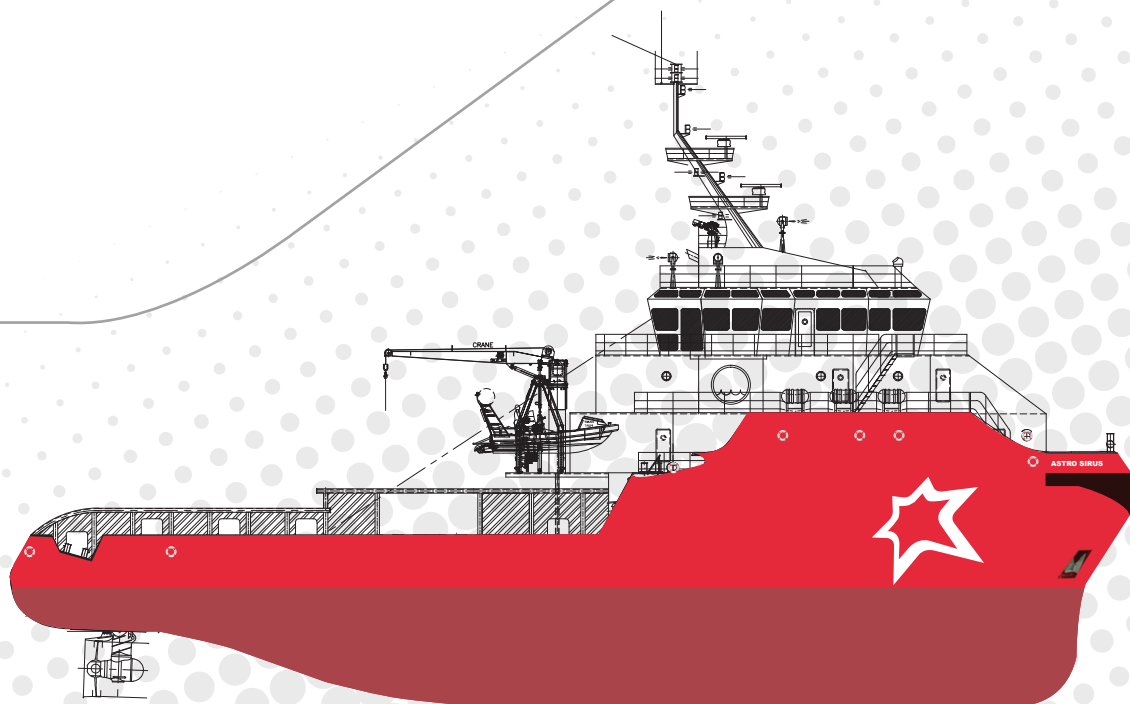




ASTRO SIRIUS

5,220 BHP Anchor Handling Tug DP1

A 52.2M modern AHTS capable of 65 T Bollard Pull featuring FIFI 1 and space for 38 berths. Suitable for towing, supply, anchor handling and general offshore support duties.

PRINCIPAL PARTICULARS

Length overall	:	52.2 M
Breadth	:	14 M
Depth/Draft	:	5.2 M
Classification	:	ABS+A1
Class Notation	:	+A1, Towing Vessel, fire fighting vessel class 1, Offshore Support vessel,AH,+AMS
Call Sign	:	9V6688
Registry	:	Singapore
Built	:	2009

DETAILS

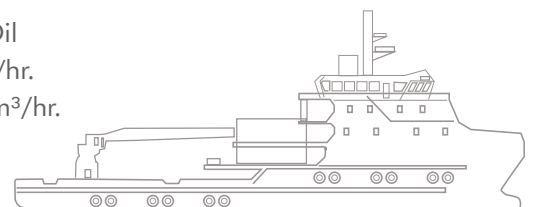
Deadweight	:	1069 MT
Deck Space	:	336 m ²
Deck Strength	:	10 MT/m ²
Bollard Pull	:	64.9T
GRT / NRT	:	1623/486

MAIN ENGINE / GENERATOR

Main Engine	:	2 x Yanmar 6EY26 @2,610 BHP 750 RPM
Generators	:	3 x 590 KW, 2 x 370 KW, All Generators 240/440V,3 Phase, 60Hz
Emergency Generator	:	1 x Cummins 6BTS.9G6 rated, 80 kW, 415V/3PH/50Hz
Aux. Generator	:	"3 x 5A90 KW 3412C DITA, 2 x 370 KW 3408C DITA, 1 x 320 KW 3406C DITA "
Total Installed Power	:	5220 HP / 3892 KW
Emergency Generator	:	CAT C4. DINA, 76 KW
	:	Azimuths "Azimuths Stern Drive: 2x Kawasaki Rexpeller KST 220 ZC/A"
Bow Thruster	:	"Kawasaki KT-72B3 CPP 500KW Tunnel Thruster giving 1 x 7.7 ton lateral Thrust "

CAPACITIES

Fuel Oil	:	19,263 USG / 830 m ³
Potable Water	:	100,385 USG / 380 m ³
Drill Water	:	113,594 USG / 430 m ³
Water Ballast	:	113,594 USG / 430 m ³
Foam	:	4,227 USG / 16 m ³
Dispersant	:	4,227 USG / 16 m ³ Fuel Oil
	:	26,417 USG/hr. 100 m ³ /hr.
Potable Water	:	26,417 USG/hr. 100 m ³ /hr.



SAFETY EQUIPMENT

External Fire Fighting	:	2 x 1200m ³ / Hr (FIFI 1)
Oil Dispersant System	:	2 x Cluster Nozzles
Firemain	:	10 Hydrants
Emergency Fire Pump	:	1 x 30m ³ /hr @ 60m head, electric driven
Life Raft	:	4 x 25 man SOLAS standard
Fast Rescue Boat	:	1 x 6 man, 25bAhp
Fire Pump	:	1 x 1400m ³ / hr 140m/head PTO to M/E

ACCOMMODATION

Cabins	:	12
Berths	:	38
Crew Capacity	:	38
Crew Mess	:	1
Offices	:	1
Hospital	:	1
Lounges	:	1

DISCHARGE RATES

Fuel Oil	:	26,417 USG/hr.	100 m ³ /hr.
Potable Water	:	26,417 USG/hr.	100 m ³ /hr.
Drill Water	:	26,417 USG/hr.	100 m ³ /hr.

SPECIAL EQUIPMENT

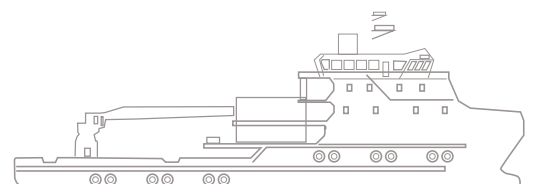
Water Maker	:	Technicomar MD 2000 5.5 Ton/Da
Crane #1	:	3.0 metric ton TTS Marine GP40-3-8

PERFORMANCE

Max Speed	:	14 Knots
Cruising Speed	:	12 Knots
Bollard Pull	:	65 MT

FUEL CONSUMPTION

Maximum	:	15.3 M3/Day
Cruising	:	11.5 M3/Day
Economical	:	09.0 M3/Day

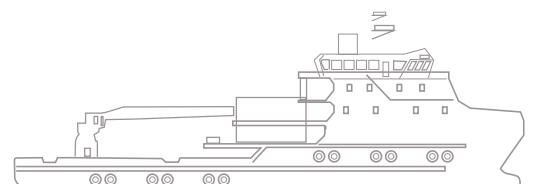


DECK AND ANCHOR HANDLING

Anchors	:	2 x AC 14 high holding powers @1800KG
Chain	:	2 x 20 shackles K3 Stud link 38mm dia
Winch Model	:	1 x Brattvag waterfall SL 150W-2T
Line Pull	:	150 MT
Winch Capacity Drum #1	:	1200m x 52mm diameter wire rope
Winch Capacity Drum #2	:	1200m x 52mm diameter wire rope
Storage Reel #1	:	1 x Brattvag LALMX2205
Tugger Winch #1	:	Brattvag LAKMX22.010, capacity 10 ton
Tugger Winch #2	:	Brattvag LAKMX22.010, capacity 10 ton
Stern Roller	:	4.40m x 1.80m x 180MT SWL
Shark Jaws	:	1 x Triplex Shark's Jaw H-200
Towing Pins	:	1 x Triplex Guide Pin S-200, 200 Tons SWL

ELECTRONICS & CONTROLS

Dynamic Positioning	:	Class 1
DP System	:	Nautronix ASK5001
DP Reference #1	:	DGPS 2 x Sperry Marine MX420/8 - 12 Channel DGPS
Gyros	:	2 x Sperry Marine Gyro Navigat MK1, Mod 7 Type E, GGG - TMC + 4 Repeaters
Radar #1	:	Vision Master FT341/MT/VTM X-Band
Radar #2	:	Vision Master FT343/12/MT/VTM 1 S-Band
Radios	:	Sailor
GMDSS	:	Sailor 5000 GMDSS 250W W.D1
AIS	:	SAAB R4 AIS System
Depth Sounder	:	Sperry ES-5100-01 High Definition
NAVTEX	:	2 x Sailor NT-2000 JMC



GENERAL ARRANGEMENTS

