



**Alpha Boat**  
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## Water Management Boat Model Aqua-Rake AR-101

**Imperial (US)**

**Metric**

### Dimensions

Shipping (L x W X H)	30' - 0" x 8' - 0" x 7' - 0"	9,15 x 2,44 x 2,13 M
Operating (L x W x H)	24' - 6" x 13' - 4" x 5' - 9"	7,47 x 4,06 x 1,75 M
Shipping Weight	8,000 lbs	3,629 kg
Hull (Length x Beam )	24' - 6" x 8' - 0"	7,47 x 2,44 M
Draft Empty (Unladen/Laden)	15"	38 CM
No. of Compartments	(3) in Main Hull, Plus (2) Pontoons	

### Crane Capacity

Reach from Center	16' 0"	4,88 M
Max Lift Height (Above Deck)	8' - 0"	2,44 M
Max Lift Capacity	1200 lbs	544 KG
Rake Width	8' - 0"	2,44 M

### Power Plant

Type	4 Cylinder, Diesel Engine, Liquid Cooled	
Power Output (Net, Cont )	42 HP @ 2800 RPM	31.3 KW @ 2800 RPM
Fuel Capacity	20 US Gallons	75 Liters

### Electric System

12 Volt DC Circuit, c/w Electric Engine Start & Monitoring Package

### Hydraulic System

Pumps	(1) Variable Displacement Axial Piston Unit	
Controls	Directly Actuated, Variable Volume Valve Bank with Load Sensing	
Hydraulic Tank Capacity	30 US Gallons	113 Liters
Filtration	10 Micron Filter	

### Propulsion

Type	(2) Bid-Directional Paddle Wheels	
Drive Unit	(2) Variable Speed, Independently Controlled Hydraulic Wheel Motors	
Paddle Wheel Size	30" Wide x 50 " Dia	76 CM Wide x 127 Cm Dia
Deployment	Hydraulic Power Tilt System for "Up "Transport PositionAnd "Down" Operating Position	

### Options

All dimensions & weights are net, not including options: Specifications subject to change without notice