

Axial and Mixed Flow Pumps

GRUNDFOS KPL/KWM

The Grundfos KPL and KWM range of pumps are built for high volume water handling. The KPL axial flow propeller pump is designed for the high flow at low head requirements of stormwater and other similar duty applications. The Turbulence Optimizer™ reduces turbulence in the gap between the pump volute and the column pipe, increasing efficiency by up to two percentage points. The KWM mixed flow pump carries many of the same features, but is designed for high flow at medium head.

Key Features and Benefits

- Includes the Turbulence Optimizer™, for best-in-class hydraulic efficiency of up to 86%
- High-voltage motors for low installation costs
- High-precision one piece propeller with back-swept design reduces clogging and solves the potential malfunctions from blade adjustment; the smooth design means rags and solids slide off the propeller
- Double mechanical cartridge shaft seal has a long life and is easily replaced during maintenance
- Patented cable entry with special sealing system to prevent water entering motor compartment
- Quick and easy inspection of the cable compartment, without disassembling most of the pump avoids handling of large, rigid cables and eliminates the risk of leakages when accessing the terminal boards
- Balanced lifting handle ensures perfect support when lifting the pump without the risk of damage during installation and has a built-in cable support to prevent damage of the cable during operation.
- Propeller in stainless steel is standard; other materials available on request
- Sensors for monitoring the pump: bearing and winding temperature, vibrations and water in oil are available

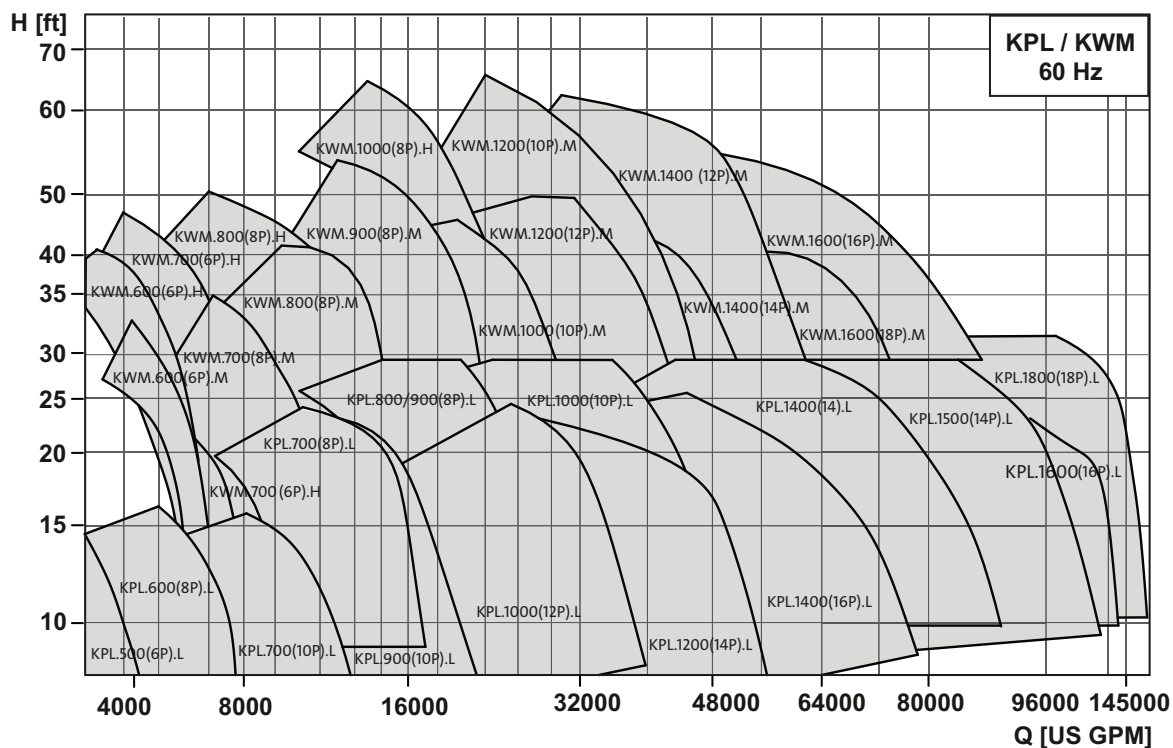


APPLICATIONS

- Raw water intake
- Large volume drainage and irrigation
- Stormwater control
- Water transport

KPL/KWM Technical Data

KPL/KWM Information	
Flow, Q:	max. 146,000 gpm
Head, H:	max. 66 ft tdh
Liquid temp.:	32°F to 104°F
Motor size:	14.7 to 1080 hp
Discharge diameter:	max. 88 in.
Insulation class:	max. 250 psi
Hydraulic Efficiency:	max. 86%



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