

BOWER EIR

FUEL EFFICIENT, LNG POWERED PSV



GENERAL

Owner	Bower Offshore AS
Type	VS 4412 DF PSV
Design	Wartsila Ship Design Norway AS
Class	DNV, 1A1, Offshore Service Vessel +, Supply, SF, DYNPOS-AUTR, E0, GAS FUELLED, CLEAN DESIGN, COMF-V(3) & C(3), LFL*, NAUT OSV(A), DK (10t/m ²) and HL (2.8), ESV-DP (HIL), ESV- PMS (HIL)

Authorities	NOR
Yard	Kleven Verft
Hull Yard	Kleven Verft
Keel Laying	13.08.2013
Delivery	20.11.2014
DNV Id No.	32920
IMO No.	9668647
Signal Letters	LEEW
Accommodation	26 persons
Cargo Deck	1090 m ²
LOA	92.5 m
BEAM	20.0 m

MACHINERY

Main Engines	Wartsila - 6L34DF	2 x 2610 kW
Main Engines	Wartsila - 6L20DF	2 x 1056 kW
Emergency generator	Volvo Penta D9 MG RC/HCM	216 ekW
Main Propulsion	Rolls-Royce - AZP 120 FP	2 x 2450 kW
Retractable Thruster	Rolls-Royce - TCNS 4.5 TM FP	880 kW
Tunnel Thruster (Fwd)	Rolls-Royce - TT2000 DPN CP	2 x 1200 kW

EQUIPMENT

Deck Cranes	TTS	2 x 3 T @ 13 m
Tugger Winches	Norwegian Deck Machinery	2 x 15 T
Windl./Mooring Winches	Norwegian Deck Machinery	2 x 17 T
Mooring Winches (aft)	Norwegian Deck Machinery	2 x 12 T
LNG system / tank	Wartsila LNGPac	230 m ³
Bolier	Ulmatec Pyro	600 kW
BWTS	Optimarin	170 m ³ /h



PERFORMANCE & CAPACITIES

Speed (approx)	15,5 kN
Gross Tonnage	5380 T
Net Tonnage	1886 T
Lightweight (approx)	4041 T
Deadweight at 7,35 m draft	approx. 5900 T
Deck Load	approx. 3200 T
Fuel Oil	1000 m ³
Drill Water / Water Ballast	1800 m ³
Fresh Water Cargo	1000 m ³
MUD	980 m ³
Base Oil	150 m ³
Brine	830 m ³
Slop	50 m ³
Dry Bulk (4 tanks)	330 m ³
Methanol	230 m ³
Special Product	400 m ³

MAIN DIMENSION

Length over all	92.50 m
Length between perpendiculares	84.90 m
Breadth Moulded	20.00 m
Depth Main Deck	9.00 m

EQUIPMENT

DP System	Rolls-Royce Icon™
DE System	Wartsila
IAS	Wartsila
Cargo Equipment	Allweiler
HVAC	Novenco
Separators	Alfa Laval
Navigation & Comm.	Hareid Marine Technology
Internal FiFi System	Autronica

