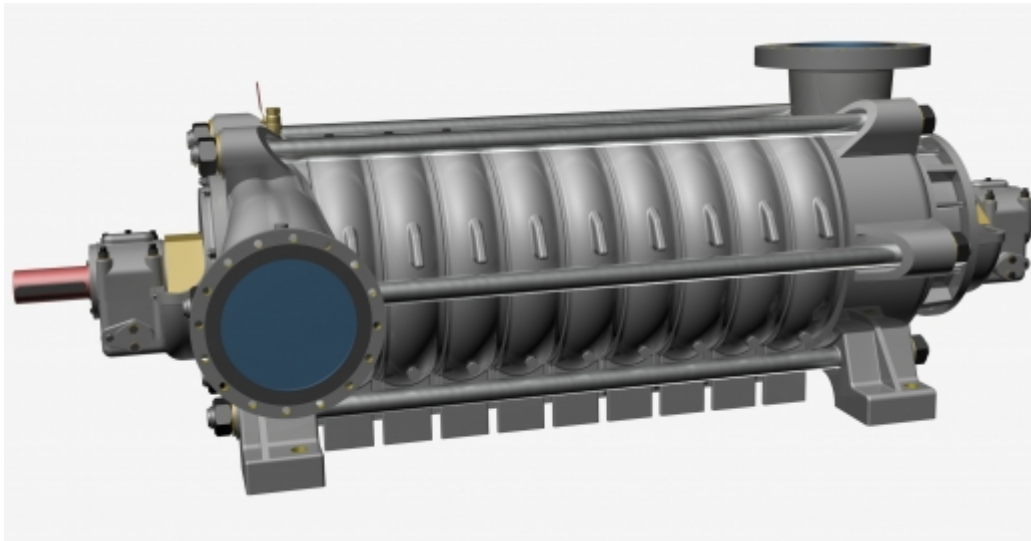


# WPW-300



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**PUBLICATION - 2017-11-07**

## TYPICAL APPLICATIONS

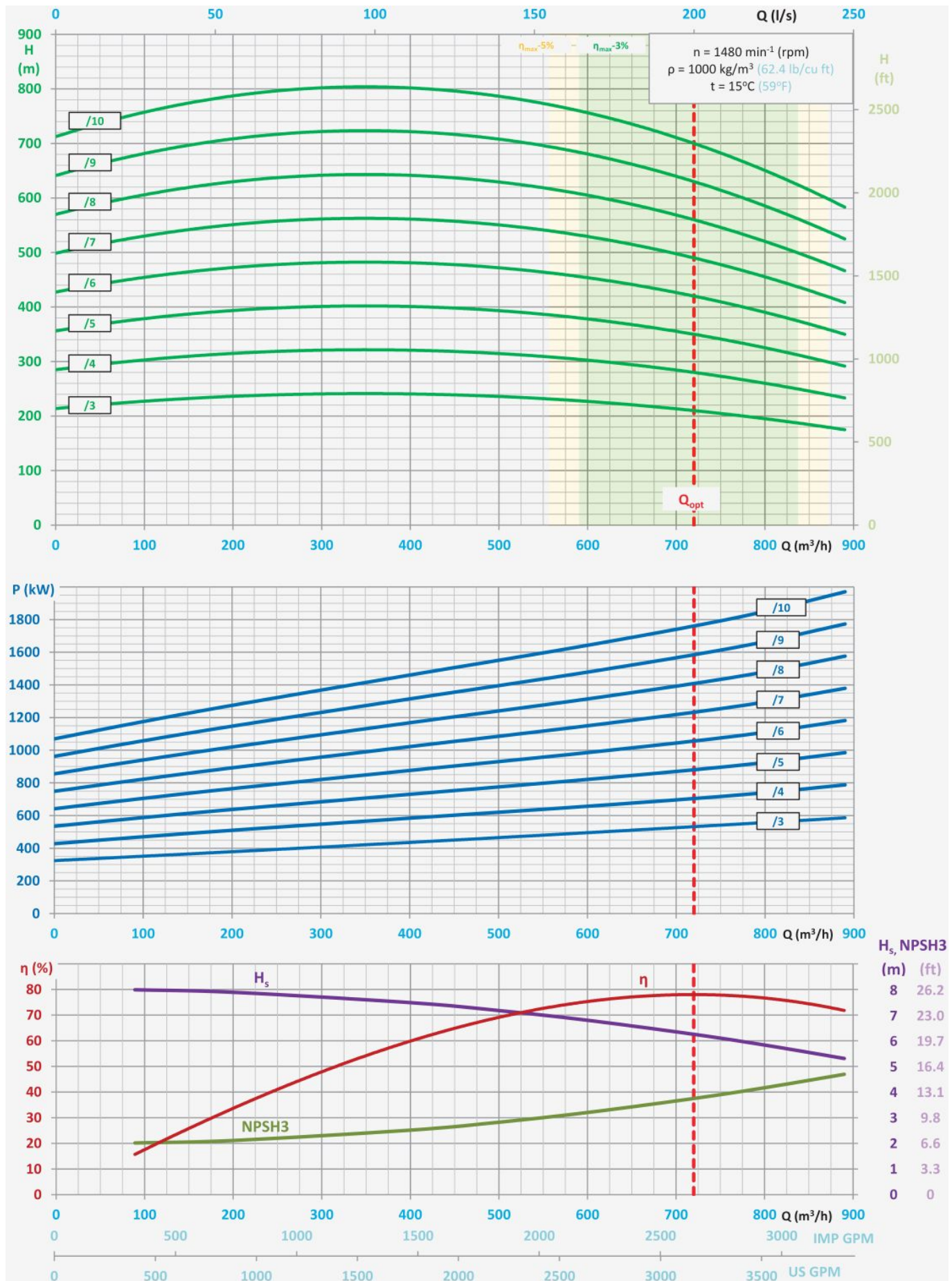
- pumping of pure or mechanically contaminated water with solids with the grain size of up to 2 mm,
- pressure boosting,

- technological processes,
  - industrial systems,
  - mining – main and auxiliary dewatering,
  - coal, copper, salt mines and others.
- 

## **KEY ADVANTAGES**

- long life ensured by the use of state-of-the-art corrosion- and erosion resistant materials,
  - special material execution DUPLEX especially resistant to difficult conditions,
  - possibility to use an electronic system of the balance disk wear monitoring,
  - connection dimensions in compliance with multi-stage drainage pumps,
  - approved for operation in explosion-hazard zones – ATEX Ex I M2.
- 

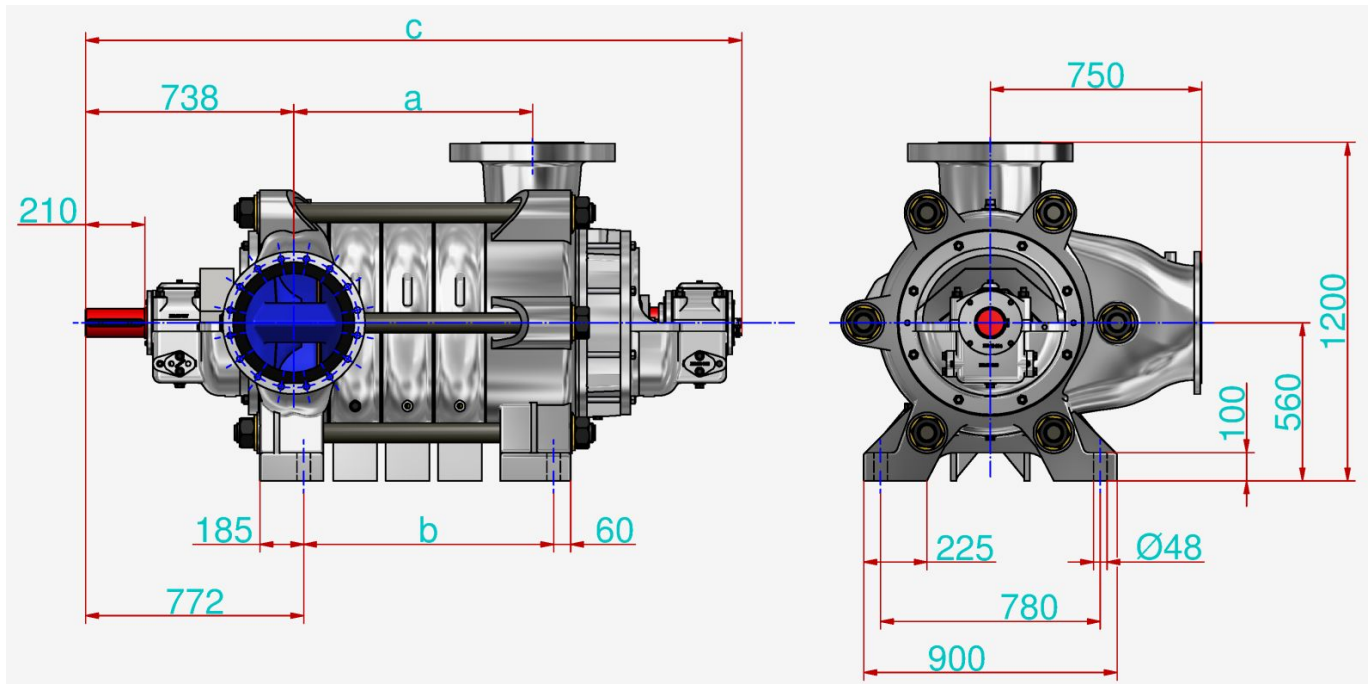
## **PUMP PERFORMANCE CURVE**



- $H = f(Q)$  - lift head acc. to rate flow,

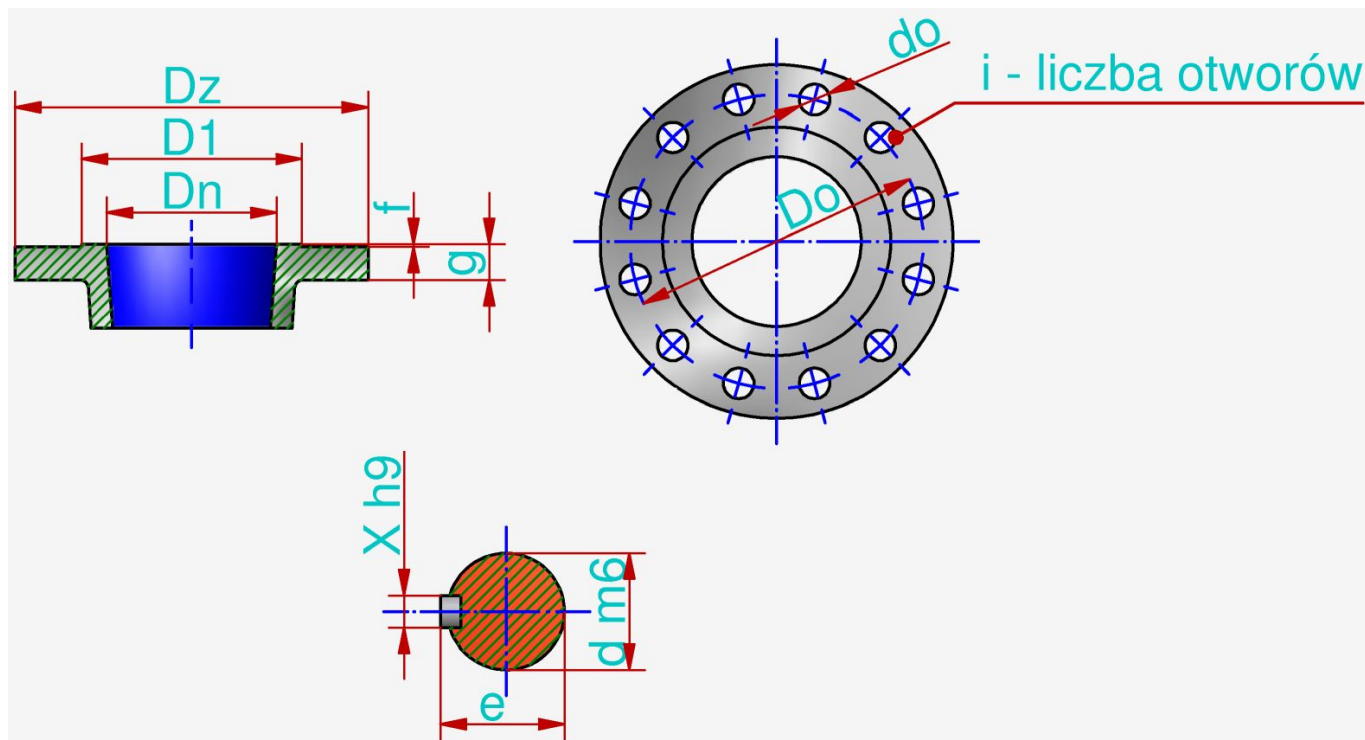
- $P = f(Q)$  - power input acc. to rate flow,
- $\eta = f(Q)$  - efficiency acc. to rate of flow,
- $H_s = f(Q)$  - allowable suction head acc. to rate of flow,
- $NPSH3 = f(Q)$  - net positive suction head and rate of flow.

## MAIN DIMENSIONS OF PUMP



Number of stages									
single drive					dual drive				
	3	4	5	6	7	8	9	10	
a	2151	2337	2523	2709	3108	3294	3480	3666	mm
b	701	887	1073	1259	1445	1631	1817	2003	mm
c	659	845	1031	1217	1403	1589	1775	1961	mm

## CONNECTION SIZES OF PUMP



	$D_n$	Number of stages	$P_n$	$D_z$	$d_0$	$g$	$F$	$D_0$	$D_1$	$i$	$d$	$e$	$x$
Suction connector	350	-	10	505	22	26	4	460	460	16	-	-	-
Discharge connector	300	3÷5	40	515	33	42	4	450	410	16	-	-	-
		6÷8	63	530	36	52	5	460	363		-	-	-
		9÷10	100	585	42	68	5	500	363		-	-	-
Shaft / coupling	-	-	-	-	-	-	-	-	-	-	100	106	28
	mm	-	bar	mm	mm	mm	mm	mm	mm	-	mm	mm	mm

The flanges are normally made in accordance with the standard PN-EN 1092-1 or PN-EN 1092-2.

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