

SELF-PRIMING TRASH PUMPS

SPT/SPU SERIES



SPU PUMP

SPT PUMP



AREAS OF APPLICATION

- Water and Waste Treatment
- Effluent Treatment
- Municipality, City Water
- Sewage Lift Station
- Sugar Industries
- Industrial Chemical Waste

SPT PUMP MODELS

The High Flow - Low Head SPT Pumps

Rotech Pump presents a revolutionary range of Self-Priming Centrifugal Trash Pumps. Ergonomically designed and aesthetically perfect, these pumps are economical & offer trouble-free operation in handling solids laden liquids and slurries. Pump features a large volume design which allows them to re-prime automatically in a completely open system without the need of suction or discharge check valves. And this is workable with the pump only partially filled with liquid and completely dry suction line. Pump can handle up to 75mm spherical solids, depending on pump models. In case that pump shaft or bearings need service or repair, the entire rotating assembly can be removed without disturbing pump casing or pipelines. Rotating assembly is sealed with an O-Ring, allowing for external adjustments of clearance.

SPT-2

SELF-PRIMING

- ▶ 1150 rpm (7.3m) 24ft - 1450 rpm 7.6m (25ft)
- ▶ 1750 rpm (7.6m) 25ft - 2050 rpm 7.6m (25ft)
- ▶ 2350 rpm (7.6m) 25ft - 2650 rpm 7.6m (25ft)
- ▶ 2650 rpm (7.6m) 25ft - 2900 rpm 7.6m (25ft)

TECHNICAL DATA

- ▶ **Impeller Diameter:** 158.75 mm (6.1/4")
- ▶ **R.P.M.:** from 1150 rpm to 2900 rpm
- ▶ **Max. Solids:** 44.45 mm (1.3/4")
- ▶ **Net Weight:** 92kg (203 lbs)
- ▶ **Shipping Weights:** 114kg (252 lbs)

* Before using this table, check the NPSHr.

SELF-PRIMING

- ▶ 650 rpm (1.5m) 5ft - 750 rpm 1.8m (6ft)
- ▶ 850 rpm (2.4m) 8ft - 950 rpm 3.0m (10ft)
- ▶ 1050 rpm (4.0m) 13ft - 1150 rpm 4.9m (16ft)
- ▶ 1250 rpm (5.5m) 18ft - 1350 rpm 5.8m (19ft)
- ▶ 1450 rpm (6.4m) 21ft - 1550 rpm 6.4m (21ft)
- ▶ 1650 rpm (6.7m) 22ft - 1750 rpm 6.7m (22ft)
- ▶ 1850 rpm (7.6m) 25ft - 1950 rpm 7.6m (25ft)

- ▶ 2050 rpm (7.6m) 25ft - 2150 rpm 7.6m (25ft)

TECHNICAL DATA

- ▶ **Impeller Diameter:** 222.25 mm (8.3/4")
- ▶ **R.P.M.:** from 650 rpm to 2150 rpm
- ▶ **Max. Solids:** 63.5 mm (2.1/2")
- ▶ **Net Weight:** 183kg (404 lbs)
- ▶ **Shipping Weights:** 205kg (452 lbs)

SPT-3

* Before using this table, check the NPSHr.

SPT-4

SELF-PRIMING

- ▶ 650 rpm (1.5m) 5ft - 750 rpm 2.4m (8ft)
- ▶ 850 rpm (4.9m) 16ft - 950 rpm 5.8m (19ft)
- ▶ 1050 rpm (6.7m) 22ft - 1150 rpm 7.3m (24ft)
- ▶ 1250 rpm (7.6m) 25ft - 1350 rpm 7.6m (25ft)
- ▶ 1450 rpm (7.6m) 25ft - 1550 rpm 7.6m (25ft)
- ▶ 1650 rpm (7.6m) 25ft - 1750 rpm 7.6m (25ft)
- ▶ 1850 rpm (7.6m) 25ft - 1950 rpm 7.6m (25ft)

TECHNICAL DATA

- ▶ **Impeller Diameter:** 247.65 mm (9.3/4")
- ▶ **R.P.M.:** from 650 rpm to 1950 rpm
- ▶ **Max. Solids:** 76.2 mm (3")
- ▶ **Net Weight:** 259.5kg (600 lbs)
- ▶ **Shipping Weights:** 280kg (655 lbs)

* Before using this table, check the NPSHr.

SPT-6

SELF-PRIMING

- ▶ 650 rpm (2.4m) 5ft - 750 rpm 2.7m (9ft)
- ▶ 850 rpm (3.6m) 12ft - 950 rpm 4.2m (14ft)
- ▶ 1050 rpm (5.5m) 18ft - 1150 rpm 6.4m (21ft)
- ▶ 1250 rpm (6.4m) 21ft - 1350 rpm 6.7m (22ft)
- ▶ 1450 rpm (7.0m) 23ft - 1550 rpm 7.6m (25ft)

TECHNICAL DATA

- ▶ **Impeller Diameter:** 314.32 mm (12.3/8")
- ▶ **R.P.M.:** from 650 rpm to 1550 rpm
- ▶ **Max. Solids:** 76.2 mm (3")
- ▶ **Net Weight:** 364 (802 lbs)
- ▶ **Shipping Weights:** 391kg (862 lbs)

** Before using this table, check the NPSHr.*

SELF-PRIMING

- ▶ 650 rpm (2.7m) 9ft - 750 rpm 3.7m (12ft)
- ▶ 850 rpm (4.6m) 15ft - 950 rpm 5.2m (17ft)
- ▶ 1050 rpm (6.1m) 20ft - 1150 rpm 6.4m (21ft)
- ▶ 1250 rpm (6.7m) 22ft - 1350 rpm 7.0m (23ft)

TECHNICAL DATA

- ▶ **Impeller Diameter:** 374.65 mm (14.3/4")
- ▶ **R.P.M.:** from 650 rpm to 1350 rpm
- ▶ **Max. Solids:** 76.2 mm (3")
- ▶ **Net Weight:** 581 (1295 lbs)
- ▶ **Shipping Weights:** 634kg (1399 lbs)

SPT-8

** Before using this table, check the NPSHr.*

SPT-10

SELF-PRIMING

- ▶ 650 rpm (2.1m) 7ft - 750 rpm 3.4m (11ft)
- ▶ 850 rpm (4.3m) 14ft - 950 rpm 5.2m (17ft)
- ▶ 1050 rpm (5.5m) 18ft - 1150 rpm 5.5m (18ft)
- ▶ 1250 rpm (5.8m) 19ft - 1350 rpm 6.7m (22ft)
- ▶ 1450 rpm (6.7m) 22ft

TECHNICAL DATA

- ▶ **Impeller Diameter:** 374.65 mm (14.3/4")
- ▶ **R.P.M.:** from 650 rpm to 1450 rpm
- ▶ **Max. Solids:** 76.2 mm (3")
- ▶ **Net Weight:** 635 (1400 lbs)
- ▶ **Shipping Weights:** 663kg (1461 lbs)

** Before using this table, check the NPSHr.*

SELF-PRIMING

- ▶ 650 rpm (1.6m) 5ft - 750 rpm 2.7m (9ft)
- ▶ 850 rpm (3.9m) 13ft - 950 rpm 4.5m (15ft)
- ▶ 1050 rpm (4.9m) 16ft - 1150 rpm 4.9m (16ft)
- ▶ 1250 rpm (4.9m) 16ft

TECHNICAL DATA

- ▶ **Impeller Diameter:** 457.2 mm (18")
- ▶ **R.P.M.:** from 650 rpm to 1250 rpm
- ▶ **Max. Solids:** 76.2 mm (3")
- ▶ **Net Weight:** 998kg (2200 lbs)
- ▶ **Shipping Weights:** 1066kg (2350 lbs)

SPT-12

** Before using this table, check the NPSHr.*

