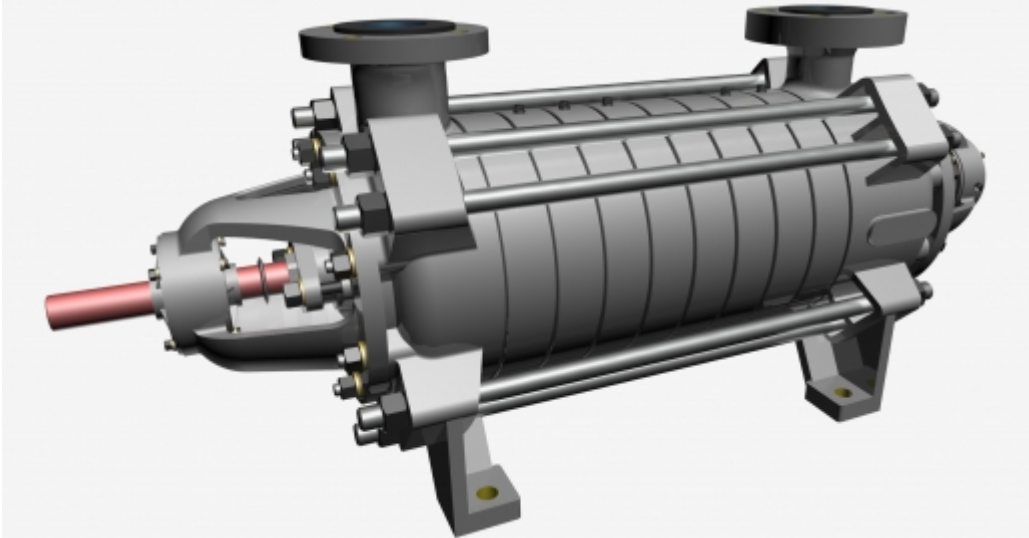


# VELOXOS-50



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**PUBLICATION - 2017-11-07**

# NOMINAL OPERATION PARAMETERS AT PURE WATER PUMPING

		Number of stages														
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
<b>Capacity</b>	Q <sub>n</sub>	27														m <sup>3</sup> /h
<b>Head</b>	H	80	120	160	200	240	280	320	360	400	440	480	520	560	600	m
<b>Max. pressure in suction connector</b>	P <sub>s</sub>	1,0														MPa
<b>Net positive suction head and rate of flow</b>	NPSH	3,2														m
<b>Weight</b>	m	160	177	194	210	227	244	261	278	295	311	328	345	362	379	kg
<b>Rotational speed</b>	n	3000														rpm

## TYPICAL APPLICATIONS

- pumping of pure water of slightly contaminated,
- district heating - boiler feedwater, boiler cleaning,
- energy - condensate pumping,
- papermaking - sieves cleaning,
- sugar factory - sieves cleaning,
- food industry - supply of steam generators,
- coking plant - ammonia water pumping, injectors supply,
- other industrial systems in which fluid parameters are similar to water with pH 6÷10.

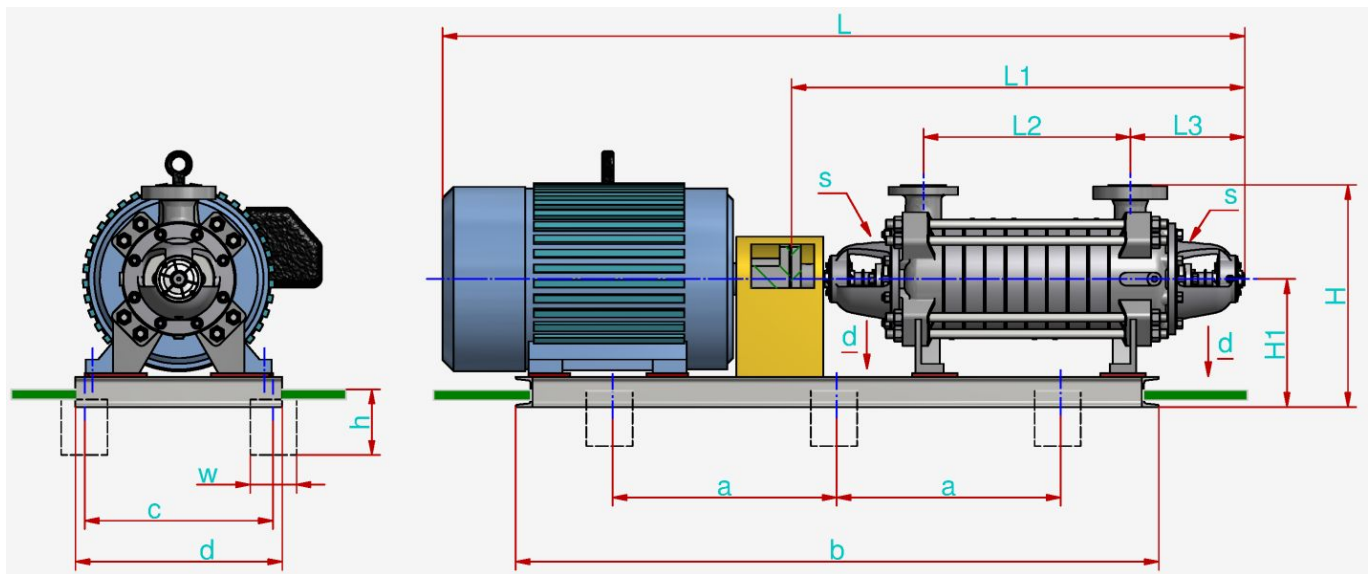
## BASIC ADVANTAGES

- light and compact design,
- silent and smooth operation,
- temperature of pumped liquid can be up to 150°C,
- approved for operation in explosion-hazard zones - ATEX Ex I M2.

# PUMP PERFORMANCE CURVE

IN PROGRESS

## MAIN DIMENSIONS



	Number of stages														
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
<b>Suction connector</b>	DN65 PN16 EN 1092-1														-
<b>Discharge connector</b>	DN50 PN100 EN 1092-1														-
<b>L</b>	1412	1537	1690	1745	1800	1905	2068	2123	2262	2317	2372	2423	2478	2533	mm
<b>L<sub>1</sub></b>	820	875	930	985	1040	1095	1150	1205	1260	1315	1370	1425	1480	1535	mm
<b>L<sub>2</sub></b>	165	220	275	330	385	440	495	550	605	660	715	770	825	880	mm
<b>L<sub>3</sub></b>	305														mm
<b>H</b>	610						680								mm
<b>H<sub>1</sub></b>	360						430								mm
<b>a</b>	620		708			715		840			1040				mm
<b>b</b>	1287		1485			1500		1750			2150				mm
<b>c</b>	330		370			450			510				mm		
<b>d</b>	380		420			520			580				mm		
<b>h</b>	250						300								mm
<b>w</b>	100														mm
<b>Motor power</b>	15	22	30	37	45	55	75				90				kW
<b>Weight</b>	399	461	559	596	612	672	812	829	1031	1047	1064	1237	1253	1270	kg

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**It is possible to produce pumps with parameters different than those presented in the tables and on the graphs per agreement with the manufacturer.**