

SETHCO

UD SERIES VERTICAL SUMP PUMPS

For over six decades, Sethco has been a leader in corrosion-resistant pump technology—proudly engineered and manufactured in the USA. The UD Series continues that legacy, delivering reliable performance in high-temperature, chemically aggressive environments.

Sethco UD Series thermoplastic sump pumps handle harsh chemicals and corrosive liquids with ease. Their rugged one-piece design, carbon-filled Teflon® bearings, and ability to process fibrous materials make them ideal for chemical transfer, wastewater treatment, and plating. No metallic hardware below the mounting plate or submerged in fluid ensures superior corrosion resistance. Optional flush lubrication and customizable mounting plates simplify maintenance and integration.



APPLICATIONS

- Acids
- Aquarium
- Bleaches
- Caustics
- Chemical Transfer
- Pickling Solutions
- Plating Solutions
- Quench Tanks
- Scrubber/Odor Control
- Water/Wastewater Treatment

TECHNICAL SPECIFICATIONS

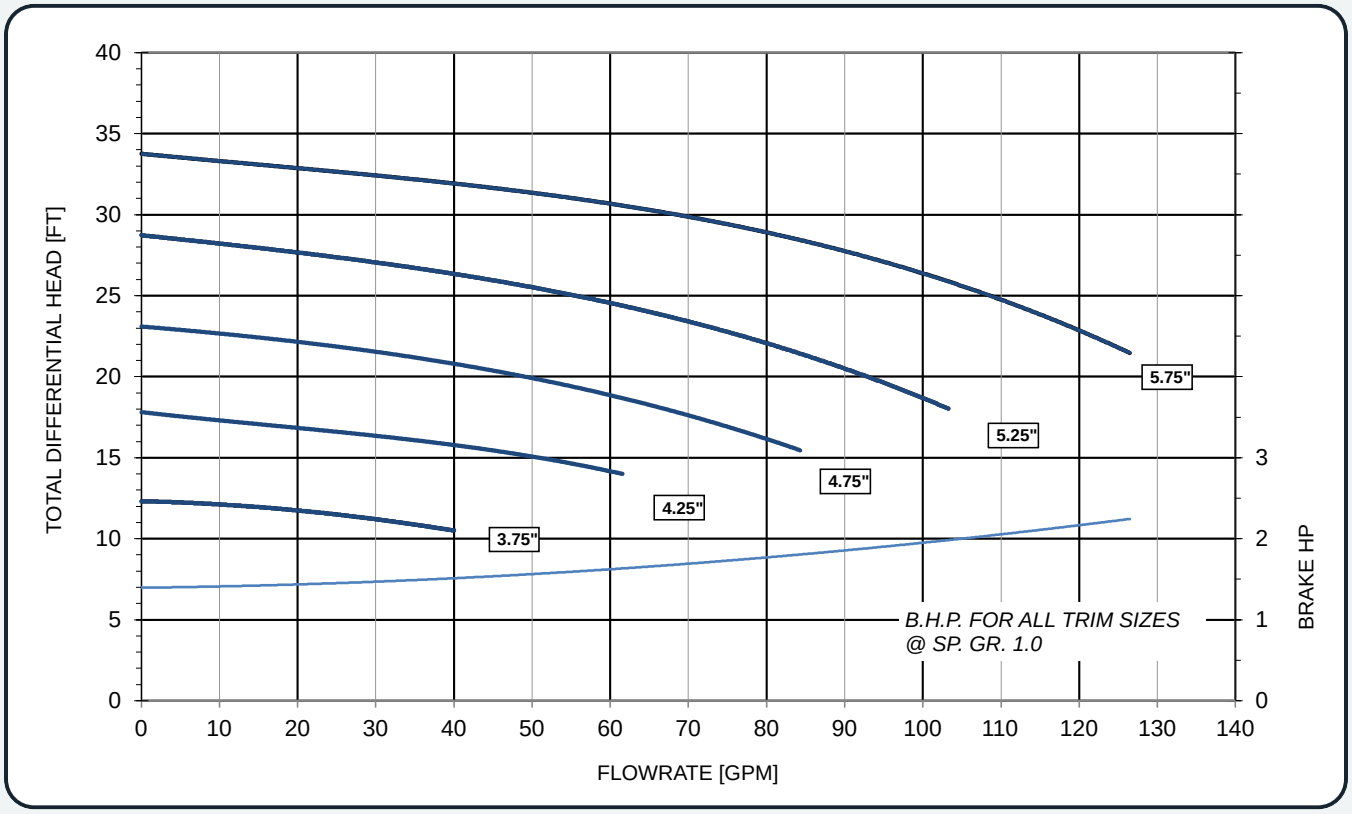
- Capacities to 232 GPM (878 LPM)
- Heads to 140 feet (43 m)
- Standard lengths from 2 to 10 feet (0.6 to 3.0 m)
- Motors from ½ to 20 hp (0.37 to 15 kW)
- All CPVC construction for higher temp applications (up to 180˚F/82.2°C with water, may vary with fluid)
- 316SS, Carp-20, Titanium or Hastelloy-C pump shafts

UD SERIES DESIGN FEATURES

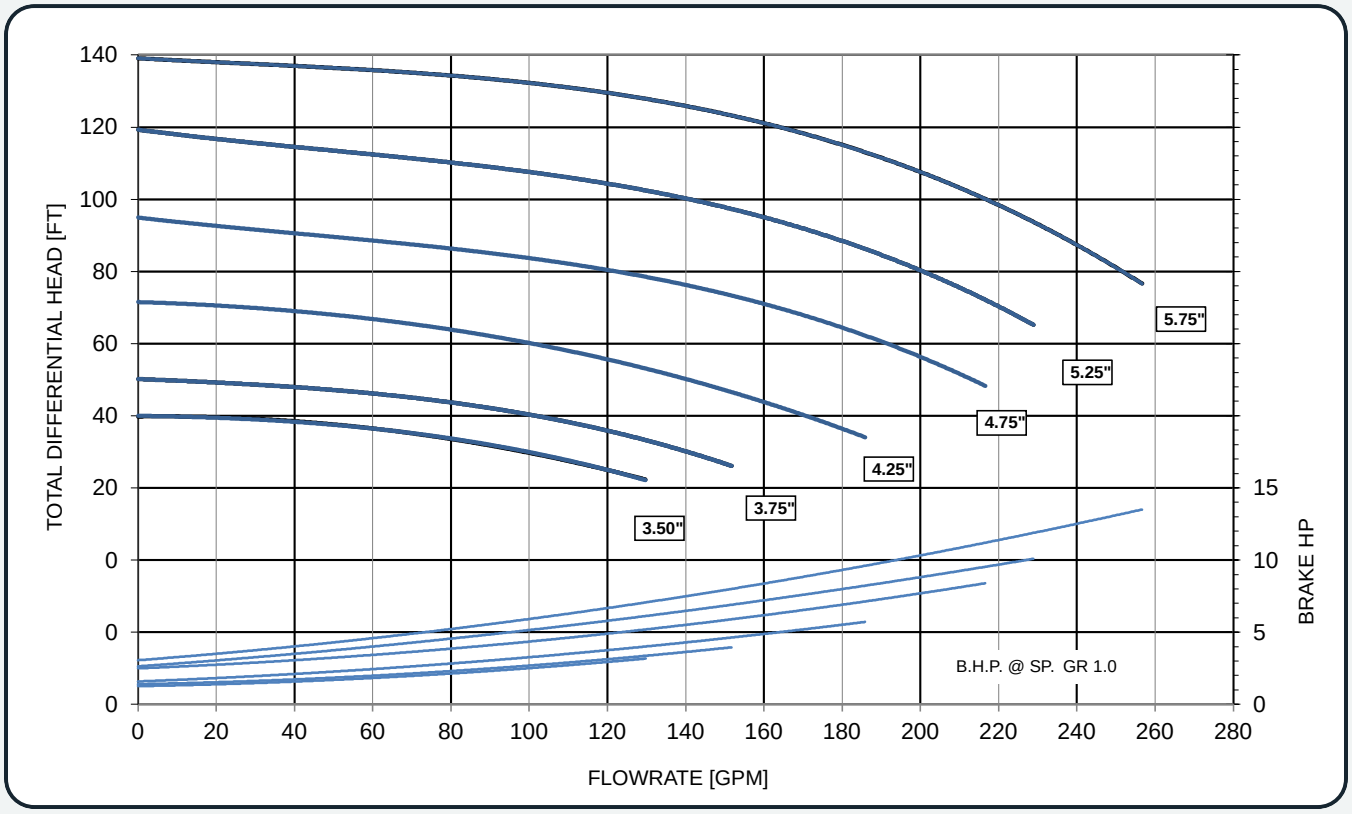
- Internal, external bearing lubrication options
- Non-metallic mounting plate — custom sizes available
- No metallic hardware below mounting plate
- No metallic hardware submerged in fluid
- One piece column and casing design adds strength and stability to pump body
- Impeller/casing design can handle intermittent solids and fibrous materials
- Corrosion resistant carbon-filled Teflon® line shaft bearings
- Maximum 24” (610 mm) bearing span
- Mounts for standard NEMA or IEC frame motors
- Vapor seal designed to protect motor/pedestal from corrosive vapors
- Bearing pedestal includes an oversized double sealed ball bearing
- Custom solutions such as duplex arrangements available upon request

PERFORMANCE CURVES

1700 RPM / 60 HZ

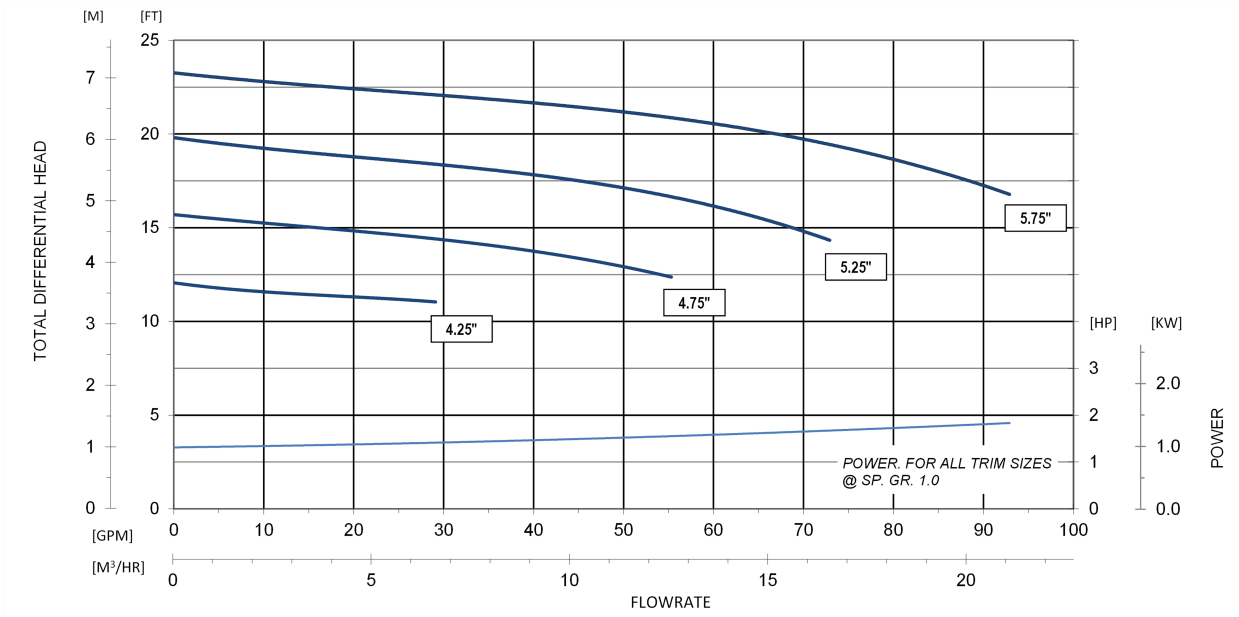


3500 RPM / 60 HZ

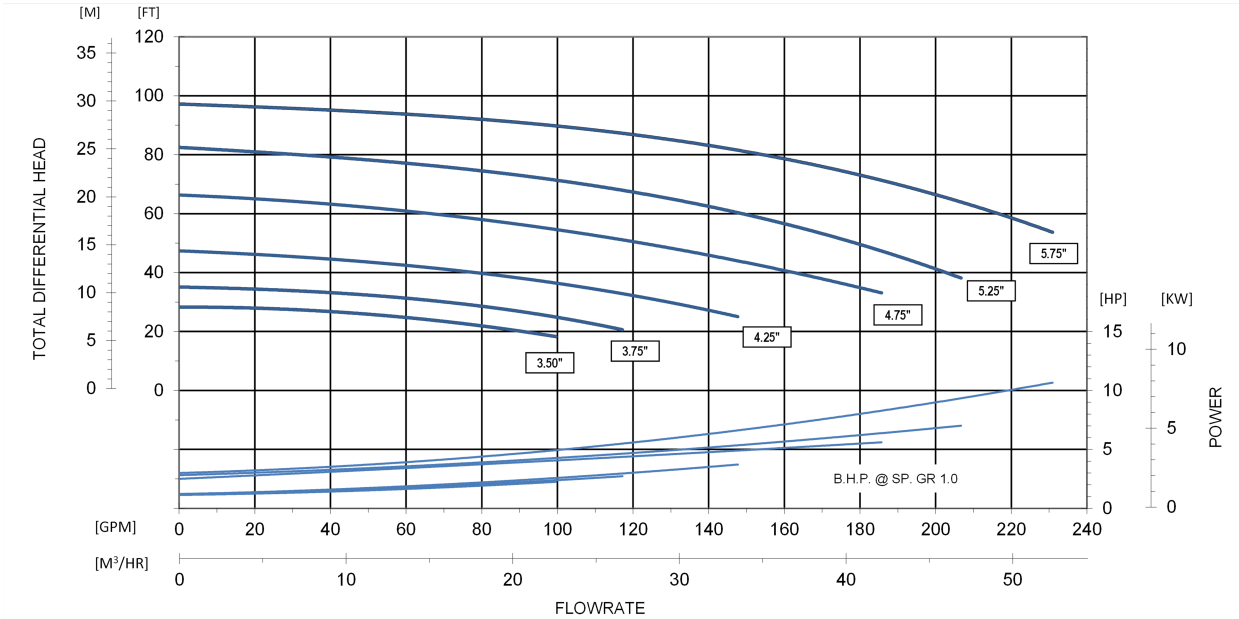


PERFORMANCE CURVES

1450 RPM / 50 HZ

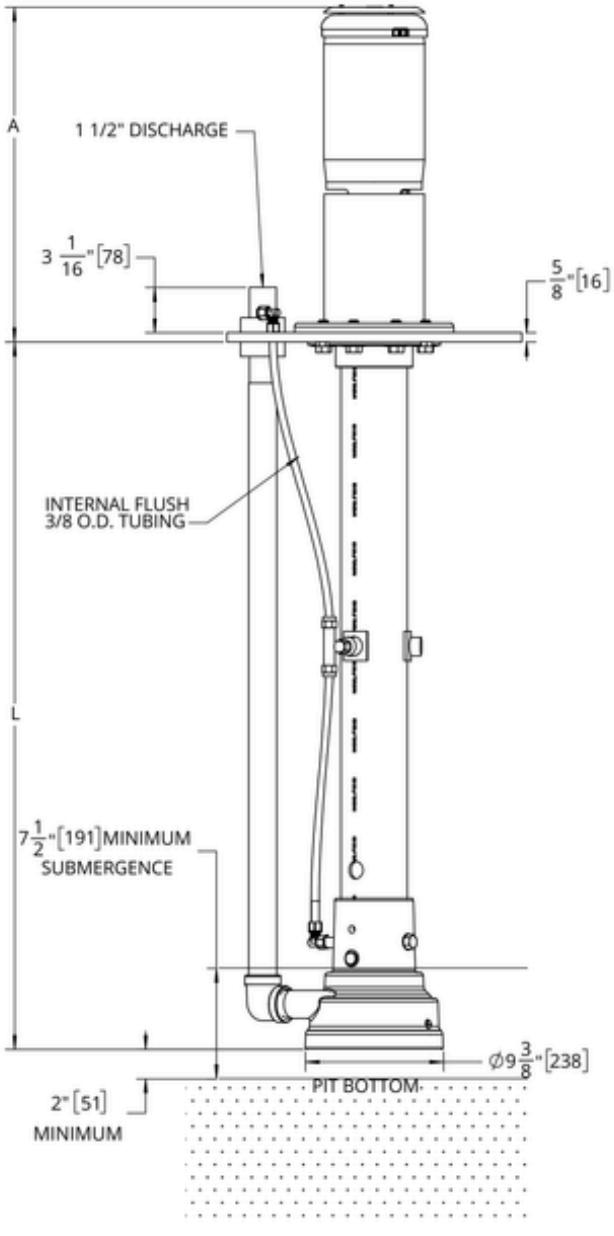


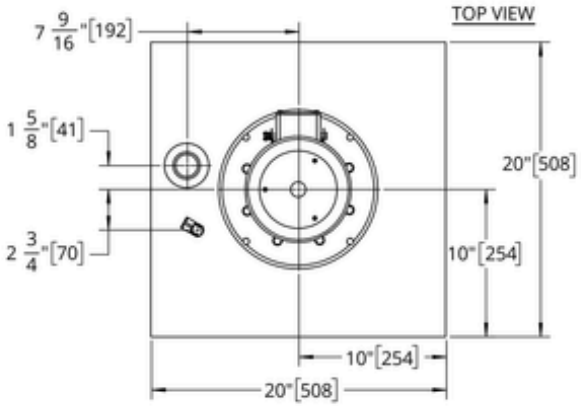
2875 RPM / 50 HZ

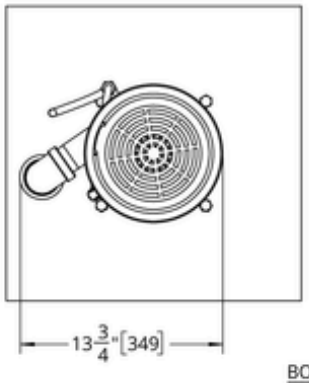


OUTLINE DRAWING

MOTOR FRAME	A
56C	23 5/8" [600]
143TC / 145TC	23 5/8" [600]
182TC / 184TC	25 5/8" [651]
213TC / 215TC	28 3/8" [721]
254TC / 256TC	31"[787]







BOTTOM VIEW

NO.	L	BRGS.
1	24" [610]	1
2	36" [914]	2
3	48" [1219]	2
4	60" [1524]	3
5	72" [1829]	3
6	84" [2134]	4
7	96" [2438]	5
8	108" [2743]	5
9	120" [3048]	5

NOTES:
1.ALL DIMENSIONS IN INCHES. DIM'S IN [ ] ARE MILLIMETERS.
2."A" DIMENSION MAY VARY BY MOTOR MANUFACTURER.
3.MOTOR SHIPPED SEPARATELY FOR FIELD MOUNTING BY OTHERS.
4.THIS DRAWING NOT TO BE USED FOR CONSTRUCTION PURPOSES.
5.COVERPLATE TO BE SUPPORTED ON FOUR SIDES
6.EXPANSION JOINT IS RECOMMENDED FOR DISCHARGE CONNECTION

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