

Specifications

Aker PSV 23DE

260' Diesel Electric Platform Supply Vessel

GENERAL

The PSV23DE is a Diesel Electric PSV designed to service offshore installations in terms of carrying:

- Deck cargo with a deck load capacity of 5mt/m2.
- Liquid cargoes such as mud, drill water, fresh water, fuel etc.
- A combination of deck cargo and liquid cargo at a maximum deadweight according to load line.
- Passengers, if full crew not embarked.

PRINCIPAL DIMENSIONS

Length overall	260'-0"	79.2 m
Length waterline	254'-0"	77.4 m
Moulded breadth	60'-0"	18.3 m
Moulded depth	19'-6"	5.9 m
Design draft (max)	15'-8"	4.8 m

CLASSIFICATION

The vessel is designed to meet the requirements of USCG SUB I & L / SOLAS / ABS A1
Offshore Service Vessel AMS DP2 (ACCU optional)

ACCOMMODATION

A total of 36

PERFORMANCE

Installed power	5,400 kW
Maximum speed	12 kn

CAPACITIES

Deadweight at design draft	3,557 MT	3,500 LT
Deck cargo area	820 m ³	8,840 ft ²
Deck loading (max)	5 t/m ²	1,024 lb/ft ²
Fuel oil	624 m ³	165,000 USG
Ballast water	1,950 m ³	515,000 USG
Bulk Mud	348 m ³	12,300 cu.ft.
Liquid Mud	1669 m ³	10,500 BBLs
Fresh water	49 m ³	13,000USG

CARGO EQUIPMENT CAPACITIES

Cargo Fuel Oil Pump	1x 800 GPM	1 x 180 m3/hr
Drill Water Pump	1x 800 GPM	1 x 180 m3/hr
Liquid Mud Pump	1x 900 GPM	1 x 200 m3/hr
Brine Pump	1x 450 GPM	1 x 100 m3/hr
Ballast & Fire Water Pump	1x 225 GPM	1 x 225 m3/hr

PROPULSION MACHINERY

Diesel Generators:

- Diesel Electric (2) x 1,800KW
- Diesel Electric (2) x 900KW

Main Propulsion:

- (2) X 1,975kW (2,650HP) fixed pitch Z-Drive units with variable frequency electric drives and reversing motors.
- Other alternative arrangements available

AUXILIARY MACHINERY

- Bow Thrusters: (2) X 900 kW (1,200HP) fixed pitch units with variable frequency electric drives and reversing motors.
- Fi-Fi 1 installation, electrically driven
- Emergency generator: (1) x 125KW

ELECTRICAL

Power Generation and Main consumers - AC 690V, 60HZ, 3 Phase

- Ship's Service - 440V, 60Hz, 3 phase/110V, 60HZ, Single Phase

AUTOMATION

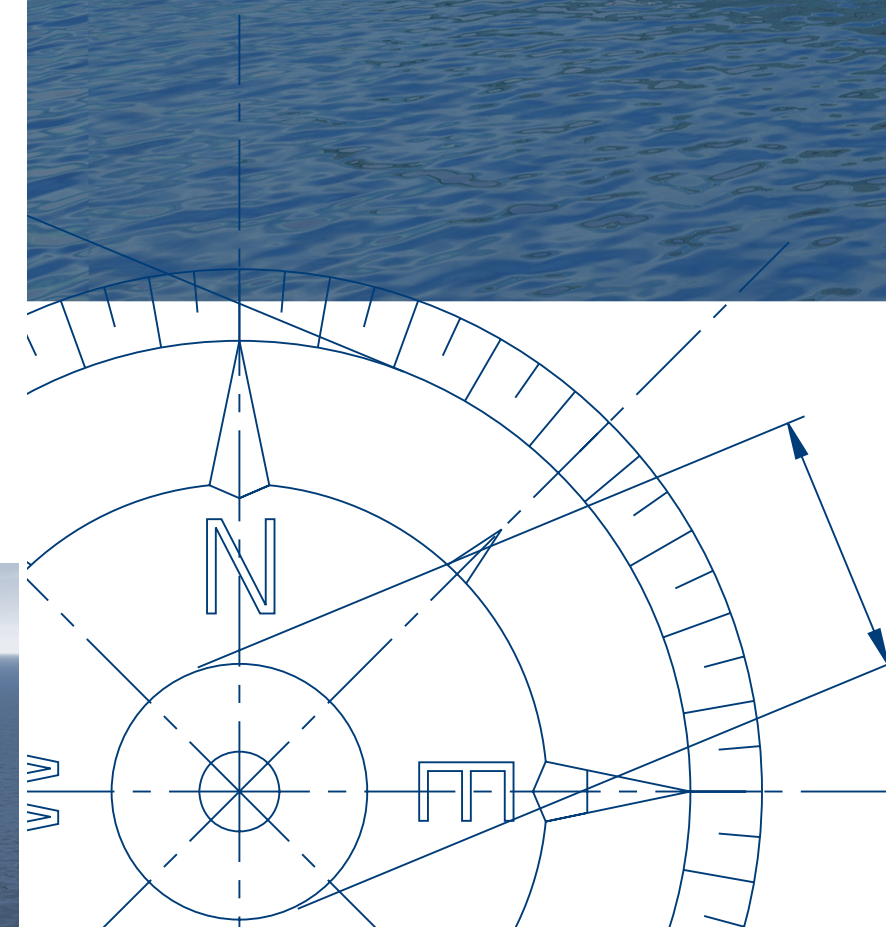
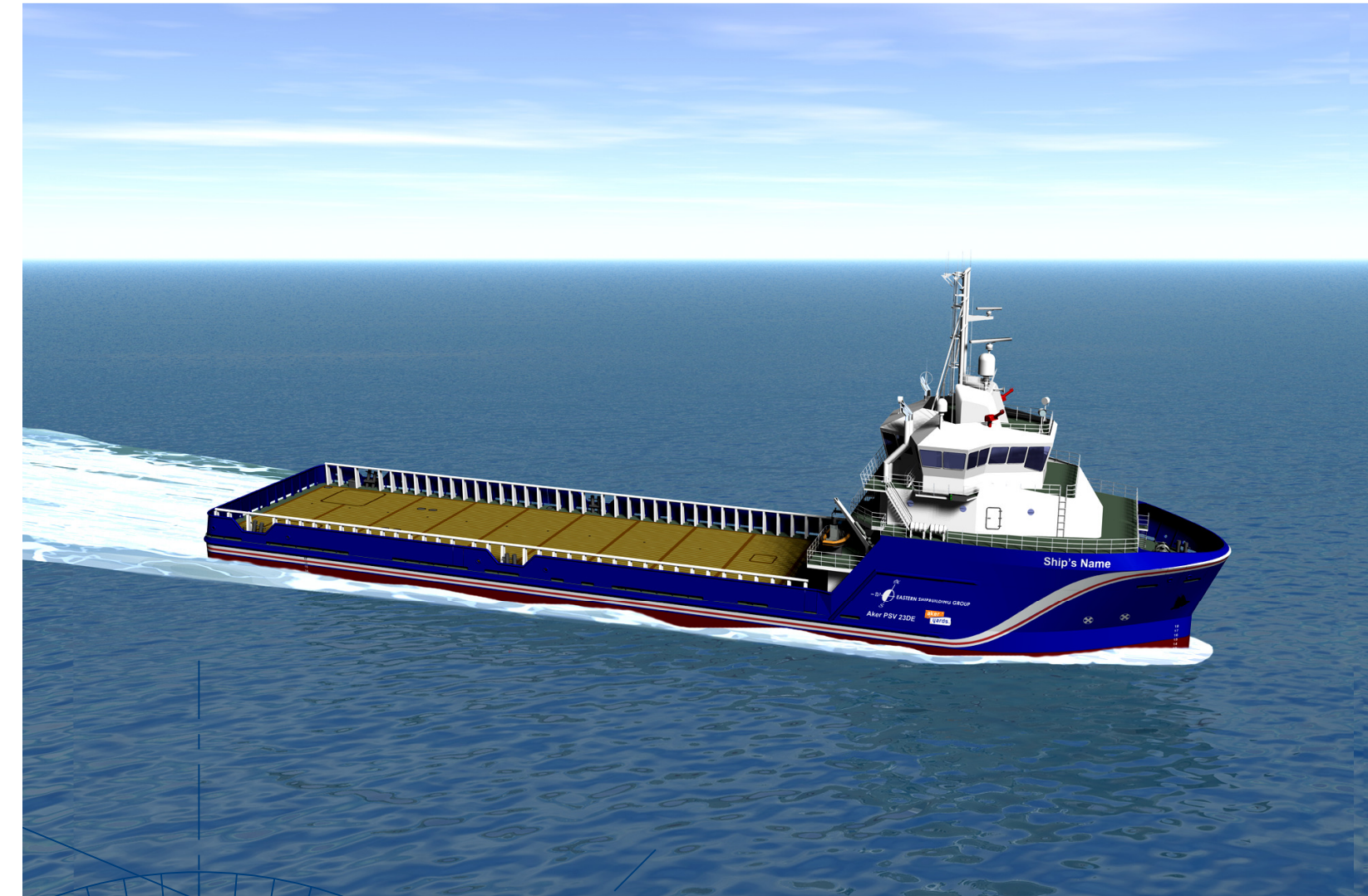
- DP 2 / power management system fitted as standard.
- Port and starboard segregation of power generation systems standard
- Automation and instrumentation can be provided for unmanned engine room as an option.
- Local control and instrumentation provided.


DECK MACHINERY

- One (1) electric anchor windlass with two wildcats.
- Two (2) 5 ton tugger winches.
- One (1) deck crane, capacity 5 tons.
- Two (2) capstans of 5 ton capacity


SAVING EQUIPMENT

- One (1) 4.9m work-boat with 25 hp outboard motor.
- Four (4) twenty-five man inflatable life rafts
- One (1) fifteen man inflatable life raft
- Forty (40) lifejackets
- Eight (8) life buoys.
- One (1) set 12 type "A" distress rocket signals
- Line throwing apparatus
- Two (2) embarkation ladders





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