MARSDEN BAY

Vessel Data Sheet

1. General Information

Vessel Name	MNZ Number	MSA Class	Official Number	Home Port
Marsden Bay	135 647	Passenger and Non Passenger	NA	Whangarei
BV Number	**IMO Number**			
27051F	NA			

Owner	Builder	Date of Build
North Tugz Ltd	Boustead, Langkawi, Malaysia	2015

Gross Tonnage	Net Tonnage	Length (tonnage)	Displacement Max
92	27	16.02 m	188 tonne
Overall Length	**Breadth**	**Depth Moulded (tonnage)**	**Operational Draft**
17.00 m	8.00 m	3.60 m	3.40 m

Nº./Type of Engines	Total Engine Power	Propulsion
2 x Caterpillar C32 ACERT 12 cyl TA ("A" rated) 746 kW @ 1,800 rpm each	1,492 kW	2 x Twin Disc MGX 5321 DC Gearboxes 2 x Kort 4 Blade 2.00 m dia Skewed Kaplan Propellers in Kort XL nozzles.

External Fire Fighting Capability	Bowthruster	Nº./Output of Generator
Nil	1 x Kort KT 120. 4 Blade 505 mm dia Bowthruster delivering 800 kg Thrust	1 x Caterpillar C2.2 27 kW

Free Running Fuel Con	Total Crew	Nº. Berths	Nº. of Passengers
215 L/h @ 10.5 kt @ 1800 rpm 106 L/h @ 8.8 kt @ 1400 rpm	2	2	7
Radios	**Call Sign**	**MMSI Number**	**Nº. Liferafts**
2 x VHF	ZMU2829	512 004 671	1 x 6 man

Nº./Capacity of Fresh Water	Nº./Capacity of Fuel Tanks
1 x Fwd DB of 3,372 L **Total of** 3,372 Litres	Fwd Wing P&S 4.968 L each Aft Wing P&S 3,636 L each **Total of** 17,208 Litres

Nº./Capacity of Other Tanks
Greywater - 1 x DB of 702 L
Dirty Lube Oil - 1 x DB of 687 L
Forepeak water ballast – 1 x 6,859 L
Oil Fuel Overflow - 1 x DB of 1,389 L

Deckcrane
1 x Guerra M230.20A2 Foldable Knuckleboom crane. 2.65 t @ 7.9 m

2. Operating Criteria & Parameters

Vessel Type & Use	Twin Propeller, Ship Assist / Workboat
Operating Limits	Northland, Auckland, Barrier, Bay of Plenty Inshore Waters and all Enclosed Waters within those limits.
Normal Operating Area	Whangarei Harbour
Max LSA provided for	9 Persons
Fwd winch pull	Normal Duty 31.5 tonne on 1st layer at 7.6 m/min 20.3 tonne on 5th layer at 11.8 m/min Light Duty 9 tonne on 1st layer at 27.5 m/min 5.8 tonnes on 5th layer at 42.5 m/min
Length and Minimum strength fwd tow line	Main line – 150 m of 52 mm dia Amsteel Blue Pennant - 21m of 48 mm dia Amsteel Blue
Maximum Bollard Pull	29 tonne ahead. 23 tonne astern.
Maximum speed	10.5 knots Ahead 9.5 knots Astern
Maximum Deck Load	2 tonne/m^2 with a maximum of 12 tonne

3. Minimum Crew Qualifications

Master	SRL <24m
Deckhand	No certificate or qualification required