

Centrifugal Pump

Pump Applications

- Agriculture: water supply, pumping up, drainage

Pump Performance

- Pumping water up at high volume of water under suitable pressure. It can suction every kind of water without sticking of trash while it's working because of using impeller. It performs best for suction water into the well. In addition, it can be connected with either motor or engine.

Constructional Features

- Pump Body: Cast Iron
- Shaft: Carbon Steel
- Priming: Plastic
- Boost Compressing: To increase working efficiency of shaft and avoid running unevenly of engine, shaft has been compressed by the cast iron and brass boost for Kato Sery and Yamamoto Sery respectively.
- Suction cover with single impeller type



**Kato VR
Centrifugal
Pump
KVR-2 and
KVR-3**

Specifications:

	Suction-Supply Pipe (Inches)		Motor (Horse Power)	Water Supply Distance (Metres)		Water Vol. (Litres/Min.) (M3/Hr.)	
	2	3		9	12	10	13
KVR-2	2	2	2	9	12	400	23
KVR-3	3	3	10	750	45		
			13	400	24		



**Yamamoto VR
Centrifugal
Pump
YVR-2 and
YVR-3**

Specifications:

	Suction-Supply Pipe (Inches)		Motor (Horse Power)	Water Supply Distance (Metres)		Water Vol. (Litres/Min.) (M3/Hr.)	
	2	3		5	10	200	12
YVR-2	2	2-3	2-3	5	200	12	
YVR-3	3	5-6	5-6	10	300	18	

Please visit our website:
www.pumpvr.com
www.pumpktc.com



KITTIHAREON

Kitichareon is the premier pump manufacturer in Thailand. We are expertise in pump manufacturing for more than 30 years and KTC is our shortform.

The trusted KTC Pumps name can be found on a full range of pump products. KTC Pump is a local leader in producing pumps for the industrial sector, and a major player in the water technologies market, producing the leading line of residential water well pumps. KTC Pumps 's product portfolio includes centrifugal pump, hand-press pump, piston pump, etc.

KTC continues to lead its market segments through efficient high quality products designed to meet the vital needs of consumer and industries.



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Spike UMA Piston Pump

Pump Applications

- Agriculture: water supply, pumping up, drainage
- Home-used

Pump Performance

- This is a prototype pump, which has water supply booster. All pumps are manufactured under a perfect quality control system and high precision machines. The good design and manufacture result in high efficiency, strength, rigidity, accessibility and pleasing appearance.



**Spike UMA
Piston Pump
R43-S**

Specifications:

Suction-Supply Pipe (inch)	Motor (Horse Power)	Vertical Suction Distance (Metres)	Water Vol. (Litres/Hr.)	Piston (mm.)	Cylinder	
R43-S	1	1/3	13-15	1,700	43	Stainless Steel



**Spike UMA
Piston Pump
R41-G, R65-G,
R76-G, R103-G**

Specifications:

	R41-G	R65-G	R76-G	R103-G
Suction-Supply Pipe (Inches)	1	1 1/2	2	3
Motor (Horse Power)	1/3	1 1/2	1 1/2-2	10-15
Vertical Suction Distance (Metres)	13-15	13-15	13-15	13-15
Water Volume (Litres/Hr.)	1,500	6,000	7,000	25,000
Piston (mm.)	41	65	76	103
Cylinder	Brass	Brass	Brass	Brass

VR Piston Pump

Pump Applications

- Agriculture: water supply, pumping up, drainage
- Home-used

Pump Performance

- With the long haul portion and wider pump body, it is ideal for depth water suction and boosts the water supply in far area.



**VR Piston
Pump
PVR-49**

Specifications:

Suction-Supply Pipe (inch)	Motor (Horse Power)	Vertical Suction Distance (Metres)	WaterVol. (Litres/Hr.)	Piston (mm.)	Cylinder	
PVR-49	1	1/3-1/2	13-15	3,000-3,600	49	Brass

Construction Features:

Piston Rod: Cast Iron
Shaft: Stainless Steel
Valve Sheet: Brass
Congested Ball Cover: Brass
Coil Spring: Stainless Steel
Valve Congested Screw: Brass
Valve Plate: Stainless Steel
Crank: Carbon Steel
Ventilate Part: Brass
Prime Nut: Brass
Pulley: -



**VR Piston
Pump
PVR-53**

Specifications:

Suction-Supply Pipe (inch)	Motor (Horse Power)	Vertical Suction Distance (Metres)	WaterVol. (Litres/Hr.)	Piston (mm.)	Cylinder	
PVR-53	1	1/2-1	13-15	3,500-4,500	53	Brass

Construction Features:

Piston Rod: Brass
Shaft: Stainless Steel
Valve Sheet: Brass
Congested Ball Cover: Brass
Coil Spring: Stainless Steel
Valve Congested Screw: Brass
Valve Plate: Stainless Steel
Crank: Carbon Steel
Ventilate Part: Brass
Prime Nut: Brass
Pulley: -

**VR Piston
Pump
PVR-65**



Specifications:

Suction-Supply Pipe (inches)	Motor (HorsePower)	Vertical Suction Distance (Metres)	WaterVol. (Litres/Hr.)	Piston Cylinder (mm.)	
PVR-65	1-1/2	1-1/2	13-15	6,000-7,000 65	Brass

Specifications:

Suction-Supply Pipe (inches)	Motor (Horse Power)	Vertical Suction Distance (Metres)	WaterVol. (Litres/Hr.)	Piston Cylinder (mm.)	
PVR-76	2	1 1/2-2	13-15	9,000-10,000 76	Brass



**VR Piston
Pump
PVR-76**

Construction Features: PVR 65 and PVR 76

Piston Rod: Brass
Shaft: Stainless Steel
Valve Sheet: Brass
Congested Ball Cover: Brass
Coil Spring: Brass
Valve Congested Screw: Brass
Valve Plate: Brass
Crank: Carbon Steel
Ventilate Part: Brass
Prime Nut: Brass
Pulley: B-Design**

**B-Design pulley can use with either motor or engine



**VR Piston Pump
PVR-90**

Specifications:

Suction-Supply Pipe (inches)	Motor (Horse Power)	Vertical Suction Distance (Metres)	WaterVol. (Litres/Hr.)	Piston Cylinder (mm.)	
PVR-90	2	2-3	13-15	18,000-21,000 90	Brass

Construction Features:

Piston Rod: Brass
Shaft: Stainless Steel
Valve Sheet: Brass
Congested Ball Cover: Brass
Coil Spring: Stainless Steel
Valve Congested Screw: Stainless Steel
Valve Plate: Stainless Steel
Crank: Carbon Steel
Ventilate Part: Brass
Prime Nut: Brass
Pulley: B-Design**

**B-Design pulley can use with either motor or engine

VR Lucky Hand-Press Pump

Pump Applications

- Agriculture: water suction, water priming from well into centrifugal pump, suction water for small to medium fishery
- Best suit in the condition of non-electricity supply

Pump Performance

- Every side need to be turned with a lathe for the conjunction parts to create the vacuum in the purpose of water suction at the powerful force. Whereas it is light for the user to press the pump-handle. It is very ideal for water suction from artesian well for usage or priming from artesian well to other kind of suction pump.

Specifications

Suction-Supply Pipe: 1 1/2 Inches
Vertical Suction Distance: 15 M.
Piston 110mm.

Construction Features

- All parts made from the cast iron 100%, which provide the benefit of durable against the erosion of water and extend the long shelf life.



- To stimulate the powerful water suction, the cylinder block has been consisted of an octagon pot and a rubber valve to dam up the water and generate vacuum inside the pump. (1)

- The inner-cylinder made from real stainless steel. (2)
- The discharge water (red coneshape) processes in three steps to proceed continuously water supply system. In addition, it has helical to connect into water supply pipe. (3)

Monkey-Tail Hand-Press Pump

Pump Applications

- Agriculture: water suction from artesian well, water priming for centrifugal pump
- Best suit in the condition of non-electricity supply

Pump Performance

- It is ideal for water suction from artesian well, which has several types of soil either sandy soil or fat clay. It can be used even in the grit-water because a piston that made from leather endures from erosion and piercing.

Construction Features

- Piston: Real Leather
- Shaft: 3/8 inches Straight Line-Steel; not bend while using
- Cylinder: It has been reamed evenly

1) Monkey-tail Hand-press pump No.75

Specifications:
Suction-supply pipe 1 1/2"
Vertical Suction Distance 15 M.
Piston 75mm.

2) Monkey-tail Hand-press pump No.90

Specifications:
Suction-supply pipe 1 1/2"-2"
Vertical Suction Distance 15 M.
Piston 90 mm.

