

From the inventors of the self-priming flexible impeller pump

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**Industrial Flexible Impeller Pumps**  
**Hygienic Flexible Impeller Pumps**  
**Flexible Impeller Pump Accessories**

**These pumps offer unique capabilities which are either not available or costly to acquire with other pumps.**

#### **Capabilities Include:**

- **Immediate self priming**
- **Handling a wide viscosity range**
- **Operating equally well at low and high speeds**
- **Capable of transferring abrasive laden or air entrained liquids**
- **Able to transfer fluids with solids**
- **Compact size**
- **Pumps in either direction and can be mounted in any orientation**
- **Can drain even the last few ounces of liquid from a container**



# Industrial Flexible Impeller Pumps

## Bronze Motor-Driven Pumps

### APPLICATIONS

Excellent self-contained general utility pump. Draining sumps and meter boxes, cooling portable construction or maintenance equipment, or cleaning and washdowns. Use with nitrile impeller for draining crankcase and transmission oils.

General liquid transfers, circulation and processing, velocity mixing, pumping coolants, cellar, yard, and aquarium drainage, cooling arc welders, roof and excavation dewatering, utility shop pump, and animal pen wash downs.

### TECHNICAL DATA

<b>PUMP MODEL NO.</b>	<b>8860-0001</b>
FLOW (10 Ft. Head)	1.7 GPM
PORT SIZE	3/8" NPT – 3/4" Garden Hose Thread
VOLTAGE/Amp Draw	12 Vdc/4.0 Amps
IMPELLER	Neoprene
SHAFT SEAL	Lip Type
SHAFT MATERIAL	Stainless Steel
MOTOR TYPE	Enclosed-Permanent Magnet
SIZE (Height x Width x Length)	3 3/8" x 3 3/4" x 6 3/4"
WEIGHT (Approx.)	4 1/2 lbs.

Available Separately  
Nitrile Impeller No. 14750-0003

#### Head vs. Flow Table

##### 8860-0001

Total Head		
PSI	FT.	GPM
4.3	10	1.7
8.7	20	1.4
13.0	30	1.0

<b>PUMP MODEL NO.</b>	<b>6360-1001</b>	<b>16360-1003</b>
FLOW (10 Ft. Head)	5.4 GPM	7.3 GPM
PORT SIZE	1/2" NPT – 3/4" Garden Hose Thread	1/2" NPT – 3/4" Garden Hose Thread
VOLTAGE/Amp Draw	12 Vdc/6.8 Amps	12 Vdc/9 Amps
IMPELLER	Neoprene	Neoprene
SHAFT SEAL	Lip Type	Lip Type
SHAFT MATERIAL	Stainless Steel	Stainless Steel
MOTOR TYPE	Enclosed-Permanent Magnet	Enclosed-Permanent Magnet
SIZE (Height x Width x Length)	3 3/8" x 4 3/4" x 6 1/2"	3 3/8" x 4 3/4" x 6 7/8"
WEIGHT (Approx.)	4 1/2 lbs.	5 1/2 lbs.

Available Separately  
Nitrile Impeller No. 6360-0003

Variations Available  
Model 16370-1003 – 24 Vdc/6 Amps  
Model 16380-1003 – 32 Vdc/3 Amps  
Available Separately  
Neoprene Impeller No. 6303-0001

#### Head vs. Flow Table

##### 6360-1001

Total Head		
PSI	FT.	GPM
4.3	10	5.4
6.5	15	4.2
8.7	20	2.8

##### 16360-1003

Total Head		
PSI	FT.	GPM
4.3	10	7.3
6.5	15	6.8
8.7	20	5.8

Performance tables show approximate flow in U.S. Gallons Per Minute for a new pump with a Neoprene Impeller. For Nitrile or Viton Impellers, reduce flow by 10%. For Metric conversion of performance and dimensions refer to Engineering Data.



**Explosion hazard. Pumps with AC motors can spark. Do not use where flammable vapors are present. Failure to follow warning can result in property damage, personal injury or death.**

### FEATURES

The most widely applicable general utility pump available. Light-weight, self-contained, durable and instantly self-priming. Heavy-duty bronze pump-heads with long-life motors. Lip seals ride on stainless steel shafts.

12, 24, 32 Vdc close-coupled motor driven pumps deliver 2 to 7 GPM for battery operated systems.

The 115Vac close-coupled motor driven pump models deliver 5.8 to 23 GPM.



**8860-0001**



**6360-1001**



**16360-1003**



# Industrial Flexible Impeller Pumps

## Bronze Motor-Driven Pumps

### TECHNICAL DATA

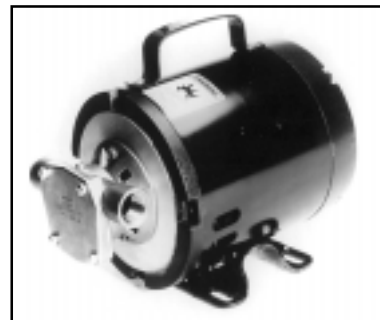
<b>PUMP MODEL NO.</b>	<b>12520-1001</b>
FLOW (10 Ft. Head)	5.8 GPM
PORT SIZE	1/2" NPT – 3/4" Garden Hose Thread
VOLTAGE/AMP DRAW	115 Vac/4 Amps
IMPELLER	Neoprene
SHAFT SEAL	Lip Type
SHAFT MATERIAL	Stainless Steel
MOTOR TYPE	Open Drip Proof, 1/6 HP, 115/1/60
SIZE (Height x Width x Length)	8" x 6" x 9 1/2"
WEIGHT (Approx.)	12 lbs.

**Variations Available**  
 Model 12520-1003 – Nitrile Impeller  
 Model 12520-1004 – Viton Impeller & Seal  
 Model 12520-1271 – 1/4 HP Totally Enclosed Non-Vented Motor, Nitrile Impeller  
 Model 12520-1273 – 1/4 HP Totally Enclosed Non-Vented Motor, Nitrile Impeller  
 Model 12520-1274 – 1/4 HP Totally Enclosed Non-Vented Motor, Viton Impeller & Seal

#### Head vs. Flow Table

##### 12520-1001, 12520-1271

Total Head		
PSI	FT.	GPM
4.3	10	5.8
8.7	20	5.4
13.0	30	4.8
17.3	40	4.0



12520-series



11810-0003

<b>PUMP MODEL NO.</b>	<b>11810-0003</b>	<b>6050-0003</b>
FLOW (10 Ft. Head)	9.5 GPM	23 GPM
PORT SIZE	1/2" NPT – 3/4" Garden Hose Thread	1" NPT
VOLTAGE/AMP DRAW	115 Vac/7 Amps	115 Vac/12Amps
IMPELLER	Nitrile	Nitrile
SHAFT SEAL	Lip Type	Lip Type
SHAFT MATERIAL	Steel*	Steel*
MOTOR TYPE	Open Drip Proof, 1/3 HP, 115/1/60	Open Drip Proof, 3/4 HP, 115/1/60
SIZE (Height x Width x Length)	7 3/4" x 7 1/4" x 10 1/2"	8 19/32" x 8" x 13 1/32"
WEIGHT (Approx.)	20 lbs.	35 1/2 lbs.

\*Seal rides on extended stainless steel impeller insert – liquid pumped does not contact motor shaft.

**Variation Available**  
 Model 11810-0013 – TEFC Motor

**Variation Available**  
 Model 6050-0013 – TEFC Motor



6050-0003

#### Head vs. Flow Table

11810-0003			6050-0003		
Total Head			Total Head		
PSI	FT.	GPM	PSI	FT.	GPM
4.3	10	9.5	4.3	10	23.0
8.7	20	7.6	8.7	20	22.0
13.0	30	6.0	17.3	40	19.5
17.3	40	4.2	26.0	60	15.5

Performance tables show approximate flow in U.S. Gallons Per Minute for a new pump with a Neoprene Impeller. For Nitrile or Viton Impellers, reduce flow by 10%. For Metric conversion of performance and dimensions, refer to Engineering Data.



**Explosion hazard. Pumps with AC motors can spark. Do not use where flammable vapors are present. Failure to follow warning can result in property damage, personal injury or death.**

## Plastic Motor-Driven Pumps

### APPLICATIONS

Widely used on municipal and service vehicles for utility pumping requirements. A great tool for household, construction or maintenance needs; oil changing, draining sumps or meter boxes, cooling cutting equipment. Use versions with nitrile impeller for draining crank case and transmission oils.

Applications include draining or filling aquariums, utility shop pumps, and animal pen washdowns. Many other uses for household, shop and industrial needs.

### TECHNICAL DATA

PUMP MODEL NO.	12460-0011	12560-0001
FLOW (10 Ft. Head)	1.7 GPM	3.7 GPM
PORT SIZE	3/8" NPT – 3/4" Garden Hose Thread	5/8" ID Slip-on Hose
VOLTAGE/AMP DRAW	12 Vdc/4 Amps	12 Vdc/7Amps
IMPELLER	Neoprene	Neoprene
SHAFT SEAL	Lip Type	Lip Type
SHAFT MATERIAL	Stainless Steel	Stainless Steel
MOTOR TYPE	Enclosed Permanent Magnet	Enclosed Permanent Magnet
SIZE (Height x Width x Length)	3 3/8" x 5" x 6 3/8"	3 3/8" x 5" x 6"
WEIGHT (Approx.)	4 lbs.	4 1/2 lbs.

**Available Separately**  
Nitrile Impeller No. 14750-0003

**Available Separately**  
Nitrile Impeller No. 6303-0003

#### Head vs. Flow Table

12460-0011			12560-0001		
Total Head			Total Head		
PSI	FT.	GPM	PSI	FT.	GPM
4.3	10	1.7	2.1	5	4.6
8.7	20	1.4	4.3	10	3.7
13.0	30	1.0	8.7	20	1.7

PUMP MODEL NO.	12310-0001	12290-0001
FLOW (10 Ft. Head)	4.0 GPM	5.8 GPM
PORT SIZE	3/8" NPT – 3/4" Garden Hose Thread	5/8" Slip-on Hose
VOLTAGE/AMP DRAW	115 Vac/2 Amps	115 Vac/4Amps
IMPELLER	Neoprene	Neoprene
SHAFT SEAL	Lip Type	Lip Type
SHAFT MATERIAL	Stainless Steel	Stainless Steel
MOTOR TYPE	Open Drip Proof, 1/12 HP, Intermittent Duty, 115/1/60	Open Drip Proof, 1/6 HP, 115/1/60
SIZE (Height x Width x Length)	3 7/16" x 5" x 7"	7 7/8" x 5 3/4" x 9 1/4"
WEIGHT (Approx.)	5 3/4 lbs.	12 lbs.

**Variation Available**  
Model 12310-0003 – Nitrile Impeller

**Variations Available**  
Model 12290-0003 – Nitrile Impeller  
Model 12290-0004 – Viton Impeller and Seal  
Model 12290-0271 – Neoprene Impeller Totally Enclosed Non-Vented Motor  
Model 12290-0274 – Viton Impeller and Seal, Totally Enclosed Non-Vented Motor

#### Head vs. Flow Table

12310-0001			12290-0001, 12290-0271		
Total Head			Total Head		
PSI	FT.	GPM	PSI	FT.	GPM
4.3	10	4.0	4.3	10	5.8
8.7	20	3.6	8.7	20	5.0
13.0	30	3.2	13.0	30	3.8
17.3	40	2.7			
21.6	50	2.1			

Performance tables show approximate flow in U.S. Gallons Per Minute for a new pump with a Neoprene Impeller. For Nitrile or Viton Impellers, reduce flow by 10%. For Metric conversion of performance and dimensions, refer to Engineering Data Section.



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### FEATURES

These 12 Vdc close coupled, self-priming motor pump units, 2 to 4 GPM, are ideal for battery operated or portable applications. Features stainless steel motor shaft, synthetic lip type seal and inexpensive, corrosion resistant pump body.

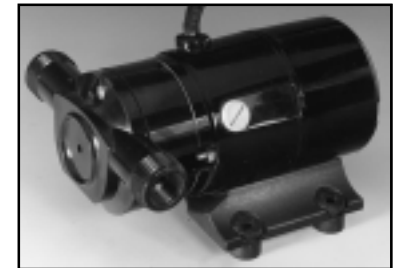
115 Vac close coupled, self-priming motor pump units solve many shop, household and industrial pumping problems.



**12460-0011**



**12560-0001**



**12310-series**



**12290-series**