

SPECIFICATIONS OF HARVESTER 2

Particulars	Details
Build	Steel
Power plant	Mitsubishi Fuso 4D33, 4214 cc, four cylinder, diesel engine powering a hydraulic system to drive the propulsion system and water hyacinth collection and discharge system
Propulsion	2 x paddle wheel, hydraulic-drive
Storage bin and capacity	12.5 cubic meter capacity, aided by hydraulic-powered steel mesh conveyor system
Overall dimensions	Approximately 8m x 3m x 4m (Length, Width, Height)
Weight	9,000 kg
Collection system	Hydraulic-powered steel mesh conveyor aided by vertically-reciprocating cutters and paddle wheel
Load discharge system	Front conveyor is reconfigurable to discharge the collected water hyacinth
Design / Operational Speed	Transit Speed: 2.7 knots maximum Collection Speed: 1 ton in 20 minutes
Fuel consumption	7.5 liter per hour maximum
Water hyacinth capacity	1 ton water hyacinth
User capacity	2 operators
Amenities and features	Global positioning system (GPS) monitor Automatic bilge pump
Cost and other necessary charges / fees	Development budget: Php 10,000,000.00



Water Hyacinth Harvester 2



Storage bin



Storage bin



Cutter and paddle assembly



Front conveyor discharging the load