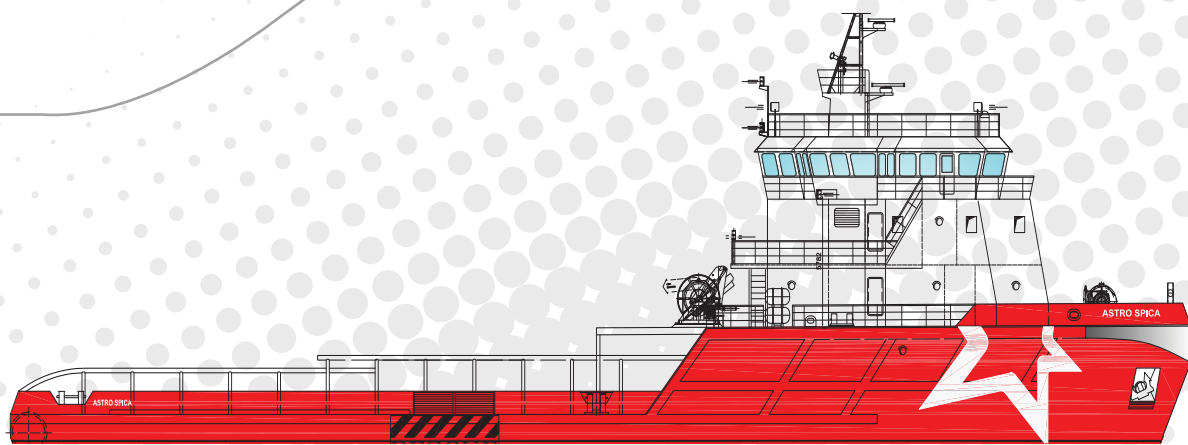




ASTRO SPICA

ANCHOR HANDLING TUG

+ MULTI PURPOSE OFFSHORE SUPPLY VESSEL

A 58M modern AHTS capable of 65 T Bollard Pull featuring FiFi 1 and space for 24 berths .
Suitable for towing, supply, anchor handling and general offshore support duties.

PRINCIPAL PARTICULARS

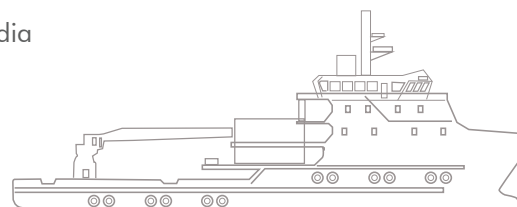
Length overall	:	58 M
Breath	:	13.8 M
Depth/Draft	:	4.75 M
Classification	:	ABS
Class Notation	:	+A 1, Towing Vessel, Fire Fighting Vessel Class 1, Offshore Support Vessel, AH,+AMS
GRT / NRT	:	1330 / 399
Registry	:	Singapore
Call Sign	:	9V9890
Built	:	2012
Deadweight	:	1361.35 MT
Deck Space	:	350 M2
Deck Strength	:	5 T/M2
Bollard Pull	:	65T
Deck Loading	:	1750 MT

SAFETY EQUIPMENT

External Fire Fighting	:	2 x 1606m3 / Hr
Oil Dispersant System	:	2 x Cluster Nozzles
Firemain	:	18 Hydrants
Emergency Fire Pump	:	Azcue , 35m3 /Hr @60m head
Life Raft	:	4 x 20 man, SOLAS standart
Fast Rescue Boat	:	1 x 13 man
Fire Pump	:	1 x 60m3/hr @ 60m head

DECK EQUIPMENT

Fuel Oil	:	662.9 M3
Fresh Water	:	200 M3
Ballast / Bilge Pump	:	60m3 / hr @ 60m head
Freezer / Chiller	:	9.4 M3
Foam / Detergent	:	9.9 M3
FO & FW Pump	:	100m3 /hr @ 60m head
AH / Towing Winch	:	1 x Electro / Hydraulic Double Drum
Line Pull	:	150T @ 0-2.5m / min
Static Brake	:	200T, First Layer
Tugger Winch	:	2 x 10T @ 15m/min
Anchor Windlass	:	10T @ 10m / min
Anchors	:	2 x AC14 1740 kg each
Stern Roller	:	1 x 200T, 4.25m x 1.5m dia
Capstan	:	2 x 5T @ 15m / min
Sharkjaw / Towing Pin	:	200T
Towing Wire	:	1000m x 52mm dia
Anchor Handling Wire	:	966m x 52mm dia



DECK EQUIPMENT

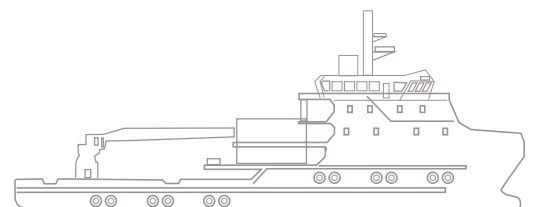
Reefer Points	:	6 Units (4 Socket for 220
	:	and 2 Socket for 440)
Deck Crane	:	1.980 Kgs @ 3.6m, 1,
	:	270 Kgs @ 5.30m,
	:	920 Kgs @ 7m

NAVIGATION / COMMUNICATION

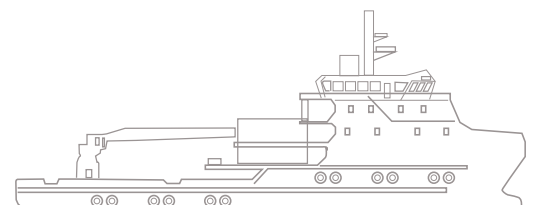
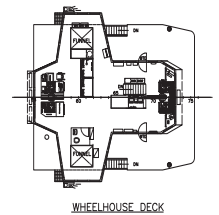
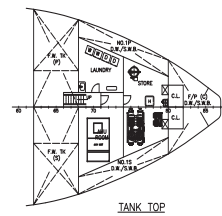
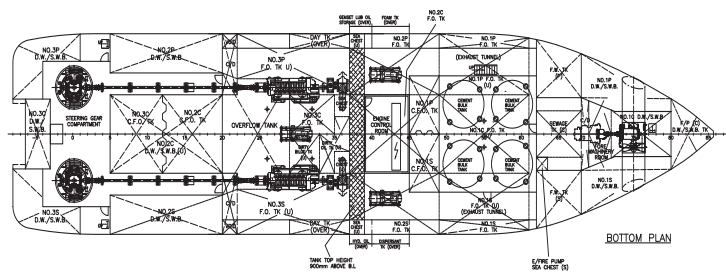
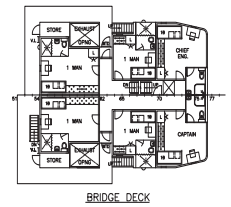
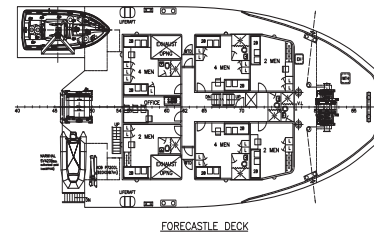
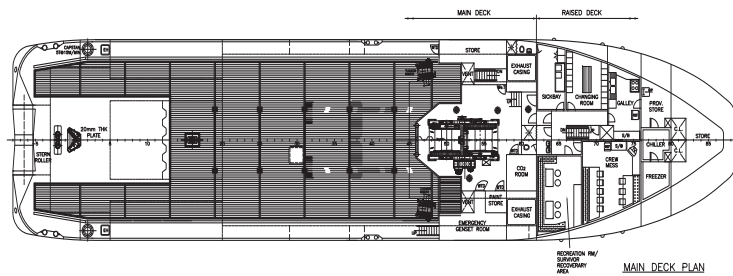
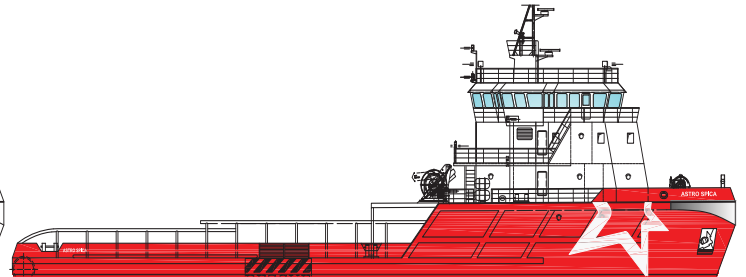
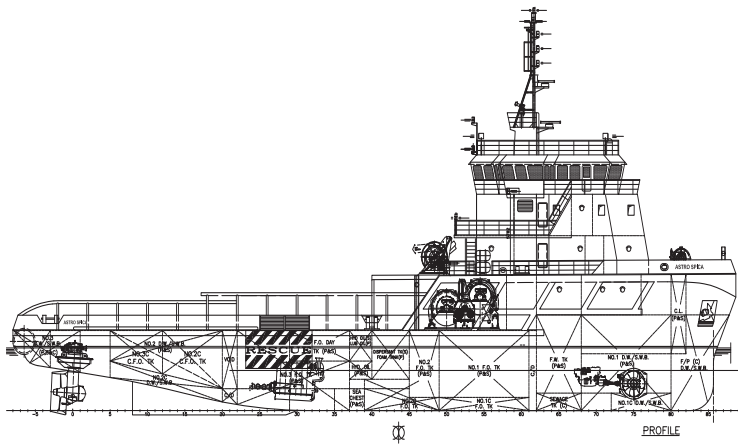
Radar	:	Radar ARPA Furuno
	:	FR-2115/ FR-1942 Mk-2
Echo Sounder	:	Furuno FE -700
Magnetic Compass	:	SAURA MR-150
Gyro Compass	:	Simrad GC-80 c/w 5 repeaters
Inmarsat C	:	FurunoFelcom -15 c/w
	:	SSAS update kit
GMDSS	:	A1 + A2 + A3
MF / HF	:	Furuno FS-2570
Navtex	:	Furuno NX-700B
EPIRB	:	McMurdo E3
SART	:	McMurdo S4
Speed Log	:	Furuno DS-801
Weather Fax	:	NA
PA System	:	PHONTECH SPA1500

MAIN ENGINE / GENERATORS SAFETY EQUIPMENT

Main Engine	:	2 x 1838 Kw @ 750 RPM, Niigata 6L28HX
Generators	:	3 x Caterpillar 3406 C / 320 kW @1800 RPM / 60Hz
Emergency Generator	:	1 x Caterpillar 91 kW@ 1800 RPM / C4.4
Gear Box	:	2 x Niigata Z-Drive Rudder Propeller, ZP-41CP
Propulsion	:	2 x Niigata CPP Power unit
Bow Thruster	:	1 x Caterpillar 3412 E, 2100 Rpm, 820 Kw
Max Speed	:	12 Kts



GENERAL ARRANGEMENTS



TERAS GENESIS CAPACITY TABLE

ASTRO SPICA

TANK	CONTENT	VOLUME m3	FUEL OIL	DRY BULK	DW/SWB	FRESH W.	L.O. / H.O.	FOAM	OIL DISP.	DIRTY OIL
FPT DW & SWB C	DW /SWB	61			61					
NO.1 DW & SWB TK. P	DW /SWB	78.3			78.3					
NO.1 DW & SWB TK. S	DW /SWB	78.3			78.3					
NO.1 DW & SWB TK. C	DW /SWB	15.5			15.5					
NO.2 DW & SWB TK. P	DW /SWB	79.7			79.7					
NO.2 DW & SWB TK. S	DW /SWB	79.7			79.7					
NO.2 DW & SWB TK. C	DW /SWB	42.3			42.3					
NO.3 DW & SWB TK. P	DW /SWB	26.2			26.2					
NO.3 DW & SWB TK. S	DW /SWB	26.2			26.2					
NO.3 DW & SWB TK. C	DW /SWB	15.8			15.8					
FW TK. P	FRESH WATER	101.9				101.9				
FW TK. S	FRESH WATER	103				103				
NO.1 FO TK. P	FUEL OIL	60.8	60.8							
NO.1 FO TK. S	FUEL OIL	60.8	60.8							
NO.1 FO TK. C	FUEL OIL	34.5	34.5							
NO.2 FO TK. P	FUEL OIL	48.1	48.1							
NO.2 FO TK. S	FUEL OIL	48.1	48.1							
NO.2 FO TK. C	FUEL OIL	46	46							
NO.3 FO TK. P	FUEL OIL	60.7	60.7							
NO.3 FO TK.S	FUEL OIL	60.7	60.7							
NO.3 FO TK.CP	FUEL OIL	15.5	15.5							
NO.4 FO TK. C	FUEL OIL	36.5	36.5							
FO DAY TK.P	FUEL OIL	9.9	9.9							
FO DAY TK.S	FUEL OIL	9.9	9.9							
NO.1 CFO TK.P	FUEL OIL	43.5	43.5							
NO.1 CFO TK.S	FUEL OIL	43.5	43.5							
NO.2 CFO TK.C	FUEL OIL	81.8	81.8							
NO.3 CFO TK.C	FUEL OIL	54.8	54.8							
GEN. L.O. ST.P.	LUBE OIL	3.7					3.7			
UHYD. OIL S	HYDRULIC OIL	3.7					3.7			
LHYD. OIL P	HYDRULIC OIL	2.2					2.2			
LHYD. OIL S	HYDRULIC OIL	2.2					2.2			
DIRTY OIL S	DIRTY OIL	7.8								7.8
FOAM P.	FOAM	9.9						9.9		
DISPERSANT S.	DISPERSANT	9.9							9.9	
BULK STORAGE TANK NO.1 S	DRY BULK	28.25		28.25						
BULK STORAGE TANK NO.2 P	DRY BULK	28.25		28.25						
BULK STORAGE TANK NO.3S	DRY BULK	28.25		28.25						
BULK STORAGE TANK NO.4P	DRY BULK	28.25		28.25						
	TOTAL VOL.	FO	491.5	113	502.9	204.9	11.8	9.9	9.9	7.8
		CFO	223.6							

Capacities in CFO (Red) is not included on total FO volume / CFO and FO Volumes is declared in separate total capacities

Capacities in Green are counted on multiple tank capacities

Actual capacities may vary slightly.

ALL DETAILS ARE BELIEVED TO BE CORRECT BUT WITHOUT GUARANTEE

