WTUG 5802 LNG HT
28.8m 50t BP LNG Harbour Tug

DATASHEET

Design highlights

The Tug is designed for following functions and operation in coastal water and within harbour areas:
- Towing
- Berthing assistance push and pull
- Option for fire-fighting

Designed to comply with latest IGF code:
- Latest Dual Fuel Engine technology:
  - reduces emissions in LNG operation: SOx (90%), CO2 (20%), NOx (50%)
  - compliant with MARPOL Tier III in gas mode
- High manoeuvrability
- Over 40 years experience in Tug market and leading experts in LNG
- Wartsila LNGPac incorporated in vessel. Streamline components and minimise builder piping and automation.

SPECIFICATION IN BRIEF

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Length overall</td>
<td>28.80 m</td>
</tr>
<tr>
<td>Draught, design</td>
<td>4.00 m</td>
</tr>
<tr>
<td>Gross tonnage</td>
<td>495</td>
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<tr>
<td>Deadweight, max</td>
<td>378t</td>
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<tr>
<td>Service speed</td>
<td>12.0 knots</td>
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<tr>
<td>Operation area</td>
<td>A1</td>
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</tbody>
</table>

03/2017
TECHNICAL SPECIFICATION

MAIN DIMENSIONS
- Length over all (excl. fenders)........... 28.80 m
- Length PP.................................... 23.04 m
- Breadth on frame (excl. fenders)........ 13.00 m
- Depth to deck............................... 6.00 m
- Design draught................................ 4.00 m
- Design draught (incl. skeg)............... 4.60 m
- Gross tonnage................................ 469 t

PERFORMANCE
- Bollard pull.................................. 50 tonnes
- Service speed.............................. 12.0 knots
- Endurance, service speed (IMO).......... 495 nm

CLASSIFICATION
- ABS *A1 (geographical limitations), Towing Vessel, *AMS G6(SFD)
- Or
- BV 1 +HULL +MACH Dual Fuel, Tuq. = Aut- CCS5

ACCOMMODATION
- The vessel has accommodation for total 6 persons. 2 x 1 man cabins with attached toilets and 2 x 2 man cabins with common toilets.

CAPACITIES, approx. (100%)
- LNG tank (1 tank).......................... 25 m³
- Fuel oil........................................ 50 m³
- Fresh water................................ 45 m³
- Ballast water.............................. 275 m³
- Hydraulic oil storage...................... 2 m³
- Lube oil storage........................... 8 m³
- Sewage holding tank...................... 2 m³
- Dirty oil tank................................ 3 m³
- Binnacle holding tank.................... 5 m³
- Overflow tank.............................. 2 m³

DECK EQUIPMENT
- Fed windlass/towing winch.............. 5 t @ 20m/min, break holding 120t
- Aft towing hook............................ 50 t SWL

- Option
  - Towing winch with towing drum of capacity 220m pp rope or 400m steel wire type. 120t brake holding.

PROPULSION / MACHINERY
- Dual fuel engines for propulsion
  - Main engine................................ 2 x 9L 20DF
  - HP rpm............................. 1600 kW @ 1200 rpm
  - Steerable thruster...................... WST-16 CPP, dia 2.2m
  - Option WST-16 CPP, dia 2.2m

REFERENCES
- Shipyard...................... Dubai Drydocks World
- Ship owner...................... Dubai Drydocks World
- Design ID.............................. WTag S801 LNG HT
- Reference number............... 46630

APPROVAL-IN-PRINCIPLE

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