

ULTRATREX AQUATIC WEED HARVESTER WH80-2

*UTX, YOUR TRUSTED PARTNER IN
SHALLOW DREDGING EQUIPMENT*

www.amphibiousexcavator.com



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INTRODUCTION

Ultratrex Machinery Sdn. Bhd. under branding 'UTX' is a leading producer of high quality aquatic weed harvester. UTX has been perpetual in the aquatic weed harvester business due to the organisation's reliability and capacity to supply high quality and reasonably priced products. We can guarantee that high workmanship being maintained while producing the aquatic weed harvester. We always believe that our clients are our valuable asset so we always ensure that UTX complied with the company's quality system and customers' requirements.

APPLICATION

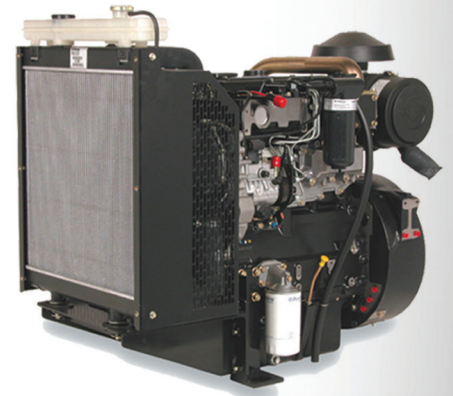
Ultratrex aquatic weed harvester is a type of hydraulic system weed harvester. These heavy duty machine is an environmental friendly machine that clearing excessive floating aquatic plants and cleans up floating solid wastes on dams, lakes and rivers.

Ultratrex aquatic weed harvester equipped with one horizontal cutter and two flywheel cutters to remove the aquatic plants and the collecting process occurs simultaneously while the machine moves forward. Once the storage becomes full, the aquatic weed harvester returns to the shore for unloading process.

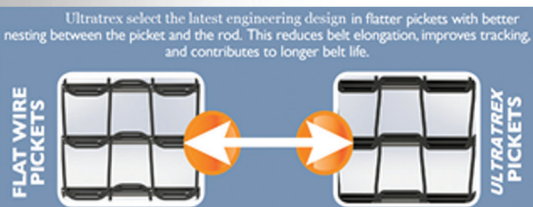
FEATURES

POWERED BY PERKINS TECHNOLOGY ENGINE UP TO 1800 RPM

Specification		
Number of cylinders	4 vertical in-line	
Bore and stroke	105 x 127 mm	4.1 x 5 in
Displacement	4.4 litres	268.5 in ³
Aspiration	Turbocharged	
Cycle	4 stroke	
Combustion system	Direct injection	
Compression ratio	17.25:1	
Rotation	Anti-clockwise, viewed from flywheel	
Total lubricating capacity	8.0 litres	2.1 US gal
Cooling system	Water-cooled	
Total coolant capacity	13.0 litres	3.4 US gal



HIGH QUALITY CONVEYOR CHAIN



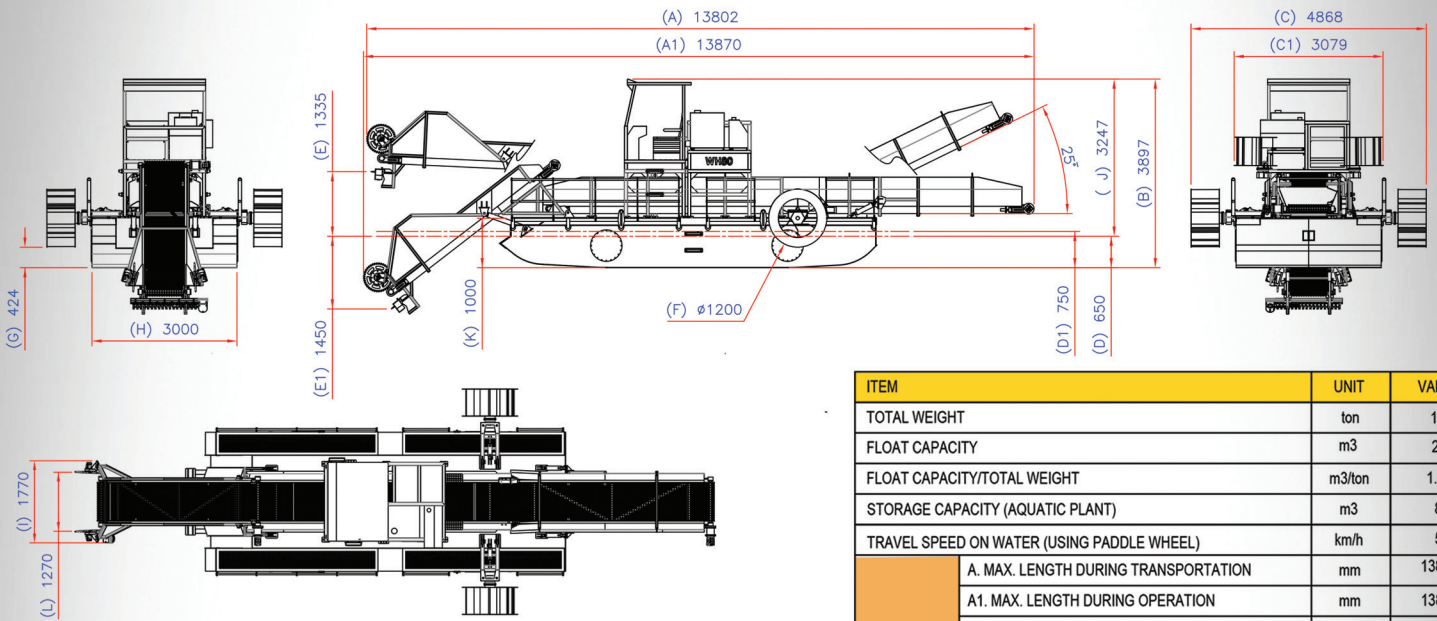
SIMULATED STRESS ON FLAT WIRE PICKETS FROM A SPROCKET TOOTH EXUDING 500 LBS. OF FORCE:

Ultratrex with dedicated sprocket lanes

Ultratrex pickets engage with the sprocket directly in the center. This helps maintain picket shape and strength, contributing to longer belt life.

Standard flat wire pickets often engage with the sprocket slightly off-center. This can deform the picket and negatively affect belt life.

TECHNICAL SPECIFICATION



ITEM	UNIT	VALUE	
TOTAL WEIGHT	ton	13	
FLOAT CAPACITY	m ³	20	
FLOAT CAPACITY/TOTAL WEIGHT	m ³ /ton	1.54	
STORAGE CAPACITY (AQUATIC PLANT)	m ³	8	
TRAVEL SPEED ON WATER (USING PADDLE WHEEL)	km/h	5	
DIMENSIONS	A. MAX. LENGTH DURING TRANSPORTATION	mm	13802
	A1. MAX. LENGTH DURING OPERATION	mm	13870
	B. MAX. MACHINE HIGH ON THE LAND	mm	3897
	C. MAX. WIDTH DURING OPERATION	mm	4868
	C1. MAX. WIDTH FOR PADDLE WHEEL DURING TRANSPORTATION	mm	3079
	D. WATER DRAFT	mm	650
	D1. WATER DRAFT IN FULLY LOAD	mm	750
	E. MAX. INCLINED HIGH FROM WATER LEVEL	mm	1335
	E1. MAX HARVESTING DEPTH FROM WATER LEVEL	mm	1450
	F. OVERALL DIAMETER FOR PADDLE WHEEL	mm	1200
	G. GROUND CLEARANCE FOR PADDLE WHEEL	mm	424
	H. WIDTH FLOAT	mm	3000
	I. MAX. ENTRANCE STRUCTURE WIDTH	mm	1770
J. MAX MACHINE HIGH FROM WATER LEVEL	mm	3247	
K. DECK HIGH	mm	1000	
L. HARVESTING BROADBAND	mm	1270	

MODEL	WH80-2
General	
Operating Dimension	13.9m x 4.9m x 3.9m
Average Processing Capacity	2,200m ² /h
Harvesting Depth	1.5m (from water level)
Fabrication	
Hull Size	7.8m x 3.0m x 1.0m
Materials	SMA490 Steel base & side plate thickness: 6mm
	SMA490 steel deck plate thickness: 6mm
Power Source	
Engine	Standard engine Diesel
Manufacturers	Perkins
Power	90.2 KW
Max. rotation speed	1800Rpm.
Starting and cooling method	Electrical, Water-Cooling
Diesel Tank	170 L
Hydraulics	
Hydraulic pump	Two axial piston pumps: 2 x 55 L/min
Hydraulic tank	335 L
Harvesting Head	
Dimension	4.6m x 1.6m x 2.0m
Collecting conveyor belt	Stainless steel
Cutting scissors Length	1.6m, 1 set
Flywheel cutter Diameter	600mm
Flywheel Rotation speed	300RPM
Operation Deck	
Dimension	1.3m x 1.7m x 1.6m
Storage Conveyor	
Dimension	10.1m x 1.3m x 0.9m
Lifting Cylinder	2 pieces
Unloading conveyor belt	Stainless steel
Propulsion	
Twin paddle wheel Diameter	1.2m, Width 0.6m
Features	Tilt paddle wheel for transportation.



*All specified data may have variations. Ultratrex reserved the right to change it without prior notification.

A large yellow tracked weed harvester is shown in a factory setting. The machine has a long, articulated boom with a large, circular cutting head at the end. The background shows a large industrial building with a corrugated metal roof and a blue wall. A yellow crane is visible in the upper part of the image.

UltraTrex[®]

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