



PSV OSRV ATLAS Z – Specifications

4550 BHP, 64m, DP1, FIFI 1

ABOUT

The multi-functional PSV OSRV Atlas Z is a EISA UT786 CD design, retrofit 2025, designed to ensure high quality anchor handling capabilities in demanding offshore environments, and one with as little environmental impact as possible.

A powerful deepwater anchor handler that also has full supply capability and excellent standby rescue capacity. In addition, the ship is equipped for firefighting, rescue, oil recovery and ROV operations.

The low resistance hull form has been optimized to achieve low fuel consumption, built to achieve DNV's environment-conscious Clean Design class notation, and equipped with catalyzers to reduce NOx emissions to very low levels.

KEY FEATURES

DNV/GL Classed AHTS

FIFI Class 1

Accommodation for 22 persons

Dynamic Positioning Class 1

ATLAS Z

DESIGN	PSV-OSRV 750-10 1300TON
CLASSIFICATION	DNV 1A Fire fighter(I), Offshore service vessel, DPS(1), OILREC
BUILDERS	ESTALEIRO ILHA S.A (EISA)
PORT OF REG.	RIO DE JANEIRO
FLAG	BRAZIL
MMSI	710016230
IMO NO	9630705
DELIVERY DATE	DEC 2013
CALL SIGN	PPRJ

MEASUREMENTS

LENGTH O.A.	64.05 m
LENGTH B.P.P	61.61 m
BREATH MOULDED	15.60 m
DEPTH MOULDED	6.00 m
DESIGN DRAFT	3.50 m
DRAUGHT, MAX.	4.64 m
FREEBOARD, MIN	1.36 m
CORRESPONDING DWT	2108mt
GROSS TONNAGE	2025
NET TONNAGE	607
LIGHT SHIP	1608mt
DISPLACEMENT	1623mt

PERFORMANCE / CONSUMPTION

MAX. SPEED	11/12knots / 13cbm / day
SPEED FULLY LOADED	10knots / 8cbm / day
ECON SPEED FULLY LOADED	7knots / 5cbm / day
HARBOUR MODE	1t / day

ACCOMMODATION 22 PERSONS

CABINS	2 x single cabins 8 x 2-men cabins 1 x 4-men cabins 2 x 2-men passenger cabins
DAYROOM	1 off
CHAGE ROOM	1 off
MESS ROOM	1 off
HOSPITAL	Yes
COOL STORE / FREEZER	Yes

ADVANCED OIL RECOVERY SYSTEM

MAKER	ALLMARITIM
CONTINGENCY BOOM	NOFI Current Blaster 6
OIL RECOVERY SYSTEM	NorMar Integrated Pump System 4
NORMAR 4 PUMP UNIT #1 - MARIFLEX MSP 150	360 m ³ /h
NORMAR 4 PUMP UNIT #2 - DESMI DOP 250	100 m ³ /h

CARGO CAPACITIES

DECK CARGO	500 t
DECK AREA MAX	444 m ²
DECK STRENGTH	3 t/ m ²
FUEL OIL	536,47 m ³
RECOVERED OIL	8 tanks, 750,08 m ³ (85% Full)
POT WATER	316,30 m ³
BALLAST	661,12 m ³
DISPERSANT TANK	18.18 m ³
THERMAL FLUID	3.60 m ³
CARGO MANIFOLDS	Main deck: Aft both sides

DISCHARGE RATES

FUEL OIL CARGO	2 X ALLWEILER X 100 M ³ /H
POTABLE WATER	2 x ALLWEILER x 60 m ³ /h
BALLAST/GENERAL SERVICE	2 X ALLWEILER x 25 m ³ /h
RECOVERY OIL	2 x KSB x 25 m ³ /h
FUEL OIL FLOWMETER	1 x TECHMECH x TURBINA TCM 100-ABEA-30A
FRESH WATER FLOWMETER	1 x CONTECH x CTH2265

MACHINERY/PROPULSION

MAIN DIESEL GENERATOR	3x CAT 3512C 1700kw @ 1800RPM, DIESEL
EMERGENCY HARBOUR GENERATOR	CAT C18 DIESEL - 340kw, DIESEL
BOW THRUSTER	2x BTT BERG BFTT211 - 470kw
AZIMUTH THRUSTER BOW	2x AZI BERG BAT 523 - 1700KW

PROPELLERS / STEERING

FIXED PITCH PROPELLERS 2300 MM DIAMETER FITTED ON 2 Z-DRIVE AZI

DP SYSTEM

DP SYSTEM TYPE	DP 1
DP CONTROL SYSTEM	CONVERTEAM DPS11 SIMPLEX, PLUS IIS
2 GYRO COMPASSES	2 X ANSCHUTZ STD22
2 MOTION REFERENCE UNITS	2 X Inertial lab MRU B1
2 ULTRASONIC WIND SENSORS	2 X Gill Wind
1 CYSCAN	Observer 2 (Ultrasonic) type
2 DGPS	N/A
	VERIPOS - HEXAGON LD900

LIFERAFT / RESCUE BOAT

MOB BOAT	PALFINGER FRSQ 600 G SID
SURVIVOR CAPACITY	15 PERSON
RESCUE BOAT DAVIT	PALFINGER PRHE25
LIFERAFTS	2X 16 PRSNS UPPER (PORT & STBD) & 2 X 25 PRSNS LOWER (PORT & STBD)

ENTERTAINING EQUIPMENTS

SAT TV SEA TEL.
RACK WITH 5X TUNERS
1 OFF TV IN ALL CREW CABINS
1 OFF RADIO/CD INN ALL CABINS

MOORING & DECK EQUIPMENT

WINDLASS	N/A
ANCHORS	N/A
CHAIN	N/A
TUGGER WINCH FORWARD	2x Tuggers NAVAL SUL / 6 TON each
TUGGER WINCH / CAPSTAN AFT	2 x Capstans Coastal Marine / 5 TON each
CRANE	IMAP IMEE 17 – 5,5/10 - 3 TON

NAVIGATION EQUIPMENT

1 X ELECTRONIC CHART PLOTTER	Furuno Ecdis FMD-3100
2 X RADAR (X-BAND)	Furuno FAR-2107 ARPA
3 X GYRO COMPASS	Anschutz STANDARD 22 Digital
1 X AUTO PILOT	Anschutz Raytheon NG003
1 X AIS	Furuno AIS Transponder, Model FA-1502
1 X GPS	Furuno DGPS Navigator Model GP-150
1 X SPEED LOG	Furuno Doppler Log, Model DS-80
1 X ECHO SOUNDER	Furuno Navigational FE-700 / FE-701
1 X MAGNETIC COMPASS	Plath Magnetic. Type, Reflecta 1 Fiberline
1 X WEATHER FAXIMIL	Furuno Weather Faximile, Model FAX-207
1 X VDR	Furuno VDR VR-3000
1 X SOUND RECEPTION	Zenitel Sound Reception System,VSS-111
1 X BRIDGE WATCH MONOT.	Furuno BR-500

COMMUNICATION EQUIPMENT

1 X SSB RADIO HF/MF/DSC	Furuno FS-2570C
2 X VHF / DSC	Furuno FM 8800S
3 X VHF PORTABLE	Jotron Tron TR-20
2 X INMARSAT C	Furuno Felcom 18
1 X NAVTEX	Furuno NX-700A
1 X EPIRB	Jotron Tron 60 AIS
1 X EPIRB	Jotron Tron 45 SX
1 X INMARSAT MINI M	Thrane Thrane
4 X VHF PORTABLE	Motorola GP 380 -EX
2 X UHF BRIDGE & ECR	Motorola UHF GM380
4 X UHF PORTABLE	Motorola GP 380 -EX
2 X STARLINK	Starlink Maritime Antenna