



PUSHER HARBOUR TUG

Principal Particulars

Flag	Indonesia
POR	Jakarta
YOB	2016
Builder	Hin Lee (Zhuhai) Shipyard Company, Limited
Designer / Design	Robert Allan Ltd / 208-117
Length OA	29.64 m
Breadth Moulded	12.40 m
Depth Moulded	5.4 m
Draft Design	Not more than 4.21 m
Gross Tonnage	493 MT
Net Tonnage	147 MT
Bollard Pull	70 T
Max speed	13 knots
Classification	Lloyd's Register of Shipping + 100 A1 Tug, Fire-Fighting Ship 1 (2400m ³ /h) with Water Spray, *IWS, +LMC, UMS

Machinery

Main Engine	2 x Caterpillar 3516C (HD) 2682 BHP @ 1600rpm
Auxiliary Generator	2 x Perkins 112eKw 415v, 3-Ph, 50Hz
Azimuth Thrusters	2 x Schottel SRP1515 FP

Deck and Towing / AH Equipment

Anchor Windlass/ Towing Winch	MacGREGOR, Electro hydraulic driven Line pull = 10 T at 0-10 m/min Brake capacity = 175 T
Aft Towing Winch	Electro hydraulic driven Line pull = 20 T at 0-10 m/min, 5 T at 0-25 m/min Brake holding capacity = 175 T
Deck Crane	Palfinger PK11001M, hydraulic, knuckle-boom type. Lifting capacity = 1.5 T Max outreach = 6 m

Navigation Equipments

SSB Radio, Radar, Satellite Compass, Auto Pilot, Echo Sounder, VHF, GPS, Magnetic Compass, Navtex Receiver, AIS, GMDSS A2, SSAS, Inmarsat C, SART & EPIRB, Public Address

Cargo Capacities

Fuel Oil	236.7 m ³
Fresh Water	48.9 m ³

Emergency Responses and Fire Fighting Capabilities

FIFI pump	FFS 2740 m ³ /hr @ 107 mlc driven by starboard main engine PTO
Fire monitor	FFS 1200 m ³ /hr @ 10 bar
Permanently installed carbon dioxide for engine room	
Fire detection & alarm system	

Discharge Rate

FO transfer pump	2 x 7.2 m ³ /hr @ 2 bar
LO transfer pump	1 x 7.2 m ³ /hr @ 2 bar
Bilge/ballast pump	1 x 25 m ³ /hr @ 4 bar

Accommodation

Total	10 pax
-------	--------

