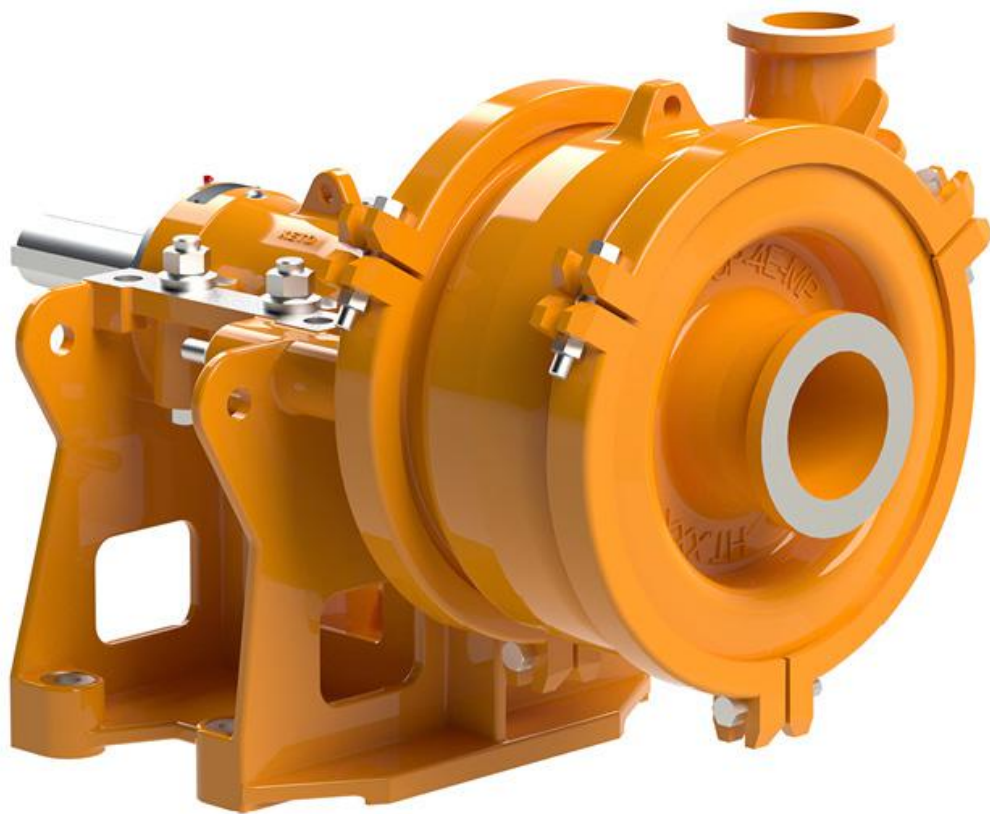


# HEAVY DUTY SLURRY PUMPS

K-MP™ SOLID CASE HORIZONTAL PUMP



# KETO HEAVY DUTY SLURRY PUMPS DESIGNED FOR THE MOST ARDUOUS PUMPING APPLICATIONS

## KETO PUMPS VERSATILE SOLUTIONS

A versatile pump with the ability to be adapted to suit several applications. Can significantly reduce power consumption, lower operational costs and increase production.

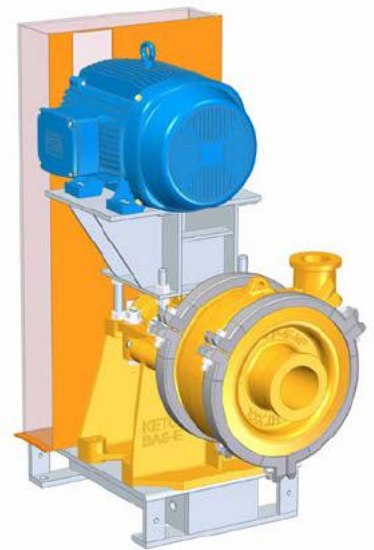
The K-MP™ heavy duty solid case horizontal slurry pumps range in size from 50mm (2") to 150mm (6"). The all-metal unlined pump range integrates our advanced pump upgrade wet end wear components. The casing, impeller and liner have been optimised to provide low wear while delivering outstanding efficiency over a wide range of medium to heavy slurry applications. With many unique features, the K-MP™ pump is easy to maintain and is designed to offer the lowest cost of ownership.

## TECHNICAL DATA

- **Range from:** 50 mm (2") to 150 mm (6")
- **Flow rates to:** 1,150 m<sup>3</sup>/hr (5,063 USgpm)
- **Total head to:** 85 m (278 ft)
- **Pressures to:** 800 kPa (116 psi)
- **Material options:** chrome iron
- Specialist materials available on request for highly acidic or caustic duties

## TYPICAL APPLICATIONS

- Tailings
- Slag granulation
- Cyclone feed
- Dewatering
- DMS circuits
- Dredging operations
- Coal washing





# KETO K-MP™ SOLID CASE HORIZONTAL PUMP

## - FEATURES & BENEFITS

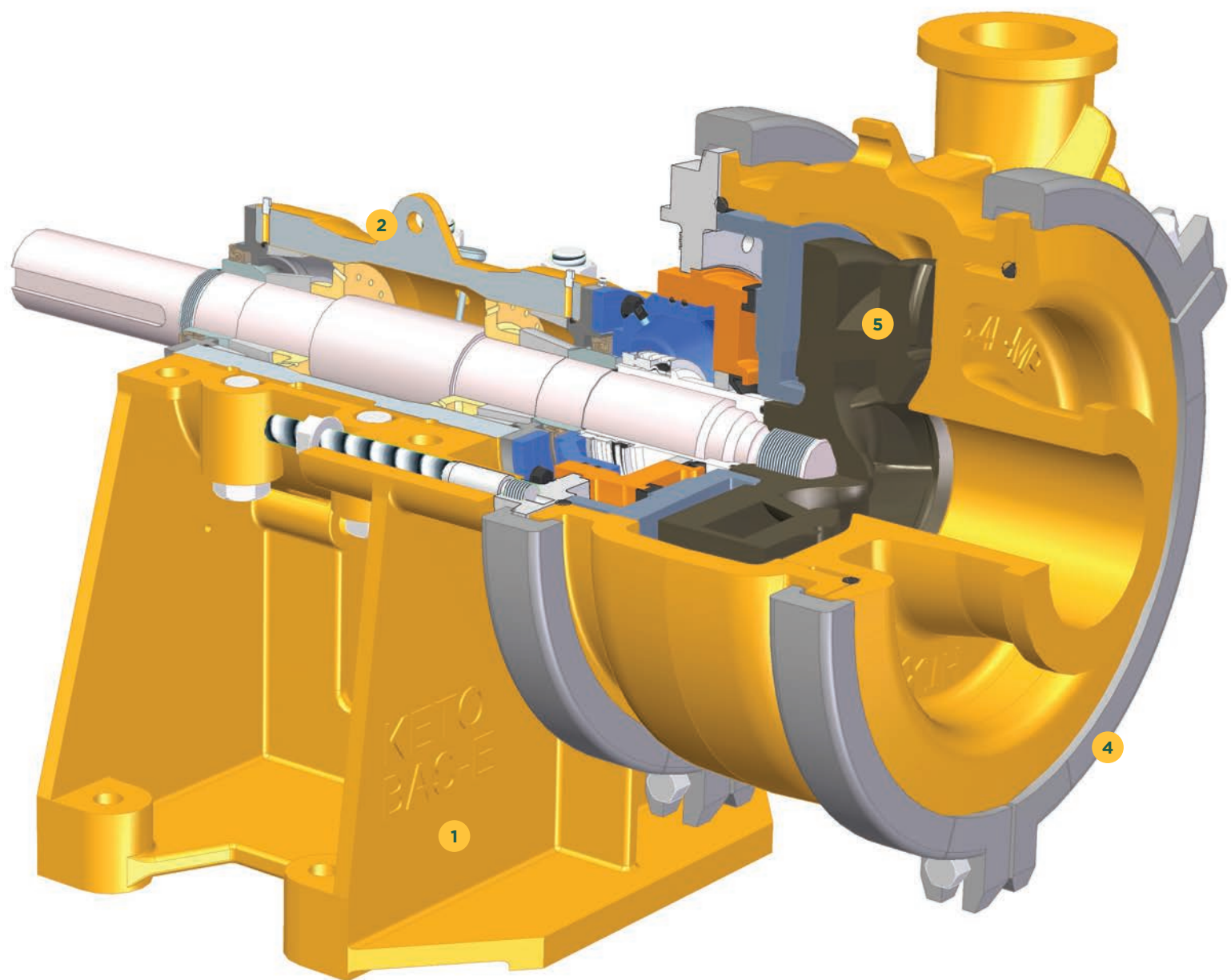
- 1

**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

**SEGMENTED VOLUTE CLAMP RING**
  - Rings require minimal maintenance time and cost
  - Allows casing rotation to any required angle, removing the need for expensive high wearing bends



- 5

**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
- 6

**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)
- 7

**POLYCARBONATE WINDOW BELT GUARD**
  - Tool free inspection
  - Transparent case allows for easy maintenance and inspection of belt condition



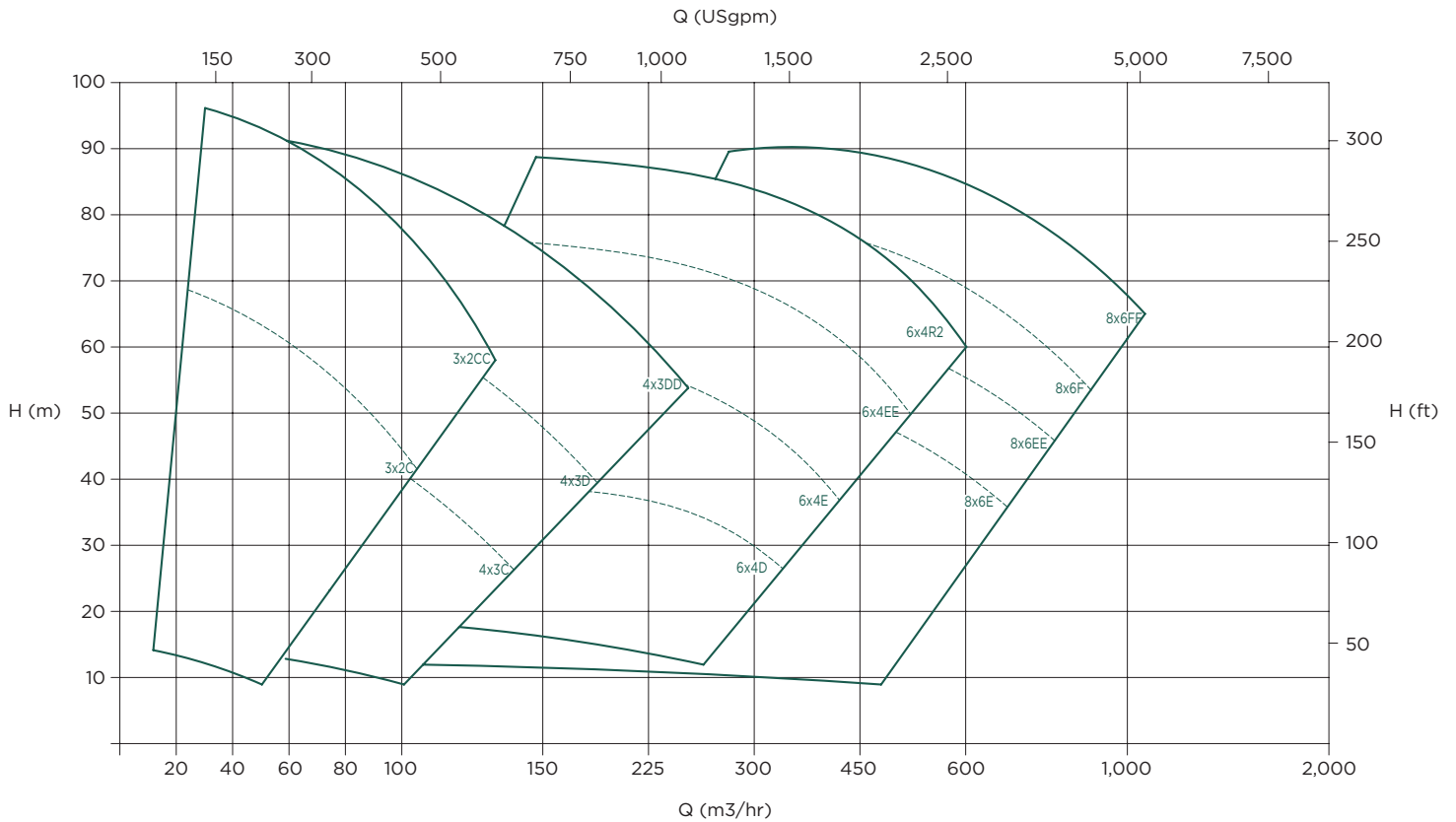
KETO Pumps offer a wide range of configurations allowing the pump to be tailored to a specific application

WET END MATERIALS	IMPELLER	BEARINGS	SEAL ARRANGEMENT
Choice of: <ul style="list-style-type: none"><li>• W105 27% Chrome</li><li>• Specialist materials on request</li></ul>	Choice of: <ul style="list-style-type: none"><li>• K-HEE™ severe duty high efficiency</li><li>• High efficiency</li><li>• Heavy duty</li></ul>	Choice of: <ul style="list-style-type: none"><li>• K-IBA™ heavy duty</li><li>• Light duty</li></ul>	Choice of: <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

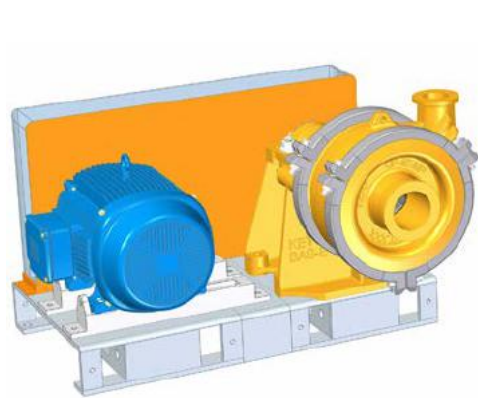
**K-MP™ SOLID CASE HORIZONTAL PUMPS RANGE COVERAGE CHART**



## DRIVE ARRANGEMENTS

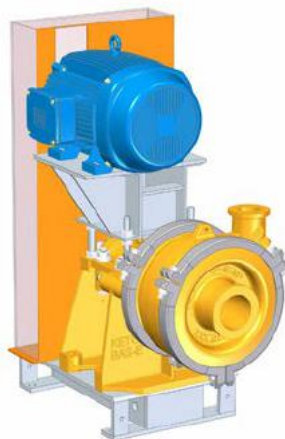
### CR/CL DRIVEN

- For applications where height or overhead spaced is limited



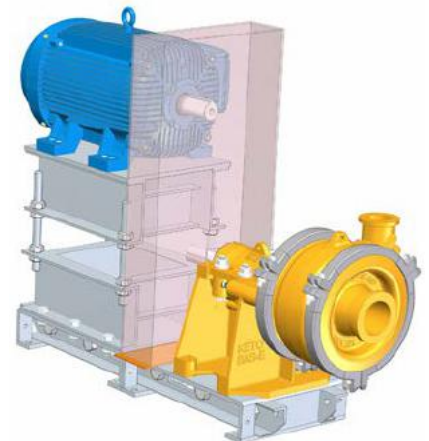
### CV DRIVEN

- 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



Infinite discharge flange orientations available on all K-MP™ drive arrangements

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FLUID CONTROL