H5-300 AQUATIC PLANT HARVESTER

Technical Specifications & Dealer Pricing

DIMENSIONS & WEIGHT

Operating:		
Length - Overall	33'- 1"	10,08 m
Width – Wheels at Side	11'- 7"	3,53 m
Width – Wheels at Stern	8'- 6"	2,59 m
Height – From Water	7'- 6"approx	2,13 m *
Shipping: Length	*34'-1"*	*10,38 m*
Width	*7'-6"*	*2,29 m*
Height (Intl)	*7'-9"*	*2.36 m*
(Fits into a 40 ft. container)		
Height Overall on dry land	8'- 9"	2,67 m
Weight Dry without options	6,800 lbs.	3091 kg

CARRYING CAPACITY

Maximum Volume	300 cu ft.	8,50 m3
Maximum Weight	3,000 lbs.	1360 kg
(@ 30% Freeboard)		

FLOTATION – (304 / 18-8 Stainless Steel Flat Bottom Hull 14 ga – 2 mm)

Height	(23"/17.5")	(58 cm/44 cm)
Length	19'- 0"	5,8 m
Width	7'- 6"	2,3 m
Two Bolt on SS Pontoons	Optional	
Compartments	Five Air & watertight	
Draft (average):		
- Light	10.5"	27 cm
- Loaded	15.5"	39 cm
Hull Bottom Protection (add 3 1/2"/9 cm to draft)	2 UHMW Skids	

POWER SYSTEM & CONTROL BRIDGE

Engine Type	Kubota D1305-4KEA - 2100 rpm	
Cooling	Liquid Cooled	
Power Output (total)	24.8 HP (18.24 kW) @ max rpm	
Hydraulic Pump	load sensing piston pump	
SS Hydraulic Oil Tank	22 US gal	85 liter
Diesel Fuel Tank	13 US gal	49 liter
System EPA approved		
Operator's Seat	Adjustable, White	
Control Panel	Engine monitoring system (Diesel)	
Hydraulic Control	PVG 32 valve bank	
Hydraulic Fittings	O Ring Face Seal & O Ring Boss (Leak Proof)	

HARVESTING HEAD

Cutting Width	5'-0"	1,5 m
Cutting Depth (max.)	5'-6"	1,7 m
Horiz. / Vert. Knives	3" (76 mm) w. reciprocating stroke	
Belt & Cutter Drives	Hydraulic motors, direct drive	
Impact Absorption	Swinging pivot suspension system	
Conveyor Belting	Standard duty galvanized steel mesh Variable Speed	

STORAGE & UNLOADING SYSTEM

Type	Dual conveyors with articulating off-loading section	
Conveyor Bed Width	3'-7"	1,1 m
Conveyor Overhang	6'-0"	1,8 m
Unloading Height (above deck)	4'-0"	1,2 m
Unloading Time (avg.)	60 seconds (load dependent)	
Conveyor Belting Type	Standard duty galvanized steel mesh	
Conveyor Belt Drive	Hydraulic motor, direct drive	
Conveyor Belt Frames	Stainless Steel	
Tailgate	Stainless Steel	
LED Work Lights – 1 Forward	One to Stern, 2 Strips under Bridge	

PROPULSION

Type	Stainless Steel Twin Paddle Wheels	
Machine Controls	Proportional Electronic Controls	
Diameter x Width	4'-2" x 1'-9"	1,27 x 0.53 m
Paddle Wheel Drives	Hydraulic motors	
Paddle Wheel Speed	Variable	
Paddle Wheel Deployment	Side propulsion or swing-a-round Stern propulsion	

GENERAL

Fasteners	Stainless Steel & high strength alloy steel, as required
Safety Railing	On Control Bridge
Conveyor Belting Supports	UHMW PE wear strips on running Surfaces
Anti-Corrosion System	Unpainted Stainless steel hull throughout, high visibility safety orange industrial epoxy/polyester powder coating on carbon steel super structure
Electrical System	12 Volt DC (Battery not included) Fire Extinguisher Bracket 2 – 12V Power Outlets
Navigation Lights & Horn	Marine Standards

Dealer Pricing - H5-300 USD 104,980.00

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Available Options:

Water Wash Down Pump System: 2 inch poly hydraulically driven Banjo Pump 1" Akron brass nozzle & 50 feet hose 40 US gallons per minute max capacity	USD 5,800.00
Standard Duty Stainless Steel Belting Replaces Standard Duty Galvanized Belting	USD 2,930.00
Custom Colour: Standard Colour is RAL 2009 Safety Orange	USD 4,500.00
Lockable Storage Chest – Diamond Plate Aluminum – 10 cubic feet Stainless Steel Welded Support Structure Behind Control Bridge Included	USD 2,480.00
Powered Paddle Wheel Positioning Two Hydraulic Motors, Valve Section, Controls, Hose Kits, & Brackets	USD 3,980.00
Stainless Steel Extended Bolt on Cleats on Harvesting Head Conveyor – 15 pcs	USD 380.00
Spare Parts Package 10'(3m) of galvanized conveyor belting, or 6' (2m) of Stainless. 5 belt connecting rods 10 knife sections, 5 rock guards, 5 plastic & 5 steel hold down clips 2 high pressure hydraulic filter elements 2 low pressure hydraulic filter elements 2 engine oil filter elements & 2 air filters 2 fuel filter elements	USD 2,180.00
Two Bolt on Stainless Steel Stabilizing Pontoons Helps to Reduce Ocean Rolls	USD 4.980.00
Stainless Steel Hydraulic Hose Kit Stainless Steel Fittings on Hydraulic Hose Assemblies and Hydraulic Valve Fittings	USD 2,980.00
Trailer Tie Down Kit 4 Binders, & Grade 70 Chains 2 Binder Straps, Head & Rear Conveyor 1 Binder Strap – Control Seat	USD 980.00

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Available Options:

Central Lubrication System Multi-point greasing – 6 running bearings from Manifolds Supplied without grease	USD 980.00
Nets – Industrial Grade	
- Bottom Opening with Cow Bell release - each	USD 1,180.00
- Long Axis Opening with Rope Zipper - each	USD 1,181.00
Float Line for Nets – 13' (4m) Long Rope – 10 Floats, includes clasps - each	USD380.00
Net Frame Stainless Steel Frame to Support Net at Harvester Rear	USD 480.00
316 Stainless Steel Barge Skins – Replaces 304 Stainless Steel Barge Skins	USD3,980.00
Full Solid UHMW PE floor under top belting of front and rear conveyor Replaces Strips of UHMW PE (Helpful for collecting Duckweed and Trash)	USD 3,180.00
Full Solid UHMW PE floor under top belting of 84"/2.1m of Harvesting Head Replaces Strips of UHMW PE (Helpful for collecting Duckweed and Trash)	USD 780.00
Rear Conveyor Interlocks - Pair Allows Harvester to hook up to Shore Conveyor and or Trailer Conveyor	USD 380.00

Notes:

Please note that for sea container shipping our pricing does not include crane loading into container, but crane loading assistance is available upon customer request free of charge. Your shipping supplier will need to include the "blocking, bracing, and packaging" of your machine in the container and the materials required to do so.

Due to shipping regulations all equipment is sold and shipped without any fluids or batteries.

Customer to provide and use shipping tie downs whenever moving Harvesters on a trailer. Do not use winch to secure load.

Harvester Head and Rear Conveyor are cantilevered loads that must be secured down to a hard stop and not permitted to move during shipping.