

Alpha Dredger ESD25

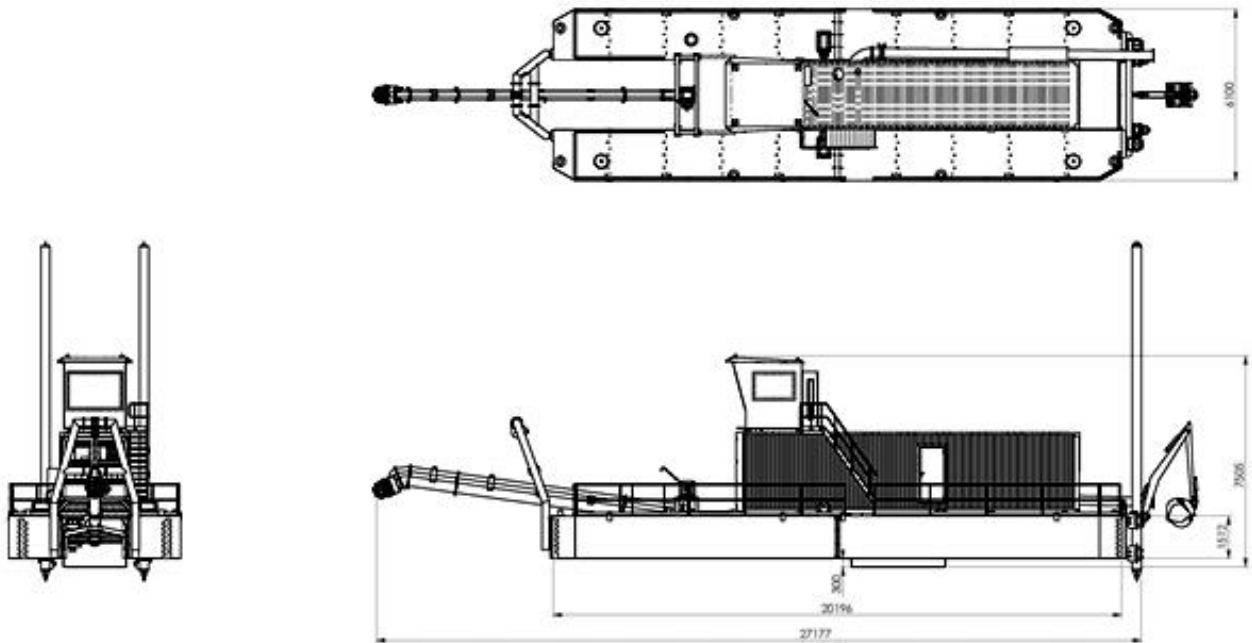
Description:

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, submersible dredge pumps or deep suction systems for winning at a depth of 25m.

Dredger range:		Alpha 200	Alpha 250	Alpha 300	Alpha 350	Alpha 400	Alpha 450	Alpha 550
Suction depth up to	[m]	25	25	25	25	25	25	25
Mixture	[m ³ /hr]	850	1600	2300	2450	3200	4500	6000
Solid material*	[m ³ /hr]	109	205	295	314	410	578	771
Solid material*	[ton/hr]	191	360	515	560	750	1012	1350
Total power**	[kW]	185	255	425	470	590	820	1240
Suction pipe Ø	[mm]	250	300	350	400	450	500	650
Delivery pipe Ø	[mm]	200	250	300	350	400	450	500
Spherical passage	[mm]	110	160	190	185	220	280	290
Waterjet flow	[m ³ /hr]	150	200	250	250	300	300	400
Waterjet pressure	[bar]	7	7	7	8	8	8	8
Mooring cable Ø	[mm]	10	10	12	12	14	14	16
Mooring winch power	[ton]	1.5	1.5	1.5	2	2	2.5	3
Draft depth pontoons	[m]	0.5	0.6	0.7	0.8	1.0	1.2	1.6
Dry weight	[ton]	54	56	64	67	71	76	85
Dimensions pontoons	[m]	24x6x7	24x6x7	24x6½x7	24x6½x7	24x7x8	24x7x8	24x7½x8
Length pipe up LxWxH	[m]	42x6x7	42x6x7	42x6½x7	42x6½x7	42x7x8	42x7x8	42x7½x8
*Solid material = 70% < 2 mm 20% 2 - 32 m 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	Included	Included	Included
Cabin AC		Option	Option	Option	Option	Included	Included	Included
Toilet		Option	Option	Option	Option	Option	Option	Option
Kitchen		N/A	N/A	Option	Option	Option	Option	Option

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Main dimensions:



Metal Zodiac



Separation plant



Work pontoons



Conveyers



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