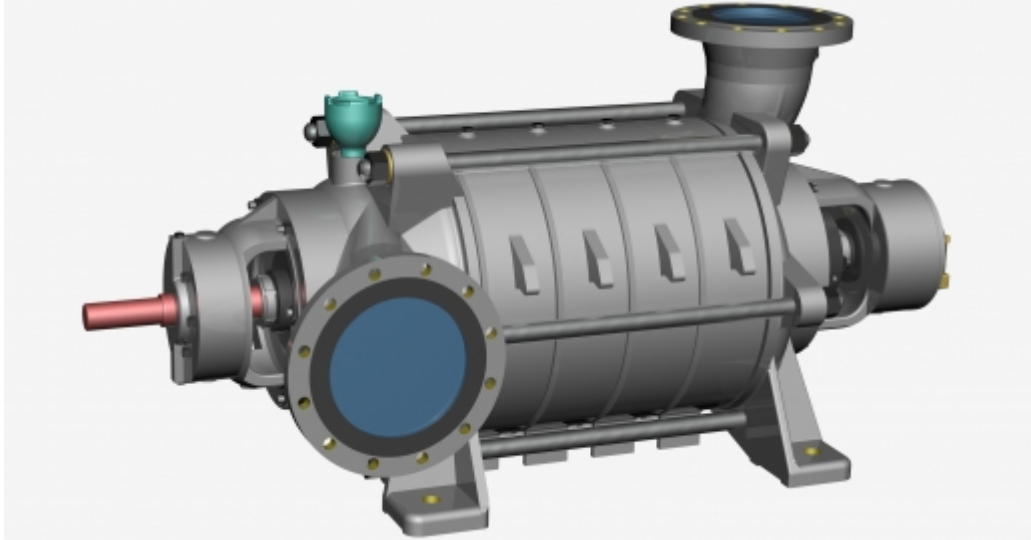


WPS-200M



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Catalog



2D



3D

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PUBLICATION - 2017-11-07

TYPICAL APPLICATIONS

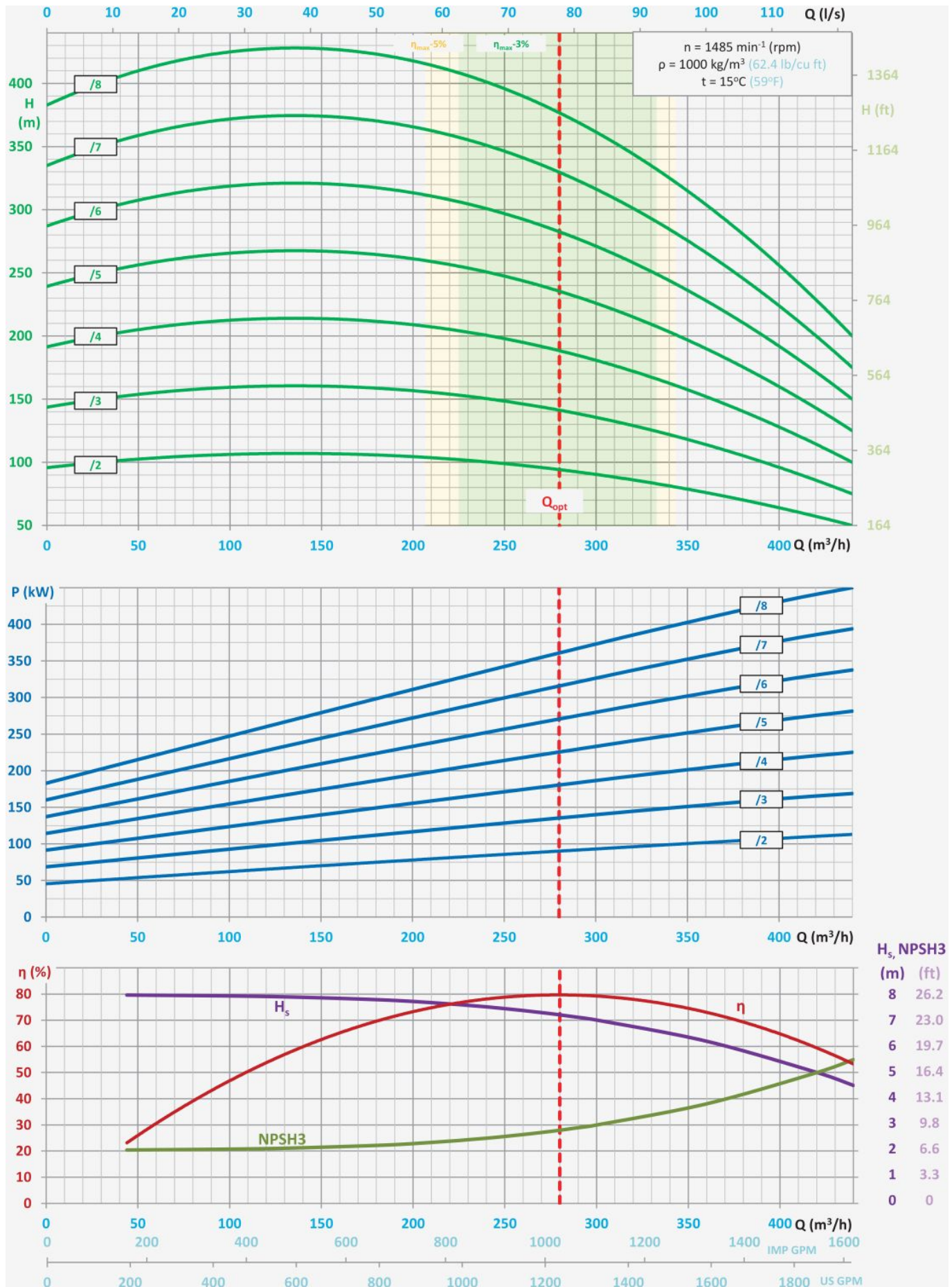
- pumping of pure or mechanically contaminated water with solids with the grain size of up to 2 mm,
- mining - longwall and auxiliary dewatering - WPS pumps intended to

- replace existing medium pressure drainage pumps,
 - water supply systems,
 - pressure boosting,
 - technological processes,
 - industrial systems,
 - filtration systems.
-

KEY ADVANTAGES

- **high efficiency,**
 - 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.
-

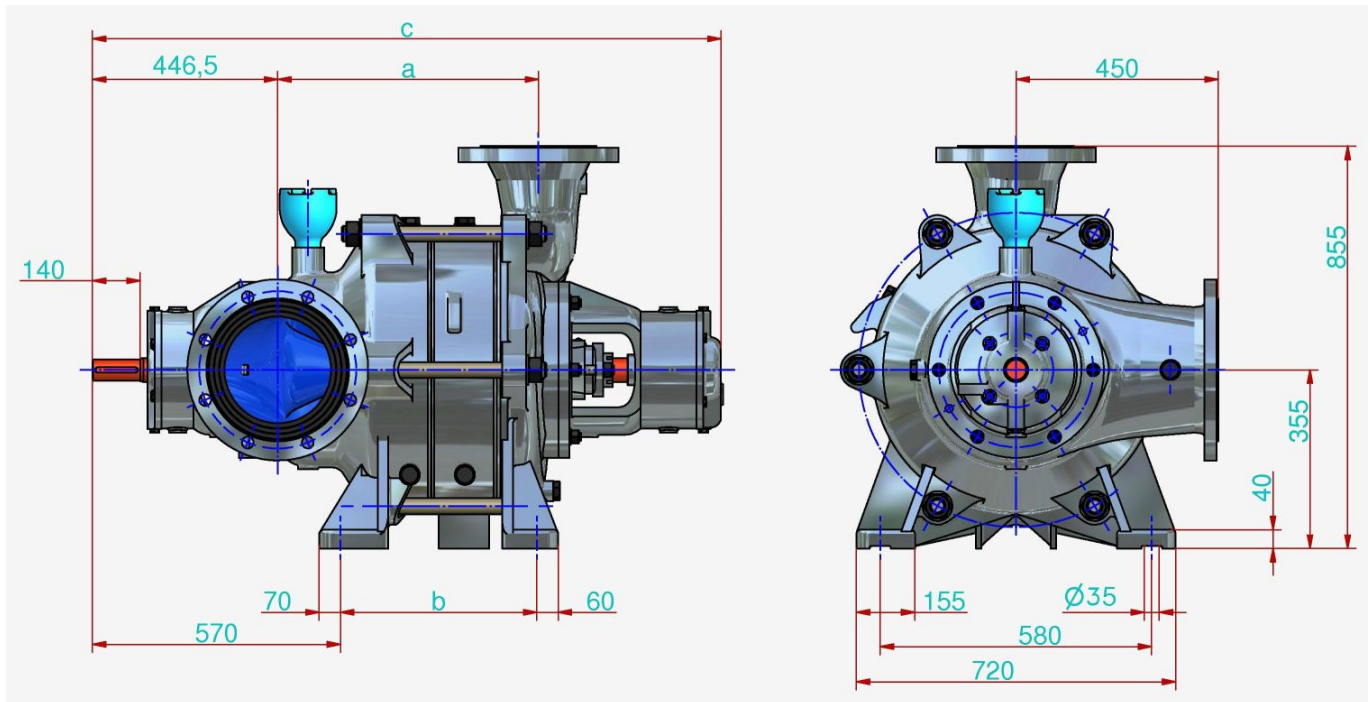
PUMP PERFORMANCE CURVE



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

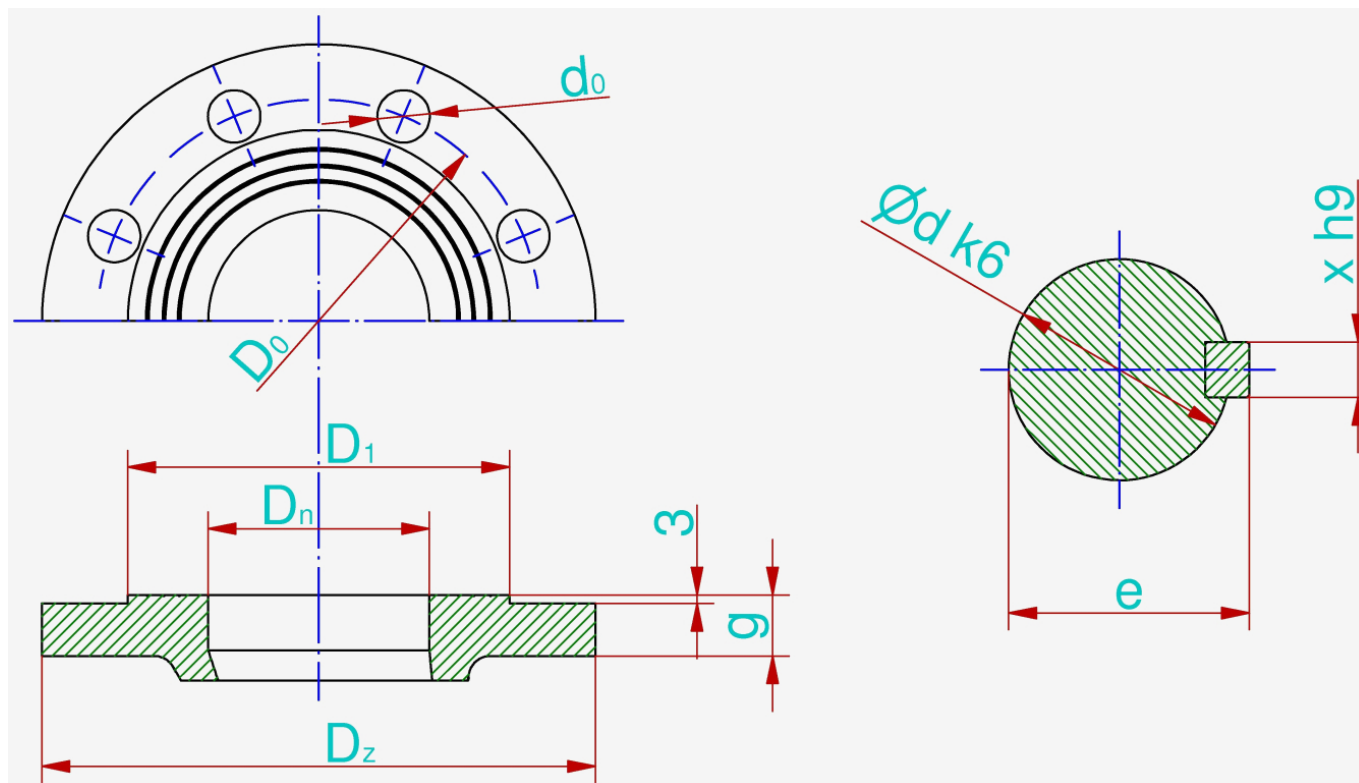
- $P = f(Q)$ - power input acc. to rate flow,
- $\eta = f(Q)$ - efficiency acc. to rate of flow,
- $H_s = f(Q)$ - allowable suction head acc. to rate of flow,
- $NPSH3 = f(Q)$ - net positive suction head and rate of flow.

MAIN DIMENSIONS OF PUMP



	Number of stages							
	2	3	4	5	6	7	8	
a	479	626	773	920	1067	1214	1361	mm
b	359	506	653	800	947	1094	1241	mm
c	1353	1500	1647	1794	1941	2088	2235	mm

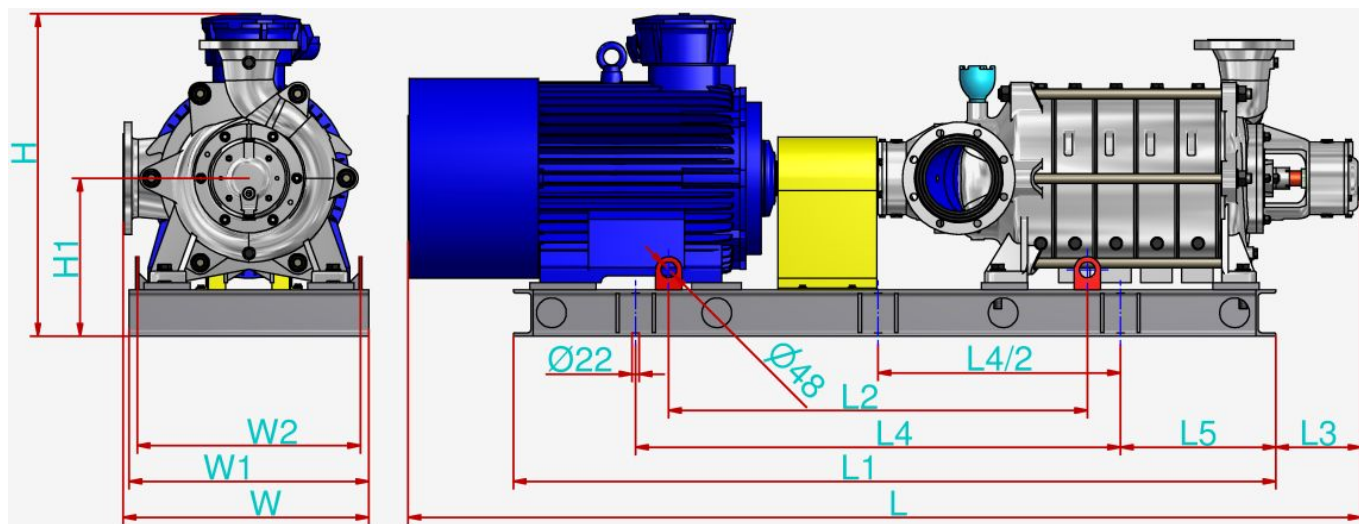
CONNECTION SIZES OF PUMP



	D_n	Number of stages	P_n	D_f	d_0	g	D_0	D_1	i	d	e	x
Suction connector	250	-	10	395	22	26	350	320	12	-	-	-
Discharge connector	200	2÷6	25	360	26	34	310	278	12	-	-	-
		5÷8	40	375	30	34	320	285	12	-	-	-
Shaft / coupling	-	-	-	-	-	-	-	-	-	60	64	18
	mm	-	bar	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	7	8	
L	2480	2800	3025	3505	3555	3700	3850	mm
L ₁	1910	2165	2395	2865	3115	3240	3390	mm
L ₂	1090	1250	1360	1665	1805	1865	1940	mm
L ₃	299					322		mm
L ₄	1285	1445	1560	1860	2000	2060	2135	mm
L ₅	310	385	455	560	605	665	740	mm
W	875	875	875	875	920	920	920	mm
W ₁	850	850	850	850	935	935	935	mm
W ₂	790	790	790	790	875	875	875	mm
H	1039	1039	1039	1069	1074	1074	1074	mm
H ₁	539	539	539	539	584	584	584	mm
Weight	1815	2040	2215	3470	4010	4710	4585	kg
Coupling type (Rex Viva)	V245	V290	V290	V290	V365	V365	V365	-
Motor type (Celma)	dSg 315 S4-EP	dSg 315M4B-EP	dSg 315L4-EP	Sh 355 H4C	Sh 355 H4D	Sh 400 H4B	Sh 400 H4C	-
Motor power	110	160	200	250	315	355	400	kW
Motor weight	810	890	1040	2160	2280	2920	3110	kg

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