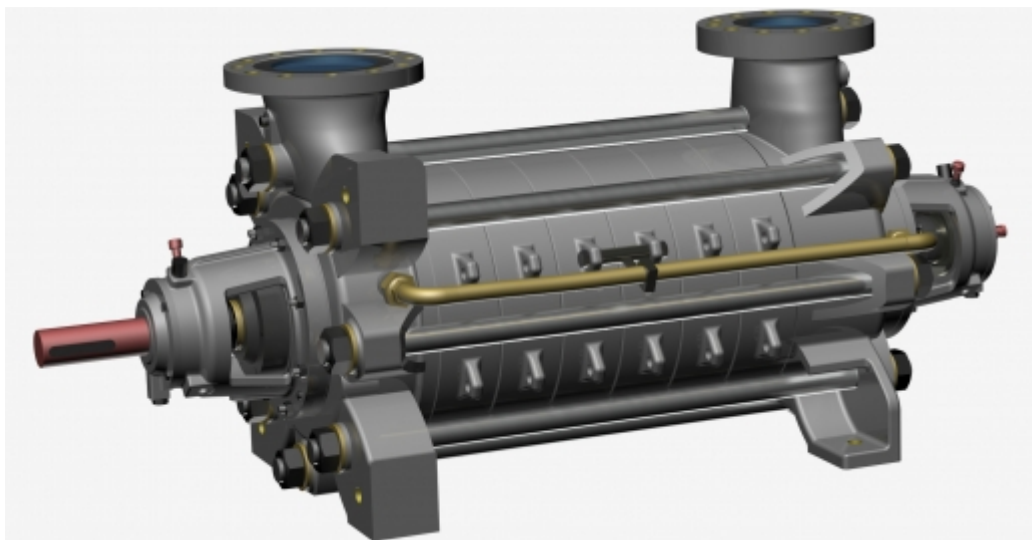


# SPW-150



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**PUBLICATION - 2017-11-07**

## TYPICAL APPLICATIONS

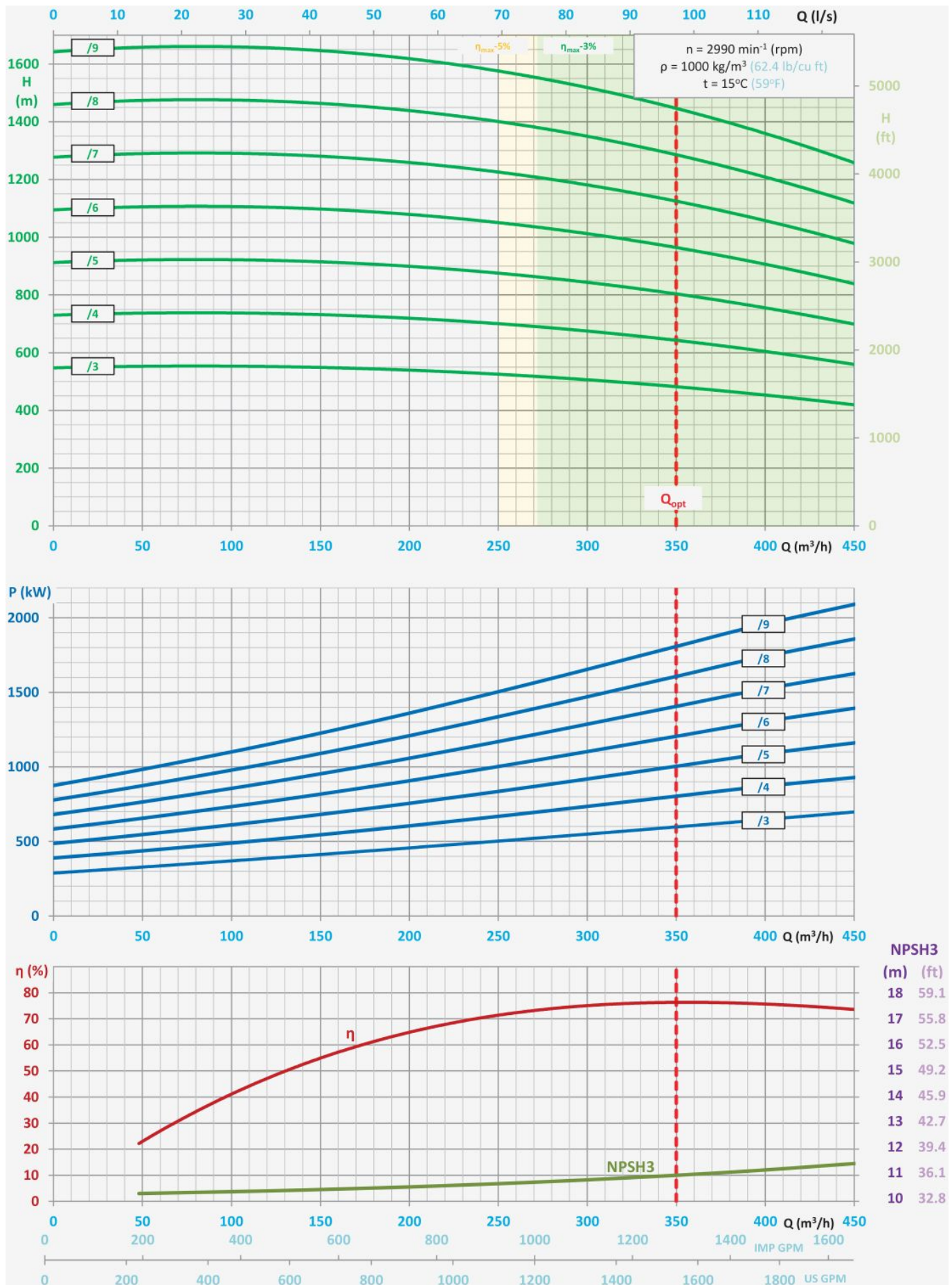
- pumping of pure or mechanically contaminated water with solids with the grain size of up to 2 mm,
- pressure boosting,

- technological processes,
  - industrial systems,
  - mining – main and auxiliary dewatering.
- 

## **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,
  - precise balancing of rotating unit,
  - the highest precision of parts workmanship with the use of multi-axle machinery,
  - possibility of changing the suction connection every 90,
  - possibility of using a mechanical seal,
  - possibility to use an electronic system of the balance disk wear monitoring,
  - approved for operation in explosion-hazard zones – ATEX Ex I M2.
- 

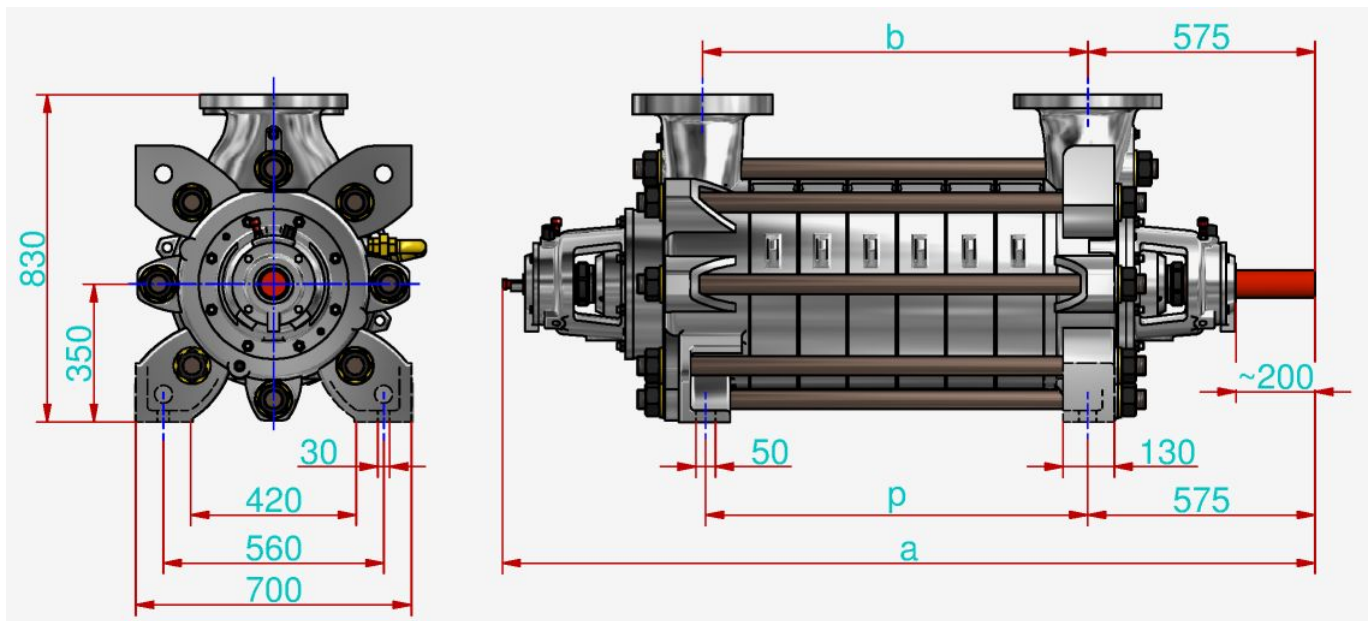
## **PUMP PERFORMANCE CURVE**



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

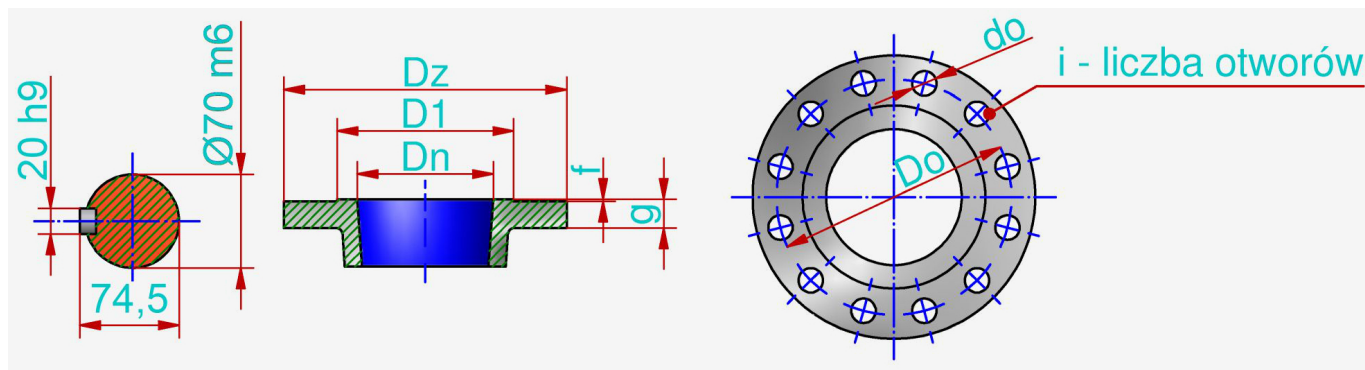
- $P = f(Q)$  - power input acc. to rate flow,
- $\eta = f(Q)$  - efficiency acc. to rate of flow,
- $NPSH_3 = f(Q)$  - net positive suction head and rate of flow.

## MAIN DIMENSIONS OF PUMP



	Number of stages							
	3	4	5	6	7	8	9	
a	1600	1725	1850	1975	2100	2225	2350	mm
b	475	600	725	850	975	1100	1225	mm
p	475	600	725	850	975	1100	1225	mm

## CONNECTION SIZES OF PUMP



	$D_n$	Number of stages	$P_n$	$D_z$	$d_0$	$g$	$f$	$D_0$	$D_1$	$i$
Suction connector	200	-	10	340	22	24	3	295	268	8
			40	375	30	34	3	320	268	12
Discharge connector	150	3	63	345	33	44	4	280	203	8
		4÷6	100	355	33	44	4	290	203	12
		7÷9	160	355	33	44	4	290	210	12
	mm	-	bar	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.**