



**KTV-SERIES  
SEMI-VORTEX - DEWATERING PUMPS**

**SPECIFICATIONS**

**■ FEATURES**

1. Semi-vortex, ductil cast iron impeller, suspends solids allowing for extraction.
- 2 Synthetic rubber casing increases wear resistance when pumpage contains abrasive particles.
3. Double inside mechanical seals with silicon carbide faces, running in an oil filled chamber and further protected by a lip seal running against a replaceable, 304 stainless steel shaft sleeve, provides for the most durable seal design available.
4. Highly efficient, continuous duty air filled, copper wound motor with class E insulation, minimizes the cost of operation.
5. Built in thermal & amperage sensing, protector prevents motor failure due to

overloading or accidental run - dry conditions.

6. Double shielded, permanently lubricated, high temperature C3 ball bearings rated for a B-10 life of 60,000 hours, extend operational life.

7. Top discharge, flow-thru design enables operation at low water levels for extended periods.

**■ APPLICATIONS**

1. Commercial, industrial dewatering and construction site drainage.
2. Sand & Gravel pit drainage.
3. Fly Ash water return.
4. Sediment removal from sumps or basins.



OIL LIFTER  
except in KTV2-8

**■ SPECIFICATIONS**

Discharge Size.....	2", 3" NPT (50, 80 mm)
Horsepower Range.....	1 ~ 7.5 HP (0.75 ~ 5.5 kW)
Performance Range Capacity.....	25 ~ 230 Gpm. (.09 ~ .87 m <sup>3</sup> /min)
Head.....	5 Ft. ~ 100 Ft. (1.5 ~ 30.4 m)
Maximum water temperature.....	104 °F. (40 °C.)
Materials of Construction	
Casing.....	Butadiene Rubber and Natural Rubber
Impeller.....	Ductile Cast Iron/Urethane Rubber
Shaft.....	403/420 Stainless Steel
Motor Frame.....	Aluminum alloy
Fasteners.....	304 Stainless Steel
Mechanical Seal	
Upper Seal.....	Ceramic/Carbon (1 Hp.) Silicon Carbide/Silicon Carbide (2 ~ 7.5 Hp.)
Lower Seal.....	Silicon Carbide/Silicon Carbide
Elastomers.....	NBR (Nitrile Rubber)
Impeller Type.....	Semi-vortex
Solids Handling Capability.....	1/3" (8.5 mm)
Bearings.....	Prelubricated, Double Shielded
Motor Nomenclature	
Type, Speed, Hz.....	Air Filled, 3600 Rpm, 60 Hz.
Voltage, Phase.....	208/230/460/575 V., 3 Phase
Insulation.....	Class E
Accessories.....	Submersible Power Cable 50' (15 m)
Operational Mode.....	Manual or Automatic (KTVE Series)

**■ STANDARD**

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**■ OPTIONS**

KTVE Series	1 ~ 5 HP (0.75 ~ 3.7 kW)
Length as Required	