



# Subsea Responder III

250' DP-2 PSV

**HYDRA**  
Subsea to Surface

## SPECIFICATIONS

► **SUBSEA RESPONDER III** is an offshore supply vessel.

### ► CLASSIFICATION

Class	ABS A1, AMS, DPS-2	
Flag	U.S.	
Port of Registry	Port Arthur, Texas, USA	
Solas	Full	
USCG	Sub Chapter L	
Year Built	1999	
Builder	Moss Point Marine Inc.	

### ► MEASUREMENT

Length Overall	251.00 ft	76.50m
Length BP	235.00 ft	71.63m
Beam	54.00 ft	16.46 m
Depth	23.00 ft	7.01m
Light Draft	7.40 ft	2.25 m
Loaded Draft	19.81 ft	6.04 m
Summer Freeboard	3.19 ft	0.97 m
Light Ship	1,684 Lt	1711 mT
Deadweight	3,409 Lt	3,464 mT

### ► TONNAGE

Gross Tonnage	2,252
Net Tonnage	871

### ► CAPACITIES

Ballast/Drill Water	132,809 gallons	503 m <sup>3</sup>
Potable Water	92,188 gallons	349 m <sup>3</sup>
Fuel	313,602 gallons	1,187 m <sup>3</sup>
Liquid Mud	6,380 bbls	1,014.3 m <sup>3</sup>
Dry Bulk	10,000 ft	283 m <sup>3</sup>
Brine	2,306 bbls	366.7 m <sup>3</sup>
Base Oil (Dual Use Tanks)	6,380 bbls	1,014.3 m <sup>3</sup>

### ► CARGO DECK

Tonnage	2,000 Lt	2,032.10 mT
Strength	1,024 lbs/ft <sup>2</sup>	5 mT/m <sup>2</sup>
Length	174 ft	53.04 m
Width	44 ft 13.41 m	44 ft
Clear Area	7,656 ft <sup>2</sup>	711.27 m <sup>2</sup>

### ► MANEUVERING AND PROPULSION SYSTEM

Main Generators	3 x CAT 3516B 1852kW, 600VAC 60Hz, 3 ø	
Auxiliary Generators	300 kW, 480VAC, 60Hz 3 ø	
Emergency Generator	99 kW, 480VAC, 60Hz 3 ø	
Total Installed Power	5,775 kW (7,744 HP)	
Azimuthing Thrusters	2 x Aquamaster 3001AZ, 2,500 HP (1,864 kW)	
Bow Thrusters	1 x 800BHP Tunnel 1 x 1000BHP Drop Down Azimuth	
Windlass	Dual Capstan McElroy MDW-150	
Anchor / Chain	2 X 3500 lb. Danforth / 1.5 X 1000'	

### ► PERFORMANCE

Maximum Speed	12 knots	
Cruising Speed	10 knots	
Maximum Fuel Consumption	255 USG/Hr	19.8 Mt/day
Cruising Fuel Consumption	215 USG/Hr	16.8 Mt/day

### ► DISCHARGE RATES (USG/HR @ FT) M<sup>3</sup>/HR @ M

Drill Water	660	300	150	91
Potable Water	660	300	150	91
Fuel	660	300	150	91
Liquid Mud	2 x 1000 GPM @ 165 ft		227 m <sup>3</sup> /hr @ 50 m	
Dry Bulk	2 x 2000 ft <sup>3</sup> /hr @80 psi		56 m <sup>3</sup> /hr @ 6 bar	
Brine	1000 GPM @165 ft.		227 m <sup>3</sup> /hr @ 50 m	
Base Oil	1 x 1000 GPM @165 ft.		227 m <sup>3</sup> /hr @ 50 m	

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## SPECIFICATIONS

### ► ELECTRONICS & CONTROLS

Dynamic Positioning	Kongsberg K-POS DPS-2
DGPS	2 x CNAV 3050
Gyro Compass	3 x Sperry NAVIGAT X MK1
Laser Reference	Fanbeam MK4
Independent Joystick	Kongsberg C-Joy
Compass	Magnetic
Radar(s)	2 x Furuno & One Furuno FAR2127 ARPA
Depth Sounder	Sperry ES5000

### ► COMMUNICATIONS

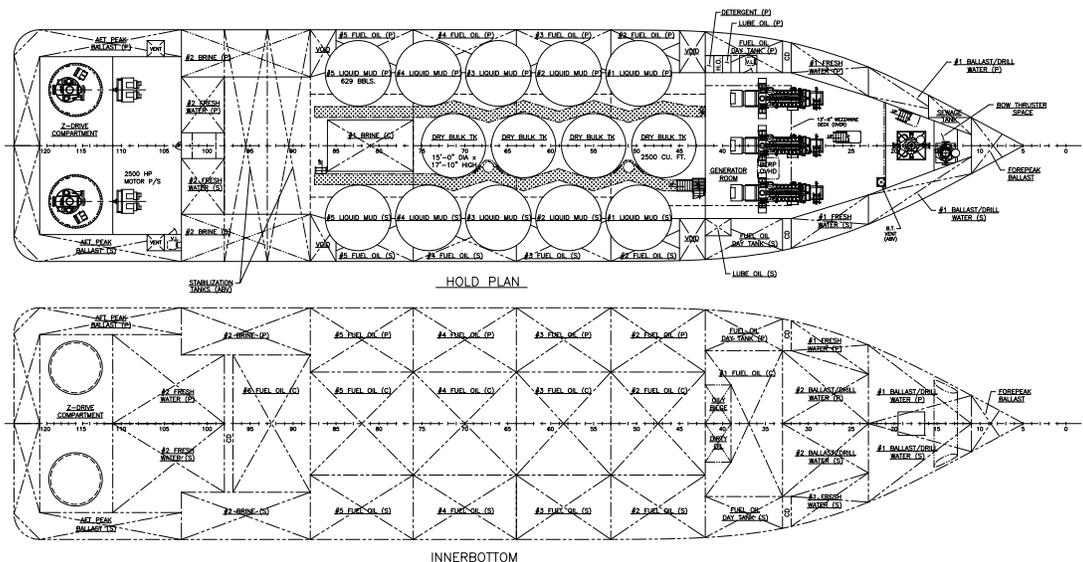
GMDSS	Sperry A3 GMDSS
SSB	Sailor Compact 2000 SSB
VHF	2 X VHF/FM SEA model SEA-156
INMARSAT-C	Sperry H2095 B
NAVTEX	AE -900
EMAIL	Globe Wireless

### ► ACCOMMODATION

Cabins/Berths (Total)	15 Cabins/27 Berths
Officers	4 Cabins/4 Berths
Crew	5 Cabins/5 Berths
Passengers	4 Cabins/16 Berths
VIP	2 Cabins/2 Berths
Lounge	Seating for 10
Mess Room	Seating for 17
Walk-in Refrigeration	Cooler/Freezer 197 ft3 / 225 ft3

### ► SPECIAL EQUIPMENT

Life Rafts	4 x 15 Man
MOB Fast Rescue Boat	Ambar AM420 RIB W//25HP Motor
FIFI Class	FIFI 1 Equivalent without Deluge
Monitors	2 x 5,283 GPM 2 x 1,200 m3/hr
Roll Reduction System	2 x Flume Type
Deck Crane	TC-20-33-60, 19,450 lbs @ 10 ft 850 lbs @ 60 ft



### ► ABOUT HYDRA

Hydra is a leading provider of offshore construction services, specializing in heavy lift operations, subsea construction, offshore construction, pipeline installation, subsea fabrication projects, engineering and other marine support services. Headquartered in Port Arthur, Texas on the Sabine Ship Channel, Hydra serves the oil and gas industry, academic institutions and government agencies in both domestic and select international markets.

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