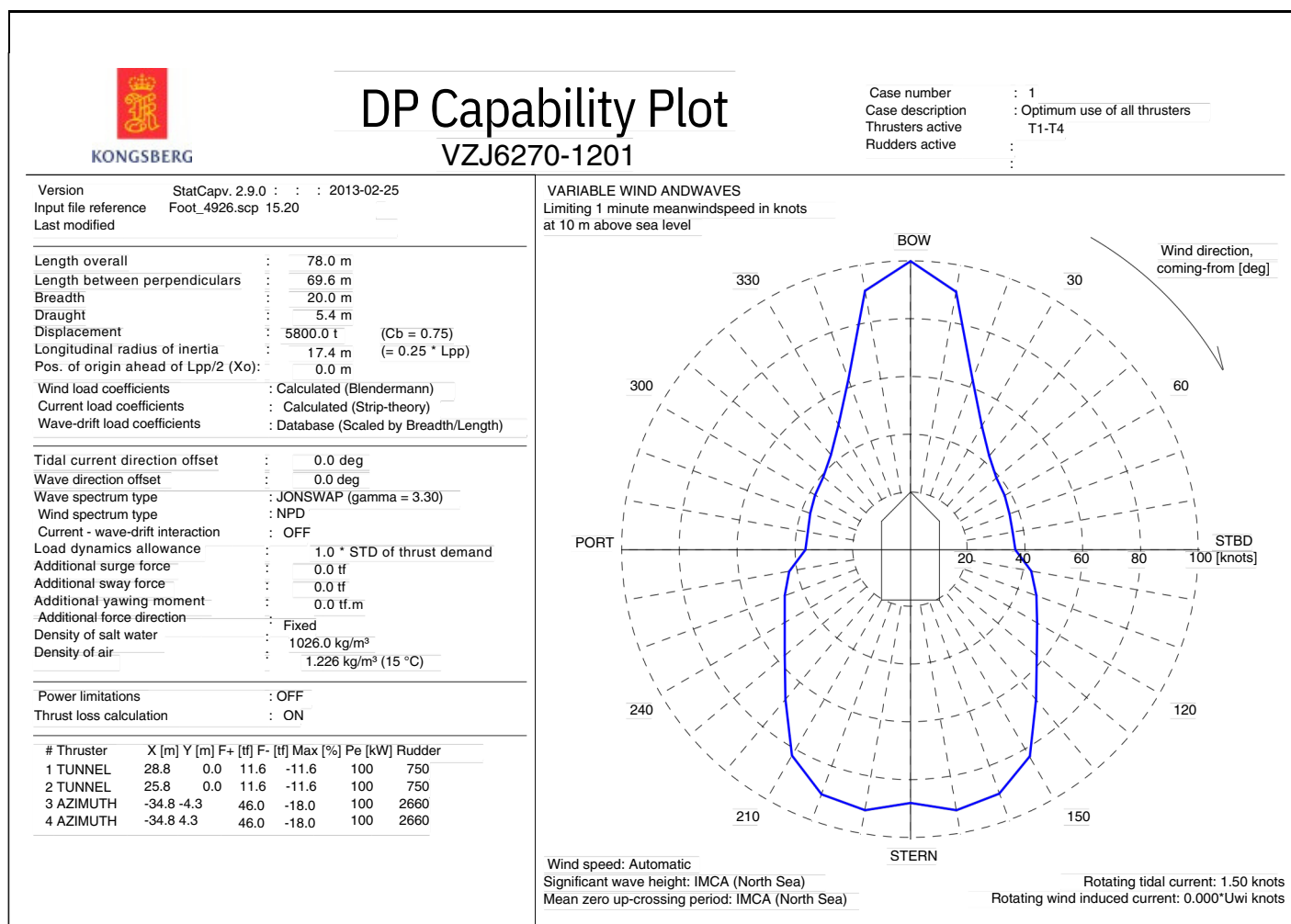


Figure 10: DP capability envelope for case 1.