TMS Bittern

22.6m Crew Transfer Vessel

General characteristics

Structure	Aluminium	**Length O.A.**	22.6 m
S/structure mounting	Welded	**Beam O.A.**	6.40 m
Classification	BV 1 - Hull - MACH Wind Farm	**Depth**	2.40 m
	Service Sea Area 3	**Draught (approx.)**	1.55 m (including skeg)
Flag	UK, MCA Workboat Code,	**Displacement (lightship)**	50 tonnes
	Category 1 MGN280(M)		

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22.6m WFSV Crew Transfer Vessel

OUTBOARD PROFILE

PLAN ON MAIN DECK

PLAN ON BRIDGE DECK
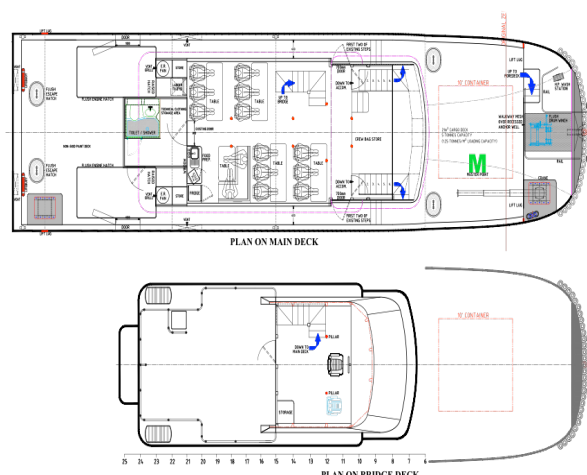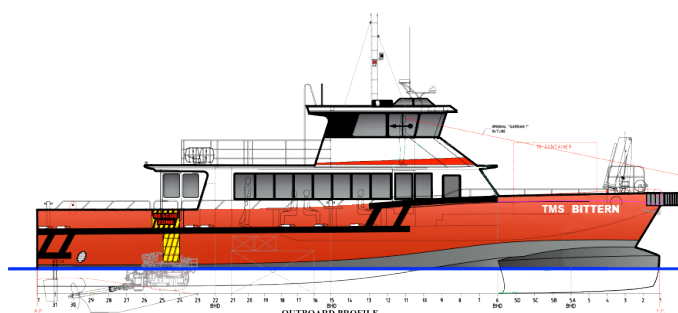
Capacities

Fuel oil	8,500 L
Fresh water	1,000 L
Black water	500 L
Free workdeck area	60 m^2
Max deck load	1.5 t/m^2
Deck cargo	10 tonne
Crew	<3 persons
Industrial personnel	<12 persons

Performance

Speed (max)	27.0 knots (500 litres/hr)
Speed (high)	23.0 knots (400 litres/hr)
Speed (low)	20.0 knots (300 litres/hr)

Propulsion system

Main engines	2 x Caterpillar C32 'C Rating'
Total power	2 x 970 kW (2 x 1319 hp)
Gearboxes	2 x Twin Disc MGX6620A
Propulsion	Fixed Pitch Propulsion

Electrical equipment

Network	24V DC, 230V 50 Hz AC
Generator set	1 x 17.5 kW, 1 x 6.5kW

Deck layout

Anchor equipment	1 x Anchor with chain and line, winch
Bow fendering	6'' Rubber 'D' Fender
Deck crane	Bonfiglioni P5000L
Mob recovery system	Ship mounted davit and fibrelight cradle

Life saving equipment

Life buoys	3
Life jackets	17
Life rafts	2 x 16 persons
Fire fighting	Stat-X Fixed Fi-Fi system in engine rooms
	Portable hand operated Fi-Fi in other areas

Accommodation

Accomodation	12 x Seat Saloon, 2 x Crew Cabins, Galley/Mess, 1 x Heads, 2 x Seat Bridge
Noise levels	<70dBa

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