

# HEAVY DUTY SLURRY PUMPS

K-L™ LOW HEAD HORIZONTAL PUMP



# HEAVY DUTY SLURRY PUMPS DESIGNED FOR THE EFFICIENT PUMPING OF HIGH FLOWS AT LOW TO MEDIUM HEADS

## KETO PUMPS VERSATILE SOLUTIONS

K-L™ Heavy Duty Horizontal Pumps have been developed for continuous use in slurry applications where low to medium developed head is required, designed for lighter slurry densities up to 1,35. Shares proven unique design features with the K-HS™ pump range.

A key feature is the K-HEE™ severe duty high efficiency impeller, engineered with the latest hydraulic and wear technologies for high efficiency and increased wear life. With a range of genuine KETO parts and different material combinations the K-L™ Low Head Horizontal pump has the versatility to ensure the most appropriate pumping solution provided for any given application.

## TECHNICAL DATA

- **Range from:** 25 mm (1") to 250 mm (10")
- **Flow rates to:** 1,550 m<sup>3</sup>/h (6,825 USgpm)
- **Total head to:** 50 m (164 ft)
- **Pressures to:** 2100 kPa, (305 psi)
- **Material options:** chrome iron, various elastomer's
- **Specialist materials available on request for highly acidic or caustic duties**

## TYPICAL APPLICATIONS

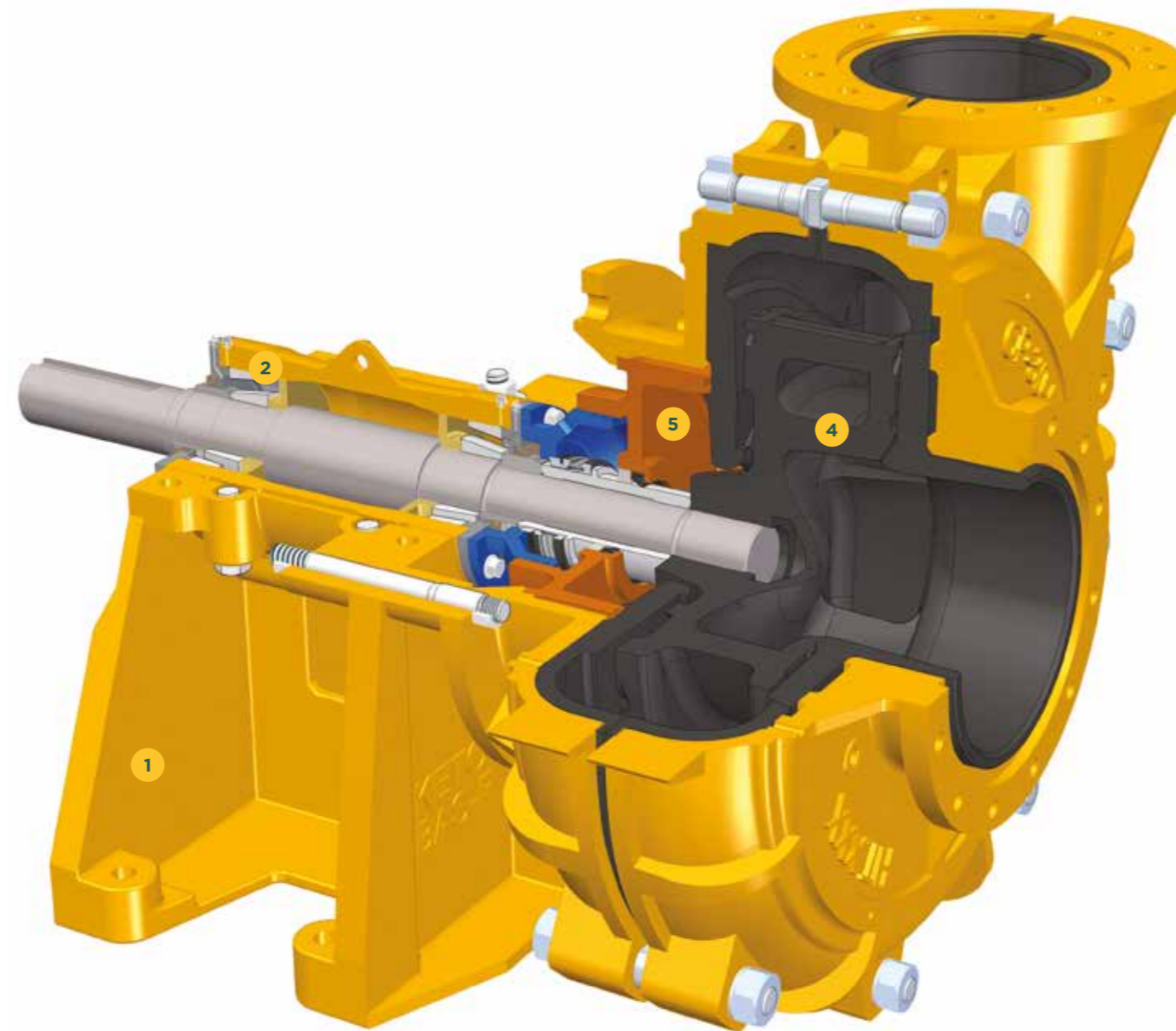
- Mineral processing
- Chemical processing
- Coal preparation
- Effluent handling
- Gravel & sand



# KETO K-L™ LOW HEAD HORIZONTAL PUMP

## - FEATURES & BENEFITS

- 1 HEAVY DUTY BASE**
  - Heavy duty one piece frame with lifting points for easy maintenance
- 2 K-IBA™ HEAVY DUTY BEARING ASSEMBLY**
  - Easy to maintain cartridge style bearing assembly
  - Modern bearing seals for increased reliability
  - Patented grease and oil flinger allows a simple choice of oil or grease lubrication
  - Bearing assembly can be replaced in-situ
  - Various material options available including carbon steel and stainless steel
- 3 SINGLE PIECE SLEEVES**
  - Single piece allows for easy maintenance and removal
  - Sleeves are available in ceramics or metal, including our solid Karbide™ shaft sleeve for long wear life
  - Extended replacement intervals
  - O-ring seals protect from abrasive/corrosive contaminants
  - Expanded sealing options
- 4 K-HEE™ SEVERE DUTY HIGH EFFICIENCY IMPELLER**
  - KETO K-HEE™ reduces throat bush wear
  - Improved hydraulics for higher efficiency
  - Lower NPSHR and increased wear life
  - Superior resistance to recirculating flows, twisted vanes enable better eye inlet conditions, controlling flow paths
  - Multi-purpose design allowing reduced inventory requirements



- 5 K-ISS™ MECHANICAL SEAL (EXTERNAL FLUSH)**
  - Mechanical seal situated in clean water, not in contact with slurry, significant reduction in wear and reduced inventory
  - Requires less maintenance than other sealing options
  - Fitted with a flow control valve, low water consumption, available in both single and double seal options
  - Hydrocarbon free (gland water barrier fluid)
- 6 LINERS**
  - Thick section volute liners and frame plate liner inserts for superior corrosion resistance and high efficiency
  - Allows ease of fitting multiple liner materials, including hard metal, thick section rubber or polyurethane
  - Liners are bolted to allow for quick and easy maintenance
  - Separate volute seal allows easier installation of parts
  - Cast Lifting Points replace threaded points that corrode over time
- 7 POLYCARBONATE WINDOW BELT GUARD**
  - Tool free inspection
  - Transparent case allows for easy maintenance and inspection of belt condition



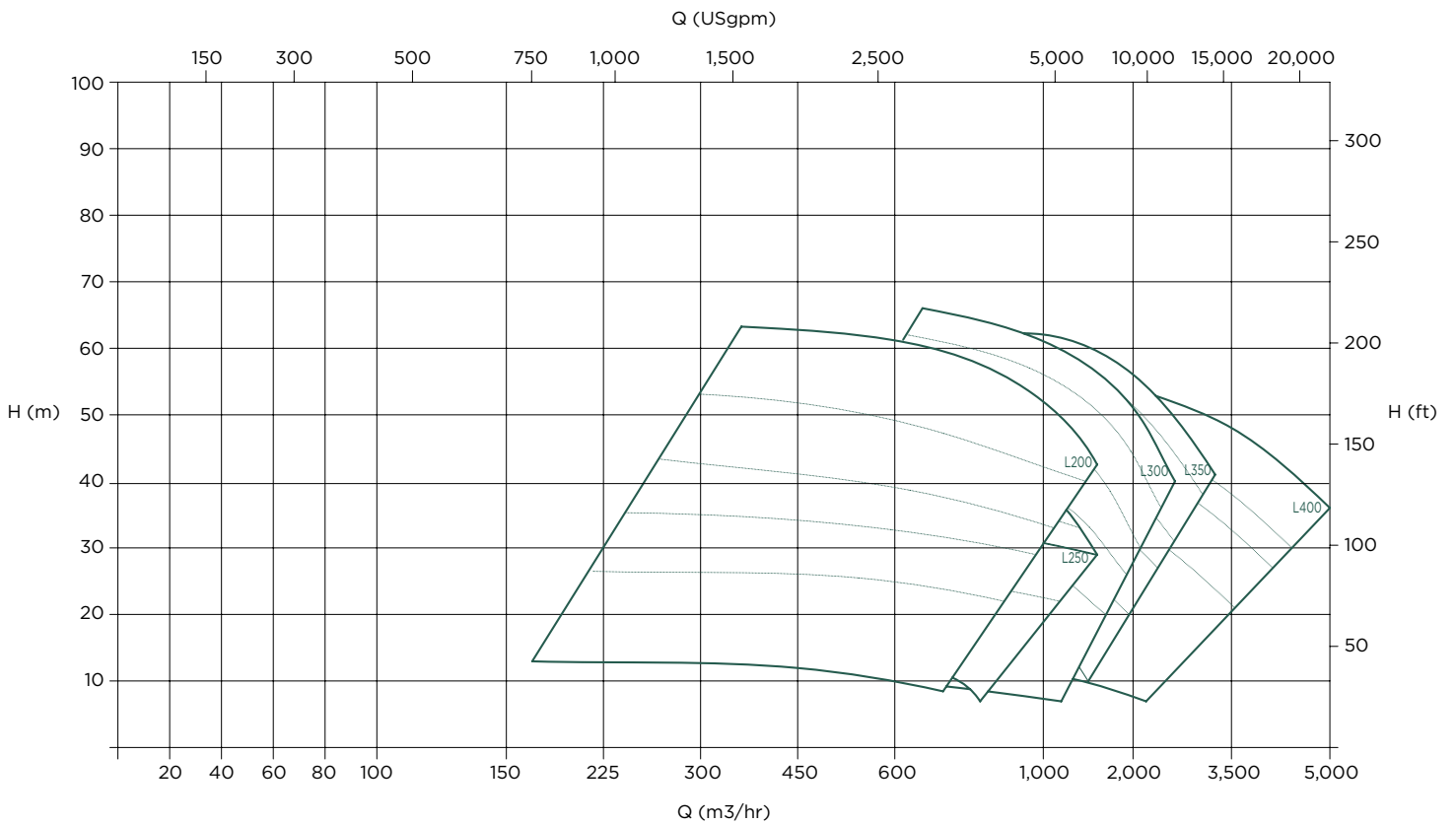
KETO Pumps offer a wide range of configurations allowing the pump to be tailored to a specific application

WET END MATERIALS	IMPELLER	BEARINGS	SEAL ARRANGEMENT
<b>Choice of:</b> <ul style="list-style-type: none"> <li>• Natural Rubber</li> <li>• WI05 27% Chrome</li> <li>• UR01 Urethane</li> <li>• Specialist materials on request</li> </ul>	<b>Choice of:</b> <ul style="list-style-type: none"> <li>• K-HEE™ severe duty high efficiency</li> <li>• High efficiency</li> <li>• Heavy duty</li> </ul>	<b>Choice of:</b> <ul style="list-style-type: none"> <li>• K-IBA™ heavy duty</li> <li>• Light duty</li> </ul>	<b>Choice of:</b> <ul style="list-style-type: none"> <li>• K-ISS™ mechanical seal</li> <li>• Packed gland</li> <li>• Expeller seal</li> </ul>

\*Standard range shown above, specialist engineered units are available on request.

# STANDARD HYDRAULIC RANGE CHART

## K-L™ LOW HEAD HORIZONTAL PUMPS RANGE COVERAGE CHART



## DRIVE ARRANGEMENTS

### CR/CL DRIVEN

- For applications where height or overhead spaced is limited

### CV DRIVEN

- For applications where floor space or area is limited

### ZV DRIVEN

- Used in installations where the selected motor is too large to be CV (overhead) mounted



8 rotations of 22.5 degrees available on discharge flange for all K-L™ drive arrangements

FOR MORE INFORMATION PLEASE VISIT [KETOPUMPS.COM](http://KETOPUMPS.COM)  
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