



ARIES MARINE CORPORATION

RAM XVI and RAM XVII LIFTBOAT CLASS 175'

Dimensions

Length Overall	113'
Length (Barge Only)	98'
Beam Overall	70'
Beam (Barge Only)	40'
Depth (Barge Only)	9'
Design Draft	9'5"
Open Deck Area	4,500 sq. ft.

Crane (Nautilus) Hydraulic & Propulsion

Capacity	10 & 100 Ton
Boom Length (10 Ton)	Fixed 70'
Boom Length (100 Ton)	Fixed 100'
Main Engines	Two (2) 3412 Caterpillar
Rated Ship	Approx 1080
Reduction Gear	Twin Disc

Hull Characteristics & Legs

Gross Tonnage	168
Net Tonnage	134
Max Deck Cargo	500,000#
Number of Legs	3
Length	175'
Size	54" diameter
Wall Thickness	3/4" (braced inside)

Generators & Capacities

Engines	Two (2) Caterpillar
Generator	Two (2) 95kw
Fuel	Approx. 7,500 Gallons
Potable Water	Approx. 15,000 Gallon



Pads & Jacking System

Length	26'
Width	14'
Depth	26'
Configuration	Raked on Both Ends
Max. Working Water Depth	130'
Max Sea Conditions(Jacking)	5'

Estimated Speed

Eight (8) Knots

Electronics

VHF – SSB
Fathometer
Tilt Alarm
GPS
Loud Hailer
Radar
DSS TV

Available Berths (excluding crew) 23

DIMENSIONS

LENGTH OVERALL	113'
LENGTH BARGE ONLY	98'
BEAM OVERALL	70'
BEAM BARGE ONLY	40'
DEPTH BARGE ONLY	9'
OPEN DECK AREA W/ AUX.	5074 SQ/FT

HULL CHARACTERISTICS:

GROSS TONNAGE	UNDER 500
NET TONNAGE	139 TONS
MAX DECK CARGO	500,000 LBS.

LEGS:

NUMBER	3
LENGTH	175'
SIZE	34" DIA.
WALL THICKNESS	3/4"

PADS

LENGTH	26'
WIDTH	14'
DEPTH	24"
CONFIGURATION	RAKED

SPEED

EIGHT (8) KNOTS

JACKING:

MAXIMUM WORKING WATER DEPTH	130'
MAXIMUM SEA CONDITIONS (JACKING UP OR DOWN)	5'

CRANE: (RAM MACHINE) HYDRAULIC

CAPACITY	15 & 100 TON
BOOM LENGTH	15 TON = 70' BOOM 100 TON = 100' BOOM
CRANE ENGINE	CATERPILLAR - C18 COMPLETE REDUNDANT ENGINE /PUMP

PROPULSION:

MAIN ENGINES	TWO (2) 3412D CATERPILLAR
MAINS HP	APPROXIMATELY 1080 HP
REDUCTION GEAR	TWIN DISC.

GENERATORS:

ENGINES	TWO (2) ISUZU
GENERATOR	TWO (2) 99 KW

CAPACITIES:

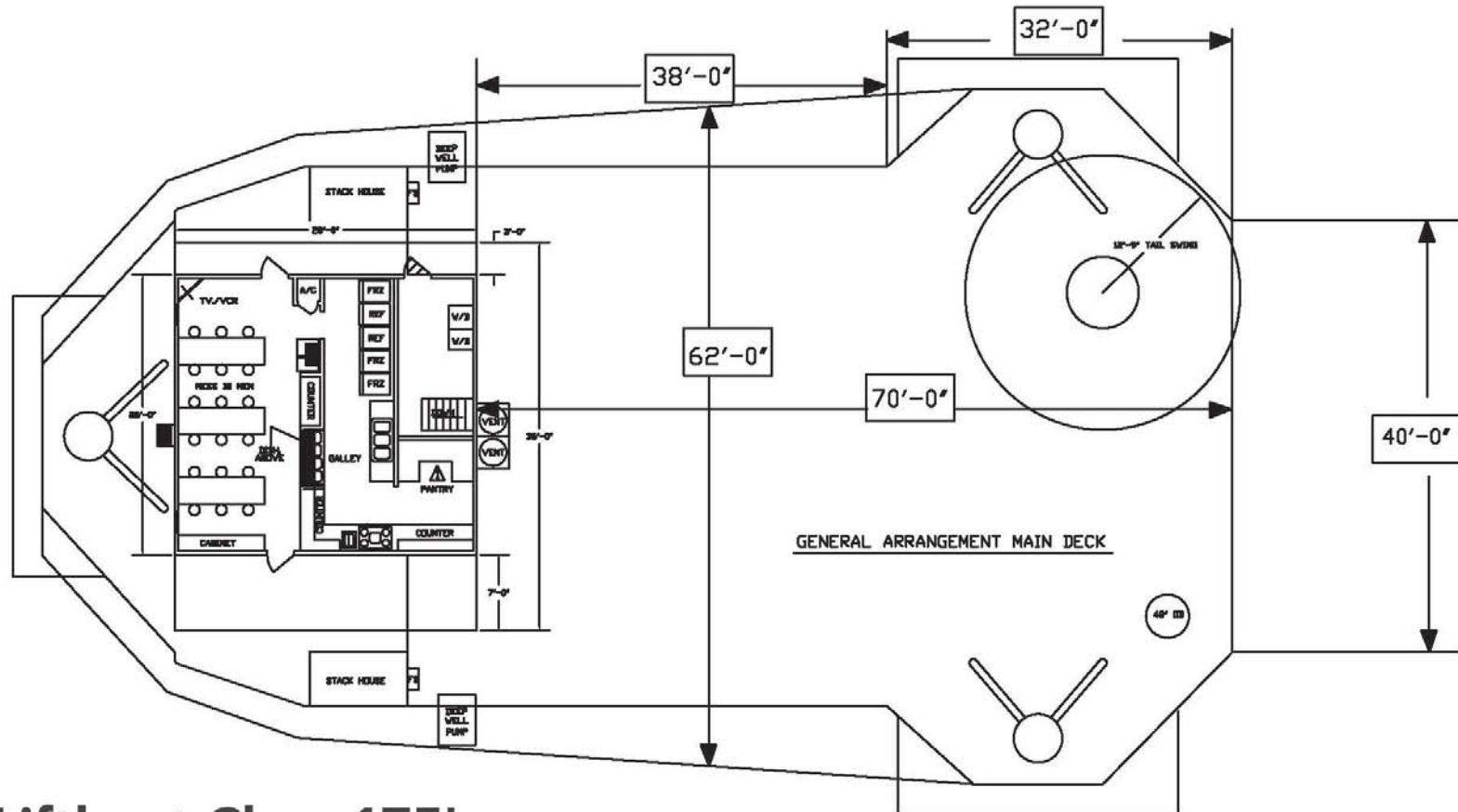
FUEL	APPROX. 8550 GALS.
POTABLE WATER	APPROX. 14,000 GALS.

LIVING QTS.

BERTHS	29 (INCLUDING BOAT CREW)
A/C & HEATERS	CENTRAL
LOUNGE	COLOR TV, SOFAS, LOUNGE SEATS
HEADS	6-(ALL LEVELS)
GALLEY	18 SEATS, REF. & FRZS
LAUNDRY	RANGE, ICE MAKER
	2- WASHER/DRYERS

ELECTRONICS

VHS, SSB, FATHOMETER, LAUD Hailer, TILT ALARM, GPS, RAIDER



Liftboat Class 175'
M/V Ram XVI and M/V Ram XVII

CLASS 175'
M/V RAM XVI, M/V RAM XVII

MAIN HOIST
LIFTING LOAD CAPACITY CHART
RAM 15TON 70 FT BOOM

MAIN HOIST
LIFTING LOAD CAPACITY CHART
RAM 100 TON 100 FT BOOM

70' BOOM CRANE				100' BOOM CRANE			
		MAIN HOIST				MAIN HOIST	
RADIUS (FT)	BOOM ANGLE (DEG)	STATIC RATING	DYNAMIC RATING	RADIUS (FT)	BOOM ANGLE (DEG)	STATIC RATING	DYNAMIC RATING
		(X 1000 LB)	(X 1000 LB)			(X 1000 LB)	(X 1000 LB)
82	10	30.000	20.000	23	81	200.000	133.333
78	15	30.000	20.000	25	80	200.000	133.333
73	20	29.670	19.780	30	77	200.000	133.333
69	25	23.130	15.420	35	74	175.210	116.807
64	30	18.770	12.513	40	71	151.970	101.313
60	35	15.660	10.440	45	68	133.000	89.267
55	40	13.320	8.880	50	65	119.440	79.627
50	45	11.500	7.667	55	62	107.600	71.733
44	50	10.040	6.693	60	58	97.740	65.160
38	55	8.850	5.900	65	55	89.400	59.600
30	60	7.850	5.233	70	51	82.240	54.827
20	65	7.010	4.673	75	47	76.050	50.700
1	69	5.692	3.794	80	43	70.610	47.073
				85	39	65.820	43.880
				90	34	61.600	41.040
				95	28	57.740	38.493
				100	21	54.300	36.200
				105	9	49.000	32.667
				106	0	45.000	30.000