



**Type** : **PUSHER HARBOUR TUG**

**Year Built**  
2004

**Port of Registry**  
Malaysia

**Class**  
LRS  
Lloyd's Register of Shipping ⌘ 100 A1 Tug ⌘  
LMC Fire Fighting Capability

**Capacity**  
Fuel : 85m<sup>3</sup>  
Dispersant : 2.0m<sup>3</sup>  
Fresh Water : 30m<sup>3</sup>  
Foam : 6.0m<sup>3</sup>

**Tonnage**  
Net Tonnage : 74 Tonne  
Gross Tonnage : 248 Tonne

**Speed** : 12 knots

**Bollard Pull** : 45 T excess

**Dimensions**  
Length Overall : 27 m  
Breadth Moulded : 9.00 m  
Draft Design : 3.8 m  
Depth Moulded : 4.70 m

**Main engines**  
Niigata 6L22HX  
2 x1800bhp at 1,000 rpm

**Propulsion**  
2 x Niigata ZP-21 fixed pitch propeller  
with steerable Azimuth thrusters

**Generator**  
Perkins 1006TWGM  
2 x 90 kW, 380V, 3pH, 50Hz

**Deck Machinery**  
Towing Winch/ Anchor windlass:  
Plimsoll, electro hydraulic driven  
Braking capacity 100 / 120 T

Aft Towing Winch:  
Plimsoll, electro hydraulic driven  
Braking capacity 100 / 120 T

**Navigational & Communication Equipment**  
Echo Sounder, EPIRB, GMDSS Radar Transponder,  
GMDSS VHF Radio, Magnetic Compass, GPS  
Navigator, Marine Radar, Navtex Receiver, SSB,  
VHF Radio

**Fire-Fighting System**  
Engine driven Nijhuis model HGT1- 250.500 pump  
2 x SKUM fire monitor (600 m<sup>3</sup>/hr each)  
1 set Foam Mixing fitting  
Self drenching system / water curtain system

**Others**  
Oil Pollution Fighting System

**Accommodation**  
10 persons

**Builder**  
Keppel Singmarine Pte. Ltd.

*This vessel specification is given in good faith and assumed to be correct. December 2010*



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# GENERAL ARRANGEMENT

TUG NAME: KSP SUN

