

PS-150Z



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2D



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TYPICAL APPLICATIONS

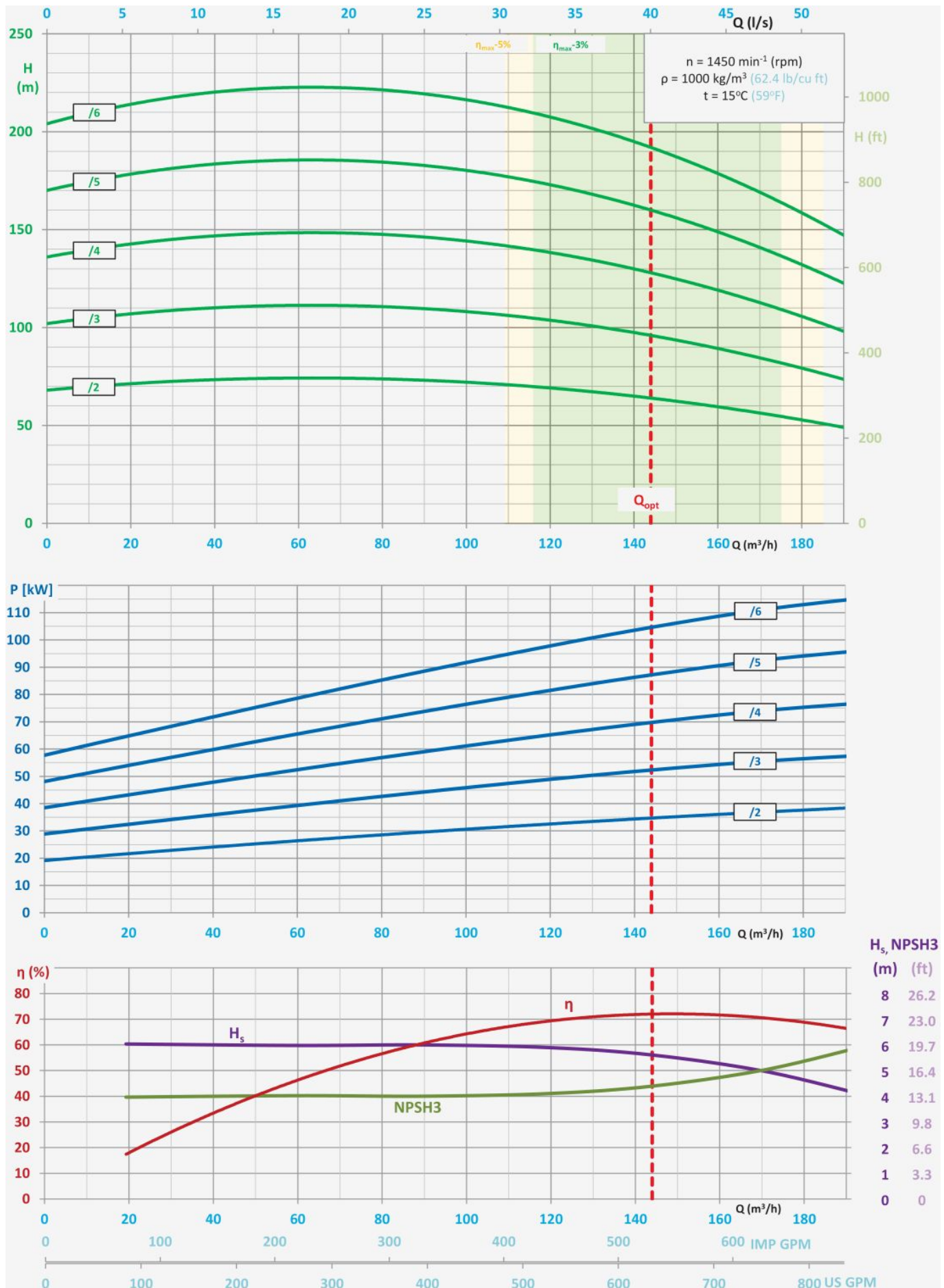
- pumping of pure or mechanically contaminated water with solids with the grain size of up to 2 mm,
- mining - longwall and auxiliary dewatering,

- water supply systems,
 - pressure boosting,
 - technological processes,
 - industrial systems,
 - filtration systems.
-

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,
 - no water cooling of bearings required due to the appropriate design of the relief of the pump axial forces,
 - silent and smooth operation,
 - connection dimensions in compliance with medium pressure drainage pumps,
 - inflow and suction operation,
 - compact and modern design,
 - maintenance-free operation with the use of mechanical sealing,
 - approved for operation in explosion-hazard zones – ATEX Ex I M2.
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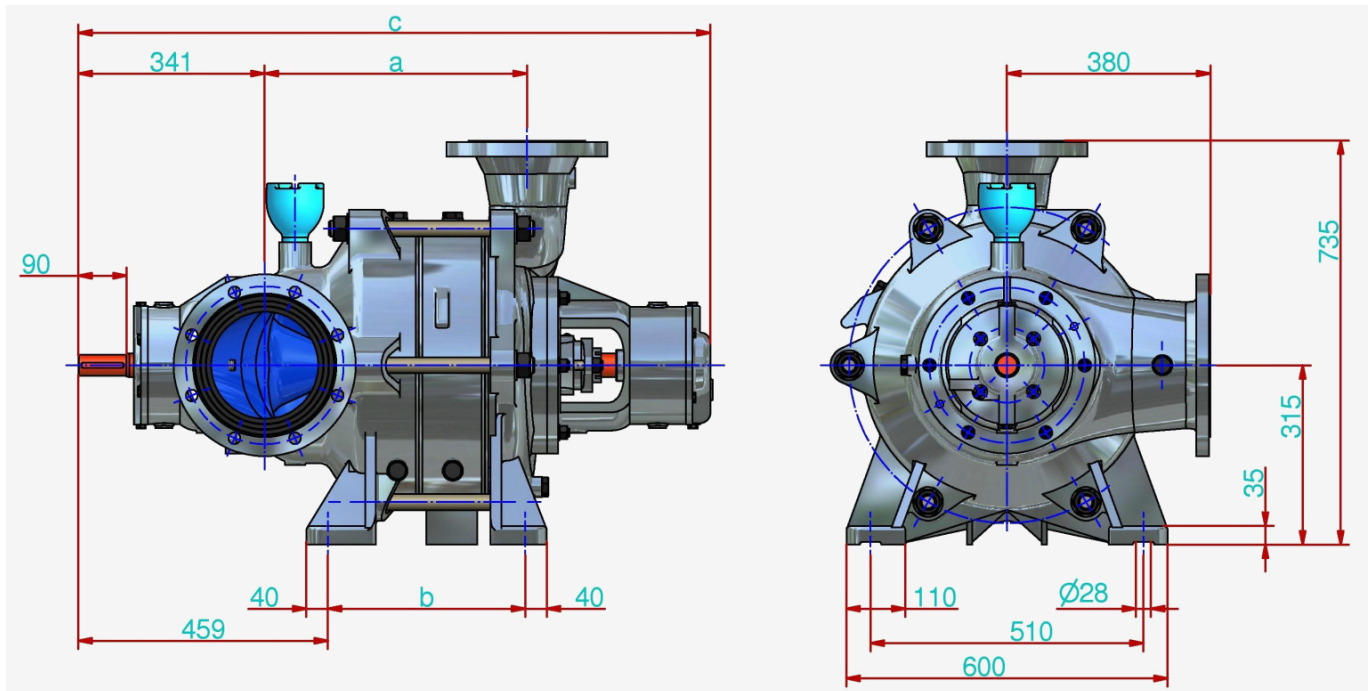
PUMP PERFORMANCE CURVE



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

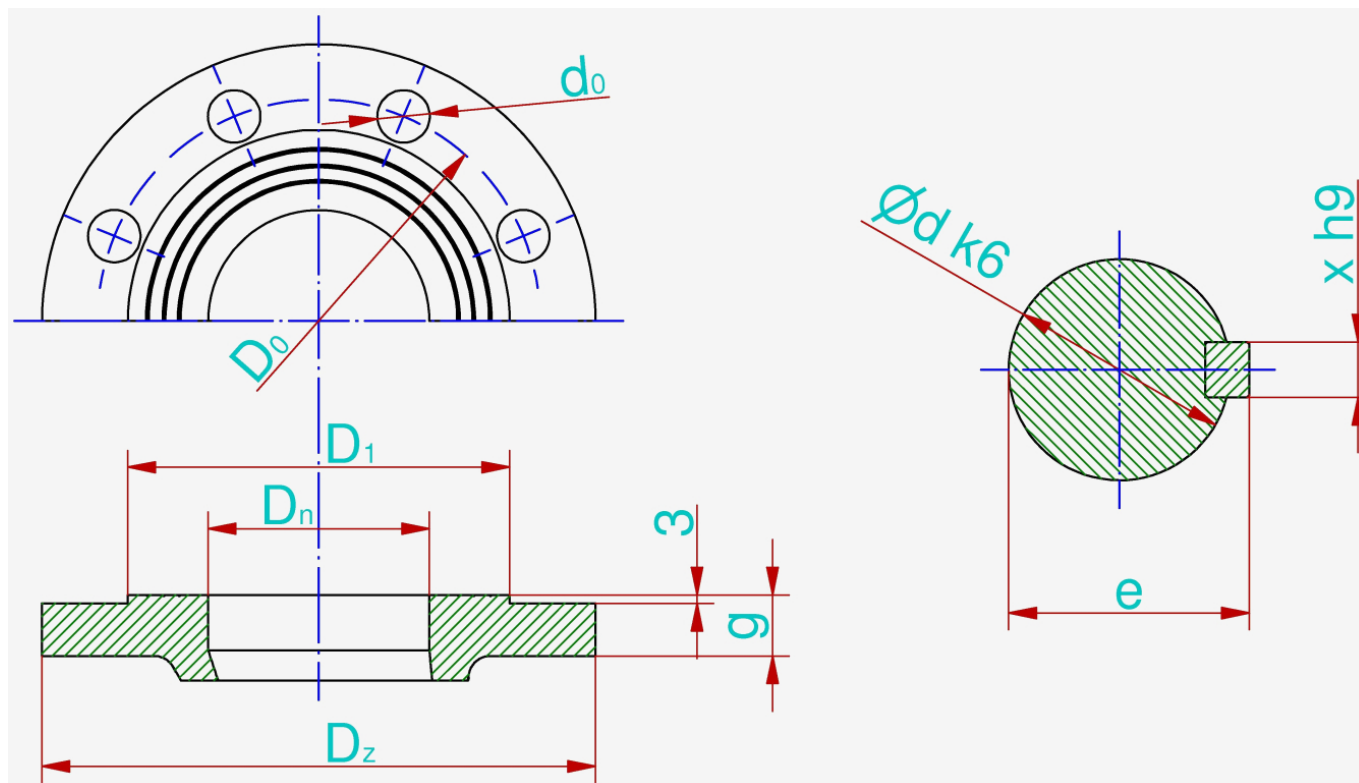
- $P = f(Q)$ - power input acc. to rate flow,
- $\eta = f(Q)$ - efficiency acc. to rate of flow,
- $H_s = f(Q)$ - allowable suction head acc. to rate of flow,
- $NPSH_3 = f(Q)$ - net positive suction head and rate of flow.

MAIN DIMENSIONS OF PUMP



	Number of stages					
	2	3	4	5	6	
a	367	491	615	739	863	mm
b	246	370	494	618	742	mm
c	1101	1125	1349	1473	1597	mm

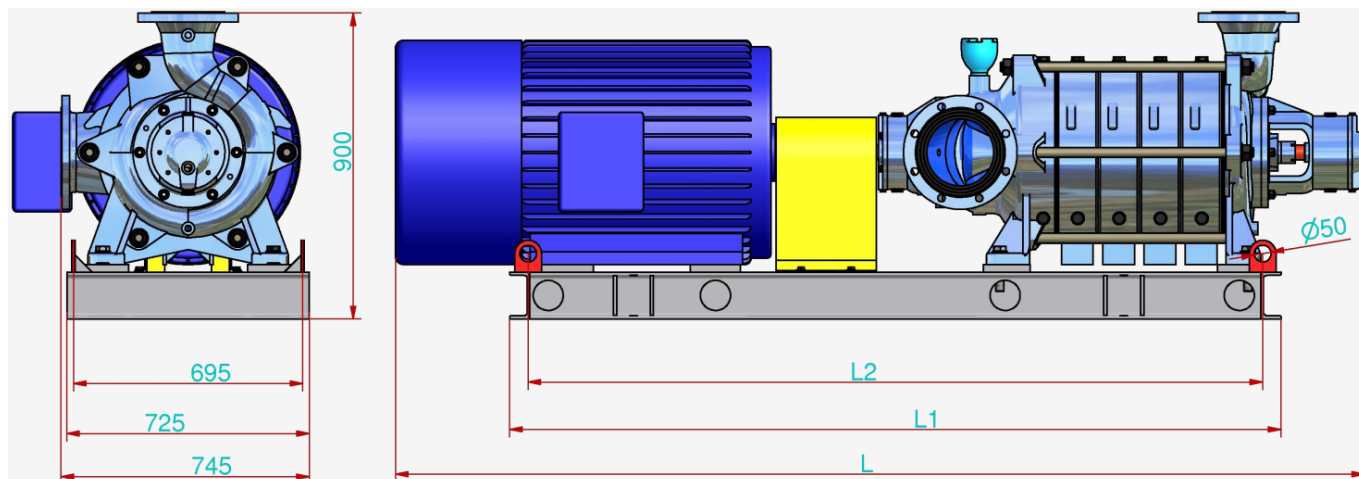
CONNECTION SIZES OF PUMP



	P_n	D_n	i	D_z	d_0	g	D_0	D_1	d	e	x
Suction connector	10	200	8	340	22	26	295	268	-	-	-
Discharge connector	25	150	8	300	26	30	250	210	-	-	-
Shaft / coupling	-	-	-	-	-	-	-	-	40	43,5	10
	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.

MAIN DIMENSIONS OF PUMP UNIT



	Number of stages					
	2	3	4	5	6	
L	2013	2351	2475	2776	2894	mm
L ₁	1517	1779	1903	2135	2259	mm
L ₂	1397	1659	1783	2015	2139	mm
Weight	1069	1444	1604	1830	1979	kg
Coupling type (Rex Viva)	V170	V215	V215	V245	V245	-
Motor type (Celma)	dSg 225M4-EP	dSg 280S4-EP	dSg 280S4-EP	dSg 280M4Z-EP	dSg 315M4A-EP	-

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