

ULTRATREX AQUATIC WEED HARVESTER WH80 / WH120 / WH220

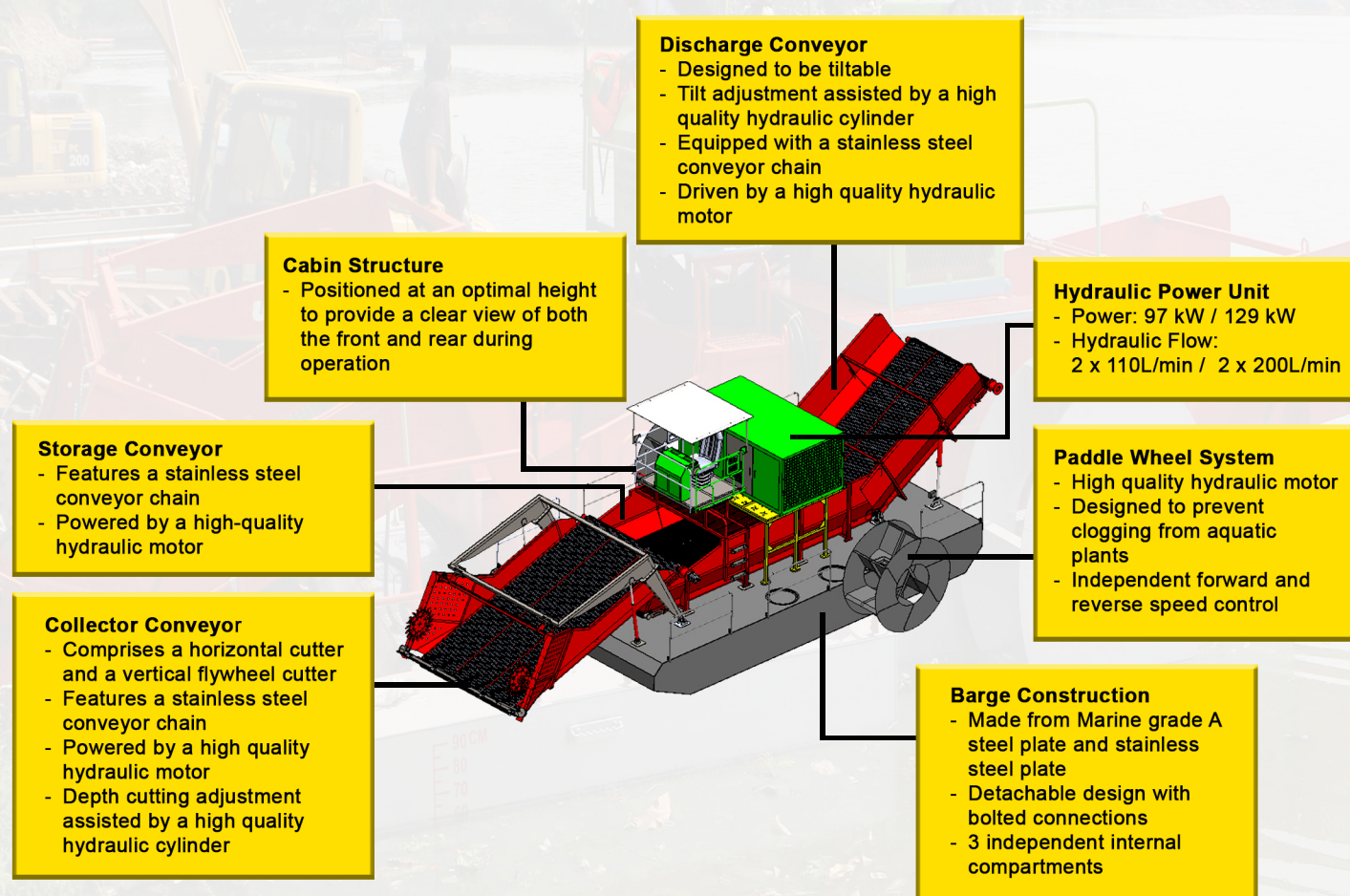


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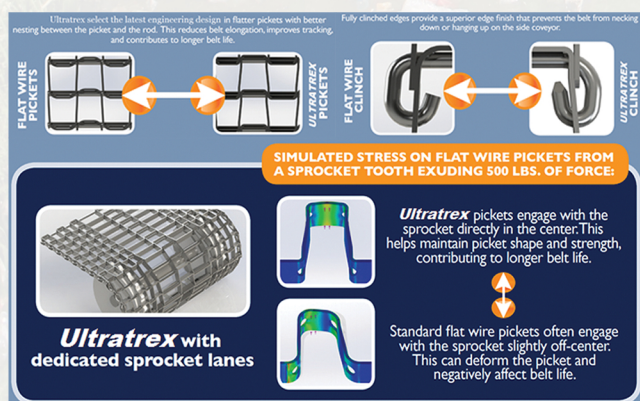
INTRODUCTION

Ultratrex Machinery Sdn. Bhd., under the UTX brand, is a leading producer of high-quality aquatic weed harvesters. We specialize in designing and manufacturing reliable and efficient harvesters tailored to the needs of aquatic vegetation management. With our expertise, we ensure that our products meet the highest standards of quality and performance. Our commitment to innovation and excellence guarantees that our clients receive durable, high-performing machines. We value our customers as our most valuable assets and always ensure that UTX weed harvesters comply with strict quality standards to meet their specific requirements.

FEATURES



HIGH QUALITY CONVEYOR CHAIN



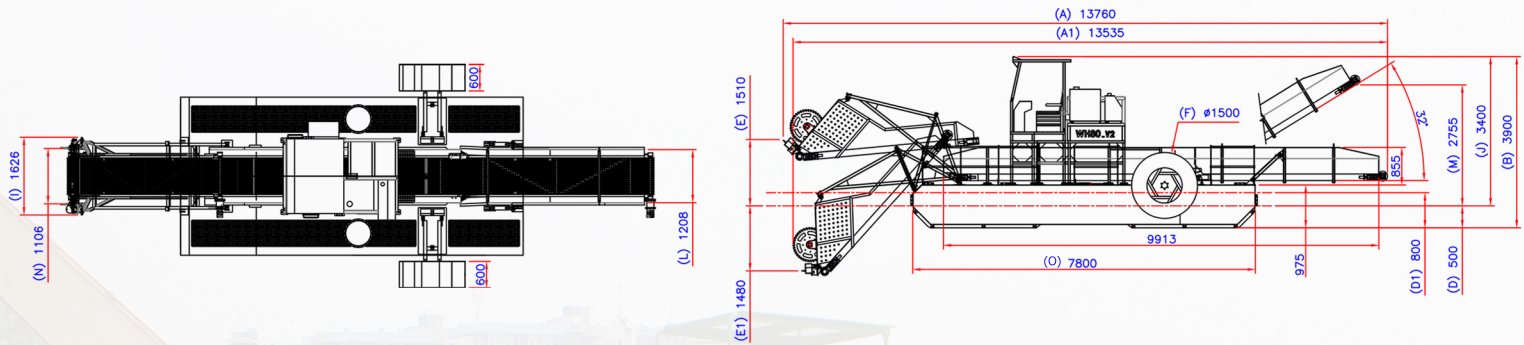
APPLICATIONS

The Ultratrex Aquatic Weed Harvester is a type of hydraulic system designed for harvesting aquatic weeds. It is also used for jobs involving floating debris removal, floating hyacinth cleanup, and collecting waste such as plastic. These machines are essential tools for maintaining the ecological balance of lakes, rivers, ponds, and reservoirs.

ULTRATREX AQUATIC WEED HARVESTER WH80/WH120/WH220



WH80 TECHNICAL SPECIFICATIONS



GENERAL SPECIFICATIONS	
Total Weight	11000 kg
Floating Capacity	24 m3
Floating Capacity/Total Weight	2.18 m3/ton
Storage Capacity (Aquatic Plant)	8 m3
Travel Speed On Water (Using Paddle Wheel)	5 km/h
Operating Dimension	13535 mm x 5070 mm x 3900 mm
Average Processing Capacity	2500 m2/h
Harvesting Depth	1510 mm (From Water Level)

FABRICATIONS	
Hull Size	7800 mm x 3600 mm x 975 m
Material	Marine Steel Plate Grade A / Stainless Steel Plate For Bottom, Side And Top Plate Marine Steel Plate Grade A / Stainless Steel Plate For Deck Plate

HYDRAULIC POWER UNIT SPECIFICATIONS		
Power	97 kW	
Max Rotation Speed	1800 rpm	
Diesel Tank	170 L	
Number Of Cylinder	4 Vertical In-Line	
Bore & Stroke	105 mm x 127 mm	4.3 in x 5.0 in
Displacement	4.41 liters	269 in3
Cycle	4 Strokes	
Compression Ratio	18.2 : 1	
Total Lubricating Capacity	8.0 Liters	2.1 US gal
Total Coolant Capacity	13.0 Liters	3.4 US gal

HYDRAULICS	
Hydraulic Pressure	250 Bar
Hydraulic Flow	2 x 110 L/min

HARVESTING HEADS	
Harvesting Broadband	1106 mm
Collecting Conveyor Chain	Stainless Steel
Cutting Scissors Length	1106 mm
Flywheel Cutter Diameter	680 mm
Flywheel Rotation Speed	300 rpm

STORAGE CONVEYORS	
Dimension	9913 mm x 1208 mm x 855 mm
Lifting Cylinder	2 Pieces
Unloading Conveyor Belt	Stainless Steel

PROPULSION	
Propulsion Type	Dual Independently Reversible Paddle Wheels Hydraulic Drive
Paddle Wheels	Diameter 1500 mm, Width 600 mm
Paddle Wheels RPM	0 to 60 rpm

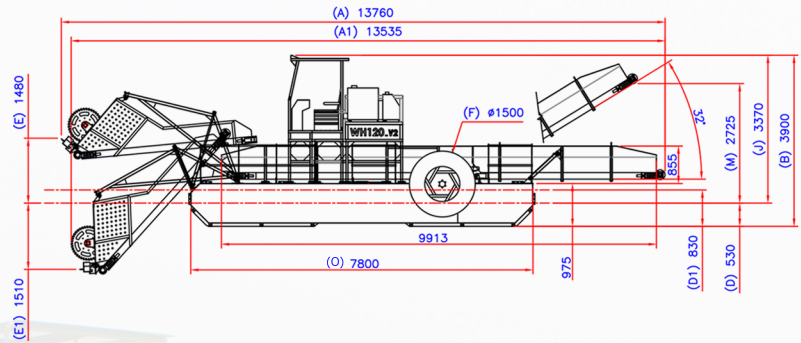
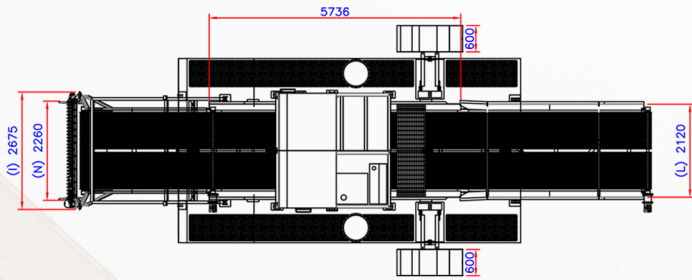
DIMENSIONS	
A. Maximum Length During Transportation	13760 mm
A1. Maximum Length During Operation	13535 mm
B. Maximum Machine High On The Land	3900 mm
C. Maximum Width During Operation	5070 mm
C1. Maximum Width For Paddle Wheel During Transportation	3675 mm
D. Water Draft	500 mm
D1. Water Draft In Fully Load	800 mm
E. Maximum Inclined High From Water Level	1510 mm
E1. Maximum Harvesting Depth From Water Level	1480 mm
F. Overall Diameter For Paddle Wheel	1500 mm
G. Ground Clearance For Paddle Wheel	215 mm
H. Width Float	3600 mm
I. Maximum Entrance Structure Width	1626 mm
J. Maximum Machine High From Water Level	3400 mm
K. Deck High	975 mm
L. Width Conveyor Storage	1208 mm
M. Maximum Inclined Discharge High From Water Level	2755 mm
N. Harvesting Broadband	1106 mm
O. Total Length Float	7800 mm

*All specification data may vary. Ultratrex reserves the right to change it without prior notice

ULTRATREX AQUATIC WEED HARVESTER WH80/WH120/WH220



WH120 TECHNICAL SPECIFICATIONS



GENERAL SPECIFICATIONS	
Total Weight	13000 kg
Floating Capacity	28 m3
Floating Capacity/Total Weight	2.15 m3/ton
Storage Capacity (Aquatic Plant)	12 m3
Travel Speed On Water (Using Paddle Wheel)	5 km/h
Operating Dimension	13535 mm x 5900 mm x 3900 mm
Average Processing Capacity	3500 m2/h
Harvesting Depth	1510 mm (From Water Level)

FABRICATIONS	
Hull Size	7800 mm x 4200 mm x 975 mm
Material	Marine Steel Plate Grade A / Stainless Steel Plate For Bottom, Side And Top Plate
	Marine Steel Plate Grade A / Stainless Steel Plate For Deck Plate

HYDRAULIC POWER UNIT SPECIFICATIONS		
Power	129 kW	
Maximum Engine RPM	2200 rpm	
Diesel Tank	170 L	
Number Of Cylinder	6 Vertical In-Line	
Bore & Stroke	102 mm x 127 mm	4.02 in x 4.72 in
Displacement	5.88 liters	358.82 in3
Cycle	4 Strokes	
Compression Ratio	16.8 : 1	
Total Lubricating Capacity	16.3 Liters	4.31 US gal
Total Coolant Capacity	10.4 Liters	2.75 US gal

HYDRAULICS	
Hydraulic Pressure	250 Bar
Hydraulic Flow	2 x 200 L/min

HARVESTING HEADS	
Harvesting Broadband	2260 mm
Collecting Conveyor Chain	Stainless Steel
Cutting Scissors Length	2260 mm
Flywheel Cutter Diameter	680 mm
Flywheel Rotation Speed	300 rpm

STORAGE CONVEYORS	
Dimension	9913 mm x 2120 mm x 855 mm
Lifting Cylinder	2 Pieces
Unloading Conveyor Belt	Stainless Steel

PROPULSIONS	
Propulsion Type	Dual Independently Reversible Paddle Wheels Hydraulic Drive
Paddle Wheels	Diameter 1500 mm, Width 600 mm
Paddle Wheels RPM	0 to 60 rpm

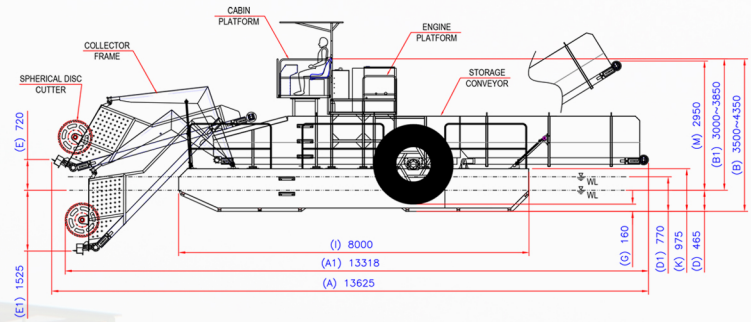
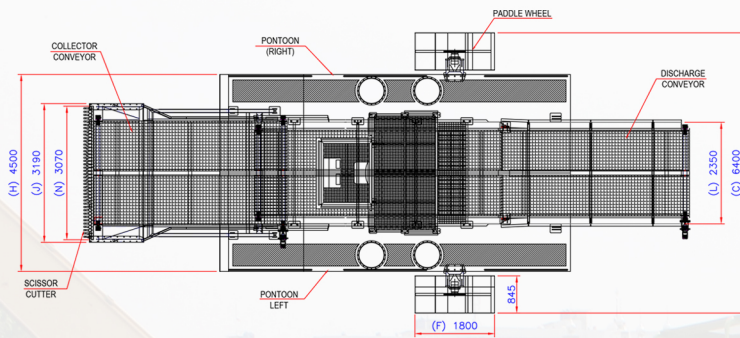
DIMENSIONS	
A. Maximum Length During Transportation	13760 mm
A1. Maximum Length During Operation	13535 mm
B. Maximum Machine High On The Land	3900 mm
C. Maximum Width During Operation	5900 mm
C1. Maximum Width For Paddle Wheel During Transportation	4175 mm
D. Water Draft	530 mm
D1. Water Draft In Fully Load	830 mm
E. Maximum Inclined High From Water Level	1480 mm
E1. Maximum Harvesting Depth From Water Level	1510 mm
F. Overall Diameter For Paddle Wheel	1500 mm
G. Ground Clearance For Paddle Wheel	215 mm
H. Width Float	4200 mm
I. Maximum Entrance Structure Width	2675 mm
J. Maximum Machine High From Water Level	3370 mm
K. Deck High	975 mm
L. Width Conveyor Storage	2120 mm
M. Maximum Inclined Discharge High From Water Level	2725 mm
N. Harvesting Broadband	2260 mm
O. Total Length Float	7800 mm

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ULTRATREX AQUATIC WEED HARVESTER WH80/WH120/WH220



WH220 TECHNICAL SPECIFICATIONS



GENERAL SPECIFICATIONS	
Total Weight	13000 kg
Floating Capacity	30 m3
Floating Capacity/Total Weight	2.30 m3/ton
Storage Capacity (Aquatic Plant)	22 m3
Travel Speed On Water (Using Paddle Wheel)	6 km/h
Operating Dimension	13318 mm x 6400 mm x 4350 mm
Average Processing Capacity	5500 m2/h
Harvesting Depth	1525 mm (From Water Level)

FABRICATIONS	
Hull Size	8000 mm x 4500 mm x 975 mm
Material	Marine Steel Plate Grade A / Stainless Steel Plate For Bottom, Side And Top Plate
	Marine Steel Plate Grade A / Stainless Steel Plate For Deck Plate

HYDRAULIC POWER UNIT SPECIFICATIONS		
Power	129 kW	
Maximum Engine RPM	2200 rpm	
Diesel Tank	170 L	
Number Of Cylinder	6 Vertical In-Line	
Bore & Stroke	102 mm x 127 mm	4.02 in x 4.72 in
Displacement	5.88 liters	358.82 in3
Cycle	4 Strokes	
Compression Ratio	16.8 : 1	
Total Lubricating Capacity	16.3 Liters	4.31 US gal
Total Coolant Capacity	10.4 Liters	2.75 US gal

HYDRAULICS	
Hydraulic Pressure	250 Bar
Hydraulic Flow	2 x 200 L/min

HARVESTING HEADS	
Harvesting Broadband	3070 mm
Collecting Conveyor Chain	Stainless Steel
Cutting Scissors Length	3070 mm
Flywheel Cutter Diameter	680 m
Flywheel Rotation Speed	300 rpm

STORAGE CONVEYORS	
Dimension	9930 mm x 2350 mm x 950 mm
Lifting Cylinder	2 Pieces
Unloading Conveyor Belt	Stainless Steel

PROPULSIONS	
Propulsion Type	Dual Independently Reversible Paddle Wheels Hydraulic Drive
Paddle Wheels	Diameter 1800 mm, Width 850 mm
Paddle Wheels RPM	0 to 60 rpm

DIMENSIONS	
A. Maximum Length During Transportation	13625 mm
A1. Maximum Length During Operation	13318 mm
B. Maximum Machine High On The Land	3500 mm - 4350 mm
B1. Maximum Machine High From Water Level	3000 mm - 3850 mm
C. Maximum Width During Operation	6400 mm
D. Water Draft	485 mm
D1. Water Draft In Fully Load	770 mm
E. Maximum Inclined High From Water Level	720 mm
E1. Maximum Harvesting Depth From Water Level	1525 mm
F. Overall Diameter For Paddle Wheel	1800 mm
G. Ground Clearance For Paddle Wheel	160 mm
H. Width Float	4500 mm
I. Total Length Float	8000 mm
J. Maximum Entrance Structure Width	3190 mm
K. Deck High	975 mm
L. Width Conveyor Storage	2350 mm
M. Maximum Inclined Discharge High From Water Level	2950 mm
N. Harvesting Broadband	3070 mm

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**UTX, YOUR TRUSTED PARTNER
IN DREDGING & ENVIRONMENTAL CONTROL SOLUTIONS**



CER NO : TUV 100-01-2043
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For more information on Ultratrex products, dredging,
and environmental control solutions, visit our website at
www.amphibousexcavator.com

Materials and specifications are subject to change without notice.
The brochure may feature additional equipment.
Contact your Ultratrex dealer for available options.



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