



# ARIES MARINE CORPORATION

## RAM XV 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)

22

DIMENSIONS

LENGTH OVERALL 113'  
LENGTH BARGE ONLY 98'  
BEAM OVERALL 70'  
BEAM BARGE ONLY 40'  
DEPTH BARGE ONLY 5'  
OPEN DECK AREA V 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 54" 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 3'  
JACKING UP OR DOWN

CRANE: (RAM MACHINE) HYDRAULIC

CAPACITY 10 & 100 TON  
BOOM LENGTH 10 TON = 60' BOOM  
100 TON = 100' BOOM  
CRANE ENGINE CATERPILLAR

PROPULSION:

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

GENERATORS:

ENGINES TWO (2) CATERPILLAR  
GENERATOR TWO (2) 95 KW

CAPACITIES:

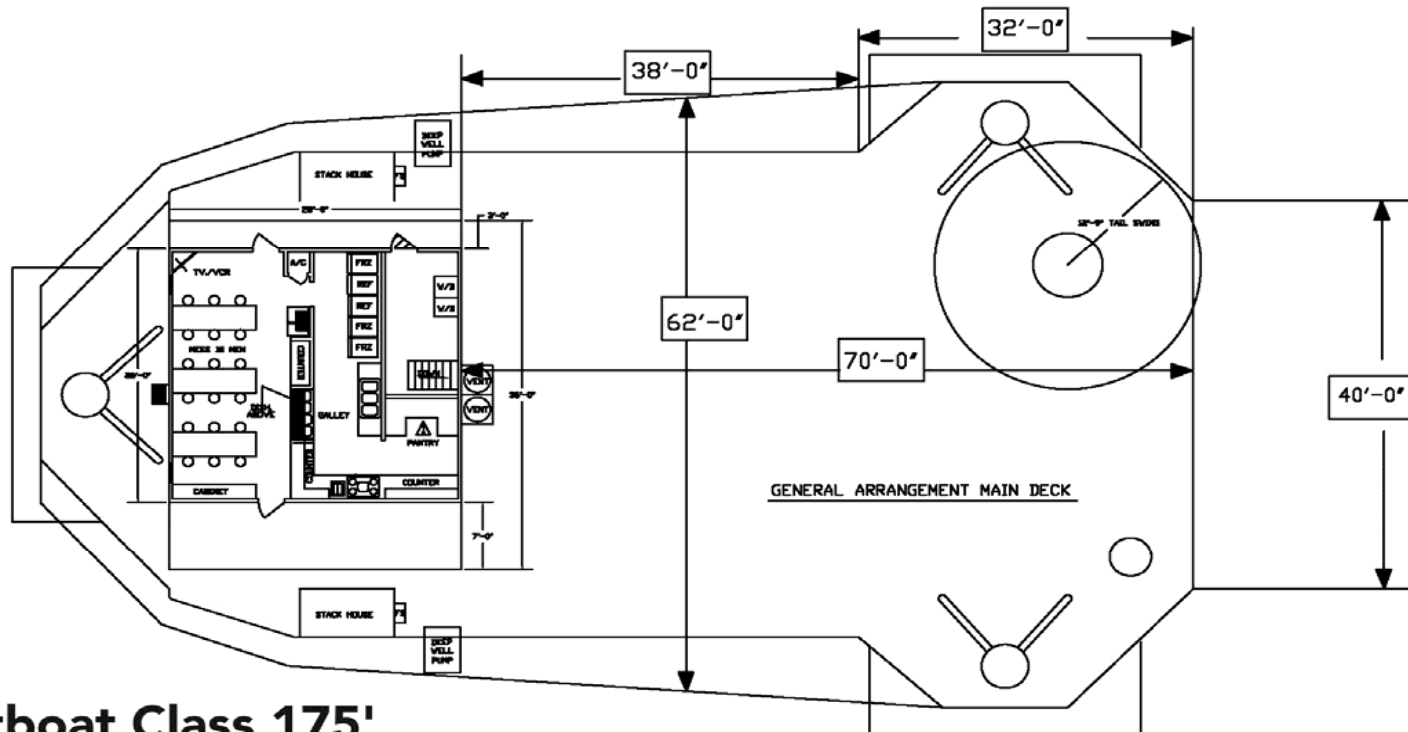
FUEL APPROX. 8550 GALS.  
POTABLE WATER APPROX. 14,000 GALS.

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 MAILER, TILT ALARM, GPS, RADER



**Liftboat Class 175'**

**M/V Ram XV**

# CLASS 175' M/V RAM XV

MAIN HOIST  
LIFTING LOAD CAPACITY CHART  
RAM 10 TON 60 FT BOOM

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

60' 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)
10	80	21.000	14.000	25	80	202.000	134.667
15	76	21.000	14.000	30	77	202.000	134.667
20	71	20.000	13.333	35	74	171.224	114.149
25	66	16.974	11.316	40	71	148.977	99.318
30	61	13.833	9.222	45	68	131.670	87.780
35	55	11.584	7.723	50	65	117.823	78.549
40	49	9.897	6.598	55	62	106.492	70.995
45	42	8.585	5.723	60	58	97.050	64.700
50	34	7.535	5.023	65	55	89.059	59.373
55	24	6.676	4.451	70	51	82.209	54.806
60	0	4.800	3.200	75	47	76.045	50.697
				80	43	69.657	46.438
				85	39	63.651	42.434
				90	34	57.871	38.581
				95	28	52.111	34.741
				100	21	45.982	30.655
				105	9	39.629	26.419
				106	0	36.033	24.022