

# **Piranha**

## **Agitator Slurry Pumps**

### **.75 hp to 75 hp**



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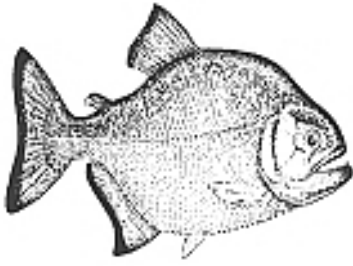
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For industrial, mining, milling, power plant, water treatment, sewage, organic waste, or anywhere slurry solids have a tendency to accumulate, agitator pumps are the answer. Since water always flows to the path of least resistance, a pump without mechanical agitation will only pump the water, leaving the solids behind to accumulate around your pump intake, and eventually starving the pump by blocking the intake. Agitator pumps deliver kinetic energy (energy of motion) to slurry solids surrounding the pump intake, re-suspending them into a fluid state. These solids, which would have otherwise buried and starved the pump of liquid, are pulled into the pump and pushed on through the discharge keeping the intake clear and free of slurry accumulation. Piranha agitator slurry pumps are available with flotation devices and a variety of options including: power jet ring, electric hoist, traversing winch, floating discharge piping, and control panels.



Flotation Pontoon





# Piranha

## Agitator Slurry Pumps

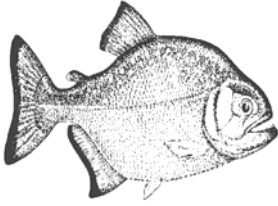
### .75 hp to 75 hp



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Slurry/Agitator Model	Solids Size	H.P.	WT. LBS	Voltage	Phase	Discharge	Shut Off Head	Max. Volume
PS-75-A/AJ	3/8"	.75	33	115	1	2"	43'	58 gpm @ 5'
PS-750-A	1.25"	7.5	349	230/460	3	3"	53'	500 gpm @ 15'
PS-1000-A	3/4"	10	175	230/460	3	3" & 4"	93'	350 gpm @ 10'
PS-1500-A	1.25"	15	509	230/460	3	4"	63'	855 gpm @ 18'
PS-2000-A	1.25"	20	608	230/460	3	4"	80'	1160 gpm @ 10'
PS-3000-A	1.25"	30	861	230/460	3	6"	98'	1600 gpm @ 13'

Severe Duty Excavator/Agitator Model	Solids Size	H.P.	WT. LBS	Voltage	Phase	Discharge	Shut Off Head	Max. Volume
P-3-A	3/4"	3	339	230/460	3	3"	33'	240 gpm @ 10'
P-5-A	3/4"	5	360	230/460	3	3"	48'	270 gpm @ 22'
P-7.5-A	1"	7.5	448	230/460	3	4"	56'	300 gpm @ 20'
P-10-A	1"	10	496	230/460	3	4"	67'	450 gpm @ 24'
P-15-A	1.5"	15	1087	230/460	3	4"	66'	636 gpm @ 24'
P-20-A/AJ	1.5"	20	1267	460	3	4"	86'	675 gpm @ 25'
P-30-A/AJ	1.5"	30	1734	460	3	4"	135'	750 gpm @ 50'
P-50-A/AJ	2.5"	50	2216	460	3	6" & 8"	98'	1850 gpm @ 35'
P-75-A/AJ	2.5"	75	2593	460	3	6" & 8"	130'	2120 gpm @ 70'



# Piranha

## Agitator Slurry Pump

### Model PS-75-A & PS-75-AJ

### 3/4 HP / 2 Inch Discharge

### 115v single phase

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### PS75A: Mechanical Agitator

### PS75AJ: Mechanical Agitator & Power Jet Ring

#### *Pump Construction*

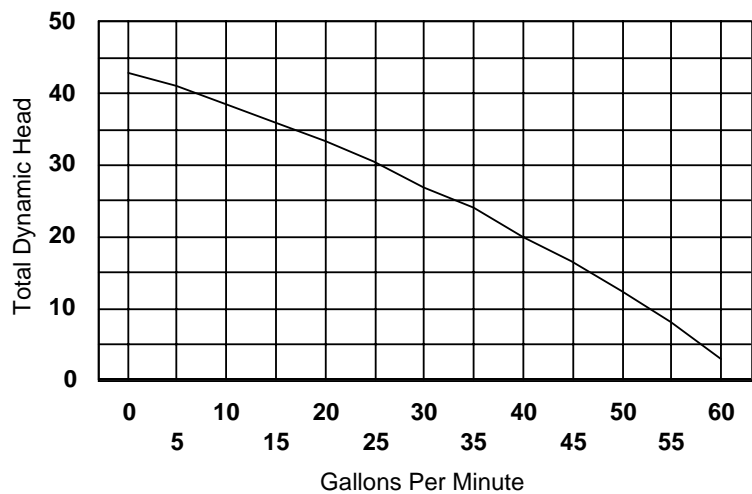
- Solids Size 3/8 inch
- Impeller High Chrome Iron  
Semi Vortex
- Agitator High Chrome Iron
- Volute Ductile Iron
- Seals Silicon Carbide
- Pump Weight 33 Lbs
- Dimensions: 11" W x 8.5" W x 15.5" H

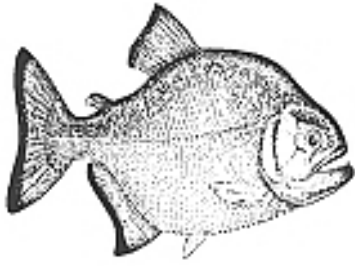


#### *Motor Specifications*

- Rating 3/4 HP
- Voltage 115 Volt
- Current F.L.A. 7.5
- Thermal Overload Integral Switches
- RPM 3450
- Power Cable 30'

Piranha Agitator Pump  
Model PS-75-A/AJ





# Piranha

## Medium Duty Agitator Slurry Pump

### Model PS-750-A

#### 7.5 HP / 3 Inch Discharge

#### 230v/460v/three phase



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**Floating Pumps**

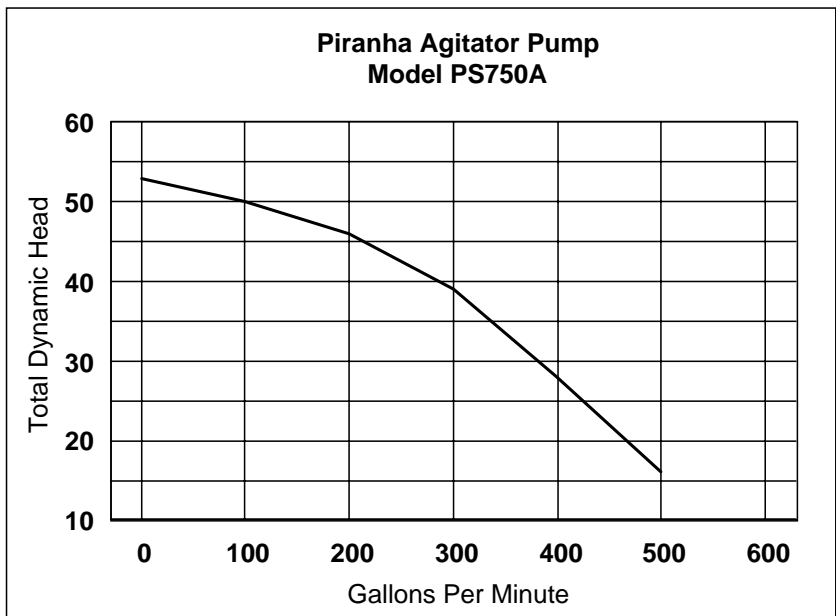


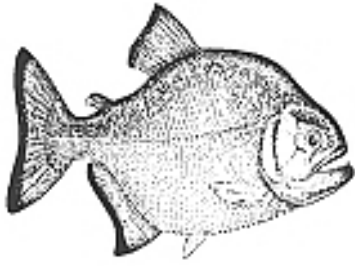
### *Motor Specifications*

- Rating                    3 Phase 7.5 HP
- Voltage                   230 / 460 Volt
- Current                   F.L.A. 20 / 10
- Thermal Overload    2 Integral Switches
- RPM                        1750
- Insulation                Class E
- Power Cable             50'

### *Pump Construction*

- Housing                  Carbon Steel
- Mechanical Seals    Silicon Carbide
- Impeller                  High Chrome Iron
- Rotor Shaft             416 SS
- Volute                     Cast Iron
- Wear Plate              High Chrome Iron
- Solids Size              1.25 Inch
- Agitator                  High Chrome Iron
- Pump Weight          350 Lbs
- Lifting Handle          Carbon Steel
- Dimensions:            31" H x 19" W





# Piranha

## High Head Agitator Slurry Pump Model PS-1000-A

10 HP / 3&4 Inch Discharge  
230v/460v/575v three phase



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### Motor Specifications

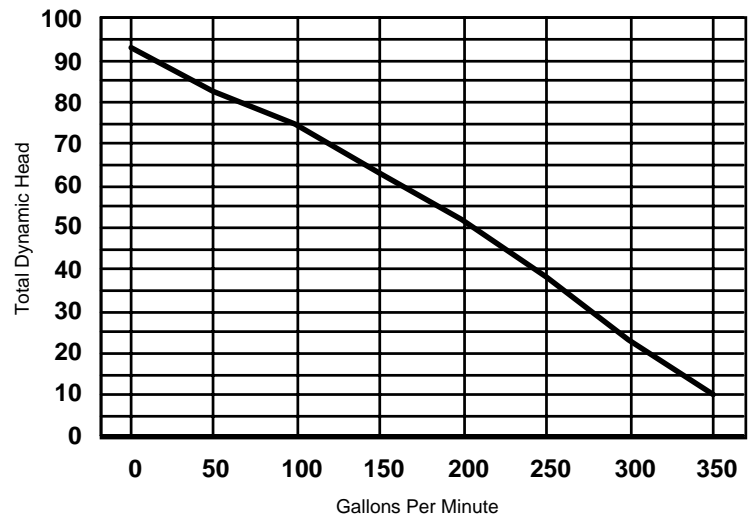
- Motor Seal Double Oring
- Rating 3 Phase 10 HP
- Voltage 230 / 460 Volt
- Current F.L.A. 28 / 14
- Thermal Overload 2 Integral Switches
- RPM 3450
- Power Cable 50' 12/4 SOW-A
- Control NEMA 4X



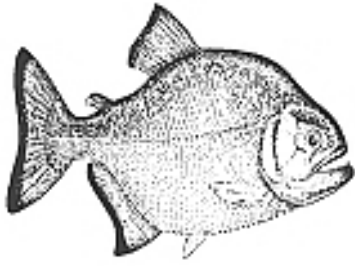
### Pump Construction

- Housing 356T6 Al Alloy
- Mechanical Seals Silicon Carbide
- Impeller Heat Treated 17-4 PH SS  
Vortex Type
- Rotor Shaft 416 SS
- Volute Hardened Cast Iron
- Solids Size 3/4 Inch
- Agitator 17-4 PH, Heat Treated
- Pump Weight 130 Lbs

Piranha Model PS-1000-A  
10 HP 230/460 Volt







# Piranha

## Medium Duty Agitator Slurry Pump

### Model PS-1500-A

#### 15 HP / 4 Inch Discharge

#### 230v/460v/three phase



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**Floating Pumps**



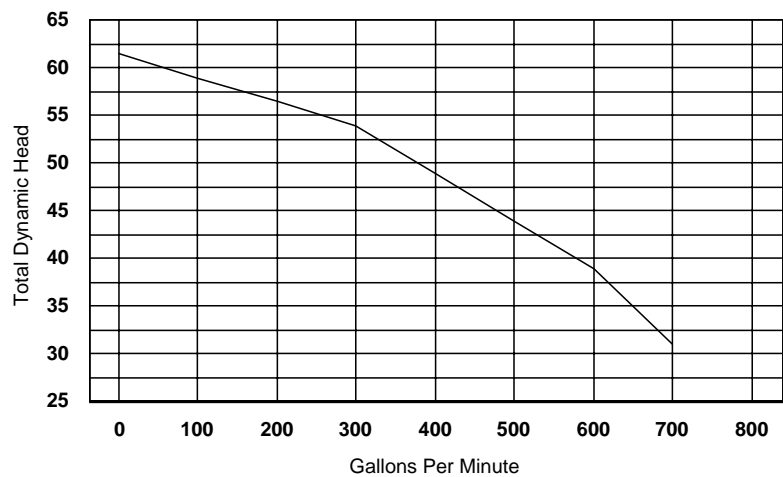
### *Motor Specifications*

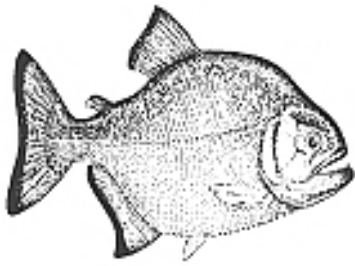
- Rating                    3 Phase 15 HP
- Voltage                   230 / 460 Volt
- Current                   F.L.A. 38/ 19
- Thermal Overload    2 Integral Switches
- RPM                        1750
- Insulation                Class E
- Power Cable             50'

### *Pump Construction*

- Housing                  Carbon Steel
- Mechanical Seals      Silicon Carbide
- Impeller                  High Chrome Iron
- Rotor Shaft              416 SS
- Volute                      Cast Iron
- Wear Plate               High Chrome Iron
- Solids Size               1.25 Inch
- Agitator                   High Chrome Iron
- Pump Weight            509 Lbs
- Lifting Handle           Carbon Steel
- Dimensions:            34" H x 24" W

**Piranha Agitator/Slurry Pump**  
**Model PS-1500-A**





# Piranha

## Medium Duty Agitator Slurry Pump Model PS-2000-A

### 20 HP / 4 Inch Discharge 230v/460v/three phase



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**Floating Pumps**



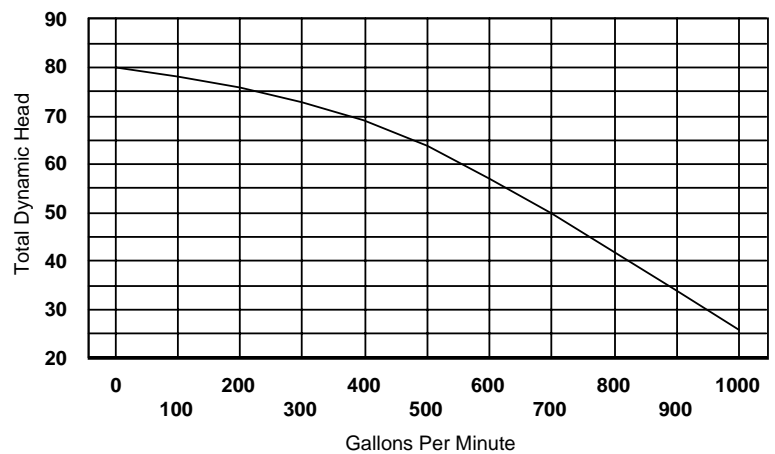
#### *Motor Specifications*

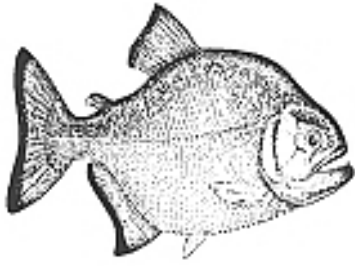
- Rating                    3 Phase 20 HP
- Voltage                   230 / 460 Volt
- Current                   F.L.A. 48/ 22
- Thermal Overload    2 Integral Switches
- RPM                        1750
- Insulation                Class E
- Power Cable            50'

#### *Pump Construction*

- Housing                  Carbon Steel
- Mechanical Seals    Silicon Carbide
- Impeller                  High Chrome Iron
- Rotor Shaft             416 SS
- Volute                     Cast Iron
- Wear Plate              High Chrome Iron
- Solids Size             1.25 Inch
- Agitator                  High Chrome Iron
- Pump Weight          608 Lbs
- Lifting Handle         Carbon Steel
- Dimensions:          36" H x 24" W

**Piranha Agitator/Slurry Pump  
Model PS-2000-A**





# Piranha

## Medium Duty Agitator Slurry Pump Model PS-3000-A

### 30 HP / 6 Inch Discharge 230v/460v/three phase



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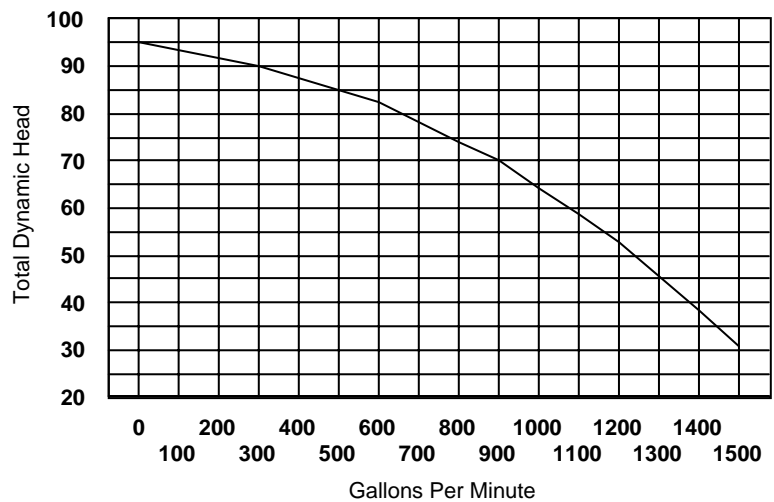
#### Motor Specifications

- Rating 3 Phase 30 HP
- Voltage 230 / 460 Volt
- Current F.L.A. 78/ 39
- Thermal Overload 2 Integral Switches
- RPM 1750
- Insulation Class E
- Power Cable 50'

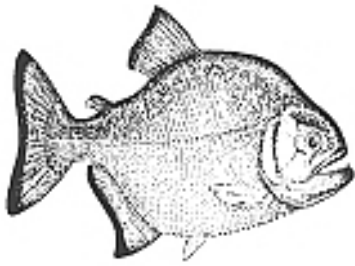
#### Pump Construction

- Housing Carbon Steel
- Mechanical Seals Silicon Carbide
- Impeller High Chrome Iron
- Rotor Shaft 416 SS
- Volute Cast Iron
- Wear Plate High Chrome Iron
- Solids Size 1.25 Inch
- Agitator High Chrome Iron
- Pump Weight 860 Lbs
- Lifting Handle Carbon Steel
- Dimensions: 44" H x 28" W

Piranha Agitator/Slurry Pump  
Model PS-3000-A







# Piranha

## Severe Duty Agitator Slurry Pump

### Model P-3-A

### 3 HP / 3 Inch Discharge

### 230v/460v/three phase



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**Floating Pumps**



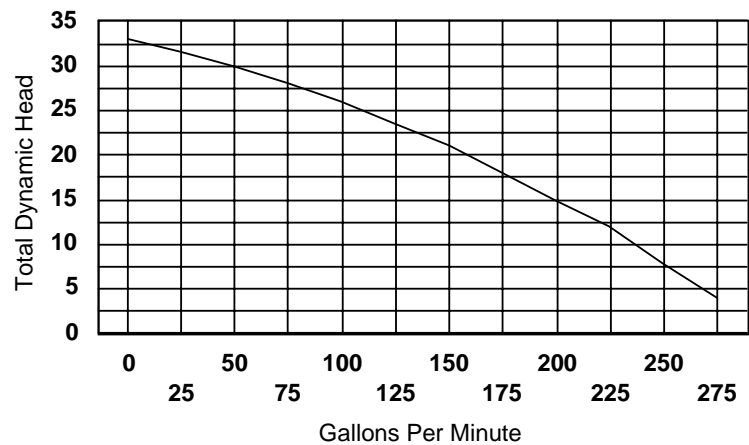
#### *Pump Construction*

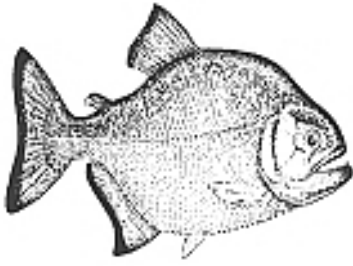
- Solids Size            3/4 inch
- Impeller                28% High Chrome Iron
- Agitator                28% High Chrome Iron
- Wear Plate            28% High Chrome Iron
- Volute                 Ductile Iron
- Seals                  Silicon Carbide
- No. Of Bearings    3
- Pump Weight        336 Lbs
- Dimensions:        15" W x 25.5" W x 31" H

#### *Motor Specifications*

- Rating                 3 Phase 3 HP
- Voltage                230 / 460 Volt
- Current                F.L.A. 8/4
- Service Factor        1.35
- Thermal Overload    Integral Switches
- RPM                    1750
- Power Cable          50'

**Piranha Agitator Pump  
 Severe Duty  
 Model P-3-A**





# Piranha

## Severe Duty Agitator Slurry Pump

### Model P-5-A

**5 HP / 3 Inch Discharge**  
**230v/460v/three phase**



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**Floating Pumps**

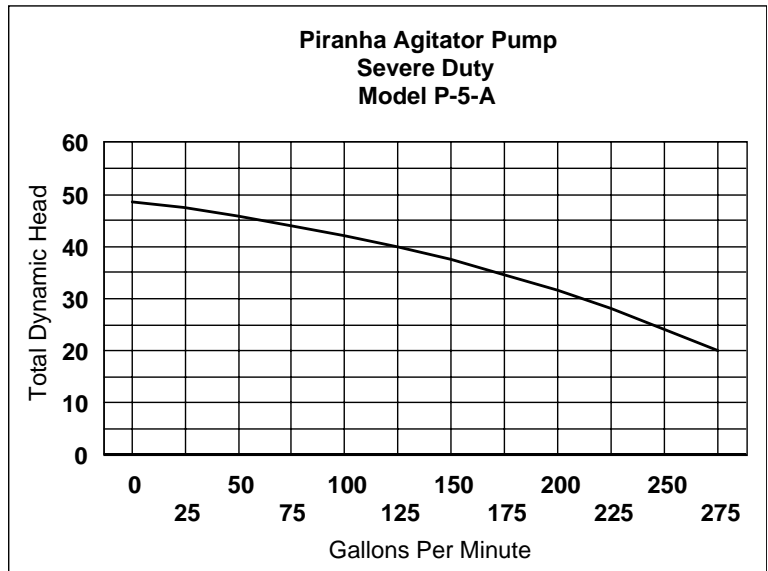


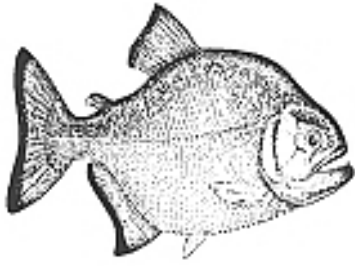
#### *Pump Construction*

- Solids Size        3/4 inch
- Impeller            28% High Chrome Iron
- Agitator            28% High Chrome Iron
- Wear Plate        28% High Chrome Iron
- Volute              Ductile Iron
- Seals                Silicon Carbide
- No. Of Bearings   3
- Pump Weight      358 Lbs
- Dimensions:      15" W x 25.5" W x 32" H

#### *Motor Specifications*

- Rating              3 Phase 5 HP
- Voltage             230 / 460 Volt
- Current             F.L.A. 13/6.5
- Service Factor     1.35
- Thermal Overload Integral Switches
- RPM                 1750
- Power Cable        50'





# Piranha

## Severe Duty Agitator Slurry Pump

### Model P-10-A

### 10 HP / 4 Inch Discharge

### 230v/460v/three phase



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**Floating Pumps**

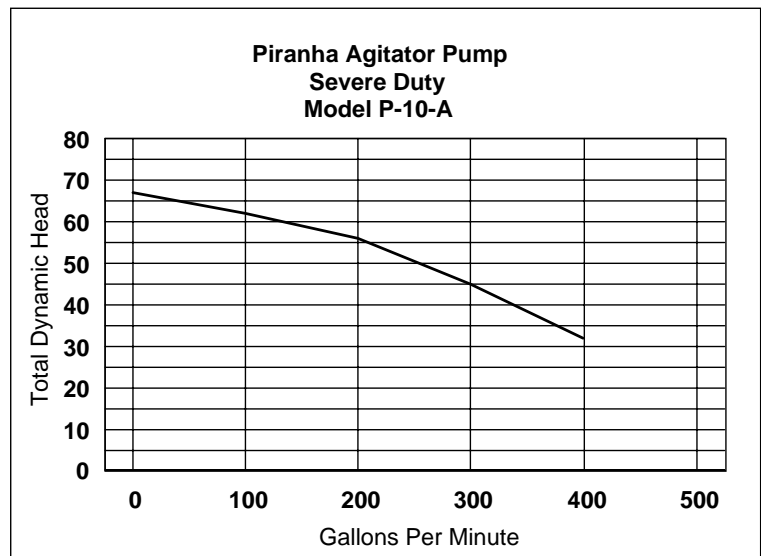


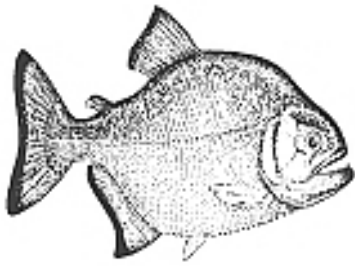
#### *Pump Construction*

- Solids Size 1 inch
- Impeller 28% High Chrome Iron
- Agitator 28% High Chrome Iron
- Wear Plate 28% High Chrome Iron
- Volute Ductile Iron
- Seals Silicon Carbide
- No. Of Bearings 3
- Pump Weight 496 Lbs
- Dimensions: 17" W x 28.5" W x 35.5" H

#### *Motor Specifications*

- Rating 3 Phase 10 HP
- Voltage 230 / 460 Volt
- Current F.L.A. 26/13
- Service Factor 1.35
- Thermal Overload Integral Switches
- RPM 1750
- Power Cable 50'





# Piranha

## Severe Duty Agitator Slurry Pump

### Model P-20-A

#### 20 HP / 4 Inch Discharge

#### 460v/three phase



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**P-30-A Left**

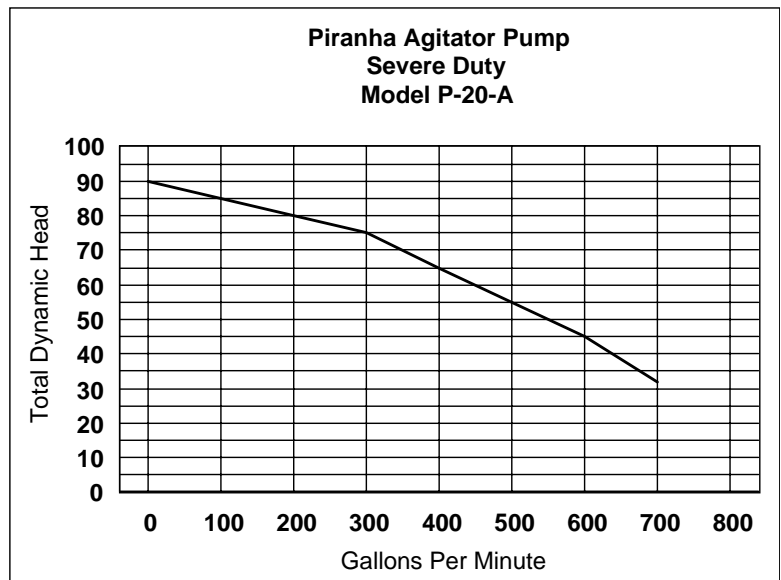
**P-20-A Right**

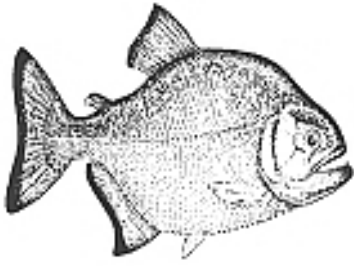
### *Pump Construction*

- Solids Size            1.5 inch
- Impeller                28% High Chrome Iron
- Agitator                28% High Chrome Iron
- Wear Plate            28% High Chrome Iron
- Volute                 Ductile Iron
- Seals                    7 stage
- No. Of Bearings    4
- Pump Weight        1267 Lbs
- Dimensions:        25" W x 33" W x 52" H

### *Motor Specifications*

- Rating                 3 Phase 20 HP
- Voltage                460 Volt
- Current                F.L.A. 27
- Service Factor        1.35
- Thermal Overload    Overheat sensor & relay
- Moisture Sensor      Seal sensor & relay
- RPM                    1200
- Power Cable          50'





# Piranha

## Severe Duty Agitator Slurry Pump Model P-30-A

### 30 HP / 4 Inch Discharge 460v/three phase



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**P-30-A Left**

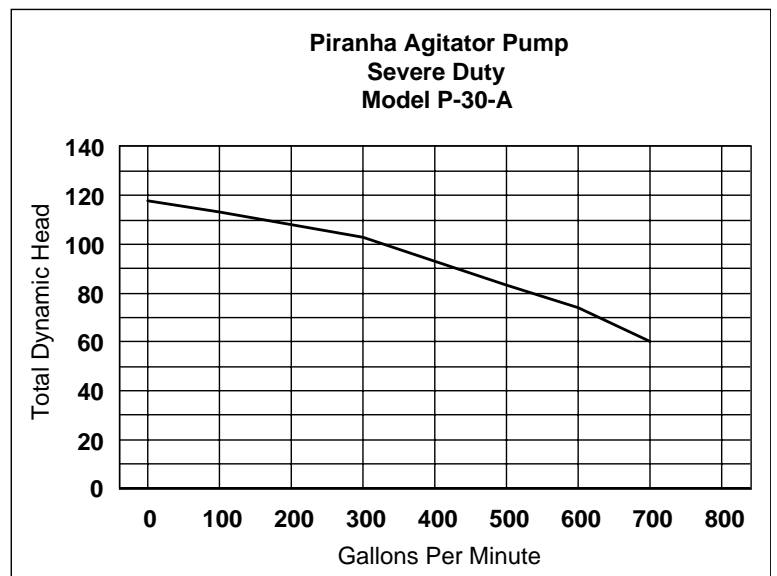
**P-20-A Right**

#### *Pump Construction*

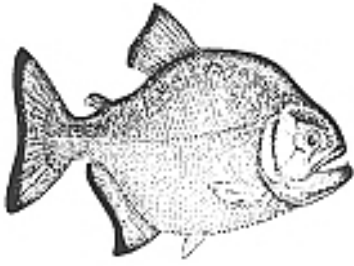
- Solids Size            1.5 inch
- Impeller                28% High Chrome Iron
- Agitator                28% High Chrome Iron
- Wear Plate            28% High Chrome Iron
- Volute                 Ductile Iron
- Seals                  7 stage
- No. Of Bearings    4
- Pump Weight        1734 Lbs
- Dimensions:        28" W x 36" W x 55" H

#### *Motor Specifications*

- Rating                 3 Phase 30 HP
- Voltage                460 Volt
- Current                F.L.A. 42
- Service Factor        1.35
- Thermal Overload    Overheat sensor & relay
- Moisture Sensor      Seal sensor & relay
- RPM                    1200
- Power Cable          50'







# Piranha

## Severe Duty Agitator Slurry Pump

### Model P-50-A

#### 50 HP / 6&8 Inch Discharge

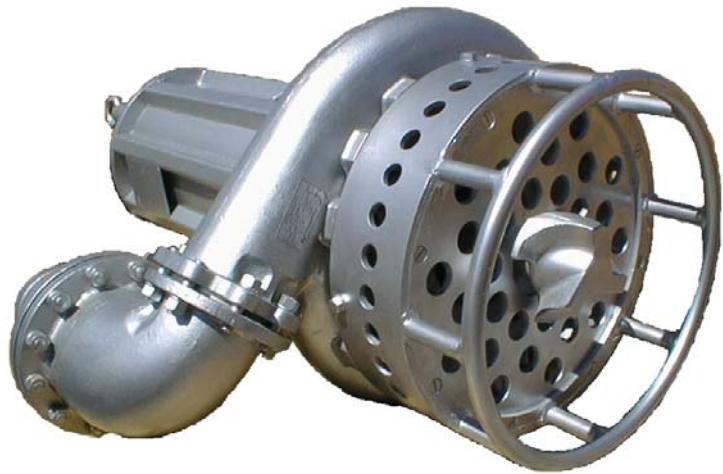
#### 460v/three phase



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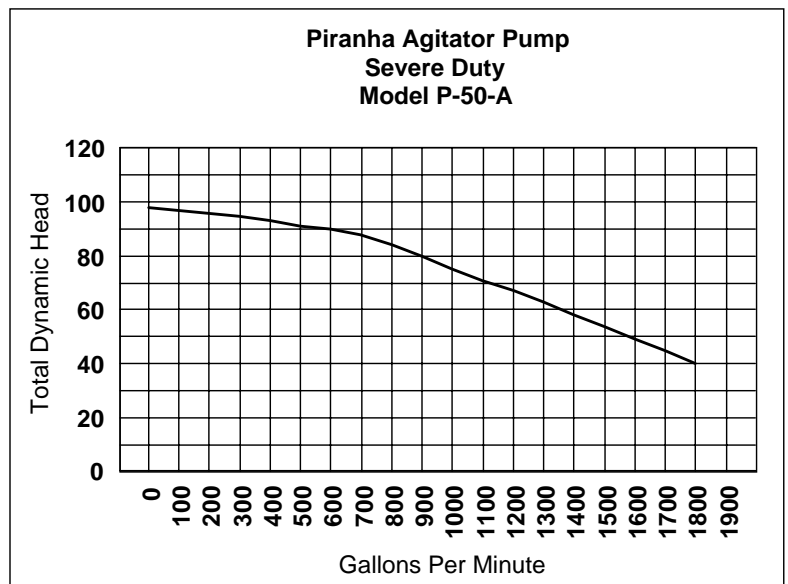


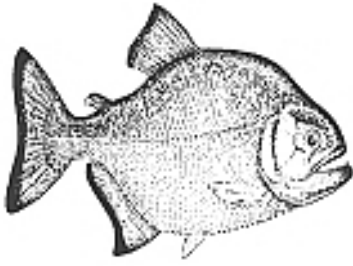
### *Pump Construction*

- Solids Size 2.5 inch
- Impeller 28% High Chrome Iron
- Agitator 28% High Chrome Iron
- Wear Plate 28% High Chrome Iron
- Volute Ductile Iron
- Seals 7 stage
- No. Of Bearings 4
- Pump Weight 2216 Lbs
- Dimensions: 31" W x 40" W x 62" H

### *Motor Specifications*

- Rating 3 Phase 50 HP
- Voltage 460 Volt
- Current F.L.A. 65
- Service Factor 1.35
- Thermal Overload Overheat sensor & relay
- Moisture Sensor Seal sensor & relay
- RPM 1200
- Power Cable 50'





# Piranha

## Severe Duty Agitator Slurry Pump Model P-75-A

### 75 HP / 6&8 Inch Discharge 460v/three phase



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#### *Pump Construction*

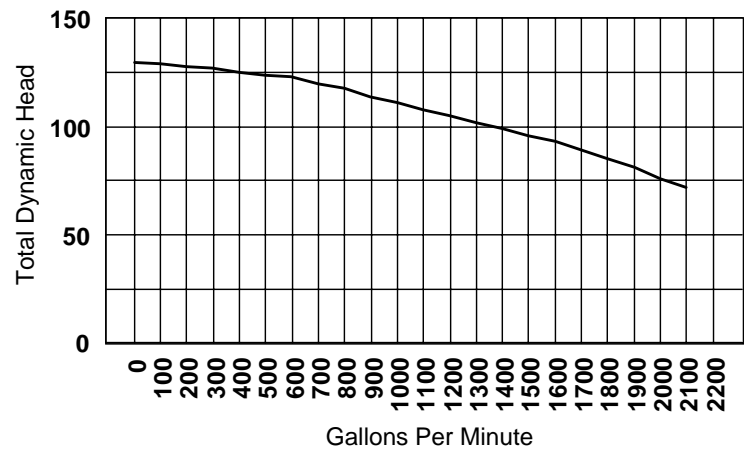
- Solids Size        2.5 inch
- Impeller            28% High Chrome Iron
- Agitator            28% High Chrome Iron
- Wear Plate        28% High Chrome Iron
- Volute              Ductile Iron
- Seals                7 stage
- No. Of Bearings   4
- Pump Weight      2593 Lbs
- Dimensions:      31" W x 42" W x 66" H

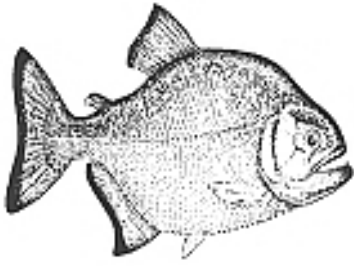


#### *Motor Specifications*

- Rating              3 Phase 75 HP
- Voltage            460 Volt
- Current            F.L.A. 91
- Service Factor    1.35
- Thermal Overload Overheat sensor & relay
- Moisture Sensor   Seal sensor & relay
- RPM                1200
- Power Cable      50'

**Piranha Agitator Pump  
Severe Duty  
Model P-75-A**





# Piranha

## Severe Duty Agitator Slurry Pump

### Model P-75-AJ

### 75 HP / 6&8 Inch Discharge

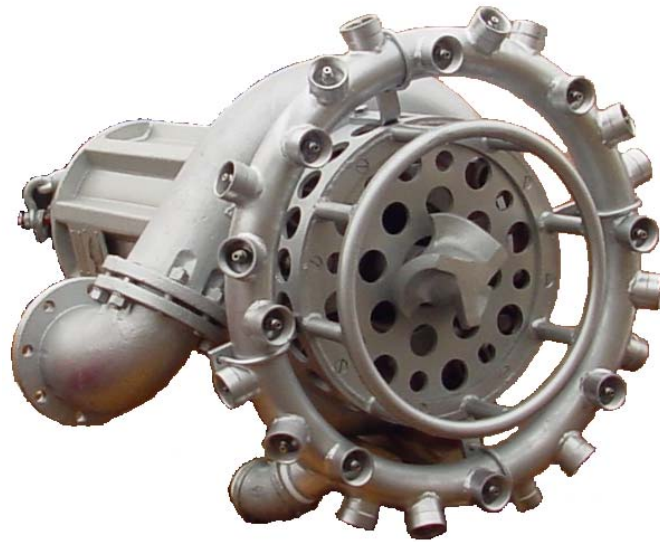
### 460v/three phase



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**Floating Pumps**



#### *Pump Construction*

- Solids Size            2.5 inch
- Impeller                28% High Chrome Iron
- Agitator                28% High Chrome Iron
- Wear Plate            28% High Chrome Iron
- Volute                 Ductile Iron
- Seals                  7 stage
- No. Of Bearings    4
- Pump Weight        2593 Lbs
- Dimensions:        31" W x 42" W x 66" H

#### *Motor Specifications*

- Rating                 3 Phase 75 HP
- Voltage                460 Volt
- Current                F.L.A. 91
- Service Factor        1.35
- Thermal Overload    Overheat sensor & relay
- Moisture Sensor     Seal sensor & relay
- RPM                    1200
- Power Cable          50'

**Piranha Agitator Pump  
 Severe Duty  
 Model P-75-A**

