

## Sigma Dredger EMD12



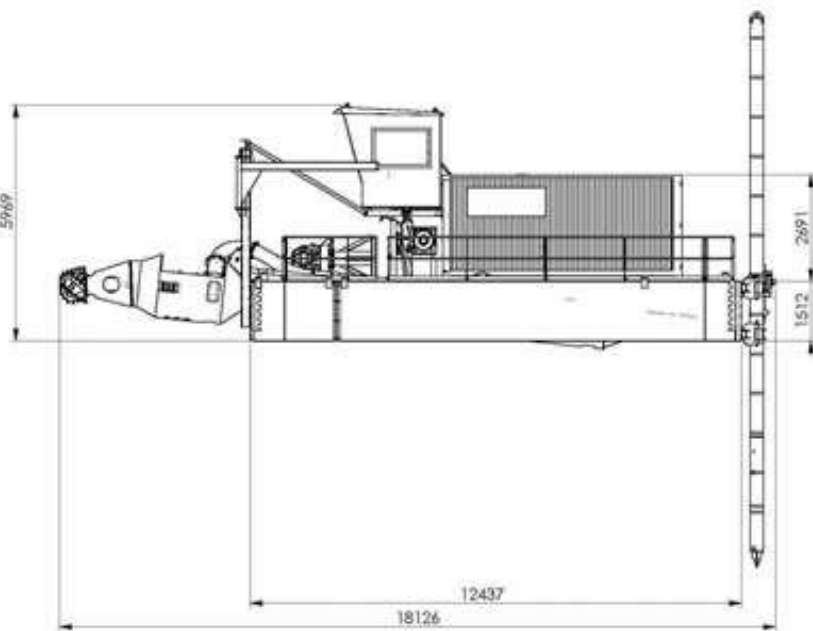
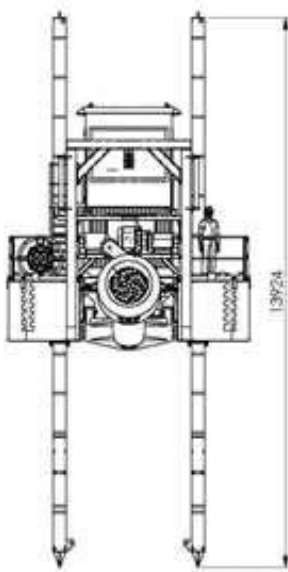
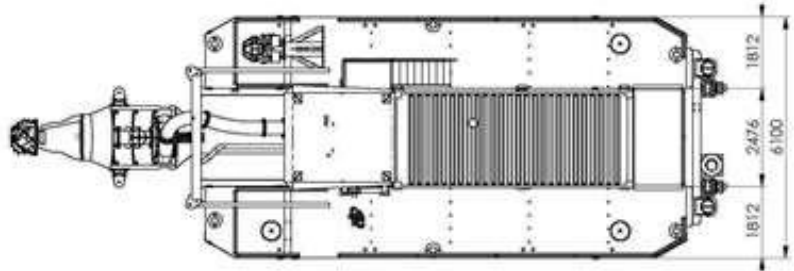
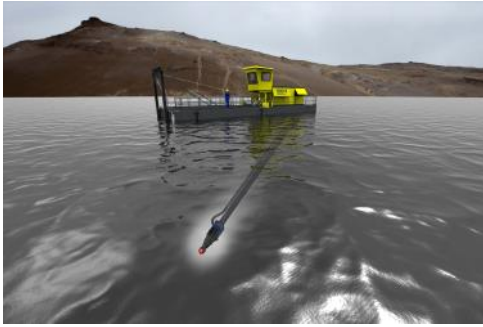
### Description:

The Eureka Multifunctional Dredger with both WATER JET and CUTTER function can be used in soft and hard layers for the cleaning of rivers, ponds and sand mining purposes. One dredger for all types of soil. The main advantage is the submersible dredge pump which is located on the dredge pipe to generate the highest efficiency. Another advantage of this dredger is the possibility of changing the dredge system during work. This changing can be done easily with the cranes which are mounted on both sides of the dredger. Also the anchors and spare parts can be lifted by this crane, guaranteeing an ergonomic working. The dredger is built compact so the cost are low and the construction is designed to make transport by sea freight containers possible.

Dredger range:		Sigma 200	Sigma 250	Sigma 300	Sigma 350	Sigma 400	Sigma 450
Suction depth up to	[m]	12	12	12	12	12	12
Mixture	[m <sup>3</sup> /hr]	850	1250	1900	2300	3200	4500
Solid material*	[m <sup>3</sup> /hr]	109	160	244	295	411	578
Solid material*	[ton/hr]	191	281	427	517	720	1012
Total power**	[kW]	185	255	425	470	590	820
Suction pipe Ø	[mm]	200	250	300	350	400	450
Delivery pipe Ø	[mm]	200	250	300	350	400	450
Spherical passage	[mm]	110	130	150	190	220	280
Waterjet flow	[m <sup>3</sup> /hr]	150	200	250	250	300	300
Waterjet pressure	[bar]	7	7	7	8	8	8
Cutter diameter	[mm]	450	550	650	700	750	850
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	1.0	1.0
Dry weight	[ton]	33	46	55	68	75	83
Dimensions pontoons	[m]	12x5x6	12x5x6	12x6x6	12x6x6	12x7x7	12x7x7
Length pipe up LxWxH	[m]	16x5x6	16x5x6	16x6x6	16x6x6	16x7x7	16x7x7
*Solid material = 70% < 2 mm 20% 2 - 32 mm 10% > 32 mm				**Power = A-rating or Electric			
<b>Options:</b>							
Spuds		Option	Option	Option	Option	Option	Option
Spud carrier		Option	Option	Option	Option	Option	Option
Automatic Dredge control		Option	Option	Option	Included	Included	Included
Cabin AC		Option	Option	Option	Included	Included	Included
Toilet		Option	Option	Option	Option	Option	Option
Kitchen		Option	Option	Option	Option	Option	Option

# Sigma Dredger EMD12

## Main dimensions:



Metal Zodiac



Separation plant



Work pontoons



Conveyers

# EUREKA

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