



**150 FOOT CLASS - MULTI PURPOSE VESSEL
M/V RANA MILLER**

DIMENSIONS

LENGTH 150 ft	46 m
BEAM 36 ft	11 m
DEPTH 11.5 ft	3.35
LIGHT DRAFT 5 ft	1.524 m
LOADED DRAFT 10 ft	3.048m

ACCOMODATIONS

CABINS/BERTHS	18 BERTHS
2 PERSON BERTHS	2
4 PERSON BERTHS	2
6 PERSON BERTHS	1
CERTIFIED TO CARRY	18

CAPACITIES

FUEL CAPACITY 31,478 USG	119.15 m ³
FRESH POTABLE WATER 62,878 USG	238.01 m ³
*ADDITIONAL STORAGE 50,400 USG	190.78 m ³
POTABLE WATER 15,288 USG	57.87 m ³
LUBE OIL 1167 USG	4.41 m ³
DIRTY OIL 930 USG	3.52 m ³
HYDRAULIC OIL 590 USG	2.33 m ³

DISCHARGE RATES

FUEL PUMP RATE 400 GPM	90.6 m ³ /hr
FRESH POTABLE WATER 400 GPM	90.6 m ³ /hr

PERFORMANCE

MAXIMUM SPEED	12 KNOTS
CRUISING SPEED	10 KNOTS
MAXIMUM HP	17 BHP

CARGO DECK

TONNAGE 430 US TON	390 LT
STRENGTH 325 lb/sq ft	1586 kg/m ²
LENGTH 92 ft	28.04 m
WIDTH 30 ft	9.14 m
CLEAR SPACE 2760 sq ft	256.41 sq m

01 DECK

LENGTH 15 ft	4.57 m
WIDTH 24 ft	7.31 m
DISTANCE ABOVE DECK 9 ft	2.74 m

MACHINERY

MAIN ENGINES (2) CUMMINS KTA - 38 - 850HP
TOTAL HORSEPOWER 1700 BHP
PROPULSION SCHOTTEL
GENERATORS (2) CUMMINS - 99KW
BOW THRUSTER SCHOTTEL CUMMINS NT- 855-M 300hp
RUDDER SPADE

ELECTRONICS AND CONTROLS

GYRO COMPASS	NO
DYNAMIC POSITIONING	NO
DP REFERENCES	NO
GPS FURUNO(1), NORTH STAR (1)	
DGPS (1) FURUNO GP-39	
WIND TRACKER (1) DAMSI	
MAIN ENGINE CONTROLS	
RADAR (2) FRUNO, (1) NAFNET	
SSB RADIO (1) SAILOR 6301, 6311	
VHF (1) SAILOR	
LOAD HAILER STANDARD HORIZONE VLH 3000	
FATHOMETER FURNO (1)	
INTERFACED CHARTPLOTTER FURNO (1)	
AIS FURNO,PA(FA-170)	

MAIN WINCH

LINE PULL 30 TON	
DRUM CAP. 1in - 25.4 mm WIRE 5671 ft	1728 m
DRUM CAP. 1-1/2 in - 38.1 mm WIRE 2594 ft	790 m
DRUM CAP. 2 in - 50.8 mm WIRE 1378 ft	420 m

TUGGER

LINE PULL 7 TONS	
DRUM CAP 1/2 in - 12.7 mm WIRE 737 ft	224 m
DRUM CAP. 5/8 in - 15.9 mm WIRE 467 ft	142 m
DRUM CAP. 3/4 in - 19 mm WIRE 227 ft	84 m

SPECIAL EQUIPMENT

ANCHOR CHAIN 1" WIRE ROPE 600FT
ANCHOR 750 LBS
LIFE RAFTS 4
WALK-IN COOLER 1
CHEST FREEZER 2
A/C & HEATER YES
FIRE MONITOR YES

STERN ROLLER

LENGTH 16 ft	4.87 m
DIAMETER 40 in	1.016 m

GENERAL

OWNER MILLER'S TUG & BARGE, INC.
BUILDER BOLLINGER SHIPYARD
YEAR BUILT 1997
OFFICIAL NUMBER 1052663
FLAG USA
USCG SUB I & L
ABS LOADLINE
GROSS TONNAGE 90 LT
NET TONNAGE 50 LT

OPTIONAL EQUIPMENT

15 TON A-FRAME	SEE PAGE 84
14 TON CRANE	SEE PAGE 78
9 TON PEDDESTAL CRANE	SEE PAGE 79
PAM FOUNDATION GRID	YES