

Specification for PSD2 Supply Vessel



CHARACTERISTICS

GENERAL

Call Sign	SIM-765	IMO Number	8319615	Type of Vessel	AHTS
Port of Registry	Zanzibar	MMSI Number	677096500	Ship's Name	PSD2
Flag	Tanzania	Official Number	400317	Class	RBS
Speed	10 knots	Place / Date of Build	Japan / 1983	Builder	Tonoura Dock Co. Myasaki

DIMENSIONS

LOA	38.9 m	127.6 ft	Breadth	12.5 m	41.0 ft
Depth	5.0 m	16.4 ft	Summer Draft/ Su. Freeboard	4.47 m / 0.53 m	14.66 ft / 1.73 ft
ITC 68	38.9 m	127.62 ft	LBP	36 m	118.11 ft

CAPACITIES

Net Tonnage	149	Immersion @ Load Draft	4.77 TPC
Gross Tonnage	497	Trimming Moment	15.84 MCTC
Dead Weight	775.28 tonnes	Deck Capacity	135.55 m ³ (max 236t @ 5t m ³)
Light Displacement	828.96 tonnes	Chain Capacity	43.75 m ³ (3 ½" chain @ 460 m)
Loaded Displacement	1604.2 tonnes	Fresh Water Capacity	245 m ³
FWA	84 mm	Fuel Oil Tank Capacity	433 m ³ ----- 80 m ³ /h
Portable Water Tank Cap.	153.5 m ³ ----- 80 m ³ /h	Drill Water/ Ballast Tank Cap.	93.2 m ³ ----- 50 m ³ /h

MACHINERY / PROPULSION

Type	2x Stork Wartsilla 9FHD 240	Service Speed	10 Knots	Emergency generators	1 x 360kw
Bunker Capacity	430 m ³	Propellers	CPP Outwards turning 1000rpm	Steering Gear	Hydraulic RAM
Daily	5-8 tonnes @ 100%	Bow Thruster	1 x 360kw	Horse Power	2x 1492kw
Consumption	Load	Generators	2 x 320kw		

OPERATIONAL GEAR

Crane	HAIB 2.4t @ 3m & 0.7t @ 6m	Wire	1000m x 50mm
Winches	Kitagawa 150t	Line Pull	102t @ 20m/min
Tow Wire	100m x 50mm / Bollard pull @ 40t --- 1 x Grapnel	Storage Reel	500m x 50m
Drum Capacity (Fore Winch)	30M mooring x 34mm	Fore Winch (Windlass, Mooring Drum)	Single Drum - Hydraulic Driven
Aft Winch	Waterfall type Hydraulic Driven	Rig Chain Lockers	2 x 22 m ³ @ 460m 3 ½" chain
Drum Capacity	1000m x 50mm	Wildcats	2 x 3 ½" chain
Brake Load	150t	Stern Roller	4m x 1.5m

MOORING ROPES AND ANCHORS

Synthetic Fiber	8*76mm Polyprop ----- 8 Strand	Work Wire	150m*50m
Port 14 Shackles	Stockless ---- 0.9t	Stbd Shackles	Stockless ---- 0.9t
		Anchor Chain	660m*32m

EQUIPMENTS

Deck Equipment		Emergency Comms Equipment		GMDSS Equipment and Crew	
Tugger Winch	2 x 7t	EPIRB	1 x NSR	SAT C (GMDSS)	(1 x Furuno)+(1 x Sailor)
Capstan	2 x 5t	Starts	2 x NSR	Max Crew	20
Windlass	1t chain pull @ 20m/min	VHF Portable	3 x JRC/HH-7	Max Pax	10
Navigation Equipment		Firefighting Equipment		Life Saving Equipment	
Radar	Furuno 2827	Foam	22 x 9 liters / 1 x 45 liters	1 x Gemini FRC	5.0m x2m x1.3m --- 6Pax
SATCOM	Thrane Thrane	Dry Powder	(3x2.5 kg)+(2x4.5 kg)+(2x9 kg)	Life Rafts	2xflatable --- 20 Pax
Magnetic Compass	Suara Marine Instruments	CO2	6 x 6.8 kg	Davit (Type)	HHS single Arm --- 1.5t SWL
GPS	2x Furuno GP 32 & JRC/NWZ-4551	Fire Hoses	6 x 45mm x 20m	Hook Type	Hendrickson --- Offload
Gyro	Hokushin ICMODC	SCBA	Draeger x2 +2 spare	L/Buoys	X13
Navtex	NX-700	Fire Monitor	1 x 600 m ³ /h @ 60m +foam	L/Jackets	X29 (8 spare)
Auto Pilot	IZUMI c5-10	Water	1 x 50 m ³ /h	EEBD	4x Oceanco --- M20.2
VHF	(2 x JRC)+(1 x HF Sailor)	Foam	1 x 50 m ³ /h		
Echo Sounder	FE 700	Pump Capacity	1 x 600 m ³ /h @ 9bar		
AIS	Furuno FA100	Emergency Pump	1 x 300 m ³ /h @ 120m		
Anemometer	FI30	Dispersant System	2 x 9m booms 50 m ³ /h		
BNWAS	1 x BR/510				
Electronic Chart	MAXSEA Time Zero				