

# TUGBOATS

## 24 m 45 TBA ROBERT ALLAN DESIGN

### MAIN PARTICULARS

LENGTH OVERALL	24,39 m
BEAM	9,14 m
DEPTH	4,70 m
LOADED DRAFT (Moulded)	4,18 m

### CAPACITIES (98% aprox.)

FUEL OIL	155,0 m <sup>3</sup>
FRESH WATER	44,0 m <sup>3</sup>
FOAM & DISPERSANT	36,0 m <sup>3</sup>

### MACHINERY

	Manuf./Type
MAIN ENGINES	2x CAT 3512 C
POWER	2x 1230 Kw @ 1600rpm
AZIMUTHING STERN DRIVE	2x Schottel Srp 1012 fP
NOZZLE	Mild steel, stainless steel inner surface
PROPELLERS	2100 mm dia, CU3 material

### AUX. GENERATORS

**Main:** 2x CAT 86 eKw 107kVa 400V 50Hz 3ph.

### FI-FI E

	Manuf./Type Capacities:
PUMP	1 off fire fighting pump type SNT-250/550 1400 <sup>3</sup> /h at 125 mlc and 1800 RPM

### TOWING, HANDLING & ESCORT

	Manuf./Type	Capacities
Static Bollard Pull	45 T	
Maximum Bollard Pull	49,5 T	
FORE WINCH	Capacity 600m Ø40mm Brake 1st Layer	
TOWING HOOK	Mampaey Quick Release Disc Type Towing Hook, type DCX. 30/45	
FWD TOW DRUM WINCH	Capacity 200m Ø40mm	

### DOCUMENTATION

CLASS	Bureau Veritas I + HULL + MACHINERY Unrestricted Navigation + FI FI E
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FLAG	
PORT OF REGISTER	
RADIO CALL SIGN	TBA
IMO No.	TBA
DESIGN	Robert Allan Ltd.
Built Date	

### PERFORMANCE

FREE RUNNING SPEED AHEAD	12.0 (average) knots
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### TONNAGE (ITC)

GT	242,0 Mt
NT	145,2 Mt

### ACCOMMODATIONS

	Cabins:	Berths:
MASTER	1	1
CHIEF ENGINEER	1	1
CREW	2	4
Fully Airconditioned	total accomod: 6	

### ELECTRONICS & CONTROLS

	Manuf./Type
DEPT ECHO SOUNDER	JRC FF60
GPS / PLOTTER	JRC JLR-7500
RADARS x 2	JRC JMA 3334
RADIO SYSTEM	JRC GMDSS A2
AUTO PILOT & GYRO	NAVITRON NT 921 MKII
MAGNETIC COMPASS	CASSEN & PLATH TYPE 21
NAVTEX	JRC NCR 333
VHF-DSC	JRC
AIS, SART, EPIRB	JRC / JOTRON

### SPECIAL EQUIPMENT

	Manuf./Type
ANCHOR & CHAIN	2x 262,5kg HHP-chain Ø17,5mm Grade 2
RESCUE BOAT CRANE	Gurdesan GR RRS 21/4
RESCUE BOAT LIFERAFT	1x6 Pers. with outboard engine 2x20 Pers.

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