

RIVER BEE

Trailer Suction Split Hopper Dredge



VESSEL SPECIFICATION SHEET



OVERVIEW

Primary Specification	
Registry:	Australia
Class:	BV / DCV
Official Number/Unique Identifier:	IMO7349388 / OF859568 / UI6901
Classification:	1 + Hull + Mach
Length (Overall):	77.10m
Breadth (Moulded):	13.80m
Depth (Moulded):	5.6m
Design Draft (lightship):	2.6m
Gross Registered Tonnage:	1739T
Max Draught Dredging Load Line:	4.8m
Vessel Weight (lightship):	1544T
Accommodation:	12 (4x1, 4x2)

Machinery	
Propulsion:	2 x Fixed Pitch Propellers
Main Engines:	2 x CAT 3512 954kW DITA 4T
Total Propulsion Power:	3631KW
Gear Box:	Masson RSD 701
Generator:	1 x 30KVA, 1 x 45KVA, 1 x 106KVA
Bow Thruster:	1 x Cummins NTA 855

Operational Performance	
Bollard Pull:	N/A
Max Sailing Speed Unloaded:	10 Knots
Max Sailing Speed Loaded:	8 Knots
Consumption at Idle:	20L/Hr
Consumption Sailing:	420L/Hr
Consumption Dredging:	325L/Hr

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Revision 1.0



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Tank capacities	
Fuel:	164m ³
Fresh Water:	44.9m ³
Water Ballast:	N/A
Hydraulic Oil:	5.544m ³
Lube Oil:	2.4m ³
Waste Oil:	2.219m ³
Sullage:	0.7m ³
Fuel Transfer Pump:	2 x fitted

Dredging Data	
Carrying Capacity (D.W):	2270T
Hopper Capacity:	1830m ³
Max Dredging Depth:	23.5m
Discharge Systems:	Split Hopper, Shore Discharge & Rainbow
Suction Pipe Diameter:	0.55m
Pump Type & Power (Trailing):	UWP IHC 125 - 27.5 - 50 & 500KW
Pump Type & Power (Discharge):	IBP IHC 105 - 32.5 - 55 & 710KW
Dredging Control:	Teledyne PDS
Position and Height Control:	GPS RTK Positioning
Plough Arrangement:	N/A
Sweepbar Arrangement:	N/A
Plough Winch Configuration:	N/A

Navigational/Communications	
Radar System:	X-Band Radar JRC JMA5316 - 6, Alphascreen 19" Display
Depth Sounder:	Echosounder JRC JFE - 380
GMDSS:	Sailor SP3520
HF Radio:	MF-HF JRC JSS2150
VHF Radio:	VHF-1 JRC JSS2150 VHF-2 Sailor RT2048
Compass:	Alphaminicourse Gyro Compass / C&P Standard 1200mm Magnetic Compass
GPS:	DGPS JRC JLR 7800
Chart Plotter:	Alphatron
Auto Pilot:	Alphaseapilot MFC
AIS:	JRC JHS-182
MMSI:	503675000

Deck Machinery/Equipment	
Anchor Windlass:	9T Windlass
Deck Crane:	N/A
Tow Bridle Recovery Winch:	N/A
Capstan:	1 x 2T
HPU:	N/A
Office:	N/A
Crib:	N/A
Ablution:	N/A
Workshop:	N/A



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