AUGER DREDGER ECO 200

DREDGE YARD

MAIN PARTICULARS

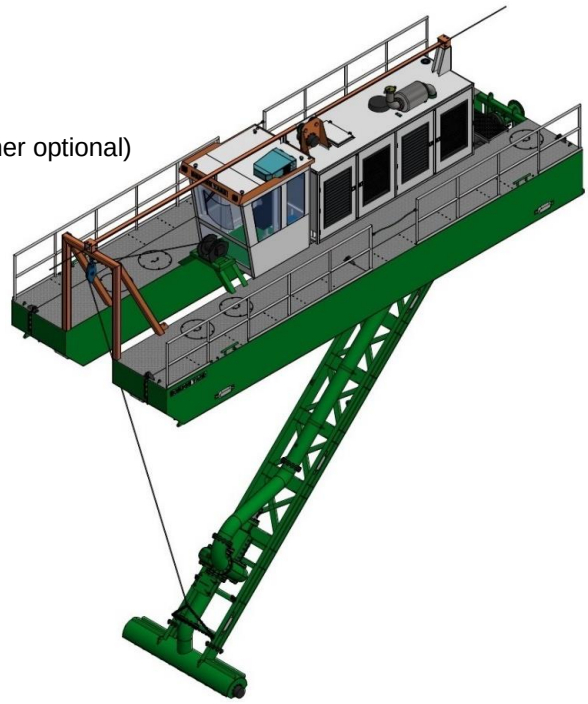
Type	Auger Suction Dredger	
Pontoons	Foldable pontoons	
Transport	Inside 40 ft high cube open top container	
Suction Pipe	200 mm	8 inch
Discharge pipe	200 mm	8 inch
Suitable for dredging	Clay, Medium Sand and Coarse sand	
Dredging depth	8 m	26 ft

POWER UNIT

Diesel engine	Perkins 1100	
Engine type	Industrial power unit	
Engine tier	EPA tier 3 emissions (higher optional)	
Engine power	168 kW	225 hp
Cooling	Radiator cooling	
Engine speed	1800-2200 rpm	

MAIN DIMENSIONS

Length overall	11.80 m	38.7 ft
Number of pontoons	4 (2x fixed)	
Length over pontoons	10.14 m	33.3 ft
Width overall	3.37 m	11.0 ft
Width during transport	2.30 m	7.5 ft
Height overall at operation	3.16 m	10.4 ft
Height of pontoon	1.00 m	3.3 ft
Design draught	0.60 m	2.0 ft



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DREDGE YARD

DREDGE PUMP

Type	DREDGE YARD DY200S	
Configuration	Single stage centrifugal pump	
Position	Submerged mounted on the ladder	
Suction diameter	200 mm	8 inch
Discharge diameter	200 mm	8 inch
Impeller number of vanes	3	
Dredge pump motor power	140 kW	188 hp
Dredge pump	600-1300 rpm	
Wear material	GX260 White Iron - high wear resistant	
Drive	Direct hydraulic drive	
Bearing block	Two spherical roller bearings	
Shaft Seal	Mechanical Shaft Seal	

DREDGE AUGER HEAD

Type	DY210-C Multipurposed	
Configuration	Helical auger head with conical entry	
Auger width	2.10 m	6.9 ft
Auger motor power	15 kW	20 hp
Auger motor speed	0-60 rpm	
Cutting system	Cutting knives (optional)	

DREDGING WINCH

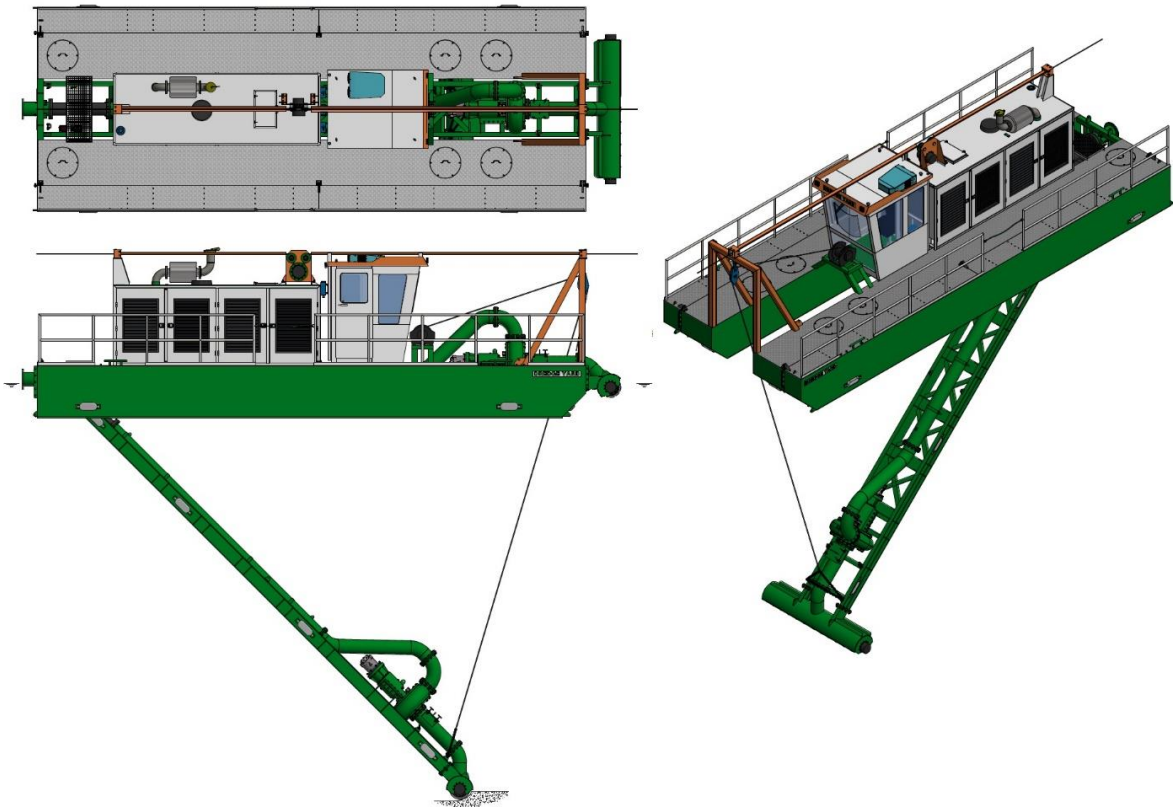
Type of winch	Traverse winch	
Movement	Forward and Backward	
Number of winches	1 unit	
Wire pull	20 kN	4496 lbs
Hauling speed	0-20 m/min	0-65 ft/min
Wire diameter	13 mm	0.5 inch
Drive	Hydraulic motor	

LADDER HOISTING WINCH

Type of winch	Drum winch	
Number of winches	1 unit	
Wire pull	35 kN	7868 lbs
Hauling speed	0-20 m/min	65 ft/min
Wire diameter	13 mm	0.5 inch
Drive	Hydraulic motor	

PROPULSION (Optional)

Purpose	Simple maneuvering in sheltered waters	
Type	Two fixed propellers	
Total power	44 kW	59 hp
Trust Force	6.9 kN	1552 lbs
Direction of Vessel	Forward, reverse, left and right	



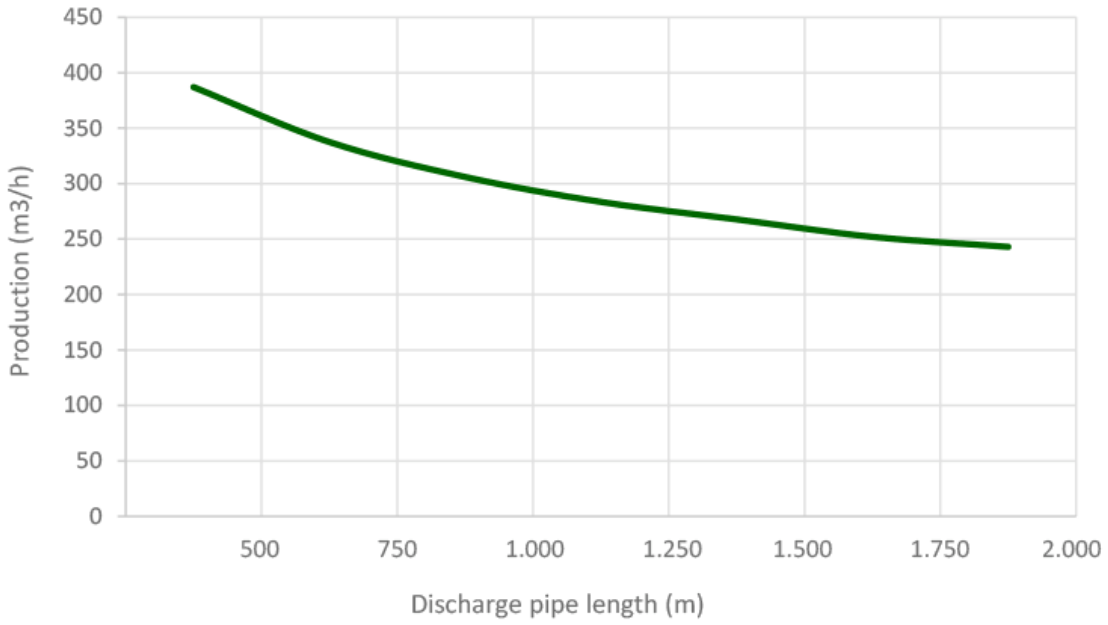
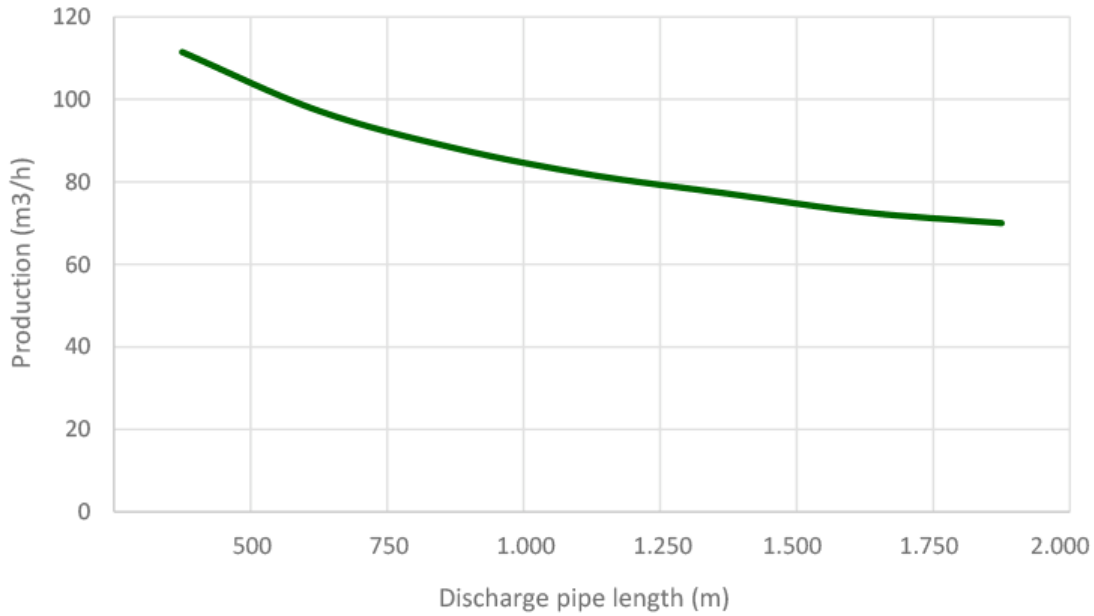
FUEL

Type	Diesel fuel	
Tank capacity	1000 liters	264 gallon

DREDGER OPERATING CABIN

Total area	1.96 m2	21 sq-ft
Cooling	Ventilation fan (a/c optional)	
Lights	1x interior light and 2x flood light	
Additional	Screen wipers	
Instrumentation	Dredging depth indication	

Production in water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