

M/V INW-5

(FIFI-1,AHT, TOPSIDE MAINTENANCE)

PRINCIPLE PARTICULARS

BUILT	2011
G.R.T	795 T
N.T	238 T
Class	B.V
Notation	1+ Hull+ MACH, Tug - Fire Fighting Ship 1 - Water Spraying
IMO NO.	9596624
Call Sign	H09167
Flag	PANAMA

DIMENSIONS

Length Overall	48.00 m
Length B.P	42.90 m
Breadth Moulded	12.80 m
Depth Moulded	4.60 m
Draft Moulded	4.00 m

MACHINERY

Main Engines	2 X 2100 BHP / Caterpillar 3516B
Auxiliary Engines	3 X 245 kw / Caterpillar 3046 C
Emergency Genset	1 X 50 KW/ Perkins
Bow Thruster	1 X 400 BHP Electrical motor driven thrust
Propellers	2X Fixed Pitch Propeller.
Rudders	Conventional
Anchors	2X Stockless anchors with 15 lengths, 28 mm dia. Stud link chain
Maximum Speed	12.00 Knots

CAPACITY

Deck Strength	5 Tons/m^2
Clear Deck Area	210 m^2
Fuel Oil	670m^3
Fresh Water	270 m^3
Chiller	8 m^3
Freezer	8 m^3

DISCHARGE RATE

Fuel Oil	80 m^3/ hr at 70 m head
Fresh Water	80 m^3/hr at 70 m head

TOWING/ ANCHOR HANDLING EQUIPMENT

Bollard Pull	52.00 T
Towing/ Anchor Handling	1 X 120 Tons Line Pull, Brake hold 150 Tons.
Towing Winch	Hydraulic,Double drum, Waterfall arrangement.
Upper Drum Capacity	52 mm dia. X 1000 m
Lowe Drum Capacity	50 mm dia. X 500 m
Drum Capacity	52 mm dia. X 1000 m

DECK & AUXILIARY EQUIPMENT

Capstans	2 X S.W.L 5 Tons/each
Tugger Winch	1 X S.W.L 10 Tons
Roller	3.5mX1.45 m dia(S.W.L 150 Tons)
Anchor Windlass	1 X 5 Tons at 12 m/min
Shark Jaw	1 X S.W.L 200 Tons
Tow Pins	2X S.W.L 200 Tons
Deck Crane	15 Tons (S.W.L)

ACCOMMODATION

2 X 1 Man	2 Men
3 x 2 Men	6 Men
8 x 4 Men	32 Men
Total	40 Men

RADIO & NAVIGATION EQUIPMENT

SSB	1 x Furuno
VHF	3 x MCMURDO R1
Radar	2 x (One of them ARPA)
Echo Sounder	1 x JRC
Gyro Compass	1 x Yokogawa Denshikiki
GMDSS	Furuno , A1 + A2 + A3
Magnetic Compass	1 x SAURU
Speed Log	1 x JRC
Auto Pilot	1 x COM NAV 2001
Navtex Receiver	1 x JRC
DGPS Navigation	2 x JRC
AIS	1 x JRC
EPIRB / SART	1 x MCMURDO E3
Joy Stick Control	2 x Palmarine
Weather Faximile	1 x JRC

FIRE FIGHTING EQUIPMENT

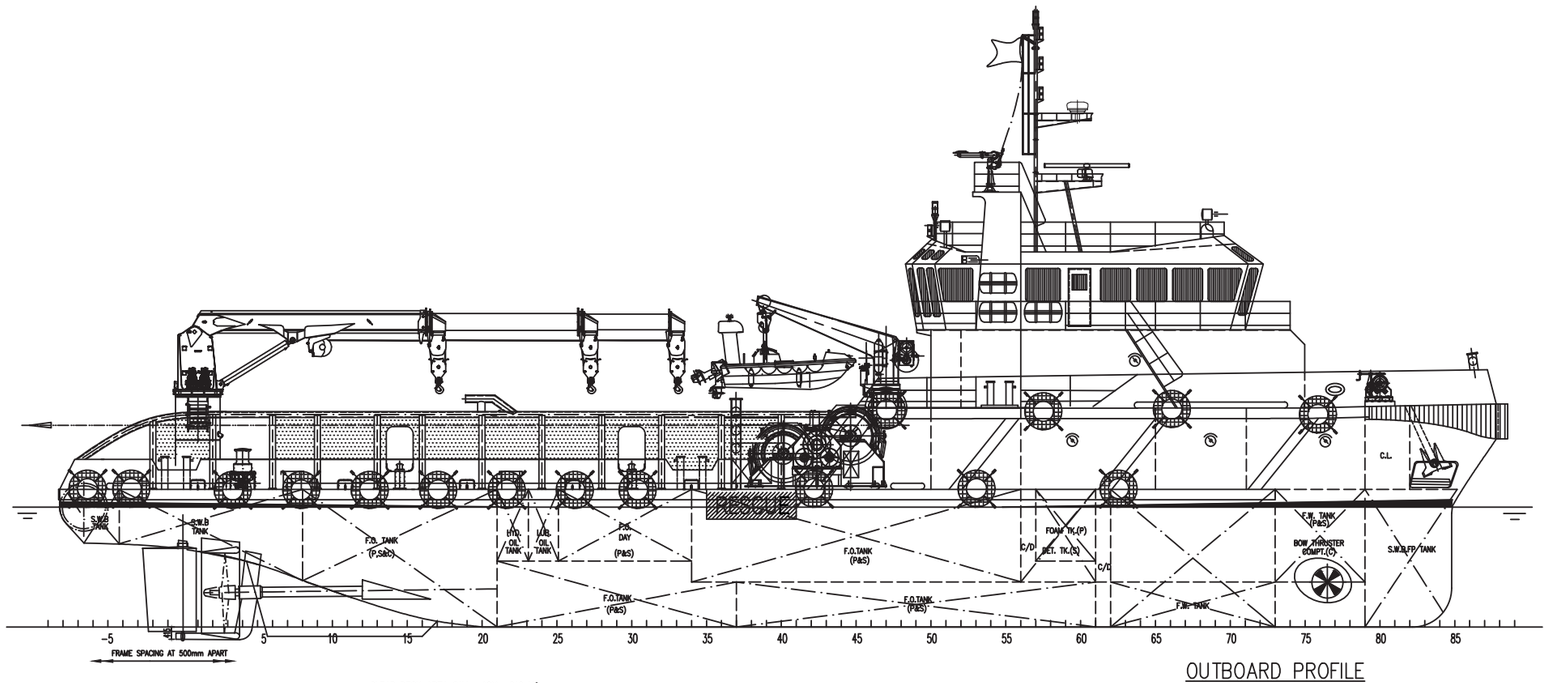
External

Fire Pump	2 X 2905 m^3/hr at 11 bars
Fire Monitors	2 water monitors (One with double barrel for foam discharge)
Fiixed Water Spraying	All round water curtain 35 m^3/hr.

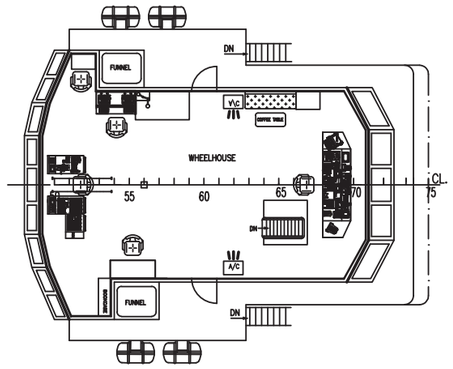
Internal

Co_2 system for E/R	Fixed central bank.
GS & Fire Pump	1 x 50 m^3 /hr at 45 m head.
Emergency Fire Pump	1 X 25 m^3/hr at 45 m head.

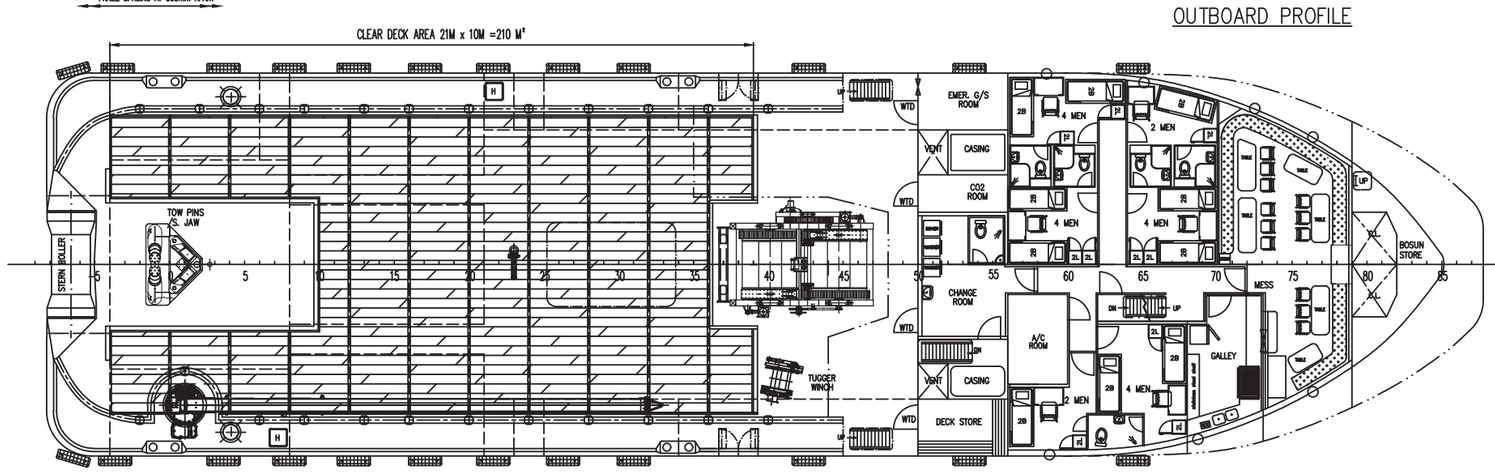




OUTBOARD PROFILE

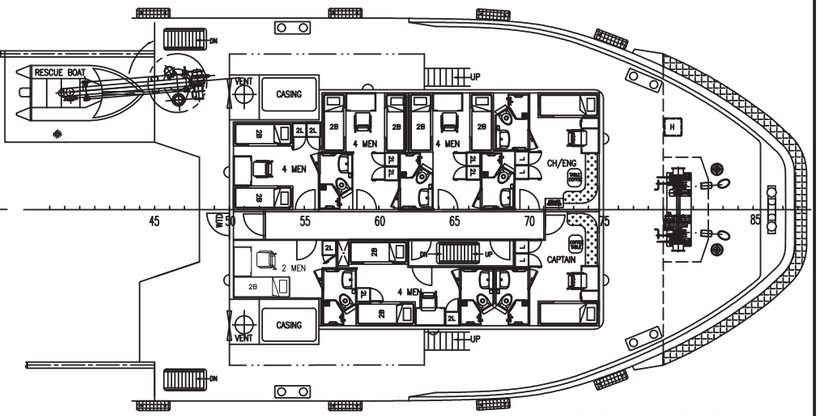


WHEELHOUSE DECK



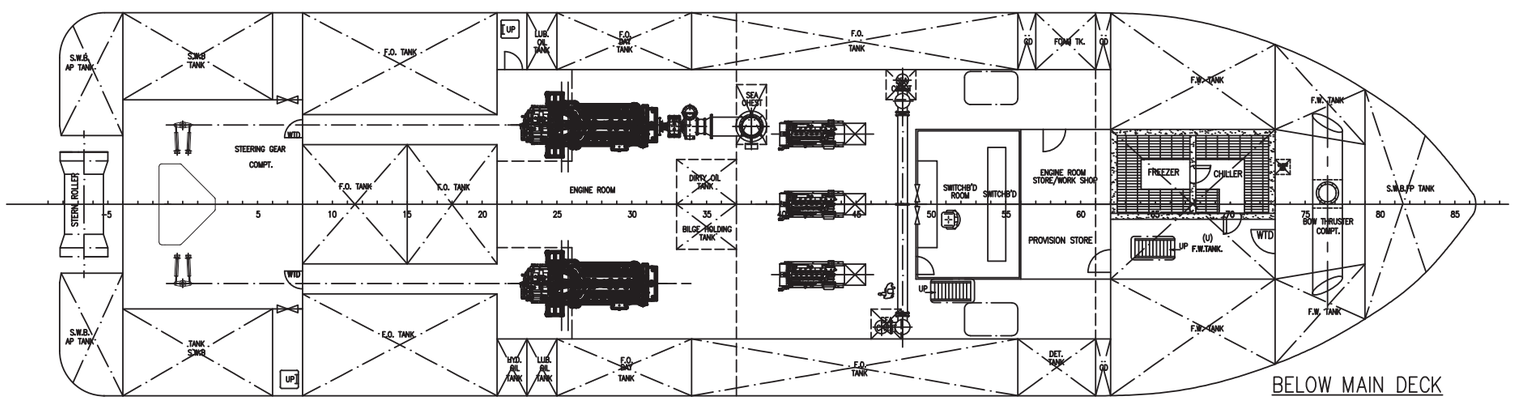
MAIN DECK PLAN

2 x 2 MAN CABIN = 4 MEN
4 x 4 MEN CABIN = 16 MEN
20 MEN



FORECASTLE DECK PLAN

2 x 1 MAN CABIN = 2 MEN
1 x 2 MAN CABIN = 2 MEN
4 x 4 MEN CABIN = 16 MEN
20 MEN



BELOW MAIN DECK

PRINCIPAL DIMENSIONS

LENGTH OVERALL	48.00 M
LENGTH WATERLINE	46.43 M
LENGTH B.P.	42.90 M
BREADTH MOULDED	12.80 M
DEPTH MOULDED	4.60 M
DESIGN DRAFT MOULDED	4.00 M
COMPLEMENT	40 MEN
FUEL OIL (APPRO.)	670 M³
FRESH WATER (APPRO.)	190 M³
BALLAST SEA WATER	80 M³
FOAM TANK	10 M³
DISPERSANT TANK	16 M³
AFTER DECK SPACE(APPROX)	210 M²
TOTAL POWER	2x2100 BHP
TRIAL SPEED	12.0 KNOTS
BOLLARD PULL (AHEAD)	52.0 TONNES
OIL DISPERSANT	BEAMLESS BOW NOZZLE
WATER CURTAIN	ROUND NOZZLE

ESL

VESSEL NAME	M.V. INW-5
OWNER	INTERNATIONAL NAVAL WORKS
TITLE	GENERAL ARRANGEMENT PLAN
SCALE	1 : 100