

Piranha PS

Heavy-Duty Slurry Pumps

Piranha excels in the most demanding applications. Our heavy-duty slurry pumps are ideal for pumping sludge, slurry and heavily contaminated liquids. The design, and material specification, reflect Piranha's unwavering commitment to supply quality products that help our customers become more profitable.

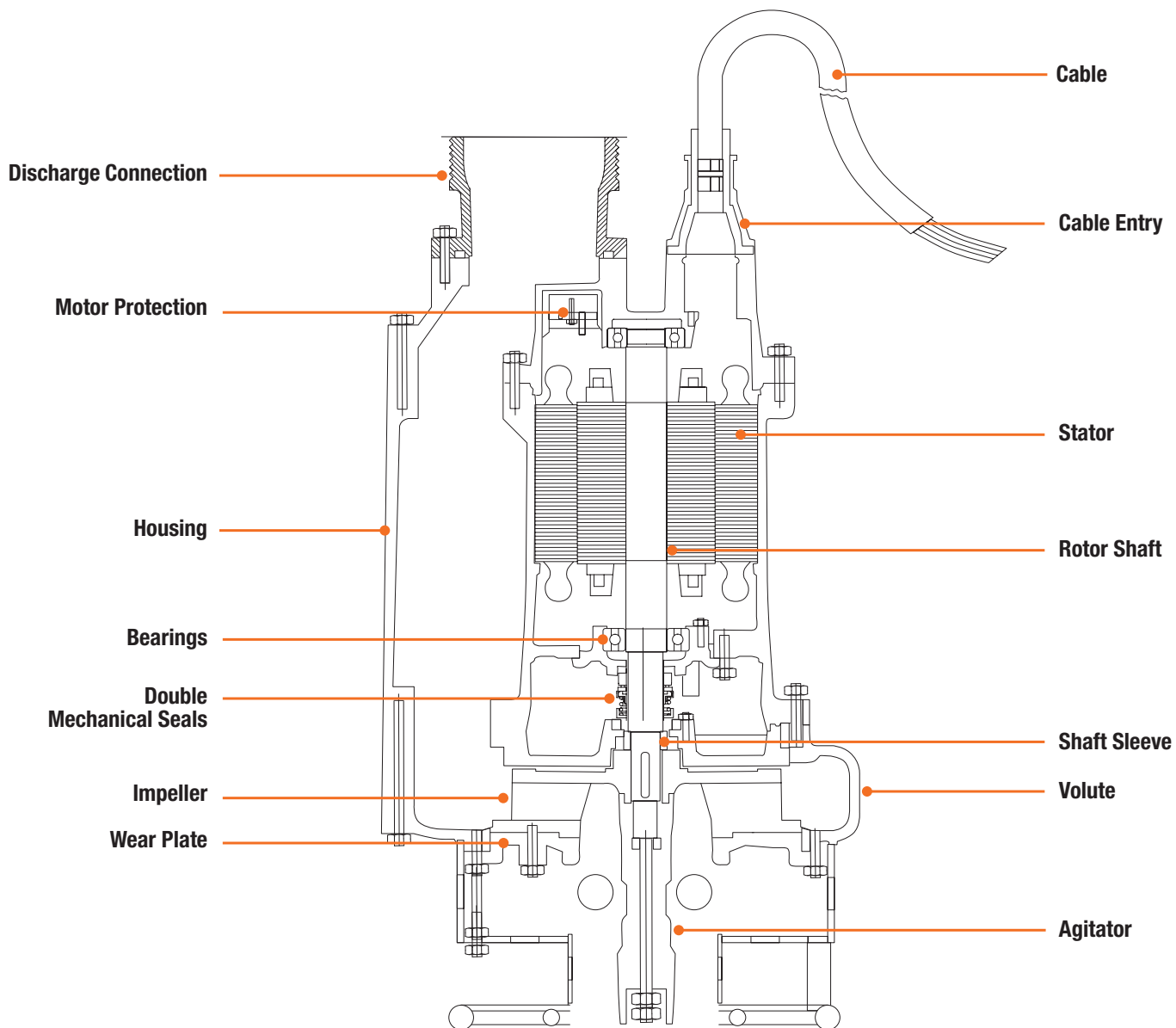
Our pumps proudly uphold the Piranha brand promise for a specific set of application criteria. Wet end components are constructed with abrasive-resistant (HRC 58-60 hardness), high-chromium alloy steel. Additionally, long, reliable pump life is bolstered by high efficiency 1,800 RPM motors, class F motor insulation, double mechanical seals, a 410 stainless steel rotor and shaft sleeve, a cooling jacket and heavy-duty, 5-conductor cable.

These features have been specified to optimize performance in applications such as: coal and slurry transfer, sand and gravel dewatering, tank sludge clean-out, mill scale and ash transfer, barge clean-out and dewatering and pond reclamation. Cost-effective pumping over the lifetime of the application is made possible by selecting the right features for a given environment.

Need to float your pump??? Piranha offers a variety of our FP-Series Flotation Platforms for your pumping and flotation needs. Our platforms can be customized to meet the demands of your unique application.



PRODUCT FEATURES



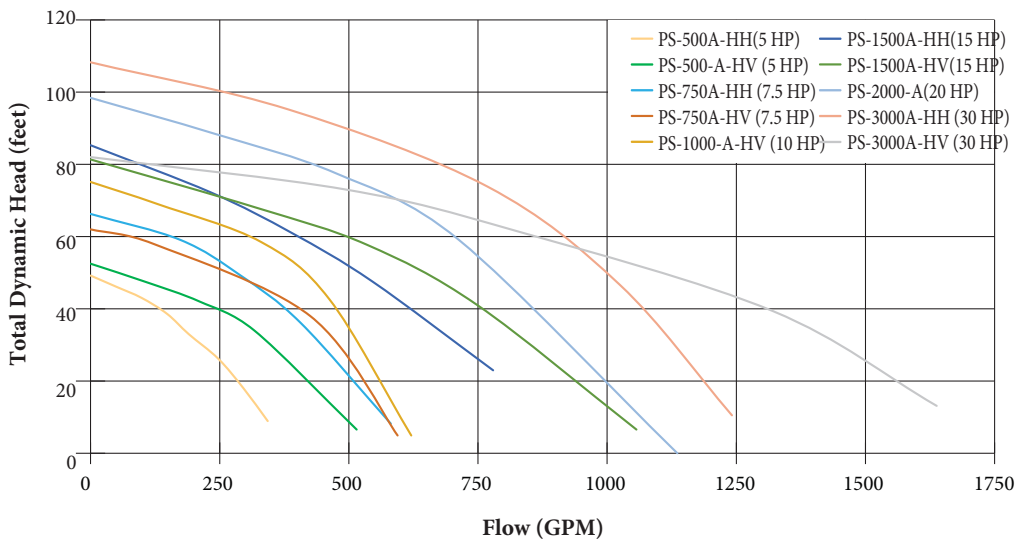
Abrasion-resistance is maximized via design and material specification on the following components:

- **Agitator** – uses auger from HRC 58-60 steel to mix solids with liquid to create a suspended slurry.
- **Wear plate** – features HRC 58-60 material and is adjustable to reliably repel abrasives.
- **Semi-vortex impeller** – high chrome steel construction that minimizes wear when subjected to abrasive solids and slurry.
- **Hardened ductile iron volute** – protects against premature wear to extend service life.

Several design features have been incorporated to extend service life:

- **Class F motor protection** – creates thermal and overload protection with 1.15 service factor.
- **Double mechanical seals** – maintains separate oil-filled housing with silicon carbide faces.
- **Shaft sleeve** – protects shaft from wear when exposed to abrasives.
- **Housing** – includes integrated cooling jacket that prevents the motor from overheating and allows liquids to be pumped down.

Performance Information



MODEL	HP	Voltage	Amps (FLA)	Discharge (NPT)	Max Solids (inch)	Max Flow (GPM)	Max Head (feet)	Wt. (lbs.)	Max Ht/Wt (inch)
PS-500A-HH-230	5.0	230	15.0	3"	1"	340	50	242	31.0/15.1
PS-500A-HH-460	5.0	460	7.7	3"	1"	340	50	242	31.0/15.1
PS-500A-HH-575	5.0	575	6.3	3"	1"	340	50	242	31.0/15.1
PS-500A-HV-230	5.0	230	15.0	4"	1"	515	52	242	31.0/15.1
PS-500A-HV-460	5.0	460	7.7	4"	1"	515	52	242	31.0/15.1
PS-500A-HV-575	5.0	575	6.3	4"	1"	515	52	242	31.0/15.1
PS-750A-HH-230	7.5	230	22.6	3"	1"	580	66	271	31.0/16.3
PS-750A-HH-460	7.5	460	11.5	3"	1"	580	66	271	31.0/16.3
PS-750A-HH-575	7.5	575	9.2	3"	1"	580	66	271	31.0/16.3
PS-750A-HV-230	7.5	230	22.6	4"	1"	595	62	273	31.0/16.3
PS-750A-HV-460	7.5	460	11.5	4"	1"	595	62	273	31.0/16.3
PS-750A-HV-575	7.5	575	9.2	4"	1"	595	62	273	31.0/16.3
PS-1000A-HV-230	10	230	30.1	4"	1"	620	70	273	31.0/16.3
PS-1000A-HV-460	10	460	15.0	4"	1"	620	70	273	31.0/16.3
PS-1000A-HV-575	10	575	12.2	4"	1"	620	70	273	31.0/16.3
PS-1500A-HH-230	15	230	45.2	4"	1"	780	85	421	35.8/18.8
PS-1500A-HH-460	15	460	22.6	4"	1"	780	85	421	35.8/18.8
PS-1500A-HH-575	15	575	17.9	4"	1"	780	85	421	35.8/18.8
PS-1500A-HV-230	15	230	45.2	6"	1 3/8"	1,050	80	423	35.8/18.8
PS-1500A-HV-460	15	460	22.6	6"	1 3/8"	1,050	80	423	35.8/18.8
PS-1500A-HV-575	15	575	17.9	6"	1 3/8"	1,050	80	423	35.8/18.8
PS-2000A-230	20	230	60.3	6"	1 1/2"	1,135	100	443	35.8/18.8
PS-2000A-460	20	460	30.1	6"	1 1/2"	1,135	100	443	35.8/18.8
PS-2000A-575	20	575	24.1	6"	1 1/2"	1,135	100	443	35.8/18.8
PS-3000A-HH-460	30	460	45.2	6"	1 1/2"	1,240	108	761	45.1/23.3
PS-3000A-HH-575	30	575	36.2	6"	1 1/2"	1,240	108	761	45.1/23.3
PS-3000A-HV-460	30	460	45.2	8"	1 1/2"	1,640	82	783	45.1/23.3
PS-3000A-HV-575	30	575	36.2	8"	1 1/2"	1,640	82	783	45.1/23.3