

420 series harvesters



The 420 Series Harvesters are the most efficient machine available for medium sized harvesting projects. The 420s offers exceptional versatility and value, making this model by far the most popular available on the market today.

The 420 Series has a 7' 0" (2,13 m) wide horizontal cutter bar and can cut up to 5' 2" (1,57 m) deep. It can hold up to 450 cubic feet (12,74 cubic meters) of cut vegetation on board, or up to 10,000 lb. (4.535 kg.) by weight.

Standard models include many quality and safety features; numerous options and upgrades are also available.



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420 SERIES - AQUATIC PLANT HARVESTER

DWG# 214574

SPECIFICATIONS		IMPERIAL	METRIC
DIMENSIONS	Operating Dimensions: L / W / H	38' 6" long / 15' 3" wide / 8' 11" tall	11,73 m long / 4,65 m wide / 2,72 m tall
	Shipping Dimensions: L / W / H	40' 7" long / 10' 0" wide / 9' 7" tall	12,37 m long / 3,05 m wide / 3,0 m tall
	Overall Weight	12,200 lb	5534 kg
FLOTATION	Barge Dimensions: L / W / H	24' 0" long / 10' 0" wide / 28" tall	7,32 m long / 3,05 m wide / 71 cm tall
	Compartments	3 Airtight / watertight compartments	3 Airtight / watertight compartments
	Draft: Empty / Fully Laden	11" Empty / 20" Fully Laden	28 cm Empty / 51 cm Fully Laden
POWER SOURCE	Standard Engine	Diesel	Diesel
	Engine Rating	Minimum 47 HP	Minimum 35,0 kW
	Engine Protection	Low oil & high temperature shutdown	Low oil & high temperature shutdown
	Fuel Tank	18 gallon fix mounted tank	68 liter fix mounted tank
HYDRAULICS	Hydraulic System	Variable volume pressure compensated	Variable volume pressure compensated
	Hydraulic Oil	Clarion 46 - environmentally safe, marine grade	Clarion 46 - environmentally safe, marine grade
	Hydraulic Reservoir Capacity	35 gallons w/ temperature & level gauge	132 liters w/ temperature & level gauge
	Hydraulic System Protection	Relief valves, low oil & clogged filter sensors	Relief valves, low oil & clogged filter sensors
CONTROL BRIDGE	Location	Over storage hold container	Over storage hold container
	Instrumentation & Controls	Valve control levers & foot pedals, gauges, warning lights & alarms	Valve control levers & foot pedals, gauges, warning lights & alarms
	Operator Amenities	Padded vinyl seat, bimini sun/rain canopy	Padded vinyl seat, bimini sun/rain canopy
	Operator Protection	All hydraulic lines/valves enclosed & shielded	All hydraulic lines/valves enclosed & shielded
HARVESTING HEAD	Harvesting Head: Width / Depth	7' wide / 0 to 5' 2" deep	2,13 meters wide / 0 to 1,60 meters deep
	Cutter Knives	Reciprocating 3" stroke, chrome plated	Reciprocating 76 mm stroke, chrome plated
	Impact Protection, Dual	Pre-compressed shocks & pivoting spring suspension	Pre-compressed shocks & pivoting spring suspension
	Conveyor Belting	1" x 1" standard duty galvanized mesh	25 mm x 25 mm standard duty galvanized mesh
STORAGE CONTAINER	Dimensions: Length / Width	29' 6" long / 6' 2" wide	9,0 meters long / 1,88 meters wide
	Capacity: Volume / Weight	450 cubic feet / 10,000 lbs.*	12,74 cubic meters / 4,535 kg*
	Conveyor Belting	1" x 1" standard duty galvanized mesh	25 mm x 25 mm standard duty galvanized mesh
	Discharge Height, from water surface	Up to 5'	Up to 1,52 meters
	Discharge Distance, from barge stern	6' 7"	2,00 meters
PROPULSION	Propulsion System, Size & Location	Twin paddle wheels, 68" x 28", amidships	Twin paddle wheels, 172 x 71 cm, amidships
	Operation & RPM Speed	Independent, forward & reverse, 0 to 48 RPM	Independent, forward & reverse, 0 to 48 RPM
FABRICATION	Hull Material	Carbon steel	Carbon steel
	Frame Material	Carbon steel	Carbon steel
	Fasteners	Stainless steel 18/8 throughout	Stainless steel 18/8 throughout
FINISH	Preparation	Abrasive sandblast, epoxy primer	Abrasive sandblast, epoxy primer
	Paint Type, above the waterline	High quality polyurethane	High quality polyurethane
	Paint Type, below the waterline	High quality marine epoxy	High quality marine epoxy
	Color, Manufacturer's Standard	Light blue	Light blue

*Depending on Final Features and Options

The policy of our company is one of continual improvement and we reserve the right to change specifications without notice.