

An aerial photograph of a large offshore barge, likely used for heavy lift services. The barge is painted blue and white, with a prominent red derrick structure extending upwards. A helicopter is parked on a white helipad deck. The barge is situated on a body of water, and a large yellow crane is visible in the upper left corner of the frame.

EPIC HEAVY LIFT SERVICES

ARAPAHO DERRICK BARGE VESSEL SPECIFICATIONS

Arapaho

VESSEL SPECIFICATIONS AND FEATURES



DIMENSIONS

Length (LOA)	350 feet (106.68 meters)
Width	100 feet (30.48 meters)
Depth	25 feet (7.62 meters)
Operating Draft	16 feet (4.88 meters)
Working Deck Area	16,000 square feet (1,486.45 square meters)
Classifications	USCG, ABS XA-1
Registry (Flag)	U.S.A.
Helideck	
Dimensions	50 x 60 feet (15.24 x 18.29 meters)
Load Capacity	19,800 pounds

ACCOMMODATIONS & STORAGE CAPACITY

Living Space	100-person quarters
Fuel Capacity	360,000 gallons
Fresh Water Capacity	1,000,000 gallons

MOORING EQUIPMENT

Anchors	(8)
Capacity	16,000 pounds
Type	Stockless
Winches	
Quantity	(4)
Type	Double Drum Skagit - DTW 150
Capacity	300,000 pounds
Wire	
Diameter	1.75 inch
Length	4,500 feet

AUXILIARY EQUIPMENT

Main Generator	(2) 750 kW, 480 volt, 3-phase, 60 HZ
Emergency Generator	(1) 250 kW, 480 volt, 3 phase, 60 HZ
Electric Compressors	(2) Electric Sulair 750 CFM

MAIN CRANE

Make	Manitowoc
Model	Seacrane 600
Type	Revolving
Boom Length	
Main	200 feet (61 meters)
Auxiliary	230 feet (70 meters)
Whip	245 feet (75 meters)
Capacity	
Main Fixed	800 short tons @ 95-foot radius (726 MT @ 29 meters radius)
Main Revolving	650 short tons @ 70-foot radius (590 MT @ 21 meters radius)
Auxiliary	200 short tons @ 180-foot radius (182 MT @ 55 meters radius)
Whip	50 short tons @ 220-foot radius (45 MT @ 67 meters radius)

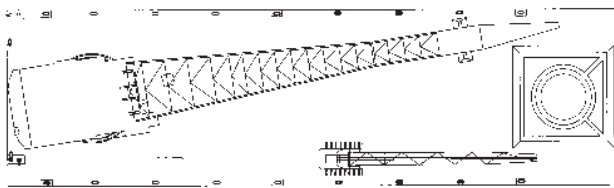
DECK EQUIPMENT

Deck Crane	
Make	Manitowoc
Model	3900W/S2
Type	Crawler
Boom	
Length	120 foot main
Capacity	60 short tons
Compressors	
Diesel	(1) 750 CFM
Jet Pumps	
Diesel	(1) 6x6

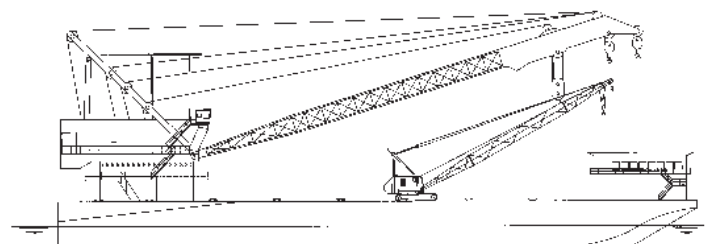
COMMUNICATIONS

Radios	
Fixed VHF	(2)
Portable VHF	(8)
Telephones	
V-Sat	(4) lines communication/Internet
Digital	(1) backup

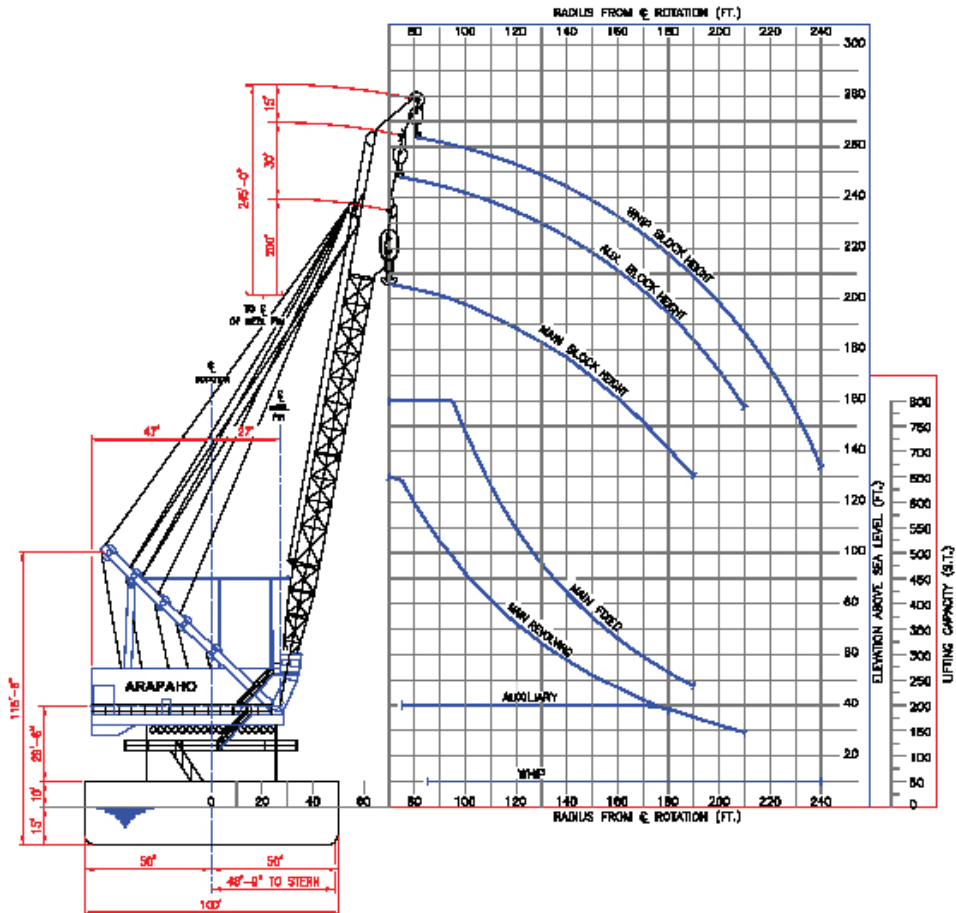
Derrick Barge Plan



Derrick Barge Profile



Hook Radius vs. Lifting Capacity and Hook Height



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