



**INDEPENDENT
INNOVATIVE
SOLUTIONS**

OSD-IMT8202 2000 CM SELF-PROPELLED SPLIT HOPPER

PRINCIPAL CHARACTERISTICS

LOA	78.2	m
LBP	75.2	m
Beam mld.	16.00	m
Depth mld.	5.75	m
Max Draught (Cargo S.G. 1.50)	4.50	m

CAPACITIES

Hopper Capacity	2000	m ³
Hopper (cargo S.G. 1.25)	2500	tonnes
Hopper (cargo S.G. 1.50)	3000	tonnes
Oil Fuel	80	m ³
FW	60	m ³
Hydro Oil	10	m ³
Lub Oil	4	m ³

ACCOMMODATION

Compliment 10
Two-man cabins 4
Chief Engineer Cabin & Dayroom
Captain Cabin & Dayroom
Accommodation comprises: galley, mess/recreation room, dry provisions and refrigerated provisions stores, toilets.
Service spaces to include, deck stores, laundry and drying room.

LIFE SAVING

Life Rafts	2x	20-man inflatable life rafts with hydrostatic release
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MOB & SOLAS approved
single arm slewing davit 1x

CLASS

BV: I \boxtimes HULL, \boxtimes MACH AUT-UMS SPLIT HOPPER,
UNRESTRICTED NAVIGATION

MAIN EQUIPMENT

Main Engines	2x	European CATERPILLAR Type C 3512 A 969 bkW @ 1200 rpm
Gearbox	2x	ZF/Reintjes/Twin Disc Rated at 969 bkW @ 1200 rpm
Props	2x	Fixed Pitch Props 2000 m dia in nozzles
Diesel Generator Sets	2x	European CATERPILLAR Type C 4.4/C 6.6/C9 143 kWe @ 50 Hz
Emergency Generator	1x	European CATERPILLAR 50 kWe @ 50 Hz
Rudder		High lift rudders
Side thruster		Veth Jet K-1000
Side thruster (engine)		CATERPILLAR Type C7 (approx. 276 kW)
Speed		9.5 knots (at fully loaded draft)

DECK MACHINERY

Anchor	2x	HHP @ 1700 kg each
Windlass/Mooring Unit	2x	Electrohydraulic units
Deck Crane	2x	Stores Cranes 500 kg @ 5 m

CARGO EQUIPMENT

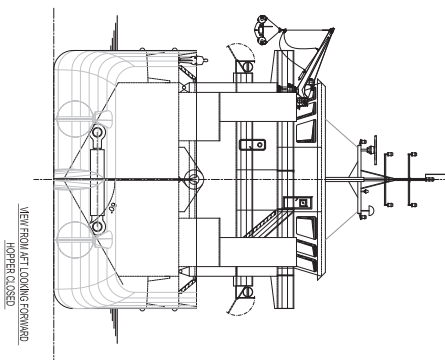
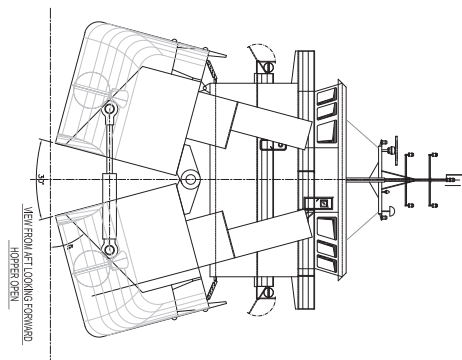
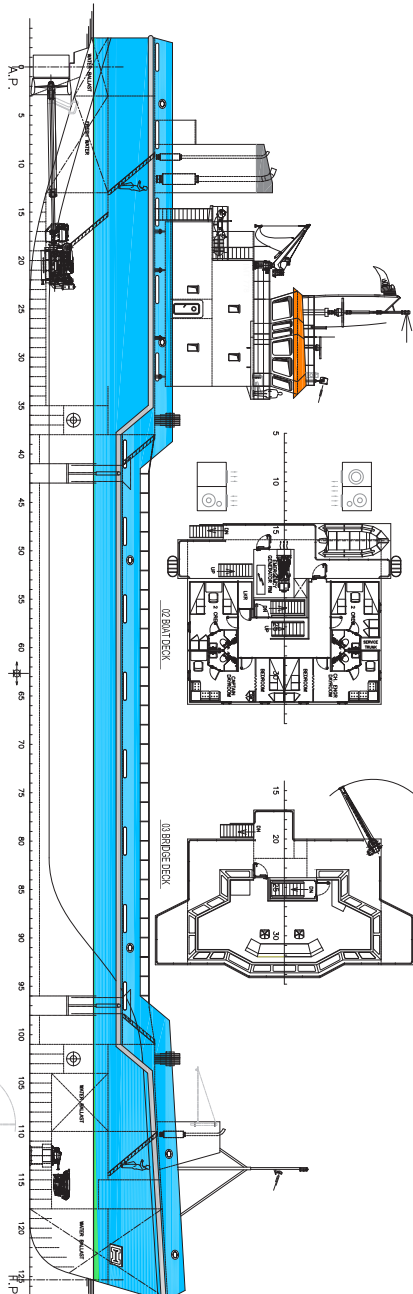
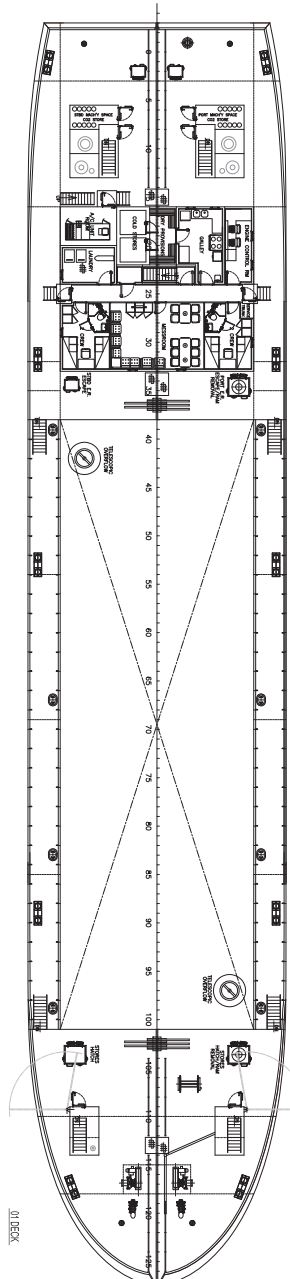
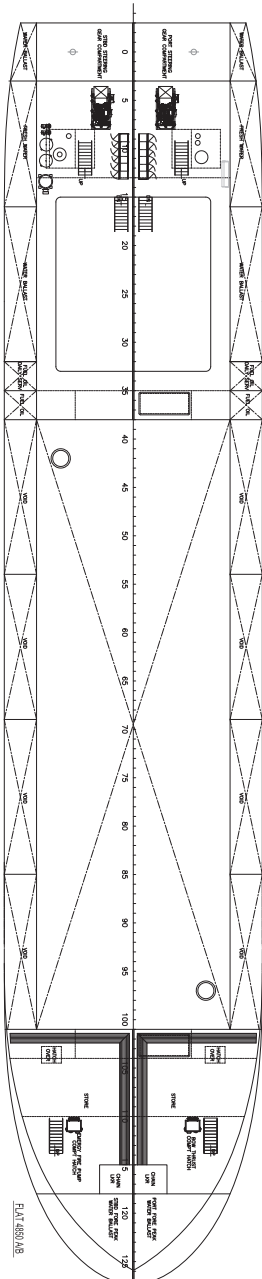
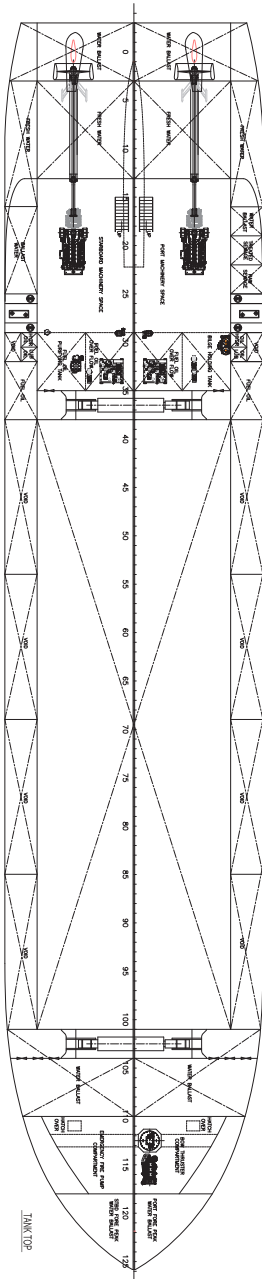
Hopper Overflow	2x	Vertically adjustable cylindrical overflow ducts. Working Stroke of 3.0 m
Split cylinders		Hydraulic lock for closed position
Hydraulic System		Operation at 250 BAR and ensures hull open to closed in 1.5 minutes. Power pack & standby power pack at 50 kWe each. Adjustable pressure relief system to avoid damage to hopper if closing on large foreign object.

OSD IMT

SHIP DESIGN & MARINE CONSULTANCY

OSD-IMT.com

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