

# Technical Specification SEA BADGER



**DEEP SEA SUPPLY**



IMO No.: 9420019  
 DNV ID No.:  
 MMSI : 209766000  
 Call Sign : 5BHH3

MAIN DESCRIPTION		MEASUREMENT	
Type :	SeaTech P-729	Lenght oa :	63.4 m
Classification :	DnV+1A1, FiFi-1, E0, DYNPOS-1, Tug Supply Vessel, SF, HL 2.4, dk+	Lenght bpp :	56.53 m
		Breath moulded :	15.80 m
		Depth moulded	6.80 m
Yard :	ABG Shipyard, India	Draught max:	5.10 m
Yard built No.:	258	Correspondign DWT :	1575 T
Country built :	India	Gross tonnage GT :	1943 T
Delivered :	July 2011	Net tonnage NT :	650 T
Flag :	Cyprus	Air draft @ 4.6 mt EK:	24 m
Port of registry :	Limassol	Speed svc/max.	10.5 Kts / 13.5 kts
Owner :	Dess Cyprus Limited	ISM-Responsible :	Deep Sea Supply Management (Singapore) Pte Ltd

CARGO CAPACITY		DISCHARGE RATE	
Deck cargo:	600 ts	Loading / Discharging station :	P / S
Deck area:	420 m2 (31m x 12.8m)	Fuel discharge rate :	120 m3/hrs
Deck strength:	5 ts	Mud discharge rate :	60 m3/hrs
Fuel (gasoil) :	804 m3	Drillwater discharge rate :	60 - 120 m3/hrs
Liquid Mud :	290 m3 + 120 m3	Dry bulk discharge rate :	20 m3/hrs
Drillwater / Ballast :	538 m3	Base Oil discharge rate :	60 m3/hrs
Brine:	Combining Mud tanks	Fresh Water discharge rate :	150 m3/hrs
Dry Bulk :	206 m3 (4 tanks)	Brine discharge rate:	60 - 120 m3/hrs
Fresh Water :	484 m3		
Foam Tank:	20 m3		
Dispersant Tank:	20 m3		

MACHINERY / PROPULSION			
Main Engine set 1 :	1x2500 kW 1000 rpm/YANMAR	Bow Thrusters :	1 x 500 kW / 680 bhp
Main Engine set 2 :	1x2500 kW 1000 rpm/YANMAR	Stern Thruster :	1 x 500 kW / 680 bhp
Propulsion Aft :	2 x AGHC-66XF5/4 E3000N	Shaft Generators :	
Rudders :	2 X CCP Rolls Royce	Diesel Generators :	4x425kW 440V 3Phase 60 Hz
Total BHP :	6 800 bhp	Emergency Generator :	1x 99 kW
Total Kw:	5000 kW	Shore Connection:	440V, 3 Phase, 60 Hz

PERFORMANCE / CONSUMPTION		ACCOMODATION	
Bollard Pull continous :	94 ts	Cabins/Beds :	4x1 men + 12x2 men cabins
Max Speed / Consumption:	13.5 knots/ 16 m3 @ 100% MCR	Accomodation for maximum :	28 men
Service Speed / Consumptic	10.5 knots / 12 m3	Air conditioning system :	In all living rooms
Economical Speed / Consur	10.5 knots / 12 m3	Mess / Dayroom :	2
Standby Mode Consumptior	7.0 m3	Cool store / Freezer :	1 x 11 m3 / 1 x 13 m3
Port Consumption :	1 m3	Dry Provision :	1

**DECK / AHL EQUIPMENT**

Windlass :	Brattvaag 1 x 6 ts	Chain Lockers :	2 x 60 m3
Capstans :	Brattvaag 2 x 8 ts	Wire spooling device :	Yes
Tugger Winches :	2 x Brattvaag 10 tons	Stern Roller :	3.6 m x 1.5 m dia SWL 200 t
Crane 1 :	1 x Deck crane 3mt / 12m	Grappels for Chain :	1 x 130 ts SWL
Storage reel :	1 x 1200m x 62mm	Forged J Chaser :	1 x 130 ts SWL, J Type
Rig Chain Gipsies:	2 x 76mm	Towing Wire :	1200m of 62 mm
Towing / AH winch	2 Brattvaag 150 ts Pull/250 ts Break	Spare Tow Wire :	1200m of 62 mm
Towing / AH winch dim:	800mm dia x 2090 dia x 1600mm	Work Wire A/H :	1 x 600m x 64 mm
Towing / AH winch cap:	1400m x 62mm wire each		Spare: 1 x 150m x 58mm
Towing pins :	1x pair 200 ts SWL	Shark Jaws	1 x 200 ts SWL
		Tow Pins	2 x electro-hydraulic with flaps

**RESCUE EQUIPMENT**

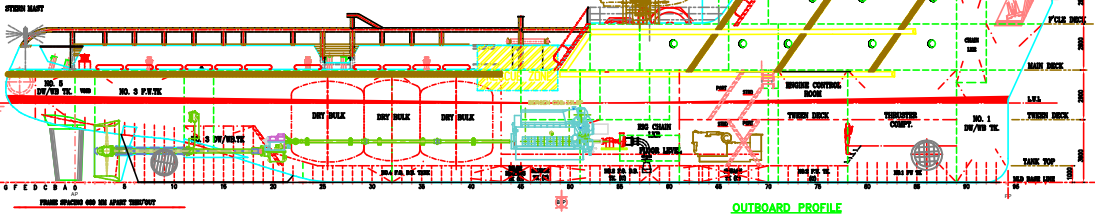
Hospital :	1 Sickbay	Life jackets :	58 pcs
Fire Fighting equipment :	FiFi 1.2 x 1200 m3/h	Survival Suits :	36 pcs./ 1 each cabin
MOB Boats:	FRC for 9 persons	GMDSS VHF's :	3 x Furuno FM-8
Radar transponders :	2 x S.A.R.T / RT - 10	Life rafts :	4 of 20 each
Emergency Beacon :	1 x E.P.I.R.B/ Float free type	Rescue nets :	2 scramble nets

**NAVIGATION AND COMMUNICATION EQUIPMENT**

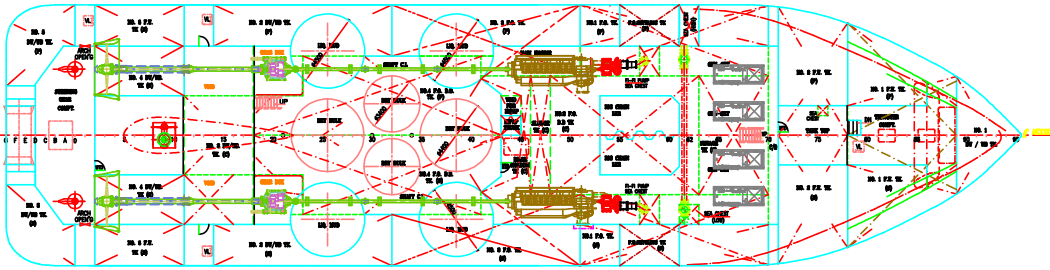
DP :	AUT (DP 1) Kongsberg	GMDSS Sea Area:	A1, A2, A3
DP reference system :	1 DGPS	MF/HF Radio :	Furuno FS 2570
DP reference system :	Fan beam	DSC Receiver :	1 Furuno FM8800
Radar :	2 x Furuno FR-2115	VHF 1:	Furuno FM 8800S
Gyro :	Sperry Marine/Navigat x mk2	VHF 2:	Furuno FM 8800S
Autopilot:	Sperry Marine/Navipilot v hsc	Portable Radio :	5 x Motorola GP - 339
Chart Plotter :	N/A	Iridium :	N/A
Navtex :	Furuno NX-700	Mini-M phone :	Fleet 77
Joystick :	Rolls-Royce / Poscon Joystick	Sat C 1 :	Furuno Felcom - 15
AIS :	Furuno FA - 150	Sat C 2 :	N/A
Echo Sounder:	Furuno FE 700	Intercom System :	Hanshin / HPA-9200-2
Speed log :	Furuno DS 80		
Satellite Navigator (GPS)	Furuno GP - 150		
Wind sensors :	Young / Wind tracker		

**PRINCIPAL DIMENSIONS**

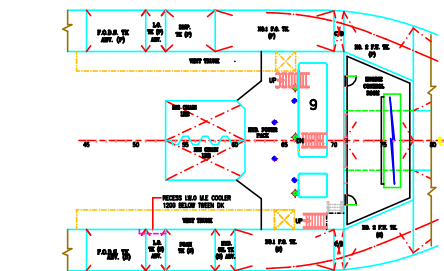
LENGTH O.A. MID. HULL	63.40 M
LENGTH P.P.	58.23 M
BEAM MID.	13.80 M
DEPTH MID.	8.30 M
DESIGN DRAFT	4.80 M
COMPLEMENT	28 MEN
FUEL OIL	700 M <sup>3</sup>
FRESH WATER	500 M <sup>3</sup>
DRILL WATER / W.B.	500 M <sup>3</sup>
DECK AREA	ASST. 420 M <sup>2</sup>
DRY BULK TANKS	ASST. 200 M <sup>3</sup>
LIQUID MHD (Including Rig Locker)	ASST. 300 M <sup>3</sup>
MAX SPEED (at 100% MCR)	ASST. 13.5 KNOTS
BOLLARD PULL	ASST. 60 TONNES
1300T @4.5M DRAFT	1900T @SUMMER DRAFT
DEAD WEIGHT	300T @3.2M DRAFT
GROSS TONNAGE	1945 TONNES
NET TONNAGE	650 TONNES



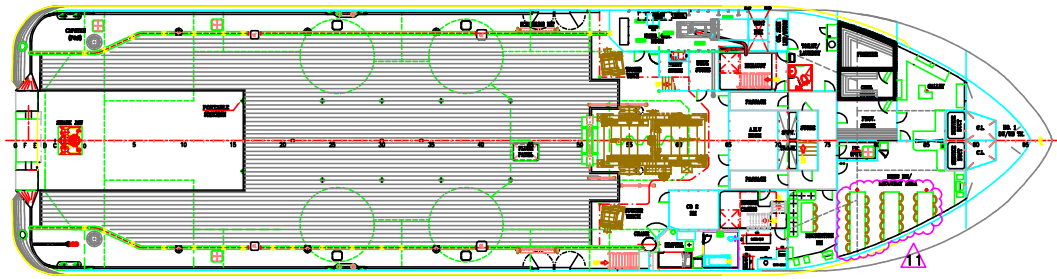
OUTBOARD PROFILE



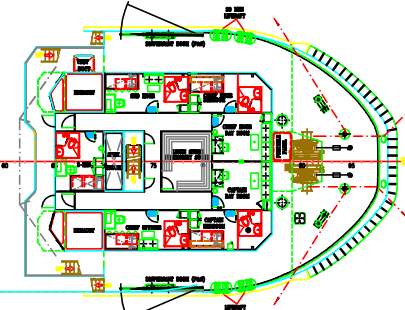
BELOW DECK PLAN



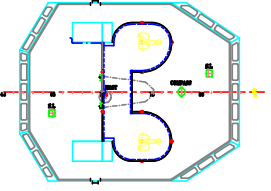
IWEEN DECK PLAN



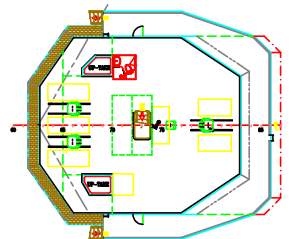
MAIN DECK PLAN



UPPER FORECASTLE DECK PLAN



WHEELHOUSE TOP



BRIDGE DECK PLAN

DESS-257

11	AS FITTED / Y-257	HPP	14.04.08
10	REVISED AS PER OWNER'S COMMENTS	HPP	12.10.07
9	REVISED AS PER OWNER'S COMMENTS	HPP	16.09.07
8	PROPOSAL AS FOR OWNER'S COMMENTS	HPP	16.09.07
7	PROPOSAL AS FOR OWNER'S COMMENTS	HPP	06.09.07
6	HELPED DELETED	PM	11.07.07
5	AS FITTED / Y-237	HPP	10.05.07
4	REVISED AS PER EVACUATION PLAN, ACCOMMODATION LAYOUT, EMERG. DR. ROOM LAYOUT	VOYESH	17.10.04
3	REVISED AS PER CLASS COMMENT ON DSR NO. P729-381-00-FAASLS & FASTENING TANKS INTRODUCED AS SHOWN WITH STEER THRUSTER SCHEM	TYS	16.10.04
2	REVISED AS PER DESIGN PROGRESS	ASHOK/AM	01.08.04
1	REVISED AS PER DESIGN PROGRESS	ASHOK	20.02.05
1	REVISED AS PER DESIGN PROGRESS	ASHOK	27.01.05
ITEM	MODIFICATION	BY	DATE

**OWNER**  
DEEP SEA SUPPLY

**BUILDER**  
ABG SHIPYARD LTD

**PROJECT**  
63M AHTS

**TITLE**  
GENERAL ARRANGEMENT

**HALL NO.**  
257, 258, 270-275

**SeaTech Solutions International (S) Pte Ltd**

**DATE:** 20.01.05 **SCALE:** 1 : 150 **A1**

**DRAWN BY:** ASHK **PROJECT NO :** P-729

**CHECKED BY :** GSC **DRG NO :** P729-101-00-R11

6	21.06.07	APPROVED		
2	16.05.05	APPROVED		
REV	CLASS	CLASS	YMD	REVISION
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CLASS: DNV - I1A1 Tug Supply Vessel, FF-1, SF, E0.  
DYNPOS - AUT - DK + , H, (24)