

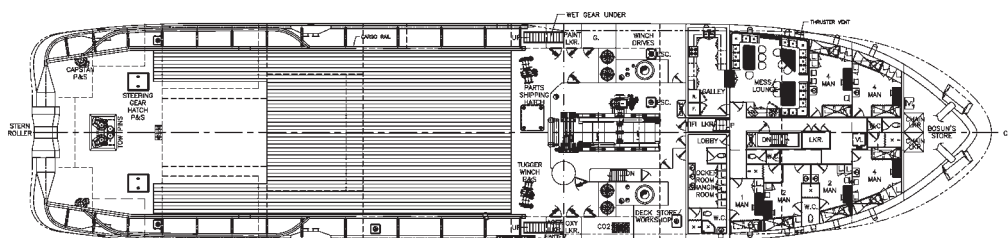


Builder:

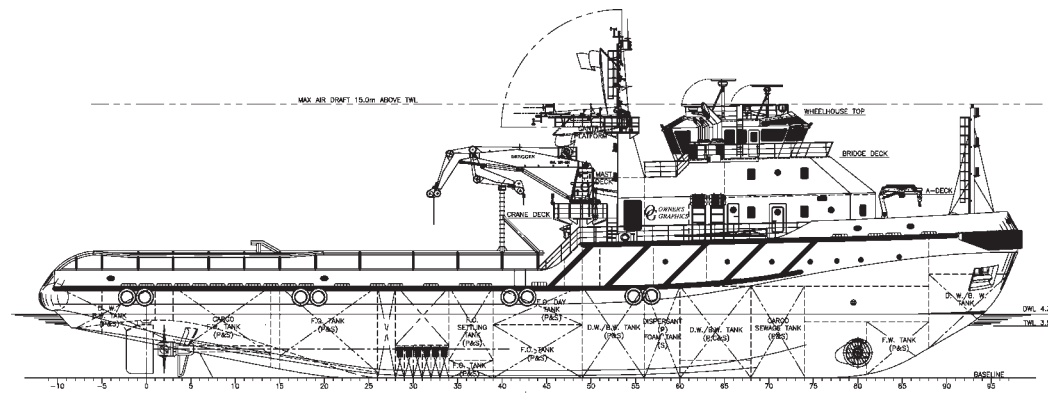
Keppel Singmarine

Co Reg No.: 188700005K





Main Deck



Outboard Profile

SVETLYY

60-Tonne Bollard Pull Ice-Class Anchor Handling Tug/Supply vessel

Built to operate in ice conditions of minus 20 deg Celsius and ice thickness of up to 70cm, M.V. Svetlyy is the first newbuild Ice-Class Anchor Handling Tug/Supply vessel of Keppel Singmarine.

The vessel is designed for bollard pull of 60 tonnes, equipped with Class 1 fire-fighting capabilities and is suitable for various marine and coastal towage activities.

Classification

КМ * ЛУЗ А1 Supply Vessel (СУДНО ОБЕСПЕЧЕНИЯ)

Vessel specifications

Length Overall :	65.00 m
Breadth Moulded :	15.00 m
Depth Moulded :	6.20 m
Draft Design :	4.30 m

Performance

Bollard Pull: 60 tonnes (min) at 100% MCR
Speed at 100% MCR, 13 knots at 3.5m draft

Propulsion System

Main Engine: 2 x 2640 kW, CAT-Mak 8M25
Alternator Sets: 2 x shaft-driven 650 kw and engine-driven generators each 356 kW, 380V/3Ph/ 50Hz@0.8 PF

Emergency Generator: 1 x 125 kW/380V/ 50 Hz engine-driven
Bow Thruster: 1 x CPP Tunnel, 6.0 T thrust
Propellers: 2 x controllable pitch propellers, 4-bladed, 3250 mm dia
Rudders: 2 x flap type
Steering Gears: Electro-hydraulic rotary vane type for twin rudders, 70 kNm torque

Deck Equipment

Windlass: 1 x 7.0 tonnes@0 – 9m/min, Brattvaag electro hydraulic with 2 gypsies and 2 warping heads
Anchors: 2 x 1440 kg AC-14 high holding power type
Chains: 2 x 550 m (L) x 36 mm dia U3 steel stud link
Capstan: 2 x 10 tonnes@0 – 14 m/min, Brattvaag
Tugger Winch: 2 x 10 tonnes @ 0 – 14 m/min, each electro-hydraulic drum capacity 100m (L) x 22mm SWR
Deck Crane: 1 x 12.0 tonnes @ 10 m, electro-hydraulic folded jib type, Dreggen
Provision Crane: 1 x 0.5 tonnes @ 6 m, electro-hydraulic foldable boom, max lifting moment 4.1 mt, Palfinger

Fire-Fighting/Anti-Pollution Equipment

External: FIFI Class 1 with water curtain all round
Fire Pump: 2 x 1596 m³/hr at 130 mlc and 1 x 1200 m³/hr at 130 mlc
Water/Foam Monitor: 2 x 1200/300 m³/hr at 12 bar 120m length/50m height throw
Water Monitor: 1 x 1200 m³/hr at 12 bar 120m length/50m height throw
Dispersant Spray Boom: 2 x 6 m aluminium spray booms

Towing/Anchor Handling Equipment

Bollard Pull: 60 tonnes
Brattvaag Winch: 1 x electro-hydraulic, double drum waterfall type
Line Pull 120 tonnes@1st layer slow speed
Brake Capacity: 200 tonnes@1st layer both drums
Upper Drum Capacity: 1000m x 56mm dia steel wire rope
Lower Drum Capacity: 1000m x 56mm dia steel wire rope
Stern Roller: 200 tonnes SWL, 1600 mm dia x 3500 mm length
Fork & Pins: 1 set Karm Fork of SWL 300 tonnes & Tow Pins for vessel with bollard pull less than 160 tonnes

Keppel Singmarine

(A member of the Keppel Group)

We have vast experience in the building of a wide range of small to large-sized vessels for a worldwide clientele.

In newbuilding, we have the design, engineering and construction capabilities to undertake customised offshore support vessels, specialised vessels and tugboats.

Operating from three yards equipped with comprehensive facilities, we provide customers quality work and services on time, and within budget.

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