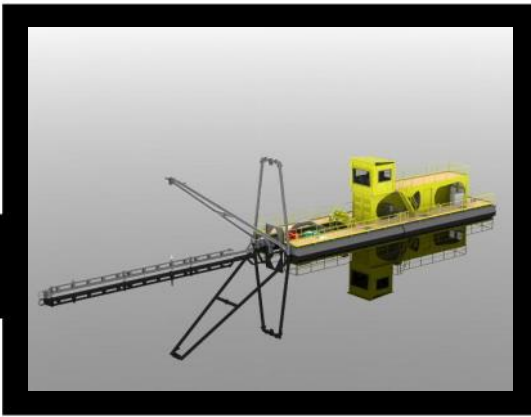


Alpha Dredger ESD50



Description:

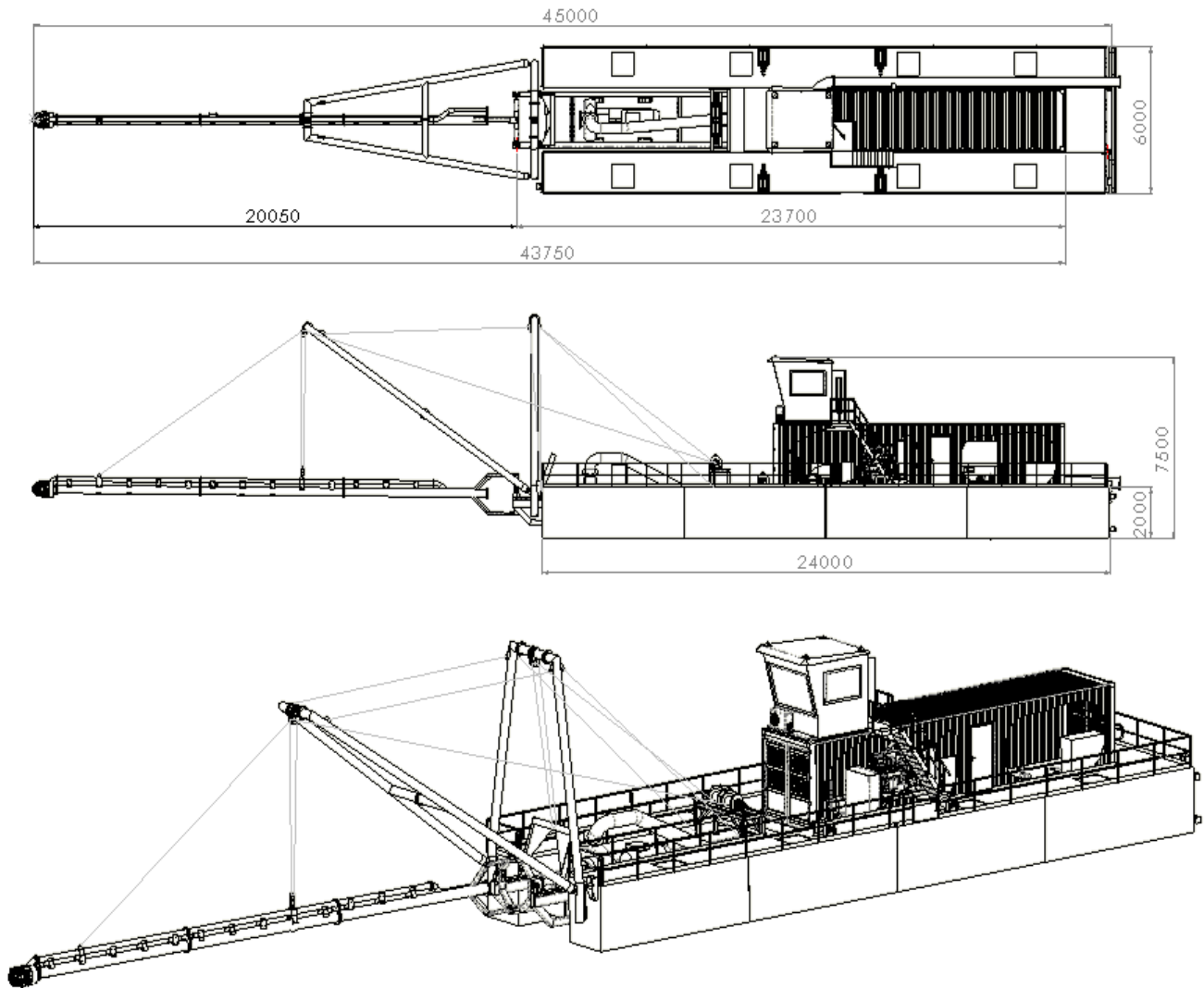
The Eureka Suction Dredgers are used for sand mining purposes. The suction dredger has a welded engine room that is always located above the water level. The control room is situated above the engine room. There are 2 square floaters on both sides of the dredger. The water jet dredgers can be equipped with a high pressure jet pump for increased capacities or deep suction systems for winning at a depth of 50m or even 80m.



Dredger range:		Alpha 200	Alpha 250	Alpha 300	Alpha 350	Alpha 400	Alpha 450
Suction depth up to	[m]	50 or 80	50 or 80	50 or 80	50 or 80	50 or 80	50 or 80
Mixture	[m ³ /hr]	850	1600	2300	2450	3200	4500
Solid material*	[m ³ /hr]	109	205	295	314	410	578
Solid material*	[ton/hr]	191	360	515	560	750	1012
Total power**	[kW]	185	225	425	470	590	820
Suction pipe Ø	[mm]	250	300	350	400	450	500
Delivery pipe Ø	[mm]	200	250	300	350	400	450
Spherical passage	[mm]	110	160	190	185	220	280
Waterjet flow	[m ³ /hr]	150	200	250	250	300	300
Waterjet pressure	[bar]	7	7	7	8	8	8
Mooring cable Ø	[mm]	10	10	12	12	14	14
Mooring winch power	[ton]	1.5	1.5	1.5	2	2	2
Draft depth pontoons	[m]	0.6	0.7	0.8	0.9	0.9	1.0
*Solid material = 70% < 2 mm 20% 2 - 32 mm 10% > 32 mm					**Power = A-rating or Electric		
Options:							
Spuds	Option	Option	Option	Option	Option	Option	Option
Spud carrier	Option	Option	Option	Option	Option	Option	Option
Automatic Dredge control	Option	Option	Option	Option	Option	Option	Option
Cabin AC	Option	Option	Included	Included	Included	Included	Included
Toilet	Option	Option	Option	Option	Option	Option	Option
Kitchen	Option	Option	Option	Option	Option	Option	Option

Alpha Dredger ESD50

Main dimensions:



Delivery Pipe



Water Jet Pump



Hydraulic Power Pack



Marsh crawler

EUREKA
www.eureka-bv.com

Maasstraat 3
NL-7071 VR ULFT
The Netherlands

Phone : 0 (031) 315 377 608
Fax : 0 (031) 315 377 609
Email : info@eureka-bv.com