

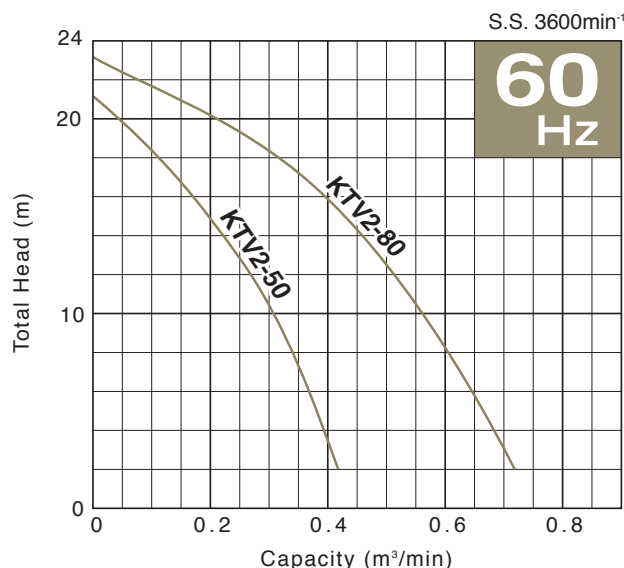
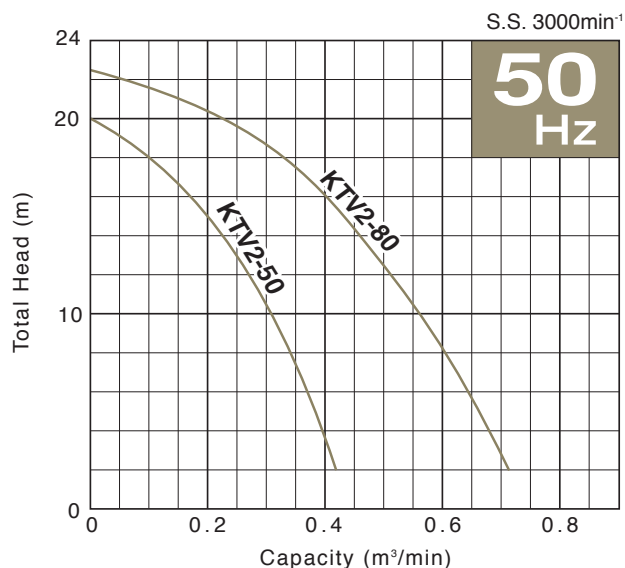
## Slurry pump that delivers powerful agitation for discharging slurries laden with silt, earth, sand or other particulate

The KTV-series of slurry-handling type is a submersible three-phase portable slurry pump. It is equipped with an agitator that assists smooth suction of the settled matters. Though the pump is a three-phase unit, it is designed to weigh lighter for portability, yet it can be used for pumping slurry. The pump parts such as the impeller and the pump casing are made of wear-resistant materials. The top discharge, side flow design assures efficient motor cooling even when it operates with its motor exposed to air. The slim design allows the pump to be placed in a confined space.

**KTV2-50**

**KTV2-80**


### Performance Curves



Discharge Bore mm	Model	Motor Output kW	Phase	Starting Method	Solids Passage mm	Dimensions L x H mm	Dry Weight* <sup>2</sup> kg	Cable Length m
50 (80)* <sup>1</sup>	<b>KTV2-50</b>	2	Three	D.O.L.	8.5	250 x 453	25	8
80 (100)* <sup>1</sup>	<b>KTV2-80</b>	3		D.O.L.	8.5	295 x 550	38	8

\*<sup>1</sup> Discharge bore in parentheses available upon request

\*<sup>2</sup> Weights excluding cable

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# Specifications KTV2 Agitator Pumps

## FEATURES

1. Semi-vortex, chromium iron casting impeller with agitator 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 (both top and bottom) running in an oil filled chamber equipped with an oil lifter and further protected by a lip seal running against a replaceable 304 (EN X6Cr13) stainless steel shaft sleeve provide 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. Top discharge, flow-through design enables operation at low water levels for extended periods.
6. Built in thermal and amperage sensing protector prevents motor failure due to single phasing, overloading or accidental run-dry conditions.
7. Double shielded, permanently lubricated, high temperature C3 ball bearings rated for a B-10 life of 60.000 hours provide for extended operational life.

## APPLICATIONS

1. Construction site drainage.  
Suitable for sludge, slurry, liquids containing mud
2. Sand and gravel pit drainage
3. Sediment removal from sumps or basins



## SPECIFICATIONS

Discharge Size.....	50mm - 80mm
Power output range.....	2kW - 3kW
Performance range.....	0,08m³/min - 0,65m³/min 4m - 23m
Maximum water temperature...	40°C
Materials of construction	
Impeller.....	Chromium iron casting
Agitator.....	Ductile iron casting
Casing.....	Synthetic rubber
Motor Frame.....	Aluminium alloy casting
Shaft.....	Stainless steel SUS403 (EN-X6Cr13)
Fasteners.....	Stainless steel SUS304 (EN-X5CrNi18-10)
Elastomers.....	NBR (Nitril Buna Rubber)
Mechanical Seal	
Primary Seal.....	Silicon carbide on silicon carbide
Secondary Seal.....	Silicon carbide on carbon
Impeller Type.....	Semi-vortex impeller
Solids handling capability.....	10mm
Bearings.....	Pre-lubricated, double shielded ball bearings
Motor.....	Air filled, 2850 rpm 400V / 50Hz, 3-phase Insulation class E



**Oil Lifter**  
2kW - 3kW

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