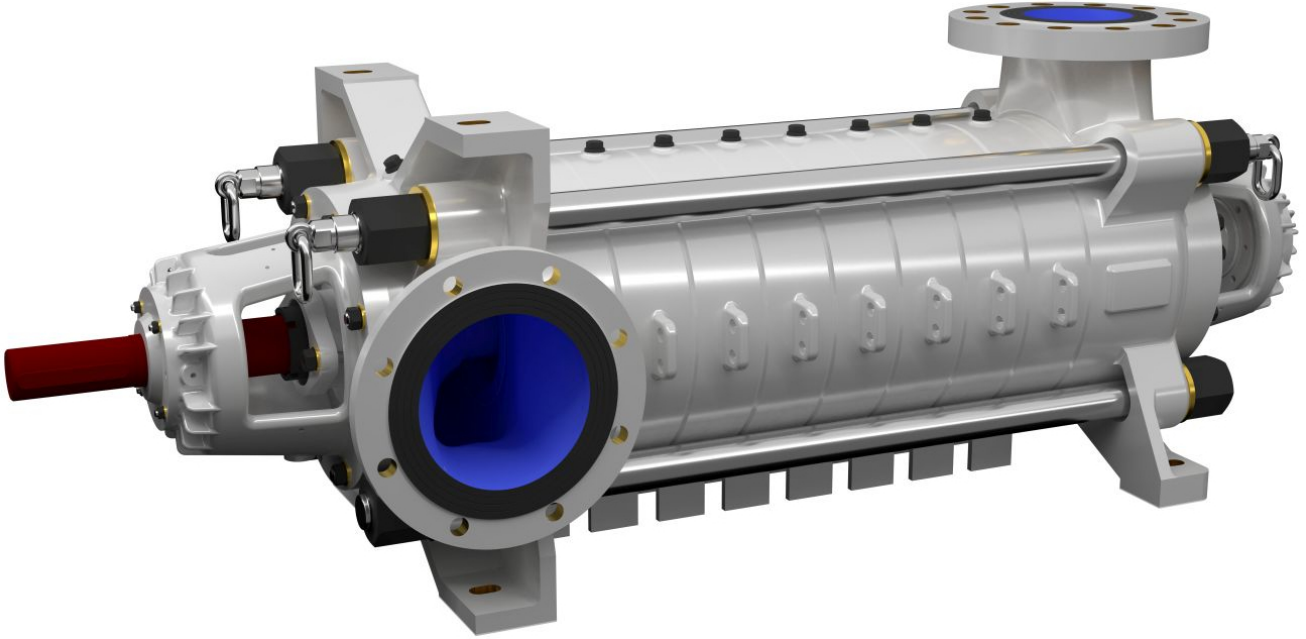


WPWE-100R



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PUBLICATION - 2017-11-07

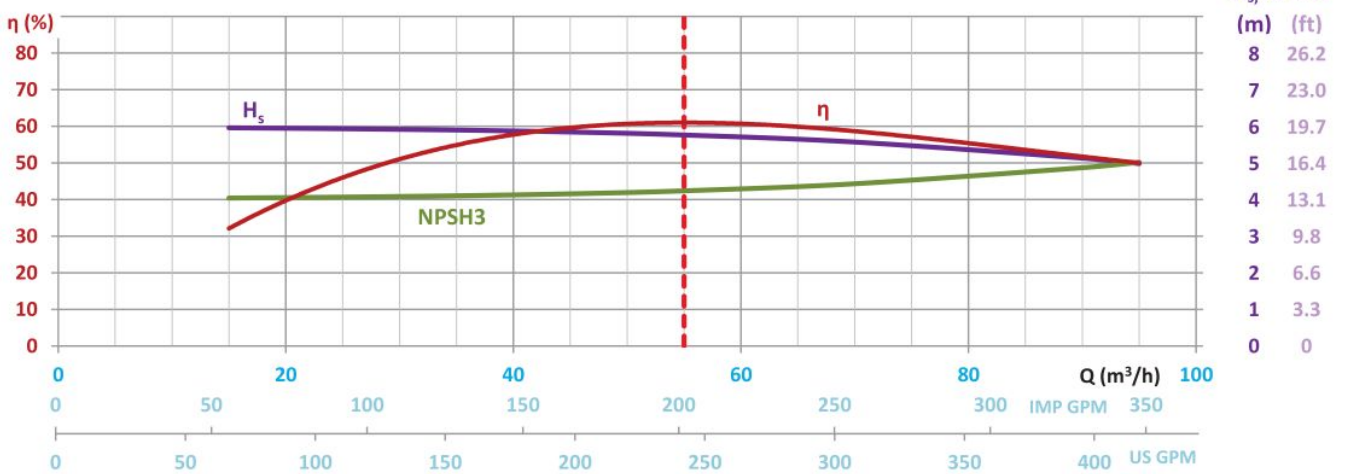
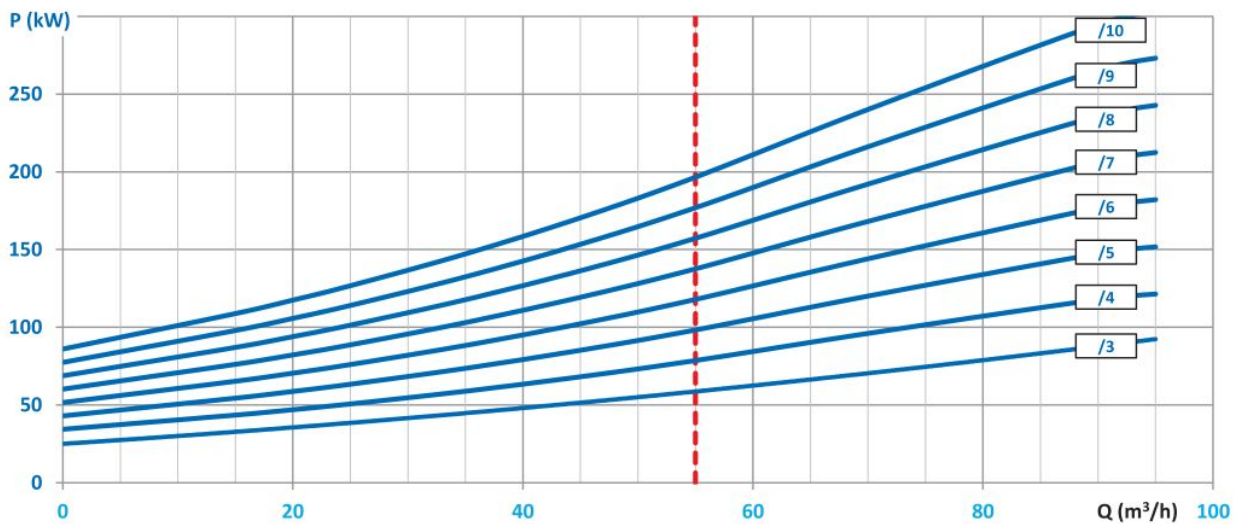
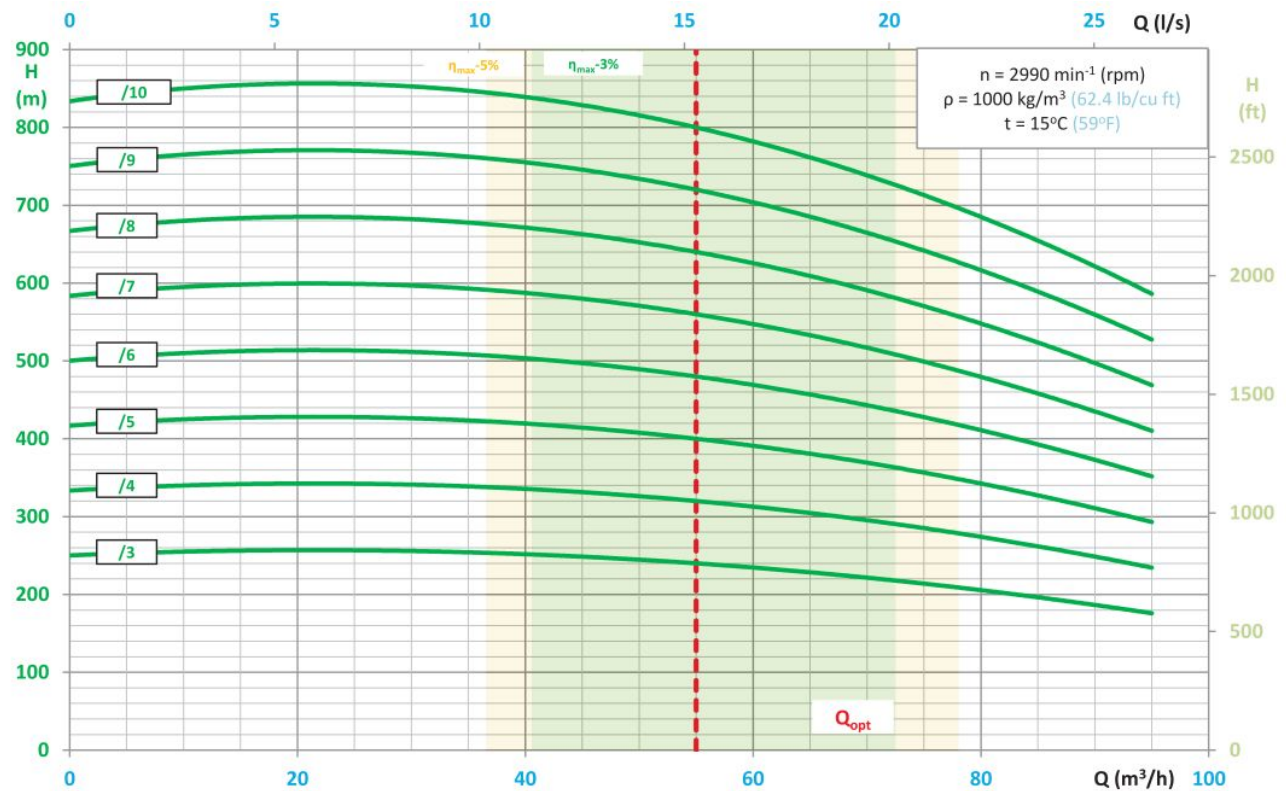
TYPICAL APPLICATIONS

- mining – main and auxiliary dewatering,
 - industrial systems,
 - technological processes,
 - pressure boosting,
 - pumping of pure or mechanically contaminated water with solids with the grain size of up to 2 mm,
 - coal, copper, salt mines and others.
-

KEY ADVANTAGES

- new improved design with increased efficiency
 - long life ensured by the use of state-of-the-art corrosion and erosion resistant materials (saltresistant workmanship),
 - special material execution DUPLEX especially resistant to difficult conditions,
 - possibility to use an electronic system of the balance disk wear monitoring,
 - approved for operation in explosion-hazard zones – ATEX Ex I M2.
-

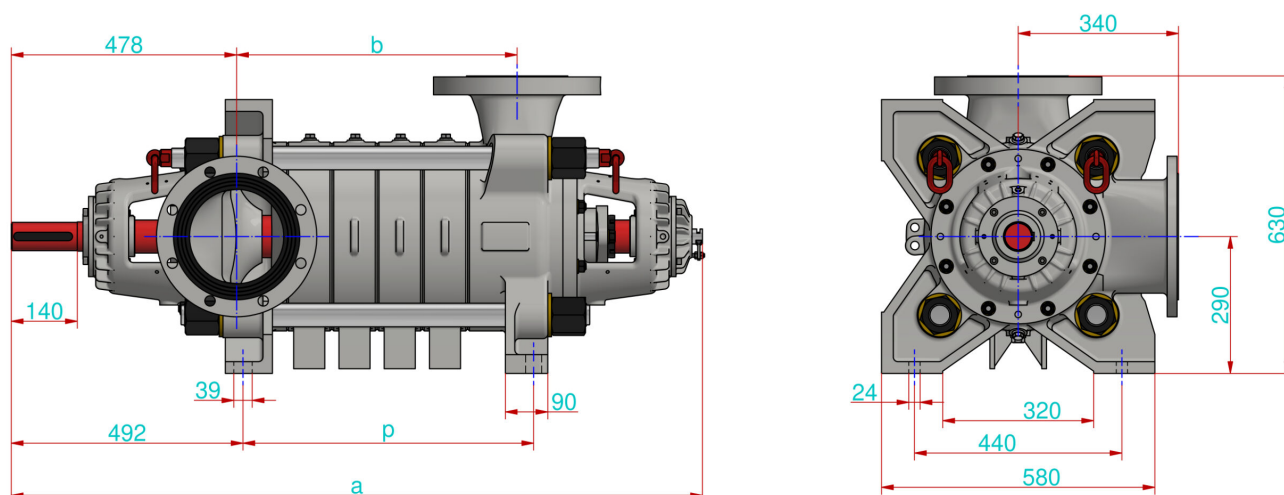
PUMP PERFORMANCE CURVE



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

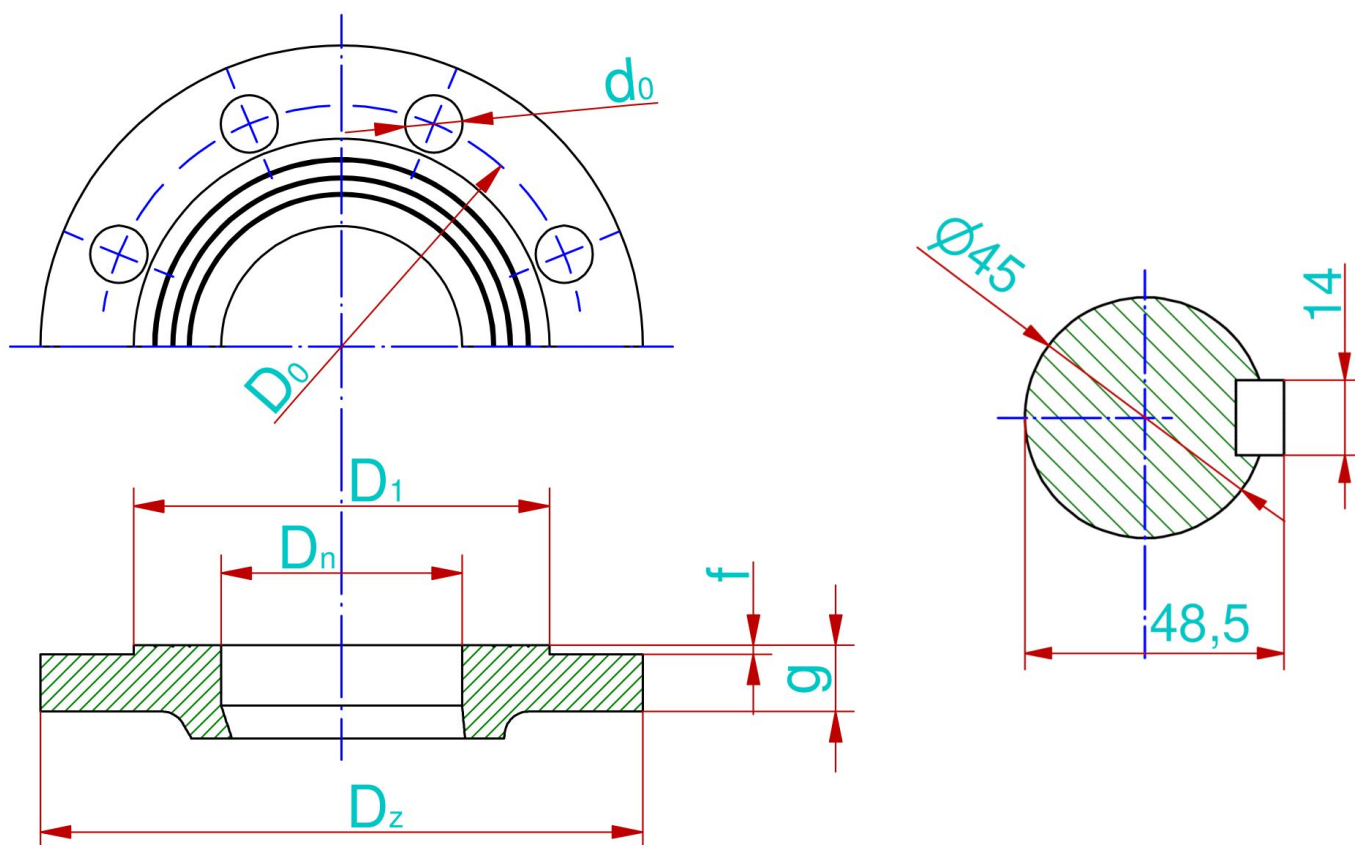
- $P = f(Q)$ - power input acc. to rate flow,
- $\eta = f(Q)$ - efficiency acc. to rate of flow,
- $H_s = f(Q)$ - allowable suction head acc. to rate of flow,
- $NPSH3 = f(Q)$ - net positive suction head and rate of flow.

MAIN DIMENSIONS OF PUMP



| Liczba stopni | | | | | | | | | | |
|---------------|------|------|------|------|------|------|------|------|------|----|
| | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| a | 1198 | 1288 | 1378 | 1468 | 1558 | 1648 | 1738 | 1828 | 1198 | mm |
| b | 358 | 448 | 538 | 628 | 718 | 808 | 898 | 988 | 358 | mm |
| p | 350 | 440 | 530 | 620 | 710 | 800 | 890 | 980 | 350 | mm |

CONNECTION SIZES OF PUMP



| | D_n | P_n | D_z | d_0 | g | f | D_0 | D_1 | i |
|--|-------|-------|-------|-------|-----|-----|-------|-------|-----|
| Króciec ssawny | 150 | 10 | 285 | 22 | 22 | 2 | 240 | 212 | 8 |
| Króciec tłoczny PN40 (3-4 stages) | 100 | 40 | 235 | 22 | 26 | 2 | 190 | 162 | 8 |
| Króciec tłoczny PN63 (5-6 stages) | 100 | 63 | 250 | 26 | 32 | 2 | 200 | 162 | 8 |
| Króciec tłoczny PN100 (7-10 stages) | 100 | 100 | 265 | 30 | 36 | 2 | 210 | 162 | 8 |
| | mm | bar | mm | mm | mm | mm | mm | mm | szt |

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

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