



**190 FOOT CLASS - DP1 - MULTI PURPOSE VESSEL
M/V JOSEPHINE K MILLER**

DIMENSIONS

LENGTH 190 ft	57.91 m
BEAM 36 ft	10.97 m
DEPTH 12 ft	3.66 m
LIGHT DRAFT 6.5 ft	1.98 m
LOADED DRAFT 10 ft	3.04 m

ACCOMODATIONS

CABINS/BERTHS 5
2 PERSON CABINS 2
4 PERSON BERTHS 1
6 PERSON BERTHS 2
CERTIFIED TO CARRY 20

CAPACITIES

FUEL CAPACITY 63,236 USG	239.37 m ³
FRESH POTABLE WATER 25,824 USG	97.75 m ³
*ADDITIONAL STORAGE 117,600 USG	445.16 m ³
POTABLE WATER 30,000 USG	113.56 m ³
LUBE OIL 660 USG	2.49 m ³
DIRTY OIL 1165 USG	4.41 m ³
HYDRAULIC OIL 616 USG	2.33 m ³

DISCHARGE RATES

FUEL PUMP RATE 300GPM	68.2 m ³ /hr
FRESH POTABLE WATER 400GPM	90.8 m ³ /hr

PERFORMANCE

MAXIMUM SPEED 12 KNOTS
CRUISING SPEED 10 KNOTS
MAXIMUM HP 2240 BHP@ 1600 RPM

CARGO DECK

TONNAGE 485US Ton	440 LT
STRENGTH 617 lb/sf	3012 kg/m ²
LENGTH 100 F	30.48 M
WIDTH 32 F	9.14 M
CLEAR SPACE 3200 SF	297.28 sq m

01 DECK

LENGTH 10 ft	3 m
WIDTH 30 ft	9.14 m
DISTANCE ABOVE DECK 10.5 ft	3.20 m

MACHINERY

MAIN ENGINES (2) CAT3508B
TOTAL HORSEPOWER 2240HP
PROPULSION DIESEL
GENERATORS (2) John Deere 6081 AFM 75/170KW
BOW THRUSTER (1) John Deere 6125 AFM 75/450HP
RUDDER SPADE - INDEPENDENT RUDDERS

ELECTRONICS AND CONTROLS

GYRO COMPASS (2) Sperry
DYNAMIC POSITIONING (1) Kongsberg
DP REFERENCES C Joy, C-POS
GPS (2) Furuno GP-32
DGPS (2) Trimble
WIND TRACKER (1) Kongsberg OMC 139
MAIN ENGINE CONTROLS (1) ZF
RADAR (2) Furuno FR-8122
SSB RADIO (1) Furuno FS-1503
VHF (3) Icom M-504
LOAD HAILER (2) Standard Horizon VLH-3000
FATHOMETER (1) Furuno FCV-620
INTERFACED CHARTPLOTTER (1) Furuno S-52
AIS (1) Furuno FA-150

MAIN WINCH

LINE PULL 30 TONS	
DRUM CAP. 1in - 25.4 mm WIRE 4714 ft	1436 m
DRUM CAP. 1-1/2 in - 38.1 mm WIRE 2066 ft	629 m
DRUM CAP. 2 in - 50.8 mm WIRE 1040 ft	317 m

TUGGER

LINE PULL x 2 6 TON	
DRUM CAP 1/2 in - 12.7 mm WIRE 814 ft	198 m
DRUM CAP. 5/8 in - 15.9 mm WIRE 472 ft	144 m
DRUM CAP. 3/4 in - 19 mm WIRE 322 ft	98 m

SPECIAL EQUIPMENT

ANCHOR CHAIN Size 1" GR 2 1170 ft
ANCHOR 2 - 2000 LB
LIFE RAFTS 2
WALK-IN COOLER YES
WALK-IN FREEZER YES
A/C & HEATER 7 Mini Splits
FIRE MONITOR 1

STERN ROLLER

LENGTH 16 ft	4.87 m
DIAMETER 36in	.914 m

GENERAL

OWNER MILLER'S TUG & BARGE, INC.
BUILDER MARINER SHIPBUILDING
YEAR BUILT 2009
OFFICIAL NUMBER 1221799
FLAG USA
USCG SUB I & L
ABS LOADLINE
GROSS TONNAGE 91 Ton
NET TONNAGE 62 Ton

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