



Division of Erectoweld, Inc.

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AQUARAKE
AR-12 AQUATIC CRANE BOAT
Technical Specifications

DIMENSIONS & WEIGHT

Operating length (crane retracted) (A)	25'-6"	7,78 m
Operating length (crane extended)	38'-0"	11,58 m
Shipping length	30'-0"	9,2 m
Operating width (B)	13'-6"	4,11 m
Shipping width (E)	8'-0"	2,44 m
Operating height	5'-7"	1,7 m
Shipping height	6'-6"	2,0 m

Weight (basic unit with rake & without options) 10000 lbs 4550 kg

FLOTATION

Vessel Type	Uni-hull, with tubular internal frame & tilt-up stabilizer (sponsons)	
Length (D)	22'-0"	6,8 m
Width (main hull) (E)	8'-0"	2,44 m
Width (with stabilizers)	12'-6"	3,81 m
Compartments (main hull)	4 water-tight	
Draft	12"	30 cm
Bottom Protection	Impact plates	

POWER SYSTEM & CONTROL BRIDGE

Engine, diesel	4 cyl water-cooled diesel, 49hp/37kW @ 2800 rpm	
Hydraulic Pump	Variable volume pressure compensated	
Hydraulic Tank	42 US gals	159 liters
Fuel Tank	20 US gals	76 liters
Operator's Seat	Adjustable	
Hydraulic Control	Foot pedals & manual levers	
Control Panel	Full instrumentation	
Electrical System	12 volt, D.C.	

OPTIONAL EQUIPMENT

Spare Parts Package	Spud anchors
Sun/Rain Canopy	Work lights
Hydraulic winch	Tool kit

HYDRAULIC CRANE

Structure	Tubular structural elements	
Rotation	30 degrees left & right	
Maximum reach (K)	16'-0"	4,90 m
Maximum operating depth (H)	12'-0"	3,66 m
Maximum Lift:		
- adjacent to barge	1000 lbs	450 kg
- at full extension	500 lbs	225 kg

CRANE ATTACHMENTS (priced individually)

- brush & weed grapple
- clam shell
- rotator, continuous for grapple & clam shell
- rake (7'-0"/2,13 m wide)

PROPULSION

Type	Paddle wheels (2)	
Drives	Hydraulic – mechanical	
Diameter	5'-6"	1,7 m
Width	2'-6"	.75 m
Speed	0 – 50 rpm	

GENERAL

Fasteners	Stainless steel & high strength steel where required
Anti-Corrosion System	High impact, high visibility safety orange, thermally cured epoxy coating