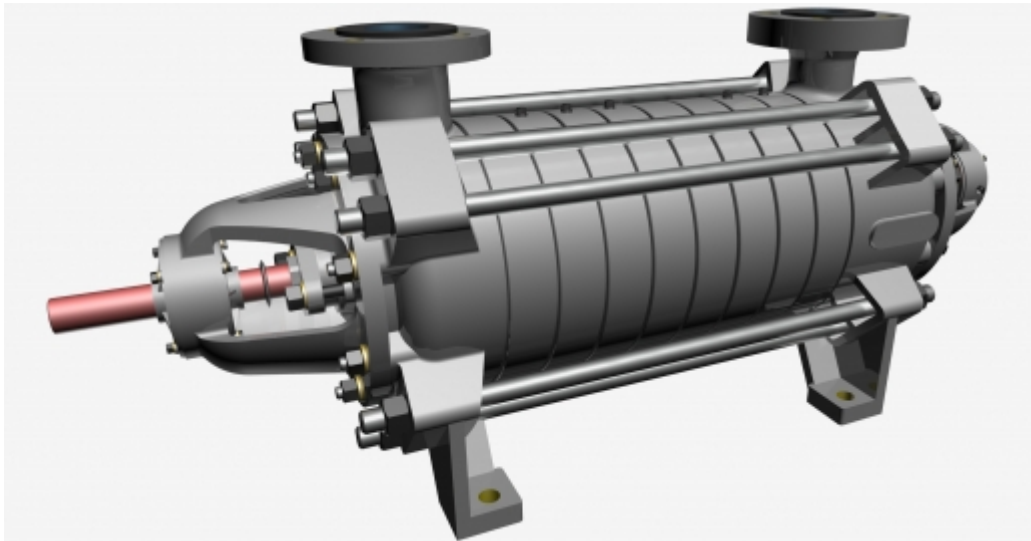


# VELOXOS-50



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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	
Capacity	Q <sub>n</sub>	27														m <sup>3</sup> /h
Head	H	80	120	160	200	240	280	320	360	400	440	480	520	560	600	m
Max. pressure in suction connector	P <sub>s</sub>	1,0														MPa
Net positive suction head and rate of flow	NPSH	3,2														m
Weight	m	160	177	194	210	227	244	261	278	295	311	328	345	362	379	kg
Rotational speed	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.

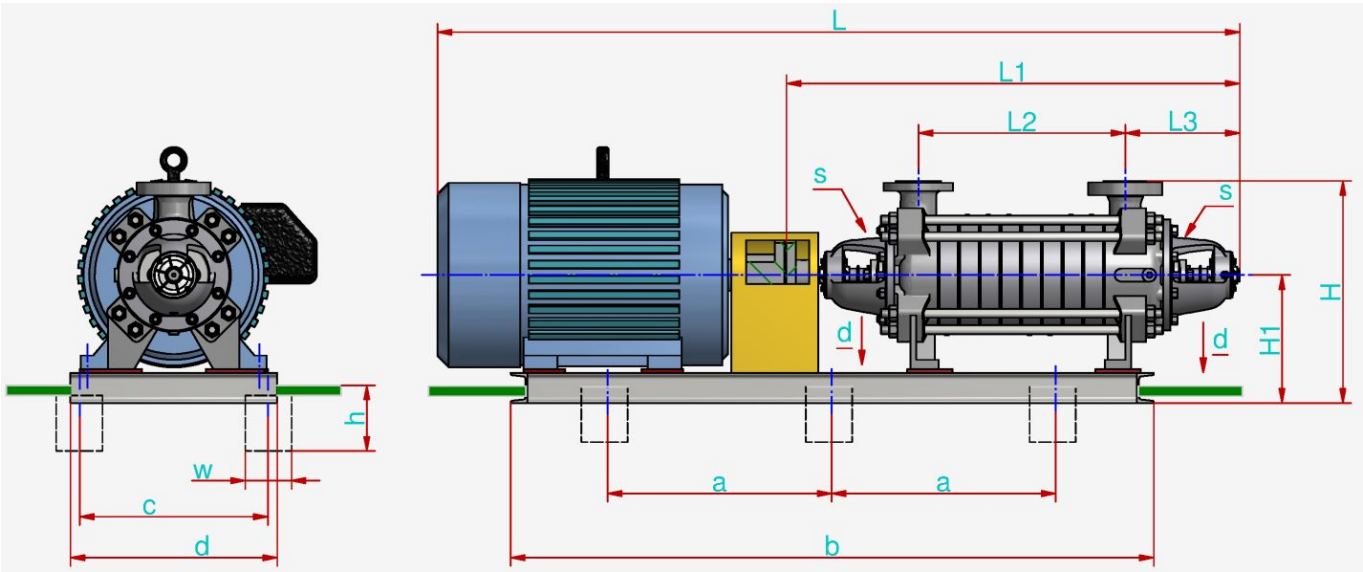
## BASIC ADVANTAGES

- 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		
Suction connector	DN65    PN16    EN 1092-1														-	
Discharge connector	DN50    PN100    EN 1092-1														-	
L	1412	1537	1690	1745	1800	1905	2068	2123	2262	2317	2372	2423	2478	2533	mm	
L <sub>1</sub>	820	875	930	985	1040	1095	1150	1205	1260	1315	1370	1425	1480	1535	mm	
L <sub>2</sub>	165	220	275	330	385	440	495	550	605	660	715	770	825	880	mm	
L <sub>3</sub>	305														mm	
H	610									680					mm	
H <sub>1</sub>	360									430					mm	
a	620		708			715	840			1040					mm	
b	1287		1485			1500	1750			2150					mm	
c	330		370			450			510					mm		
d	380		420			520			580					mm		
h	250					300										mm
w	100															mm
Motor power	15	22	30	37		45	55		75			90			kW	
Weight	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.**