



Self-Priming Pump for water and chemicals

The KEF is our self-priming pump used for handling water and chemicals in process and general industry applications.

It incorporates a separation and recirculation chamber at the pump discharge. As air-entrained liquid is pumped into this chamber, the air and liquid separate. The air passes through the discharge with the remaining liquid recirculating back to the pump volute, where it forms a seal between the impeller and pump casing. This process continues until all the air has been evacuated from the suction line, leaving only liquid its place. At that point, the pump is fully primed.

Primarily a horizontal unit, the KEF can be either frame mounted or closed coupled. Hydraulic performance extends to 750 GPM and 130 feet of head with all wetted parts in 316 stainless steel as the standard, off-the-self material. Common options include soft packing, single or double cartridge seals, and any type of seal flush plan.



The KEF is a pump of exceptional value, combining affordability with some of the most efficient hydraulics found in a pump of this type. Most importantly, as with all our other pumps, the KEF offers the reliability, low total life cost, and lasting value that has made Carver one of the most trusted names in pumps today.



Quality Management System Approval Certification Number 95-370h



STANDARD MATERIALS

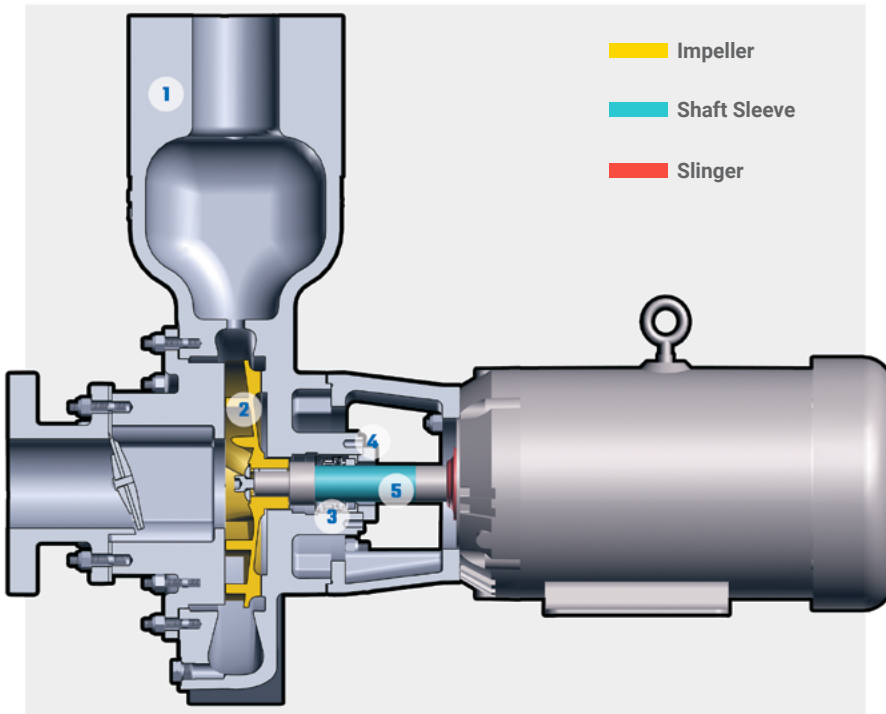
Casing	316 Stainless Steel
Impeller	316 Stainless Steel
Bearing Frame	Cast Iron
Shaft Sleeve	316 Stainless Steel
Mechanical Seal	Carbon on Ceramic or Silicon Carbide Faces

Other Materials Available Upon Request

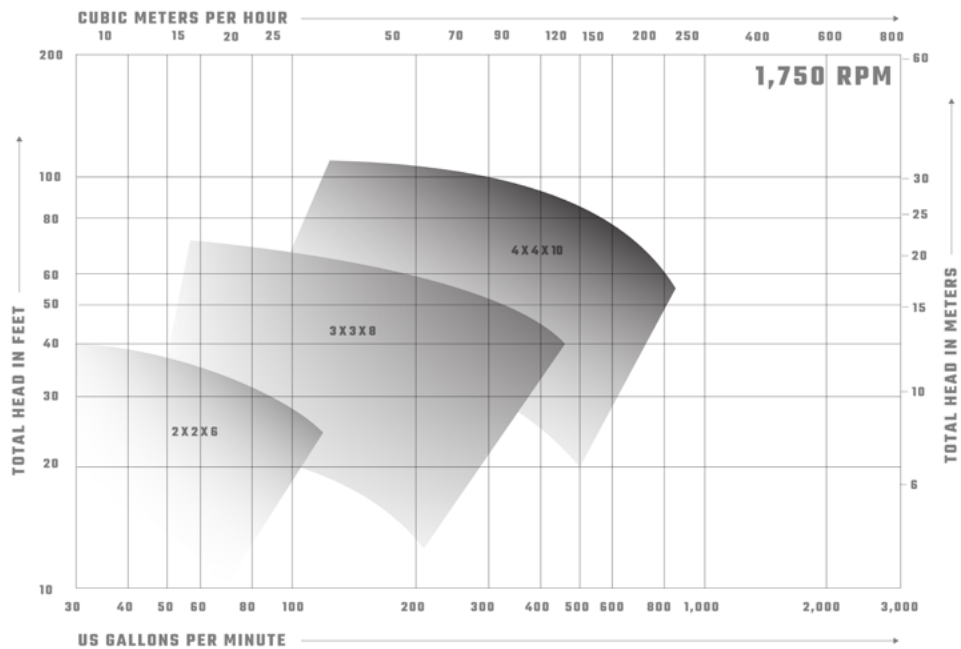
MECHANICAL DATA

Rotation	Clockwise as Standard
Flange Positions	3 Positions Available
Suction Flange	Class 300 ANSI R.F.
Discharge Flange	Class 600 or 900 ANSI R.F.
Bearings	Oil Lubricated





- 1 CASINGS**
Provided with one mounting dimension for all sizes
- 2 IMPELLER**
Semi-open impeller is designed for maximum efficiency and balance for vibration-free operation
- 3 STUFFING BOX**
Permits cool operation and accommodates packing, lantern ring, single or double mechanical seal
- 4 ONE OR TWO-PIECE GLAND**
split gland for easy repacking or a one-piece mechanical seal gland
- 5 SHAFT SLEEVES**
Stainless steel shaft sleeves as standard



HYDRAULICS

- Flows to 750 GPM (170 m³/hr)
- Heads to 130 feet (40 m)
- Solids to 1.0 in. (25 mm) diameter
- Temperatures from 250° F (-129° C)
- Speeds to 3,550 RPM

APPLICATIONS

- Bilage sewage transfer
- Chemical batch processing
- Hydrocarbon transfer
- Industrial water treatment
- Irrigation system supply
- Mine dewatering
- And other applications

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