



Ava Sofie

Specification Sheet



19 x 7m Crew Transfer Vessel

Key Specifications:

Transit & Transfer capable in 1.5m Hs

Cruising speed of up to 27 knots

360 litres per hour at 20 knots

Suspension seats for 12 passengers

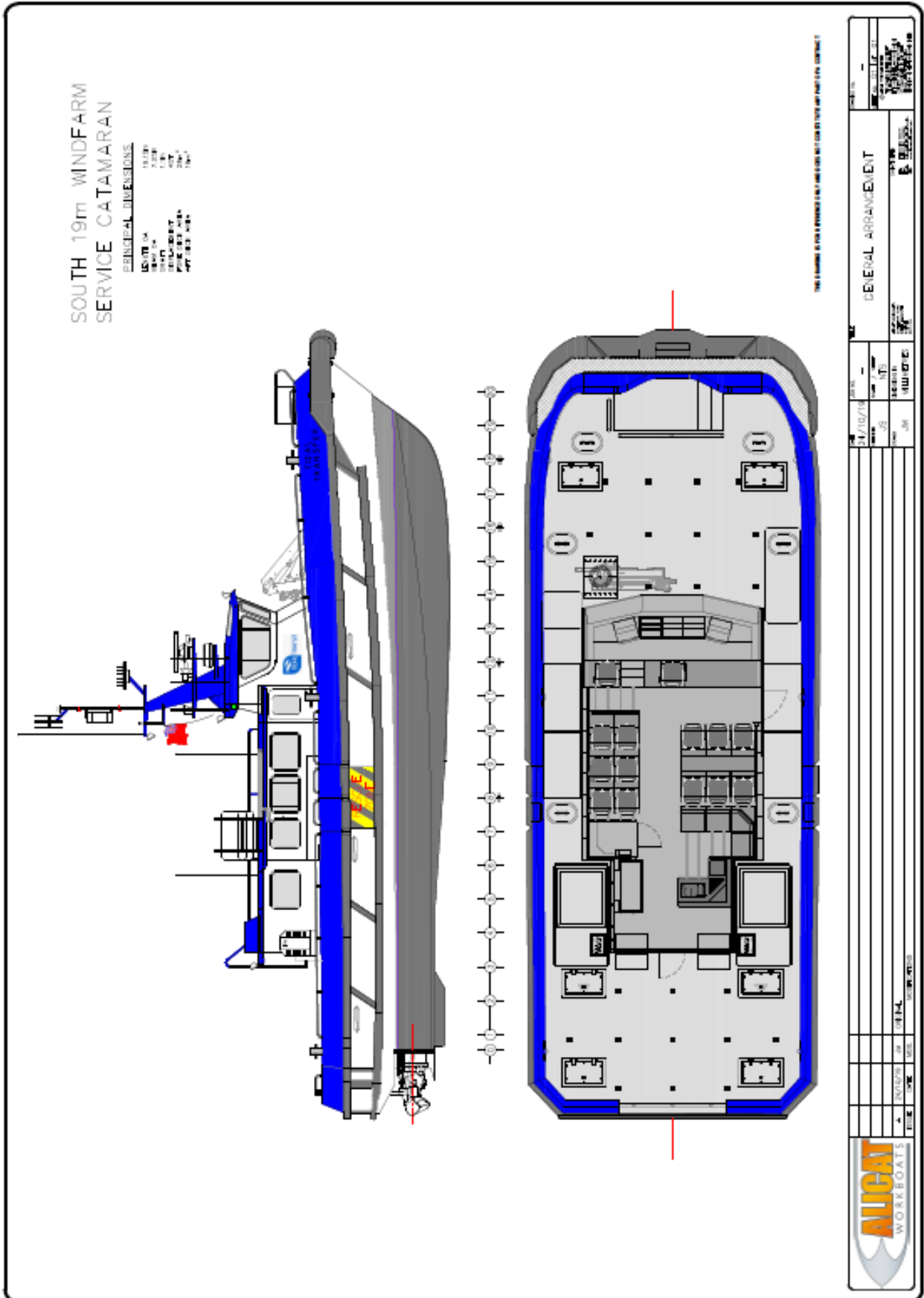
Equipped galley

12hr Crewing – Min 2 (Master, Mate/Deckhand)

24hr Crewing – Min 4 (2 x Master, 2 x Mate)

8 ton / 1.5t per m² cargo capacity

Ava Sofie – 19 x 7m Crew Transfer Vessel



Vessel Name		Ava Sofie	
Owner	Tidal Transit Ltd	Deck & Equipment	
Operator	Tidal Transit Ltd	Cargo Capacity (t)	8
Callsign	2GYH5	Cargo Capacity Fore (t)	6
MMSI Number	235101516	Cargo Capacity Aft (t)	2
Registration Number	919493	Specific Deck Load (t/m2)	1.5
Construction Country	UK	Crane Specification	Palfinger PK4501M
Shipyard	SouthBoats IOW	Crane Location	Port Foredeck
Main Particulars		Crane Radius (m)	5.3m
Flag	UK	Crane Reach Over Ship Side (m)	3.5m
Hull Type	CAT	Free Deck Space Aft (m2)	28
Hull Material	Aluminium	Free Deck Space Fwd (m2)	18
Classification	MCA Cat 2	Fuel Transfer Pump	yes
Number of Crew	Min 2 Max 3	Fuel Transfer Capacity (l/h)	40
Number of PAX	12	Fuel Transfer Height (m)	40
LOA (m)	19.15	HP Washer	yes
Beam (m)	7.25	HP Washer Hose Length (m)	TBC
Design Draft (m)	1.1	Oily Bilge Discharge Connection	No - Manual
Max. Draft (m)	1.4	Sewage Discharge Connection	Yes
Min. Water Depth for Operation (m)	1.5	Container Position	No
Bow Height (m)	2.5	Container Pos. 10'	No
Freeboard height at gangway (m)	0.95	Container Pos. 20'	No
Lightship Displacement (t)	42.07	Safety Equipment	
Max Deadweight Displacement (t)	15.1	Liferafts Position	Above side deck
Fresh Water Capacity (l)	350	Liferafts Persons accomodated	2x16
Fuel Capacity (l)	6000	Immersion suits no.	4+passengers own
Gross Tonnage	37.08	Thermal protective aids no.	15
Operational Particulars		Life jackets no.	15
Bollard Push (t)	6	Man Over Board Equipment	SB Rescue Sling
Service Speed (kn)	25	Search Lights no.	1
Service Speed at 1.5Hs (kn)	20	Search Lights remote	0
Max Speed (kn)	27	Search Lights portable	1
Max Speed at 1.5Hs (kn)	25	Defibrilator	1
Max. Significant Wave Height for Operation (m)	1.5+	Navigation & Comms	
Hs Performance 360 deg (m)	1.4	Crewfinder system corresponding to PLBs used on site	Sea Marshall
Machinery		GPS	Furuno
Engine type and manufacturer	MAN V12 d2862LE432 1800hp derated to 1200	Communication system between helmsman and deck crew	Yes
Number of engines	2	Radar Reflector	Yes
Total Installed Power (kW)	1800	AIS class A	Yes
Fuel Consumption at 20kn (l/h)	350	Rudder Angle Indicator	n/a
Fuel Consumption at max speed (l/h)	420	Radar with plotting function	Furuno
Fuel Consumption at service speed (l/h)	375	Echo sounding device	Furuno
Gearbox Manufacturer	ZF	Gyro or satellite compass	Yes
Propulsion Type	Waterjets	GMDSS radio equipment	Furuno
Propulsion Description	RR F600	Handheld VHF for deck personnel	Yes
Bow Thruster (nos.)	n/a	Emergency Position Indicating Radio Beacon (EPIRB)	Yes
Bow Thruster Power (kW/pcs.)	n/a	Search and Rescue Transponder (SART)	Yes
Accomodation		Firefighting Appliances	
Mess / Pantry	Yes	Approved FIFI Systems in ER	Yes
Toilet	1	Portable Extinguishers	Yes
Shower	0	Fire Pumps	Yes
Wet changing room	No Dedicated	Fire Hoses	Yes
HVAC	Yes	Additional Features	
Noise in Pass Area (dB)	<70	CCTV monitoring and recording of ops.	Yes
Noise in Wheelhouse (dB)	<65	Vessel Motion Monitoring System	Optional
Seating No.	12		
Seating Type	Suspension		



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