WPW-150

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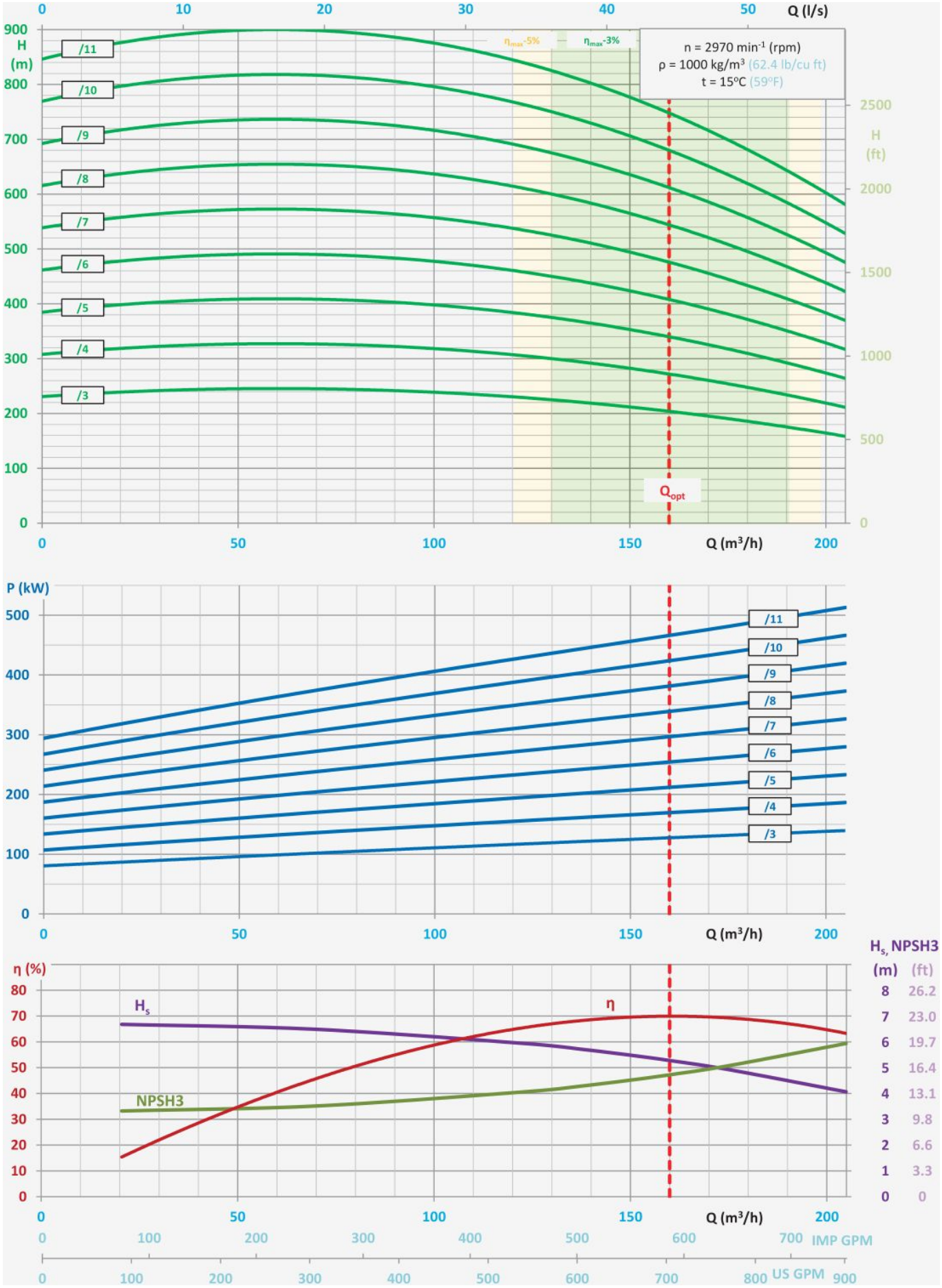
TYPICAL APPLICATIONS

- 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.

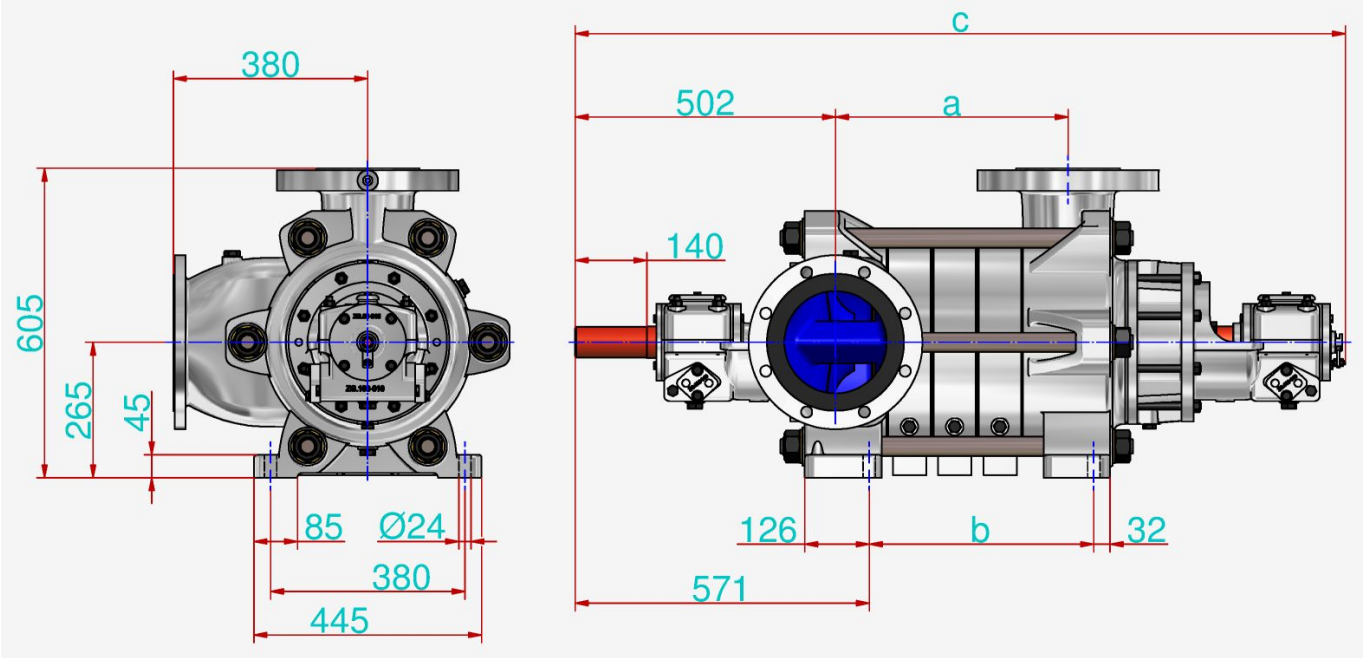
PUMP PERFORMANCE CURVE



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

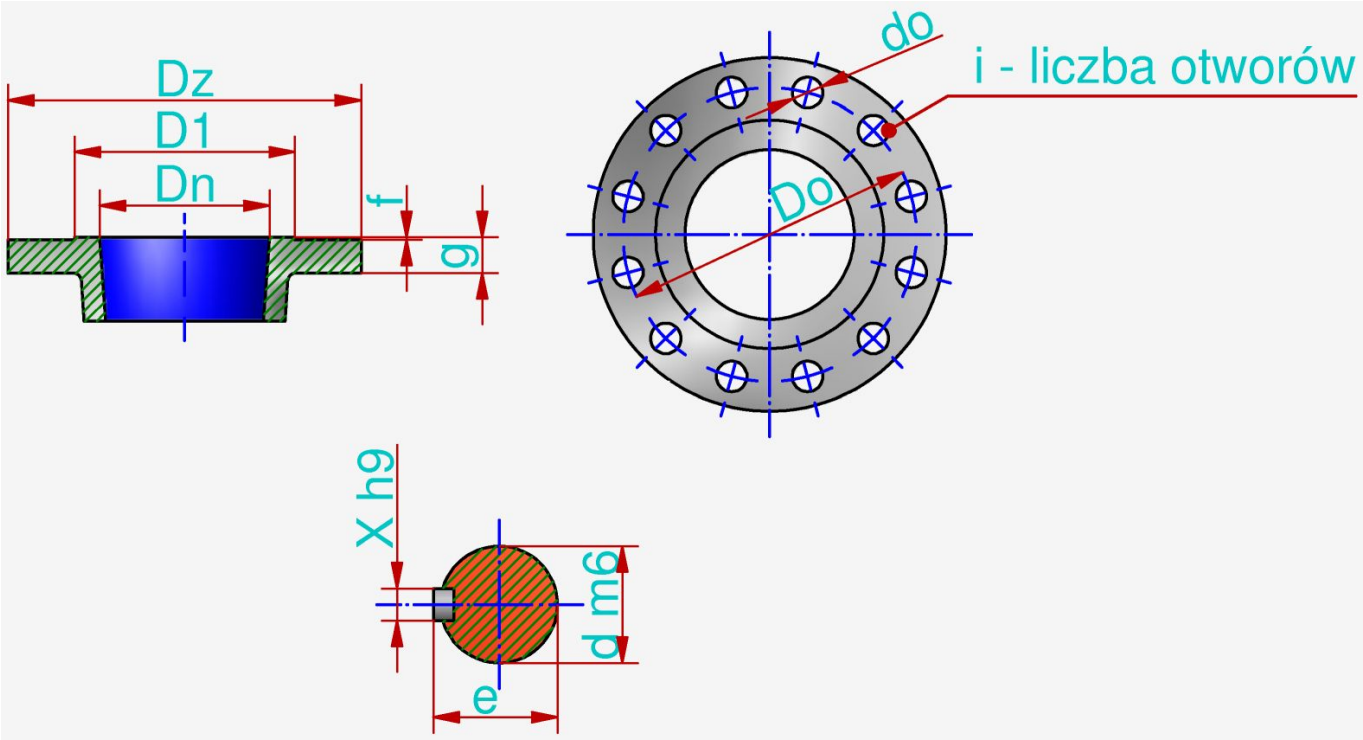
- P = f(Q) – power input acc. to rate flow,
- η = f(Q) – efficiency acc. to rate of flow,
- H_S = f(Q) – allowable suction head acc. to rate of flow,
- NPSH3 = f(Q) – net positive suction head and rate of flow.

MAIN DIMENSIONS OF PUMP



	Number of stages									
	3	4	5	6	7	8	9	10	11	
a	375	464	553	642	731	820	909	998	1087	mm
b	346	435	524	613	702	791	880	969	1058	mm
c	1424	1513	1602	1691	1780	1869	1958	2047	2136	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	200	-	10	340	22	24	3	295	268	8	-	-	-
Discharge connector	150	3÷5	40	300	26	44	3	250	218	8	-	-	-
		6÷8	63	345	33	44	4	280	203	8	-	-	-
		9÷11	100	355	33	44	4	290	203	12	-	-	-
Shaft / coupling	-	-	-	-	-	-	-	-	-	-	60	64	18
	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.