

# 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 (100%), CO<sub>2</sub> (20%), NOx (80%)

- compliant with MARPOL Tier III in gas mode

- High manoeuvrability
- Over 40 years experience in Tug market and leading experts in LNG
- Wärtsilä LNGPac incorporated in vessel. Streamline components and minimise builder piping and automation.

### SPECIFICATION IN BRIEF

Length over all	28.80 m
Draught, design	4.00 m
Gross tonnage	495
Deadweight, max	378t
Service speed	12.0 knots
Operation area	A1





## 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 (in cl. skeg) .....	4.60 m
Gross tonnage .....	abt 495 t

### PERFORMANCE

Bollard pull.....	50 tonnes
Service speed .....	12.0 knots
Endurance, service speed (MDO).....	950 nm

### CLASSIFICATION

ABS \*A1 (geographical limitations), Towing Vessel, \*AMS GFS(DFD)

Or

BV 1 +HULL +MACH Dual Fuel, Tug, +Aut-CCS

### 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 m <sup>3</sup>
Fuel oil.....	50 m <sup>3</sup>
Fresh water.....	45 m <sup>3</sup>
Ballast water.....	230 m <sup>3</sup>
Hydraulic oil storage.....	4 m <sup>3</sup>
Lube oil storage.....	8 m <sup>3</sup>
Sewage holding tank .....	2 m <sup>3</sup>
Dirty oil tank.....	3 m <sup>3</sup>
Bilge holding tank.....	3 m <sup>3</sup>
Overflow tank .....	2 m <sup>3</sup>

### DECK EQUIPMENT

Fwd windlass/towing winch.....	5t @ 20m/min., break holding 120t
Aft towing hook.....	50t 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 9L20DF
HP/rpm.....	1600 kW@1200 rpm
Steerable thruster.....	WST-16 CPP, dia 2.2m (option WST-16 FP, dia 2.2m)

### REFERENCES

Shipyard.....	Dubai Drydocks World
Ship owner.....	Dubai Drydocks World
Design ID.....	WTug 5801 LNG HT
Reference number .....	40630

### APPROVAL-IN-PRINCIPLE



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WSD ID: 40771

