

# 6" borehole pump dpu

dp pumps



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the dynamics of water



# DPU: Groundbreaking efficiency and durability

Dutch leading manufacturer of vertical stainless steel pumps, DP-Pumps, introduces the groundbreaking 6" borehole pump: DPU.

## 50 years of experience that count

DP-Pumps has more than 50 years of experience in high-grade centrifugal fluid pumps. This experience was gained during the successful production and sales of the world-wide highly appreciated vertical pump DPV. By using our experience to constantly innovate our products, we have developed into the specialist in the field of sheet metal pumps. We have the knowledge and the equipment to develop and produce highly innovative hydraulic designs. With the introduction of the DPU, this specialism is now made available in the borehole pump segment.

## High efficiency; low life-cycle costs

By using our experience in hydraulics and the latest developments in laser welding technology, the hydraulic assembly of the DPU assures very high efficiency rates. The construction of impeller and diffuser is optimized for the use with frequency converters. When life-cycle costs are important to you, the DPU is the right choice.

## Smart design

The smart construction of the DPU results in a pump consisting of less parts. This results in a lighter, service-friendly pump that requires less spare parts in stock. A modular connection on the discharge side of the pump enables easy adaptation to the discharge line.

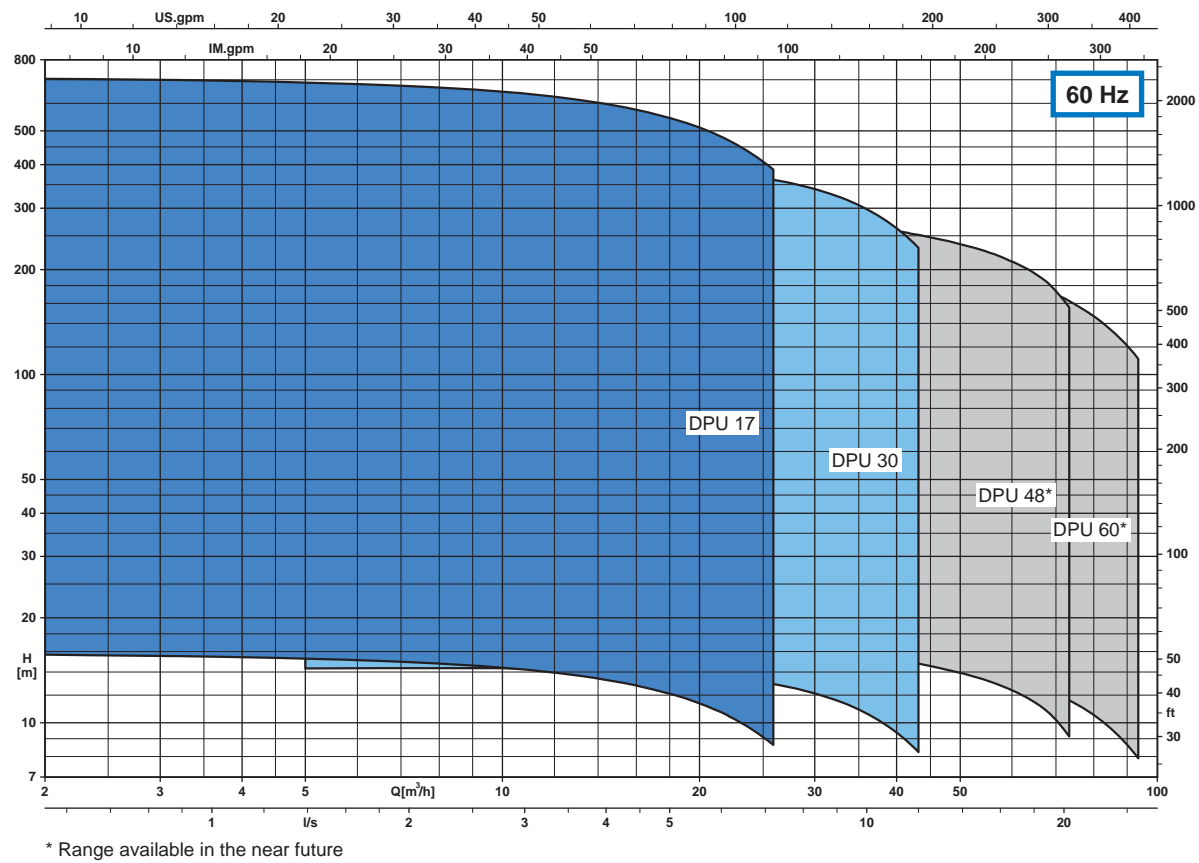
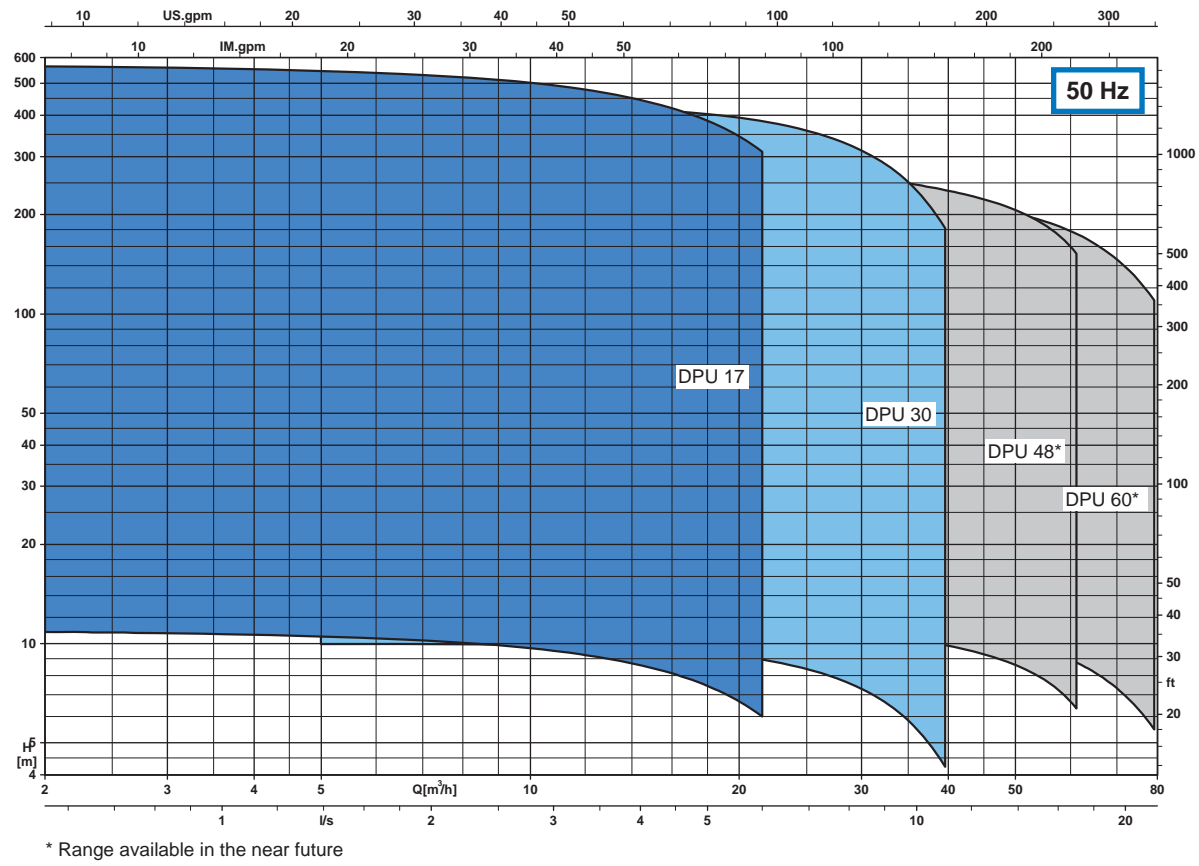


## High grade materials

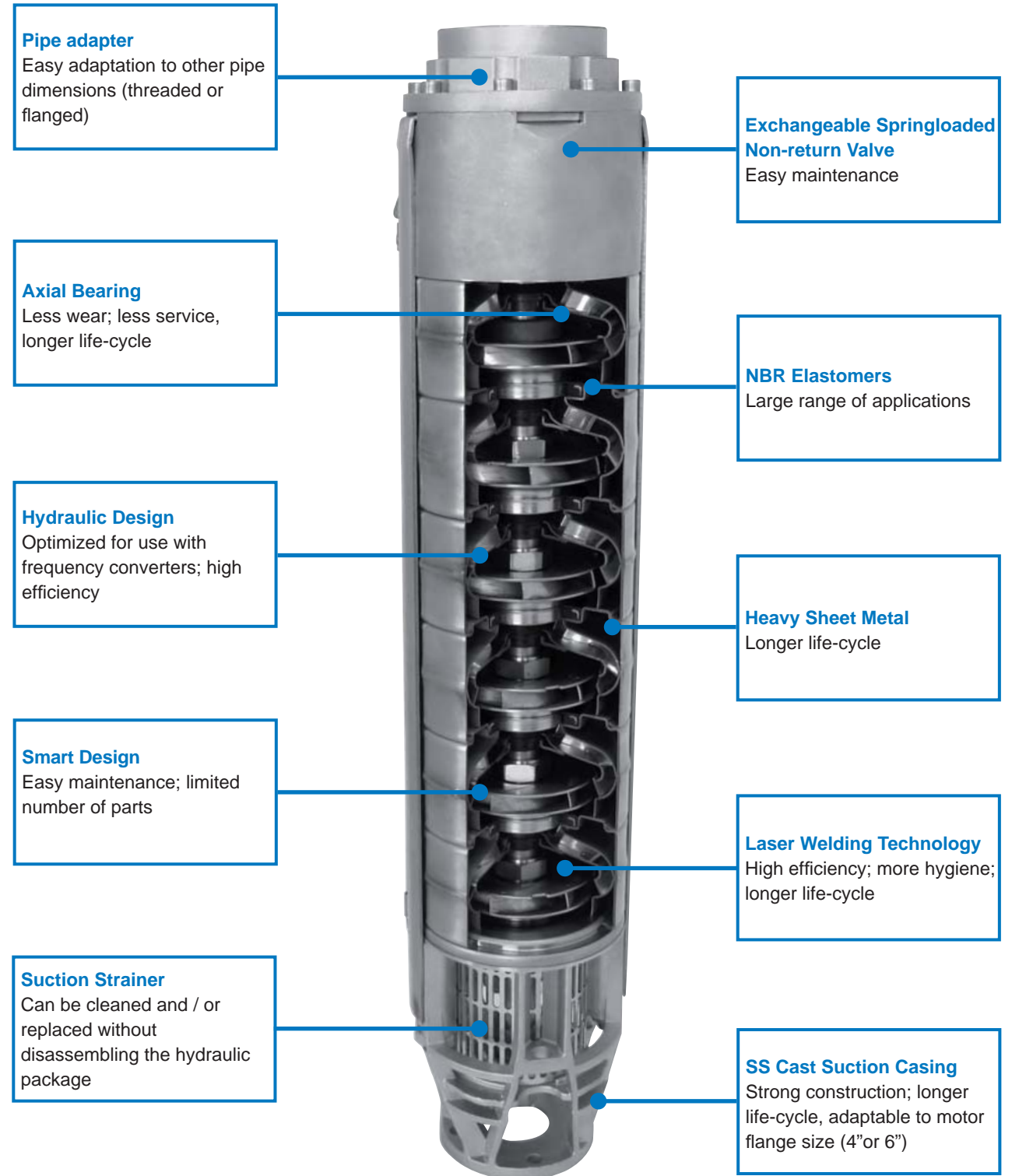
The use of stainless steel results in a light, wear resistant pump. Cast stainless steel is used for the suction casing. The standard stainless steel is AISI 304. For more corrosive conditions, the DPUS, made out of stainless steel AISI 316 was developed. The application of NBR for the sealing of the pump makes the pump suitable for a wide range of applications.



# Performance range



# Unique technical features



# One solution for many applications

The DPU is completely constructed out of high grade materials such as stainless steel and NBR elastomers. The pump is therefore suitable for a wide range of applications. The DPUS is made of a higher grade stainless steel (AISI 316), making the pump suitable for more corrosive conditions.

The pump is designed for well diameters of 150 mm (6") or more. Although being designed for vertical installation in narrow, deep holes, the pump is applicable in many other situations, for vertical as well as horizontal installation.

## The main applications

- Domestic and general water supply
- Irrigation systems
- Groundwater lowering
- Pressure boosting
- Fountains
- Air-conditioning systems
- Cooling water circulation
- Fire protection / Sprinklers
- Industrial applications



# Technical specifications

## Maximum capacity

- 50 Hz: 79 m<sup>3</sup>/h (348 GPM)
- 60 Hz: 93 m<sup>3</sup>/h (410 GPM)

## Maximum pressure

- 50 Hz: 573 m (1880 ft)
- 60 Hz: 730 m (2395 ft)

## Pumped medium

- Clean, low viscous, non-aggressive liquids without solid particles or fibres
- The DPUS is made of high grade stainless steel AISI 316 and therefore can handle more aggressive liquids

## Maximum temperature medium

- 60° C. (140° F.)
- Please consult technical documentation of motor supplier for the maximum allowable medium temperature

## Maximum sand content

- Up to 50 g/m<sup>3</sup> (50 ppm)

## Material

- All wetted parts: stainless steel AISI 304 (DPU) or 316 (DPUS)
- Elastomers: NBR (Buna N)

## Connections

- Threaded discharge adapters: G 2 ½, G 3 or G4
- Flanged discharge adapters: DN 50, DN 65, DN 80 or DN 100
- Suction casing: motor connections 4" or 6" (NEMA standard)

