

**LittleGIANT®**

# INDUSTRIAL PRODUCT CATALOG





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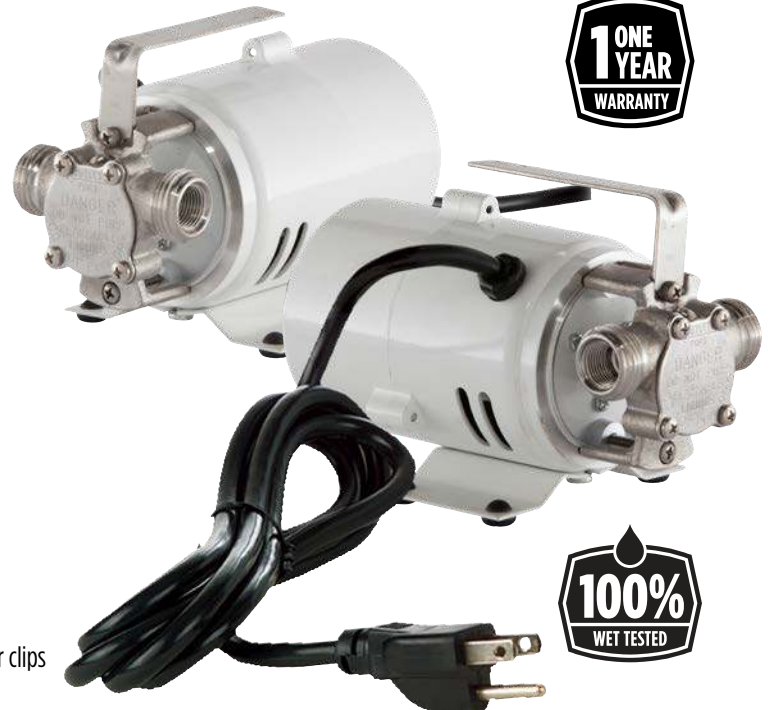
## PONY PUMP® SERIES - 1/10 HP

### APPLICATIONS

A lightweight 115-Volt AC pump that can be used to empty water beds, drain water heaters or aquariums, transfer water to an RV, and other applications. Ideal for commercial, industrial and residential uses where water must be transferred.

### FEATURES

- Self-priming for instant delivery or dewatering up to 6 feet (1.8 m)
- Non-submersible stainless steel or plated brass pump body
- Rugged metallic handle for easy portability
- Dual threaded intake and discharge with both 3/4-inch male garden hose thread and 3/8-inch FNPT
- Model 360K includes pump, hose, strainer, and suction adapter
- Separate kit options available
- Includes 2 extra impellers and gasket
- Model 365 and 365S include 6-foot (1.8 m) lead wires with battery alligator clips
- Models 360 and 365 have a nitrile shaft seal
- Model 370 has a fluoroelastomer shaft seal for improved temperature and abrasion resistance



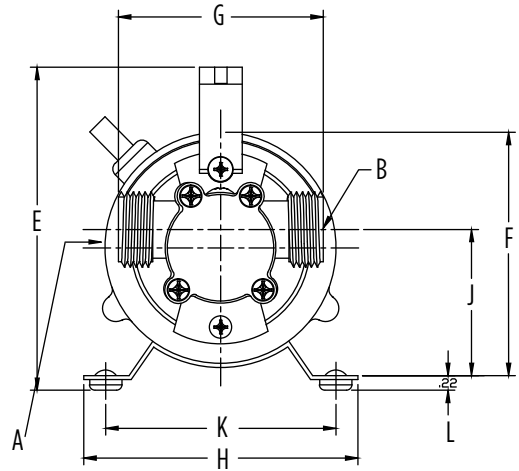
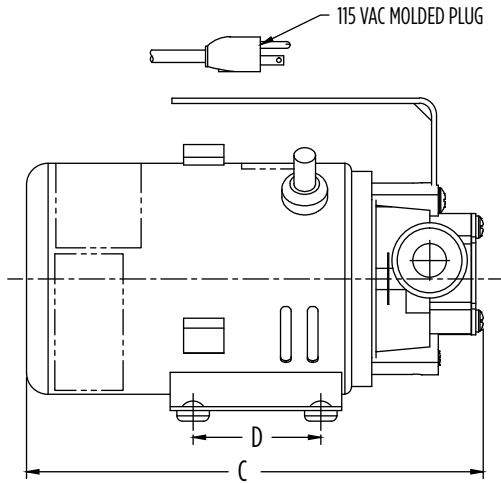
### SERIES SPECIFICATIONS

Volts	Hz	Amps		Watts	Gallons per hour (Liters per hour) @ Height				Shut-Off	PSI
		FLA	Start		1'	5'	10'	20'		
115	60	1.6	2.4	91	360 (1363)	330 (1249)	300 (1136)	250 (946)	25' (7.6 m)	10.8
12 VDC	-	7	14	84	300 (1136)	270 (1022)	240 (908)	202 (765)	25' (7.6 m)	10.8

Item No.	Model	HP	Volts	Material	Operation	Cord	Weight lbs (Kg)
555112	360	1/10	115	Plated Brass	Self-Priming	6' (1.8 m)	3.4 (1.54 Kg)
555113	370	1/10	115	Plated Brass	Self-Priming	6' (1.8 m)	4.7 (2.12 Kg)
555602	365	1/10	12 VDC	Plated Brass	Self-Priming	6' Leads w/clips (1.8 m)	4.7 (2.12 Kg)
555203	365S	1/10	12 VDC	Stainless Steel	Self-Priming	6' Leads w/clips (1.8 m)	4.7 (2.12 Kg)
555111	360K	1/10	115	Plated Brass	Self-Priming	6' (1.8 m)	8.0 (3.6 Kg)

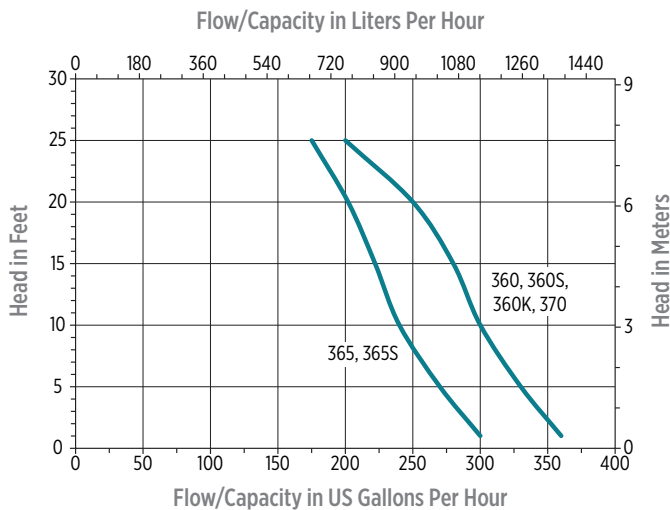
## PONY PUMP® SERIES - 1/10 HP

### ENGINEERING DATA



Model	A	B	C	D	E	F	G	H	J	K	L
115 V	3/4" GHT (1.91 cm)	3/8" NPT (0.95 cm)	6.73" (17.09 cm)	1.87" (4.75 cm)	4.68" (11.89 cm)	3.90" (9.91 cm)	3.00" (7.62 cm)	4.25" (10.80 cm)	2.26" (5.74 cm)	3.37" (8.56 cm)	0.22" (0.56 cm)
12 VDC	3/4" GHT (1.91 cm)	3/8" NPT (0.95 cm)	5.93" (15.06 cm)	1.87" (4.75 cm)	4.18" (10.62 cm)	3.13" (7.95 cm)	3.00" (7.62 cm)	3.37" (8.56 cm)	1.82" (4.62 cm)	3.37" (8.56 cm)	0.22" (0.56 cm)

### PERFORMANCE DATA



### OPTIONAL KITS

Item No.	Model	Includes	Kit Used On
555702	HRK-360S	(2) Each - Buna Impeller with SST Insert, Buna Cover Gaskets (1) Each - SST Cam, SST Cam Screws, SST Volute Cover, Cam Gasket (4) Each - Volute Cover Screws	All Models
555706	IRK-360	(2) Each - Buna Impellers with Brass Insert, Buna Cover Gaskets	555111, 555112, 555602
555713	IRK-360S	(2) Each - Buna Impellers with SST Insert, Buna Cover Gaskets	555110, 555203
555714	ISRK-360S	(2) Each - Buna Impellers with SST Insert, Buna Cover Gaskets (1) Each - Slinger, GF-PPS U-Cup Seal, Felt Washer, Retainer Ring	All Models



## UPSP-5 SERIES - 1/2 HP

### APPLICATIONS

Portable utility transfer pump perfect for intermittent duty, moving water from one location to another. The pump can be used to pump water from flooded basements, watering lawns and gardens, and draining water heaters. The pump can also be used to boost water pressure for washing vehicles, sidewalks and more.

### FEATURES

- Non-submersible, in-line, portable, all cast iron utility transfer pump with integral carrying handle
- Self-priming to 15 feet (4.6 m) when priming chamber is filled
- Priming chamber plug can be removed and installed by hand and features an o-ring seal
- Convenient 3/4-inch (19 mm) brass garden hose adapters on intake and discharge
- Engineered thermoplastic impeller
- 3/4-inch (19 mm) FNPT discharge
- 140 °F (60 °C) liquid temperature rating
- cCSAus listed
- Includes wire form stainless steel suction strainer accessory

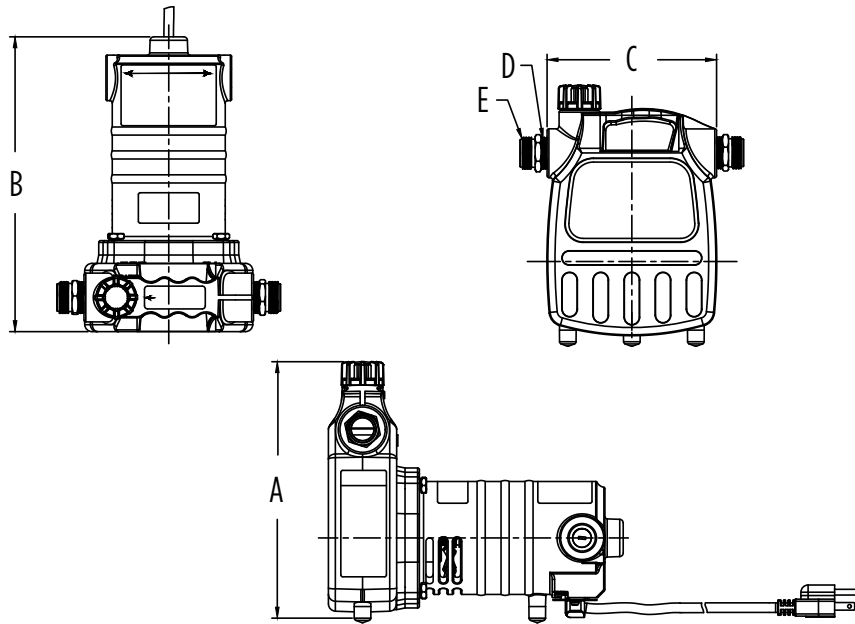


### SERIES SPECIFICATIONS

Item No.	Model	Operation	Volts	Hz	Amps	Watts	Gallons per hour (Liters per hour) @ Height					Cord	Shut-Off	PSI	Weight lbs (Kg)
							20'	40'	60'	80'	100'				
555104	UPSP-5	Self-Priming	115	60	10	1020	1600 (6057)	1400 (5300)	1200 (4542)	1000 (3785)	800 (3028)	10' (3 m)	145' (44 m)	62.9	21.25 (9.64 Kg)

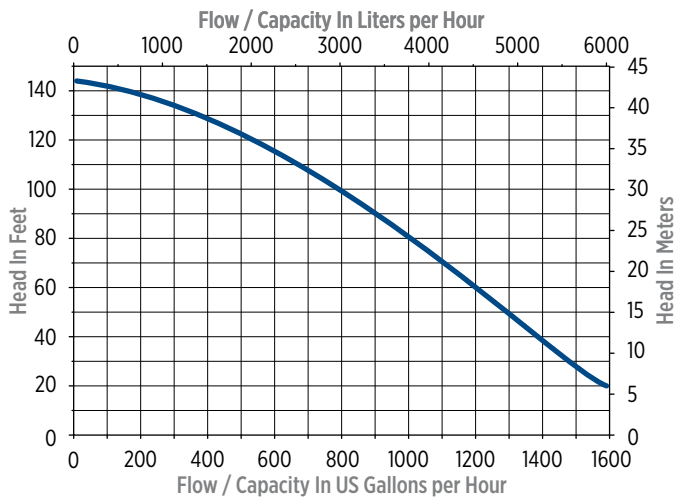
## UPSP-5 SERIES - 1/2 HP

### ENGINEERING DATA



A	B	C	D	E
8.6" (2.2 cm)	10.0" (2.54 cm)	5.6" (1.4 cm)	3/4" MNPT (1.91 cm)	3/4" MGHT (1.91 cm)

### PERFORMANCE DATA



### CONSTRUCTION

<b>Motor Housing</b>	Cast iron
<b>Impeller Material</b>	Thermoplastic
<b>Impeller Type</b>	Semi-open
<b>Volute</b>	Cast iron
<b>Motor Shaft</b>	Carbon steel
<b>Shaft Seal</b>	Carbon/ceramic
<b>Fasteners</b>	Stainless steel
<b>Bearings</b>	Front and back ball bearings
<b>Power Cord</b>	SJT



## 5 SERIES - 1/6 HP

### APPLICATIONS

The 5-Series is one of the most compact utility pumps on the market. Ideal for light commercial and multi-purpose residential applications where water removal, transfer, or circulation is required.

### FEATURES

- Corrosion- and rust-resistant, epoxy-coated cast aluminum pump housing gives strength and high heat dissipation for both consumer and professional use
- Rated for continuous duty which allows for a wide range of applications and uses
- Compact design (with manual version weighing in just under seven pounds) makes this pump truly portable
- 1/6 hp energy efficient and oil-free PSC motor is environmentally friendly and delivers 1500 gph maximum capacity
- Fluoroelastomer (FKM) triple-lip seal
- Upper and lower ball bearings for long life
- 1-inch FNPT (25.4 mm) discharge (includes garden hose adapter for quick plug and play)
- Removable inlet screen allows for easy cleaning without tools
- In manual operation, pumps down to 1/8-inch (3.2 mm) with screen, and down to 1/16-inch (1.6 mm) without screen to reduce overall water removal clean up time and effort
- Multiple switch options for automatic operation gives application flexibility
- Multiple power cord lengths available
- 120 °F (49 °C) maximum liquid temperature rating
- cULus on items 505723, 505712, 505714, 505715, 505717



5-MSP

5-ASP



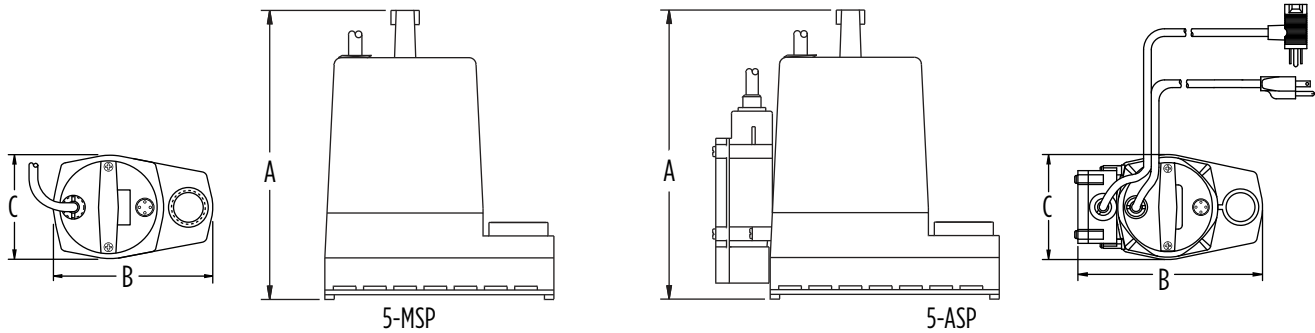
### SERIES SPECIFICATIONS

Volts	Hz	Amps FLA	Watts	Gallons per minute (Liters per Minute) @ Height					Shut-Off	PSI
				1'	3'	5'	10'	20'		
115	60	2.0	220	1500 (5678)	1464 (5542)	1395 (5281)	1191 (4508)	528 (1999)	26' (7.9 m)	11.43
230	60	1.0	220	1500 (5678)	1464 (5542)	1395 (5281)	1191 (4508)	528 (1999)	26' (7.9 m)	11.43

Item No.	Model	HP	Volts	Switch Type / Operation	On Level	Off Level	Cord	Weight lbs (Kg)
505715	5-ASP	1/6	115	Piggyback Diaphragm (Standard Version)	6" - 9" (15.2 cm - 22.9 cm)	1" - 4" (2.5 cm - 10.2 cm)	10' (3 m)	7.5 (3.4 Kg)
505717	5-ASP-LL	1/6	115	Piggyback Diaphragm (Low Level Version)	2" - 3" (5.1 cm - 7.6 cm)	1/2" - 1-1/2" (1.3 cm - 3.8 cm)	18' (5.5 m)	8.0 (3.6 Kg)
505723	5-MSP	1/6	115	Manual	-	-	10' (3 m)	7 (3.2 Kg)
505712	5-MSP	1/6	115	Manual	-	-	25' (7.6 m)	7.4 (3.4 Kg)
505714	5-MSP	1/6	230	Manual	-	-	12' (3.7 m)	7 (3.2 Kg)
505721	5-MSP	1/6	127	Manual	-	-	18' (5.5 m)	7.2 (3.3 Kg)

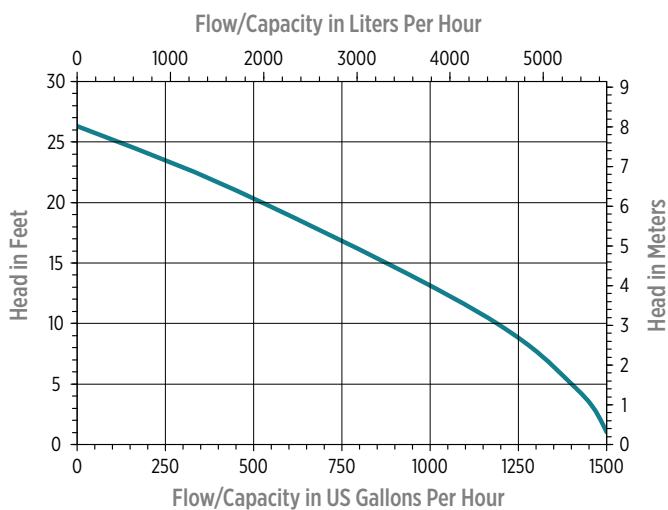
## 5 SERIES - 1/6 HP

### ENGINEERING DATA



Model	A	B	C
5-MSP	8.07" (20.50 cm)	6.10" (15.50 cm)	4.29" (10.90 cm)
5-ASP	8.07" (20.50 cm)	7.75" (19.69 cm)	4.29" (10.90 cm)

### PERFORMANCE DATA



### CONSTRUCTION

<b>Motor Housing</b>	Epoxy-coated cast aluminum
<b>Impeller Material</b>	Nylon
<b>Impeller Type</b>	Semi-open
<b>Volute</b>	Nylon
<b>Motor Shaft</b>	Stainless steel
<b>Shaft Seal</b>	Fluoroelastomer (FKM)
<b>Fasteners</b>	Stainless steel
<b>Bearings</b>	Upper and lower ball bearing
<b>Power Cord</b>	SJTW
<b>RPM</b>	3450
<b>Motor Type</b>	PSC



## FLS/FS SERIES - 1/2 HP, 1 HP

### APPLICATIONS

A submersible utility pump that is ideal for water transfer or recirculation and general construction dewatering.

### FEATURES

- Permanent split capacitor (PSC) motor with overload protection
- Designed for continuous duty
- 2-inch MNPT discharge
- 120 °F (49 °C) liquid temperature rating



FLS-400

FS-750



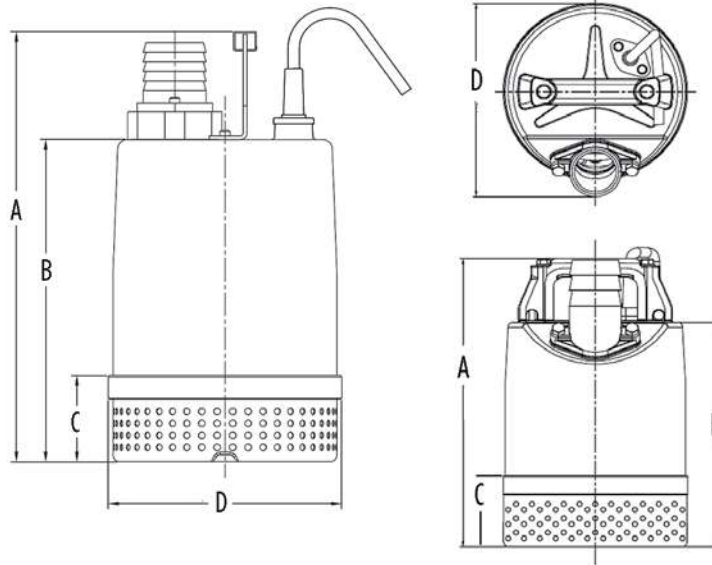
### SERIES SPECIFICATIONS

HP	Volts	Hz	Amps		Watts	Gallons per minute (Liters per minute) @ Height						Shut-Off	PSI
			FLA	Start		5'	10'	15'	20'	30'	40'		
1/2	115	60	5	24	488	60 (227)	54 (204)	42 (159)	20 (76)	-	-	37' (11.3 m)	16
1	115	60	10	47.6	950	80 (303)	76 (288)	73 (276)	68 (257)	54 (204)	38 (144)	52' (15.8 m)	22.5

Item No.	Model	HP	Volts	Switch Type / Operation	Cord	Weight lbs (Kg)
620240	FLS-400	1/2	115	Manual	20' (6.1 m)	24 (10.89 Kg)
620241	FS-750	1	115	Manual	20' (6.1 m)	35 (15.88 Kg)

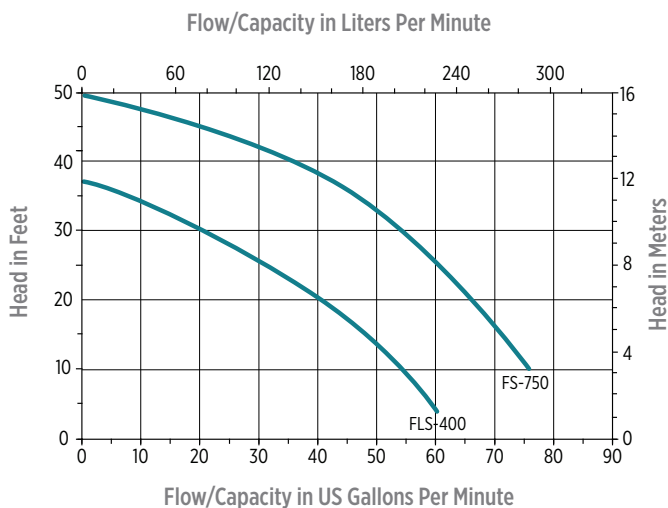
## FLS/FS SERIES - 1/2 HP, 1 HP

### ENGINEERING DATA



Model	A	B	C	D
FLS-400	11.93" (30.30 cm)	9.3" (23.62 cm)	2" (5.08 cm)	7.99" (20.29 cm)
FL-750	13.94" (35.41 cm)	10.79" (27.41 cm)	2.84" (7.21 cm)	7.24" (18.39 cm)

### PERFORMANCE DATA



### CONSTRUCTION

<b>Motor Housing</b>	Stainless steel
<b>Impeller Material</b>	Urethane rubber (620240) Balanced ductile iron (620241)
<b>Impeller Type</b>	Semi-open
<b>Volute</b>	Cast iron
<b>Motor Shaft</b>	Stainless steel
<b>Seals</b>	Double mechanical seals (lower - silicon carbide on silicon carbide, upper - carbon on ceramic)
<b>Fasteners</b>	Plated steel
<b>Bearings</b>	Upper and lower ball bearings
<b>Power Cord</b>	SJTW 14/3



## 1-EA SERIES - 1/125 HP

### APPLICATIONS

Dual purpose epoxy encapsulated pump that may be used totally submersed or in-line (fed with pipe or hose). For commercial, industrial and home applications including statuary fountains, water displays, air conditioners, machine tool coolants and many other applications where liquid must be transferred or recirculated.

### FEATURES

- For submersible or in-line use
- Epoxy encapsulated motor
- 7-foot maximum lift
- Fluoroelastomer (FKM) shaft seal
- 1/4-inch MNPT discharge
- Thermal overload protection



1-EA-42



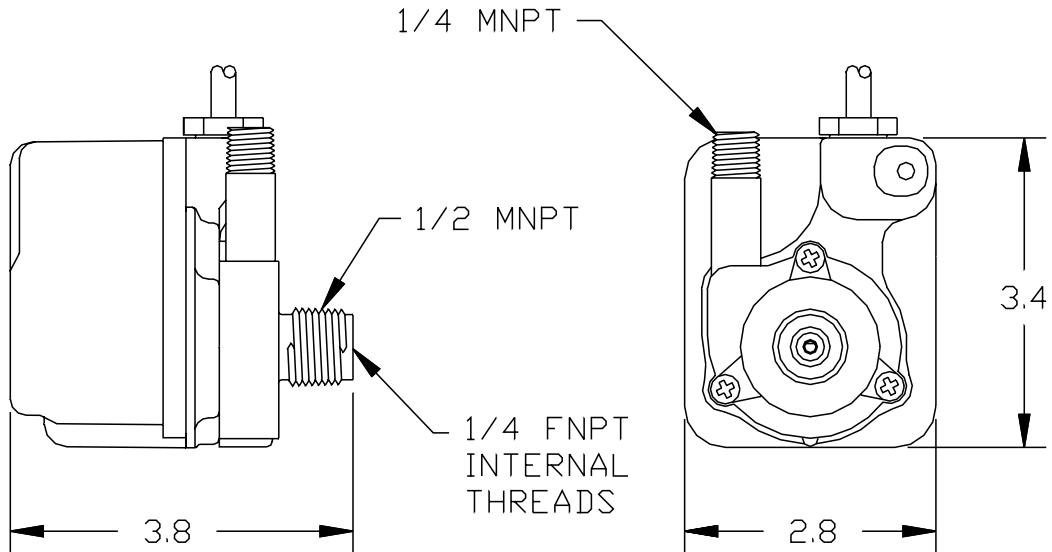
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liters per hour) @ Height			Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	5'				
518087	1-EA-42	1/4" MNPT	1/2" MNPT & 1/4" FNPT	UL/CSA	1/125	115	60	0.6	36	170 (644)	140 (530)	100 (379)	7' (2.1 m)	3.0	10' (3 m)	3.17 (1.43 Kg)

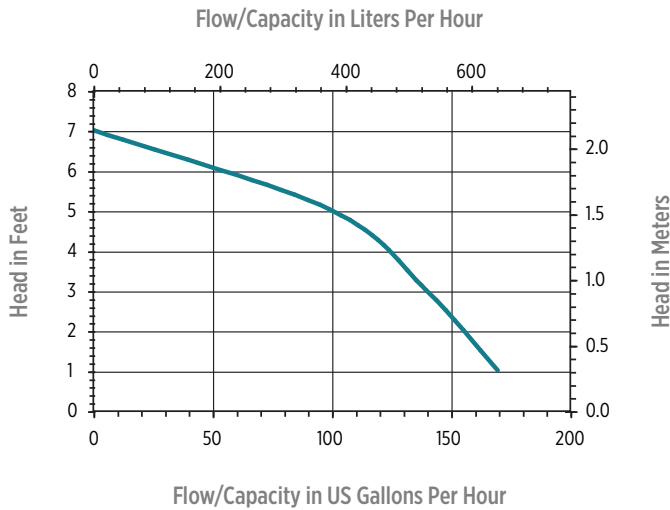
# SMALL SUBMERSIBLE PUMPS

## 1-EA SERIES - 1/125 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	101377
<b>Impeller</b>	118442
<b>Gasket</b>	131009



## PE-1 SERIES - 1/125 HP

### APPLICATIONS

Small submersible epoxy encapsulated pump for commercial, industrial and home use. Applications include statuary fountains, water displays, air conditioners, machine tool coolants, and many other applications where liquid must be transferred or recirculated.

### FEATURES

- Epoxy encapsulated motor
- 7-foot maximum lift
- Screened inlet
- 1/4-inch MNPT discharge (accepts 1/2-inch I.D. tubing)
- Impedance protected motor
- For submersible use only



PE-1

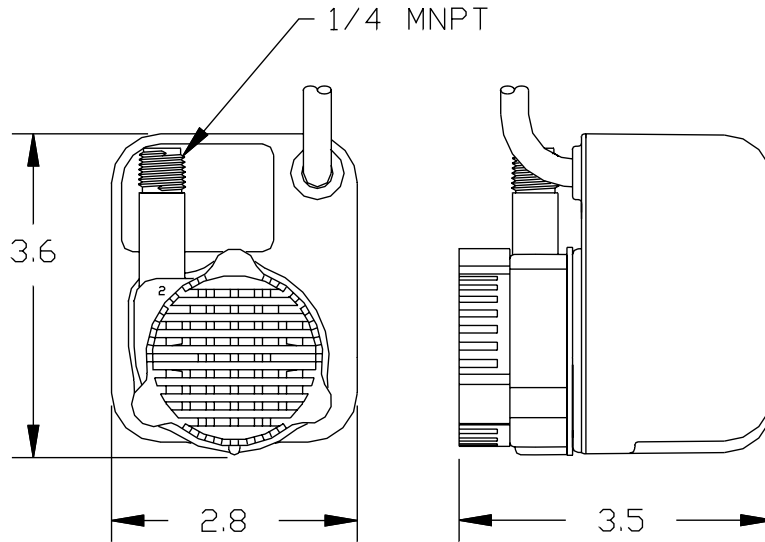


### SERIES SPECIFICATIONS

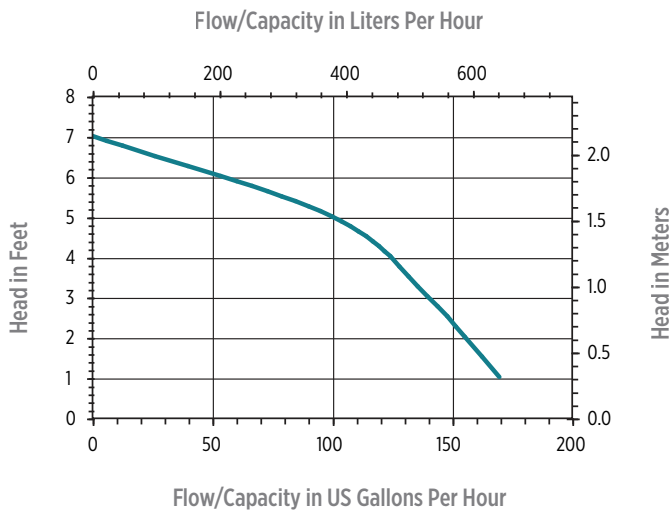
Item No.	Model	Discharge	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liters per hour) @ Height			Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	3'	5'				
518200	PE-1	1/4" MNPT	UL/CSA	1/125	115	60	0.6	36	170 (644)	140 (530)	100 (379)	7' (2.1 m)	3.0	6' (1.8 m)	3 (1.36 Kg)

## PE-1 SERIES - 1/125 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	101375 (118340, PE-1H)
<b>Impeller</b>	118441
<b>Screen</b>	118901
<b>Gasket</b>	101604



## PE-2 SERIES - 1/40 HP

### APPLICATIONS

Developed with a durable and crack-resistant epoxy-encapsulated motor design, the PE-2 Series is ideal for water transfer or recirculation and water displays. By operating continuously, this direct-drive pump produces greater starting torque and more pressure than comparable mag-drive pumps. Direct-drive pumps are ideal for use in filtration, waterfalls, and streams.

### FEATURES

- 1/40 hp epoxy encapsulated, direct-drive motor
- 12.2-foot maximum lift
- Glass-filled polyester housing
- Nylon volute
- Fluoroelastomer (FKM) shaft seal
- Snap-off screen covers intake



PE-2H



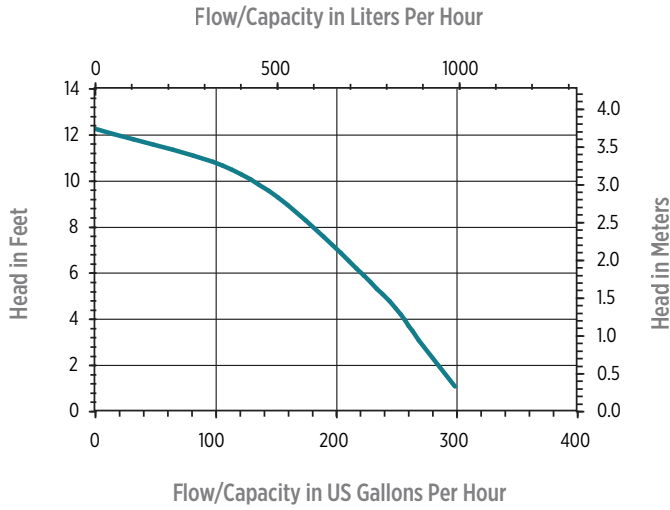
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height				Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	3'	5'	10'				
518400	PE-2H	1/4" MNPT	UL/CSA	1/40	115	60	0.8	47	300 (1136)	270 (1022)	240 (908)	130 (492)	12.2' (3.7 m)	3.72	6' (1.8 m)	4.2 (1.9 Kg)

# SMALL SUBMERSIBLE PUMPS

## PE-2 SERIES - 1/40 HP

### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Intake Screen</b>	102376
<b>Screw, 8-18 X 1/4" SST</b>	902420
<b>Volute, hooded</b>	102332
<b>Volute, 3/8" FPT</b>	102375
<b>Gasket</b>	102601
<b>Impeller</b>	102703



## PE-2.5F SERIES - 1/28 HP

### APPLICATIONS

Small submersible epoxy encapsulated pump for commercial, industrial and home use. Applications include statuary fountains, water displays, air conditioners, machine tool coolants, and many other applications where liquid must be transferred or recirculated.

### FEATURES

- Epoxy encapsulated motor
- 13.4-foot maximum lift
- Screened inlet
- 3/8-inch MNPT discharge
- Thermal overload protection
- For submersible use only



PE-2.5F



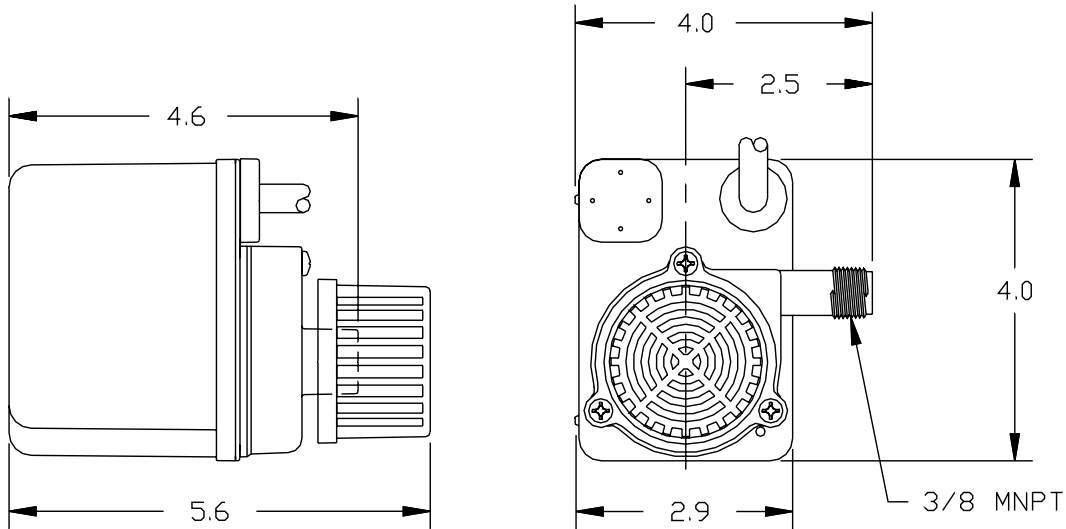
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height				Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	3'	5'	10'				
518600	PE-2.5F	3/8" MNPT	UL/CSA	1/28	115	60	1.4	80	475 (1798)	440 (1666)	395 (1495)	205 (776)	13.4' (4.1 m)	5.8	6' (1.8 m)	4.67 (2.12 Kg)

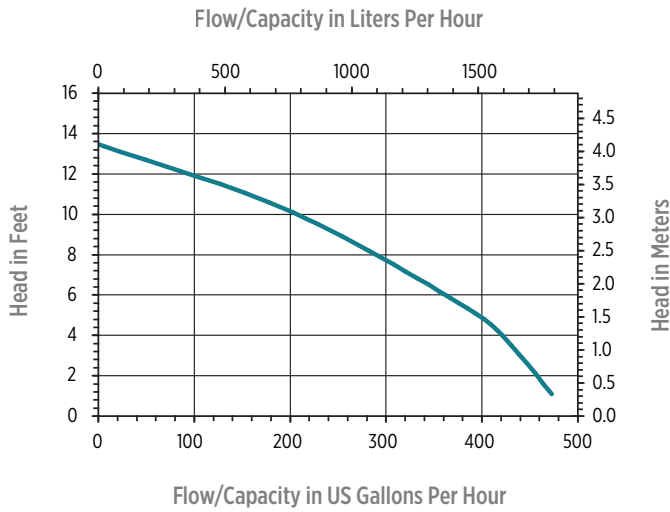
# SPECIALTY PUMPS

## PE-2.5F SERIES - 1/28 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	118358
<b>Impeller</b>	118444
<b>Screen</b>	118911
<b>Seal Ring</b>	928011
<b>Gasket</b>	941001



## 1-A SERIES - 1/28 HP

### APPLICATIONS

Small submersible oil-filled pump with epoxy coated cast aluminum housing. For commercial, industrial and home applications including statuary fountains, water displays, air conditioners, machine tool coolants, and many other applications where liquid must be transferred or recirculated.

### FEATURES

- Epoxy coated die-cast aluminum housing
- Oil-filled motor housing
- 7-foot maximum lift
- Screened inlet
- 1/4-inch MNPT discharge
- Impedance protected motor
- For submersible use only



1-A



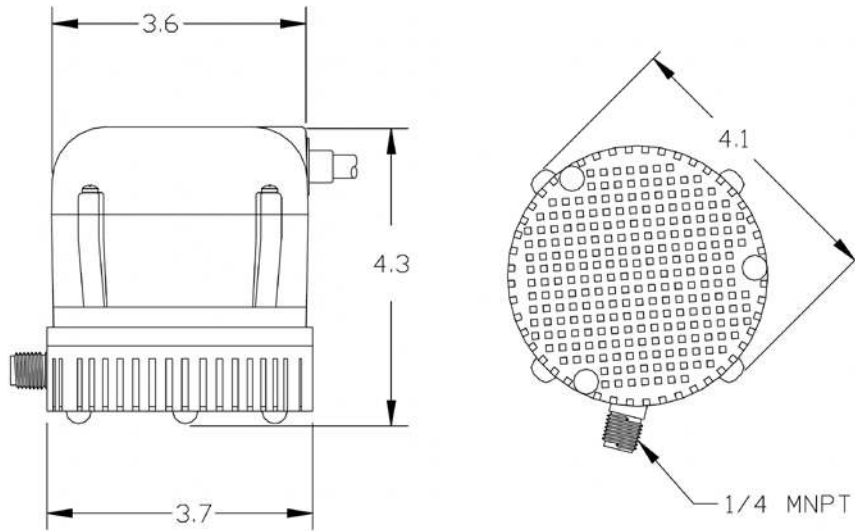
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height			Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	3'	5'				
500500	1-AA-18	1/4" MNPT	UL/CSA	1/200	115	60	1.1	70	170 (644)	140 (530)	100 (379)	7' (2.1 m)	3.0	18' (5.5 m)	4.17 (1.89 Kg)
500203	1-A	1/4" MNPT	UL	1/200	115	60	1.1	70	170 (644)	140 (530)	100 (379)	7' (2.1 m)	3.0	6' (1.8 m)	3.33 (1.51 Kg)
500286	1-AT	1/4" MNPT	UL/CSA	1/200	115	60	1.1	70	170 (644)	140 (530)	100 (379)	7' (2.1 m)	3.0	10' (3 m)	3.50 (1.59 Kg)

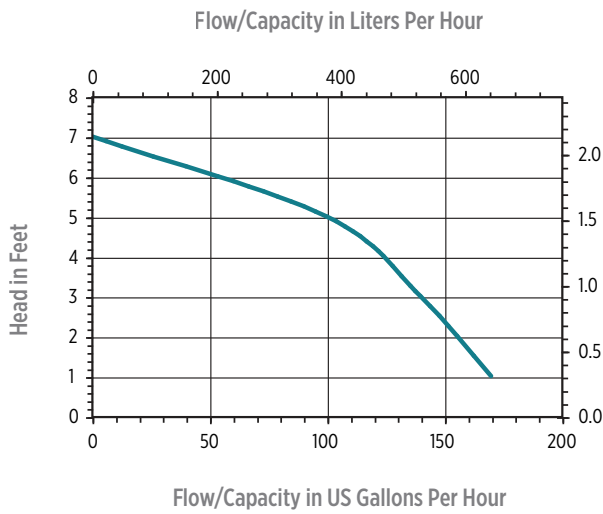
# SMALL SUBMERSIBLE PUMPS

## 1-A SERIES - 1/28 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	101350
<b>Impeller</b>	101441
<b>Screen</b>	101901
<b>Elbow</b>	943070



## 1-MA SERIES - 1/200 HP

### APPLICATIONS

Small submersible oil-filled pump with epoxy coated cast aluminum housing. For commercial, industrial and home applications including statuary fountains, water displays, air conditioners, machine tool coolants, and many other applications where liquid must be transferred or recirculated.

### FEATURES

- Epoxy coated die-cast aluminum housing
- Oil-filled motor housing
- 7-foot maximum lift
- Screened inlet
- 1/4-inch MNPT discharge
- For submersible use only



1-MA



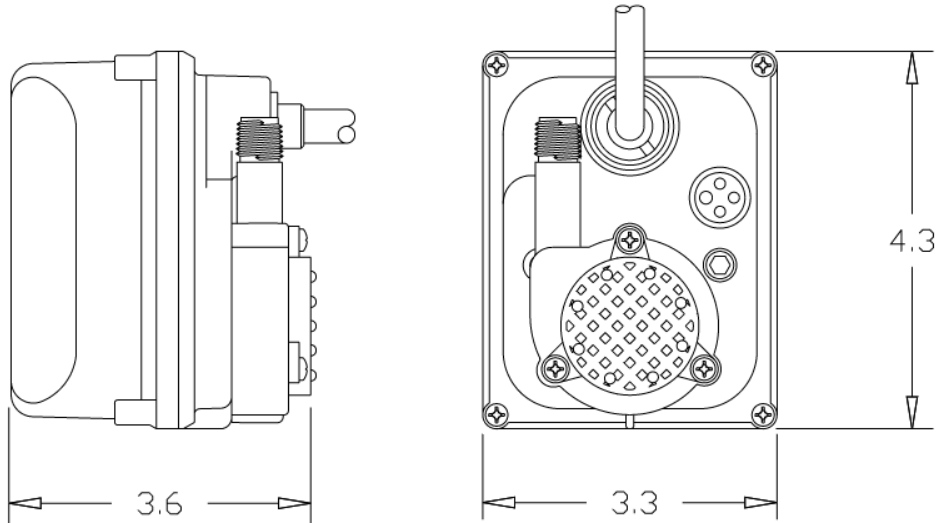
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height			Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	3'	5'				
521203	1-MA	1/4" MNPT	UL	1/200	115	60	1.1	70	170 (644)	140 (530)	100 (379)	7' (2.1 m)	3.0	6' (1.8 m)	3.17 (7.7 Kg)
521500	1-MA	1/4" MNPT	UL	1/200	127	60	1.1	70	170 (644)	140 (530)	100 (379)	7' (2.1 m)	3.0	6' (1.8 m)	3.17 (7.7 Kg)

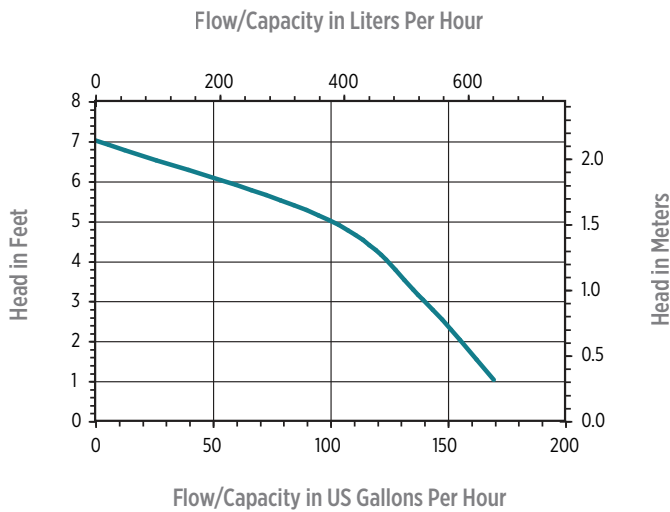
# SMALL SUBMERSIBLE PUMPS

## 1-A SERIES - 1/28 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	101350
<b>Impeller</b>	101441
<b>Screen</b>	122903



## 1-42 SERIES - 1/150 HP

### APPLICATIONS

Dual purpose oil-filled pump that may be used totally submersed or in-line (fed with pipe or hose). For commercial, industrial and home applications including statuary fountains, water displays, air conditioners, machine tool coolants, and many other applications where liquid must be transferred or recirculated.

### FEATURES

- For submersed or in-line use
- Epoxy coated die-cast aluminum housing
- Oil-filled motor
- 7.4-foot maximum lift
- Nylon volute and impeller
- 1/4-inch MNPT discharge
- Thermal overload protection



1-42



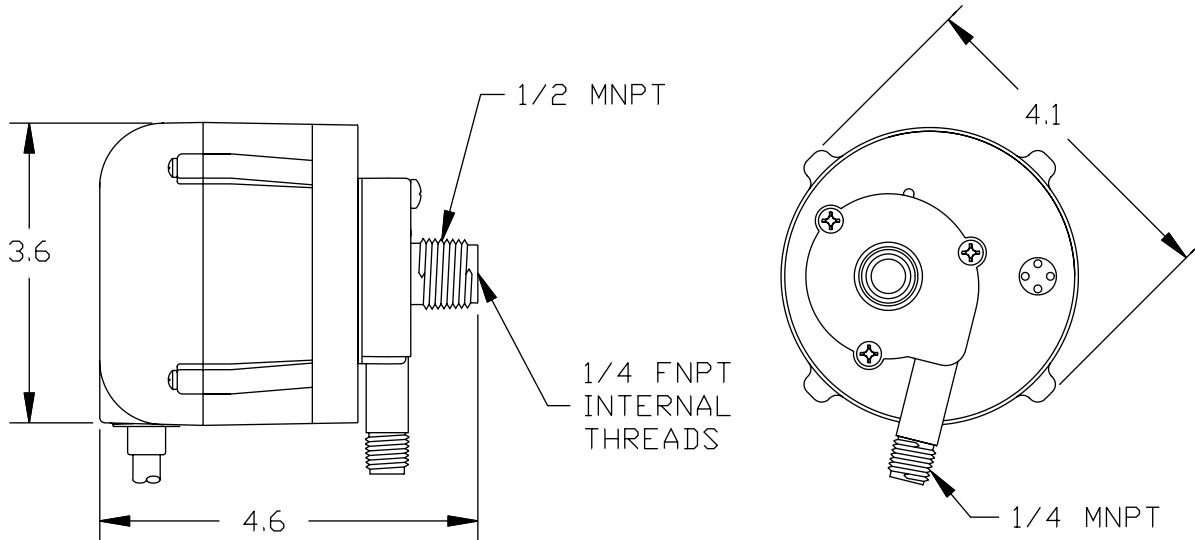
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height			Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	5'				
501203	1-42	1/4" MNPT	1/2" FNPT & 1/4" FNPT	UL	1/150	115	60	1.1	70	205 (776)	168 (636)	120 (454)	7.4' (2.3 m)	3.2	6' (1.8 m)	3.5 (1.59 Kg)

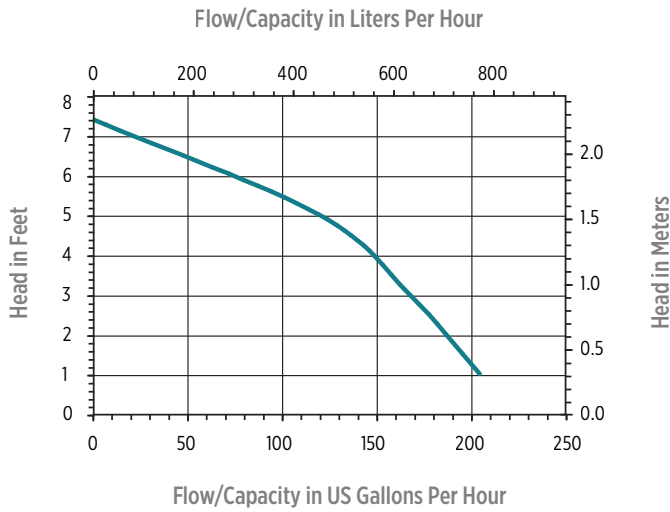
# SMALL SUBMERSIBLE PUMPS

## 1-42 SERIES - 1/150 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	101330
<b>Impeller</b>	101442
<b>Screen</b>	131009



## 1 SERIES - 1/150 HP

### APPLICATIONS

Engineered for continuous duty use, the 1-Series is a high-quality submersible pump used in water transfer or recirculating applications. Made of epoxy coated die-cast aluminum housing and cover for durability, it includes an oil-filled direct-drive motor with thermal overload protection and polypropylene impeller and volute. With a 7.4 maximum lift and 205 gph at 1' head capability, the 1-Series is a solid performer.

### FEATURES

- Epoxy coated die-cast aluminum housing
- Oil-filled motor
- 7.4-foot maximum lift
- 70 watts
- 1/4-inch MNPT discharge
- Thermal overload protection (except 501003)
- For submersible use only



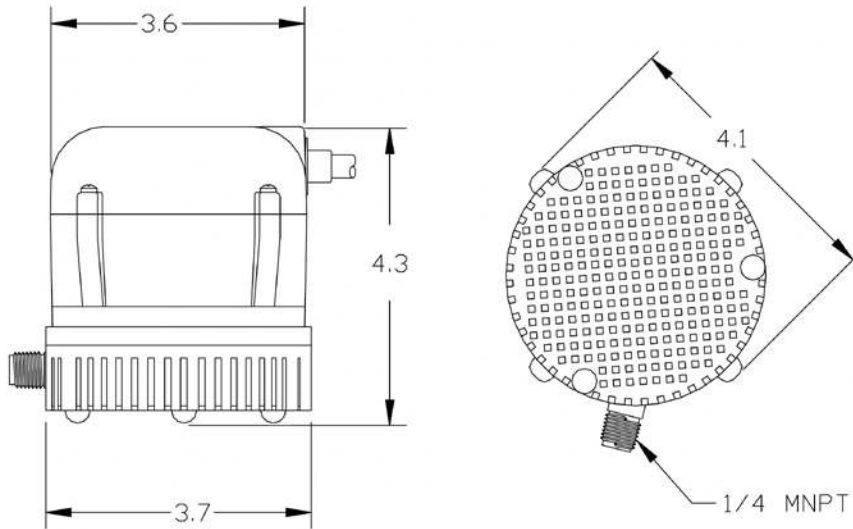
### SERIES SPECIFICATIONS

Item No.	Model	Discharge Size	Listing	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height			Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	3'	5'				
501003	1	1/4" MNPT	UL	1/150	115	60	1.1	70	205 (776)	168 (636)	120 (454)	7.4' (2.3 m)	3.2	6' (1.8 m)	3.5 (1.59 Kg)
501016	1-Y	1/4" MNPT	UR	1/150	230	50/60	.6/4	70	205 (776)	168 (636)	120 (454)	7.4' (2.3 m)	3.2	12' (3.7 m)	3.8 (1.72 Kg)

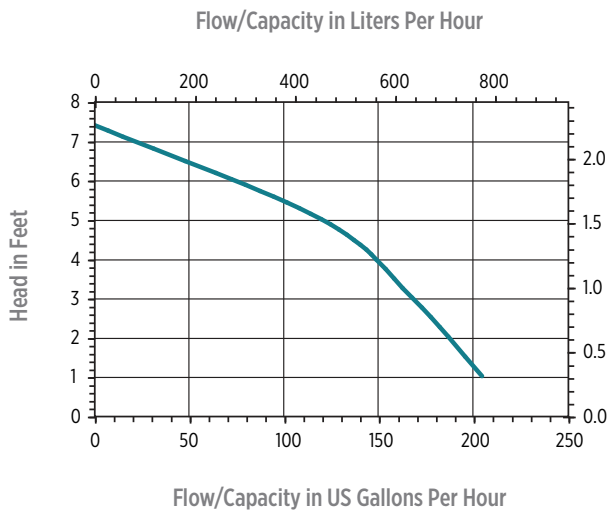
# SMALL SUBMERSIBLE PUMPS

## 1 SERIES - 1/150 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	101375
<b>Impeller</b>	101441
<b>Screen</b>	101376
<b>Elbow</b>	943470



## 2E-N SERIES - 1/40 HP

### APPLICATIONS

Small submersible oil-filled pump with epoxy coated cast aluminum housing. For commercial, industrial and home applications including statuary fountains, water displays, air conditioners, machine tool coolants, and many other applications where liquid must be transferred or recirculated.

### FEATURES

- Epoxy coated die-cast aluminum housing
- Oil-filled motor
- 11.8-foot maximum lift
- Screened inlet
- 1/4-inch MNPT discharge
- Thermal overload protection
- For submersible use only



2E-N



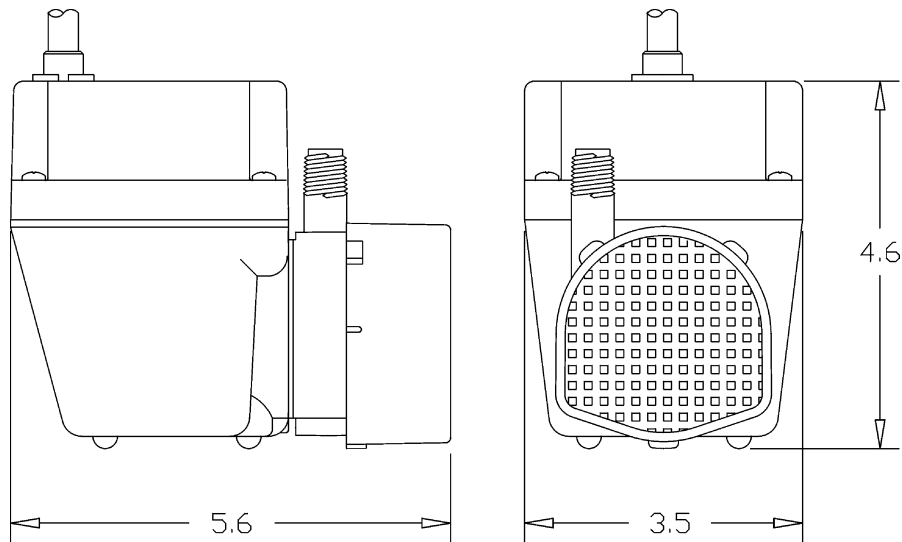
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Listing	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height				Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	3'	5'	10'				
502103	2E-N	1/4" MNPT	UL	1/40	115	60	1.7	100	300 (1136)	255 (965)	205 (776)	70 (265)	11.8' (3.6 m)	5.1	6' (1.8 m)	4.67 (2.12 Kg)

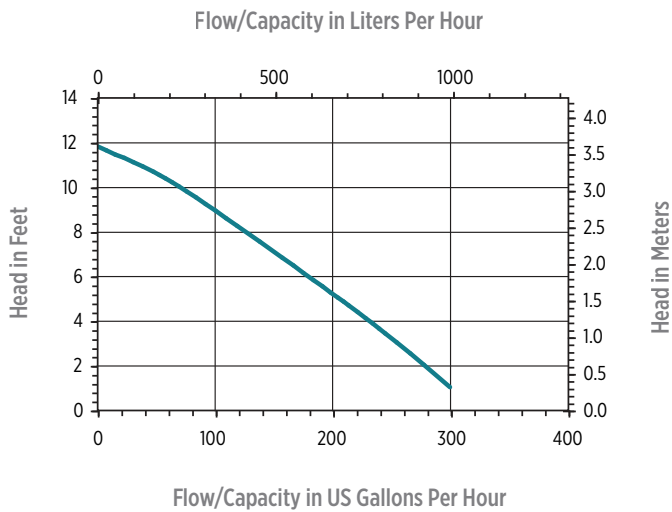
# SMALL SUBMERSIBLE PUMPS

## 2E-N SERIES - 1/40 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	102333
<b>Impeller</b>	102470
<b>Screen</b>	102909
<b>Gasket</b>	102601



## 2E-38N SERIES - 1/40 HP

### APPLICATIONS

Dual purpose oil-filled pump that may be used totally submersed or in-line (fed with pipe or hose). For commercial, industrial and home applications including statuary fountains, water displays, air conditioners, machine tool coolants, and many other applications where liquid must be transferred or recirculated.

### FEATURES

- For submersed or in-line use
- Epoxy coated die-cast aluminum housing
- Oil-filled motor
- 11.8-foot maximum lift
- Snap-on pre-filter screen
- 1/4-inch MNPT discharge (accepts 1/2-inch I.D. tubing)
- Thermal overload protection



2E-38N



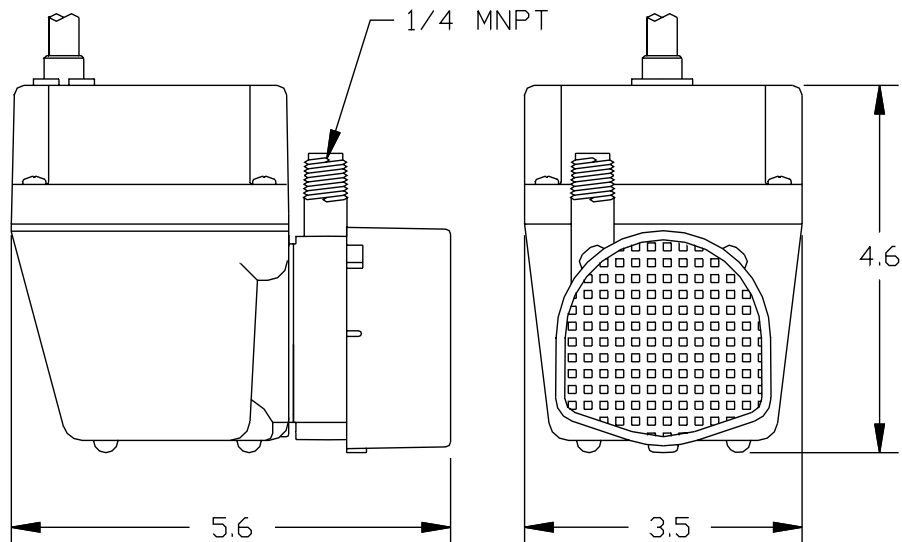
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Listing	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height				Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	3'	5'	10'				
502203	2E-38N	1/4" MNPT	UL	1/40	115	60	1.7	100	300 (1136)	255 (965)	205 (776)	70 (265)	11.8' (3.6 m)	5.1	6' (1.8 m)	4.67 (2.12 Kg)

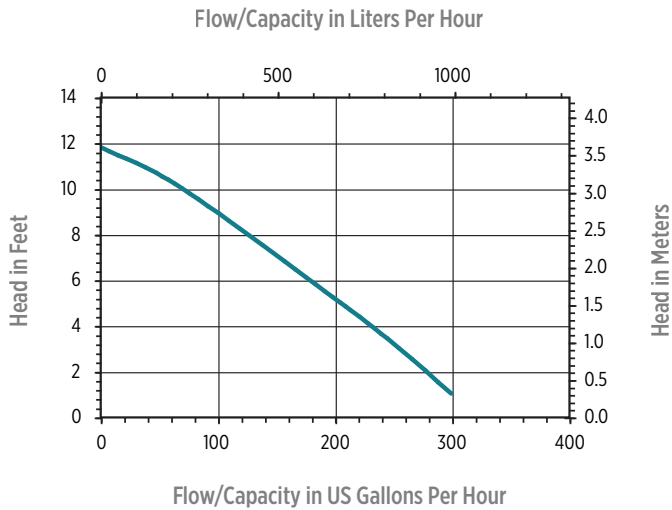
# SMALL SUBMERSIBLE PUMPS

## 2E-38N SERIES - 1/40 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	102334 (102375, black)
<b>Impeller</b>	102470
<b>Screen</b>	102909 (102376, black)
<b>Gasket</b>	102601



## 3E-34N SERIES - 1/15 HP

### APPLICATIONS

Dual purpose oil-filled pump that may be used totally submersed or in-line (fed with pipe or hose). For commercial, industrial and home applications including statuary fountains, water displays, air conditioners, machine tool coolants, and many other applications where liquid must be transferred or recirculated.

### FEATURES

- For submersed or in-line use
- Epoxy-coated die-cast aluminum housing
- Oil-filled motor
- 20.3-foot maximum lift
- Snap-on pre-filter screen
- 1/2-inch MNPT discharge
- Thermal overload protection



3E-34N



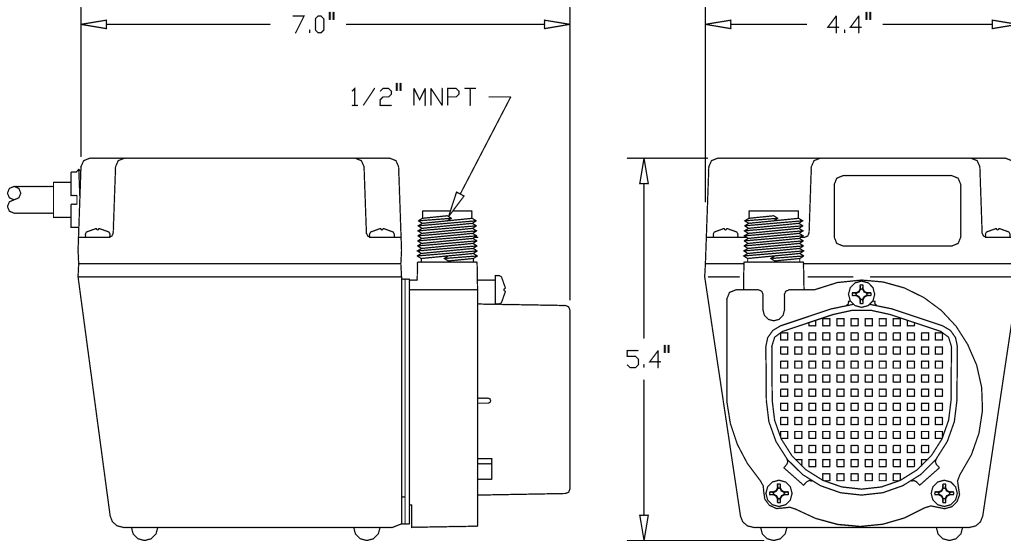
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height				Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	3'	5'	10'				
503603	3E-34N	1/2" MNPT	3/4" MNPT	1/15	115	60	3.2	200	670 (2536)	650 (2461)	575 (2177)	460 (1741)	20.3' (6.2 m)	8.8	10' (3 m)	4.83 (2.19 Kg)

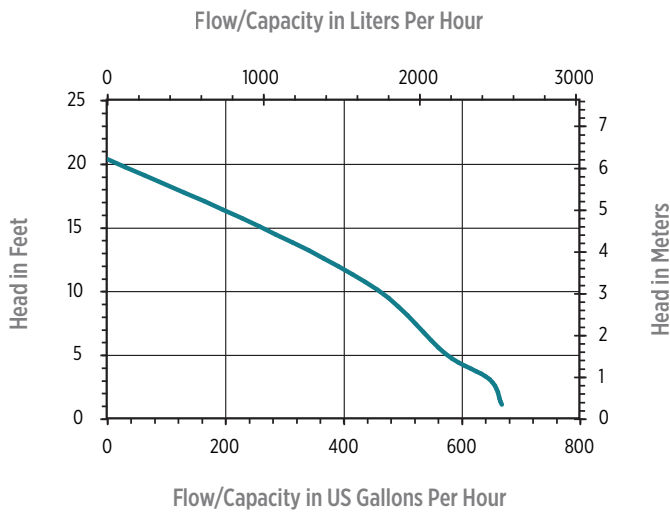
# SMALL SUBMERSIBLE PUMPS

## 3E-34N SERIES - 1/15 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	103337
<b>Impeller</b>	103437
<b>Screen</b>	102376
<b>Gasket</b>	103601



## 3E-12N SERIES - 1/15 HP

### APPLICATIONS

Dual purpose oil-filled pump that may be used totally submersed or in-line (fed with pipe or hose). For commercial, industrial and home applications including statuary fountains, water displays, air conditioners, machine tool coolants, and many other applications where liquid must be transferred or recirculated.

### FEATURES

- For submersed or in-line use
- Epoxy coated die-cast aluminum housing
- Oil-filled motor
- 17.3-foot maximum lift
- Screened inlet
- 1/2-inch MNPT discharge (accepts 3/4-inch I.D. tubing)
- Thermal overload protection



3E-12N



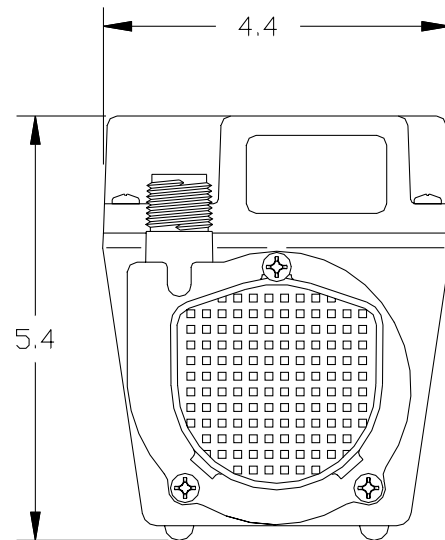
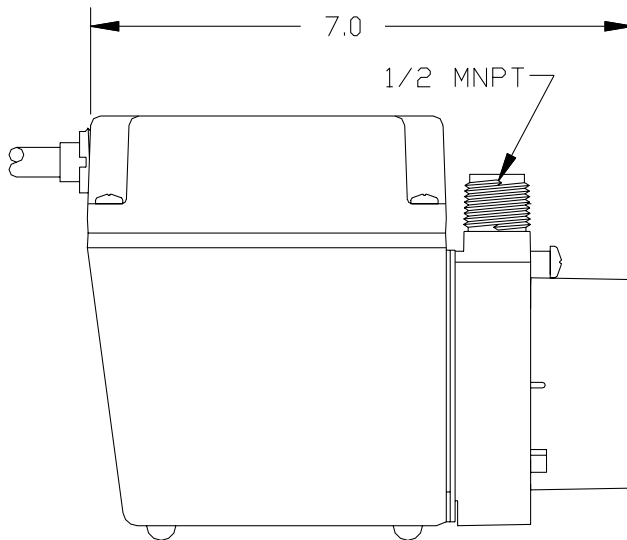
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height				Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	5'	10'				
503103	3E-12N	1/2" MNPT	1/2" FNPT	UL	1/15	115	60	3.2	200	500 (1893)	435 (1647)	337 (1276)	210 (795)	17.3' (5.2 m)	7.5	6' (1.8 m)	8 (3.62 Kg)
503186	3E-12NT	1/2" MNPT	1/2" FNPT	UL/CSA	1/15	115	60	3.2	200	500 (1893)	435 (1647)	337 (1276)	210 (795)	17.3' (5.2 m)	7.5	10' (3 m)	8.25 (3.74 Kg)

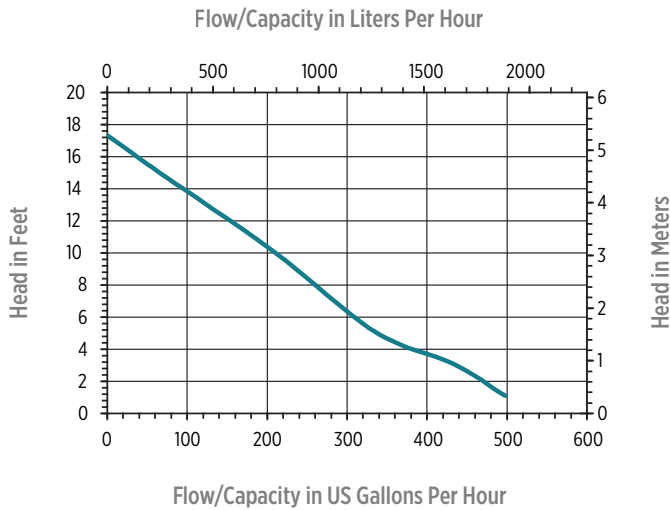
# SMALL SUBMERSIBLE PUMPS

## 3E-12N SERIES - 1/15 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	103330 (103375, black)
<b>Impeller</b>	103437
<b>Screen</b>	102909 (102376, black)
<b>Gasket</b>	103601



## 3E-12NR SERIES - 1/15 HP

### APPLICATIONS

Dual purpose oil-filled pump that may be used totally submersed or in-line (fed with pipe or hose). For commercial, industrial and home applications including statuary fountains, water displays, air conditioners, machine tool coolants, and many other applications where liquid must be transferred or recirculated.

### FEATURES

- For submersed or in-line use
- Epoxy coated die-cast aluminum housing
- Oil-filled motor
- 22.6-foot maximum lift
- Screened inlet
- 1/2-inch MNPT discharge
- Thermal overload protection



3E-12NR



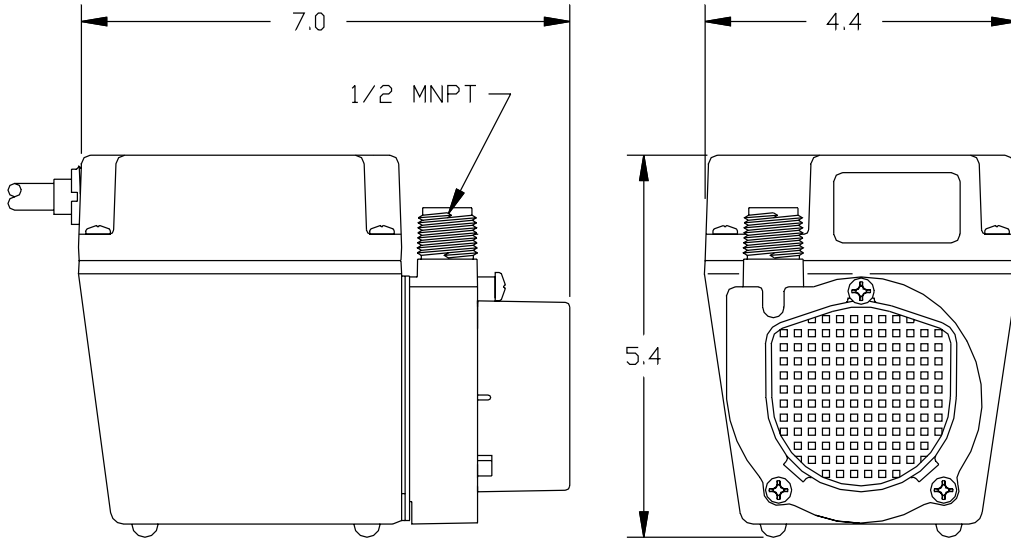
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	5'	10'	20'				
503203	3E-12NR	1/2" MNPT	1/2" FNPT	UL	1/15	115	60	3.2	200	670 (2536)	650 (2460)	575 (2177)	460 (1741)	100 (379)	22.6 (6.9 m)	9.8	6' (1.8 m)	8 (3.62 Kg)

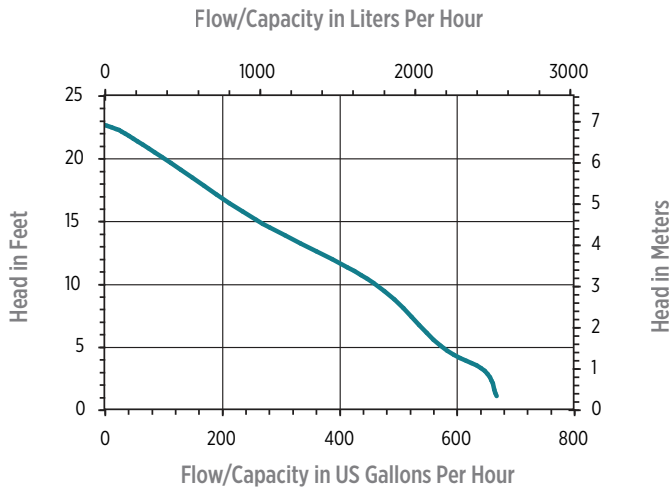
# SMALL SUBMERSIBLE PUMPS

## 3E-12NR SERIES - 1/15 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	103330
<b>Impeller</b>	103437
<b>Screen</b>	102909
<b>Gasket</b>	103601



## 3E-12NRY SERIES - 1/15 HP

### APPLICATIONS

Dual purpose oil-filled pump that may be used totally submersed or in-line (fed with pipe or hose). For commercial, industrial and home applications including statuary fountains, water displays, air conditioners, machine tool coolants, and many other applications where liquid must be transferred or recirculated.

### FEATURES

- For submersed or in-line use
- Epoxy coated die-cast aluminum housing
- Oil-filled motor
- 21-foot maximum lift
- Screened inlet
- 1/2-inch MNPT discharge
- Thermal overload protection



3E-12NRY



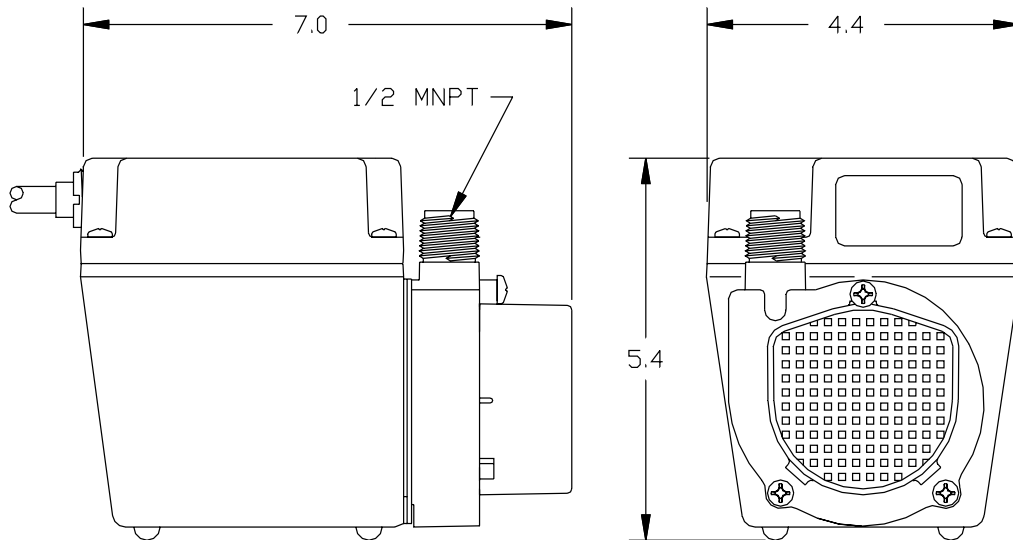
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	5'	10'	20'				
503216	3E-12NRY	1/2" MNPT	1/2" FNPT	UR/C-CSA	1/15	230	50/60	1.7/1.4	200	600 (2271)	580 (2196)	517 (1957)	414 (1567)	90 (341)	21' (6.4 m)	9.1	12' (3.7 m)	8.75 (3.97 Kg)

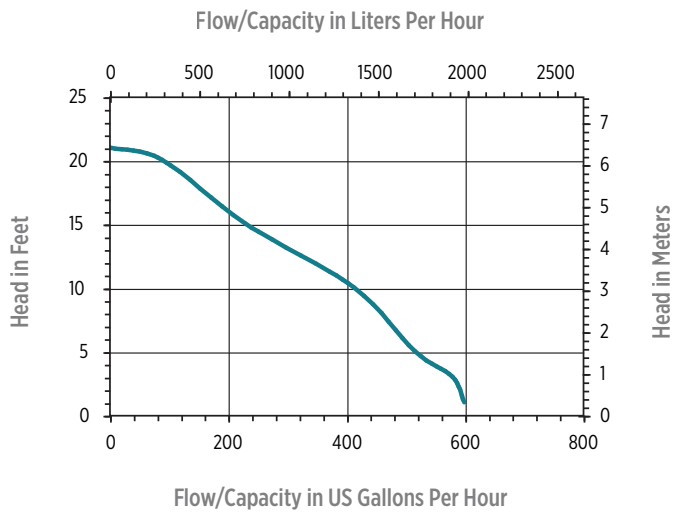
# SMALL SUBMERSIBLE PUMPS

## 3E-12NR SERIES - 1/15 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	103330
<b>Impeller</b>	103437
<b>Screen</b>	102909
<b>Gasket</b>	103601



## 4E-34N SERIES - 1/12 HP

### APPLICATIONS

Small submersible oil-filled pump with epoxy coated cast aluminum housing. For commercial, industrial and home applications including statuary fountains, water displays, air conditioners, machine tool coolants, and many other applications where liquid must be transferred or recirculated.

### FEATURES

- Epoxy coated die-cast aluminum housing
- Oil-filled motor
- 23.1-foot maximum lift
- Screened inlet
- 1/2-inch MNPT discharge
- Thermal overload protection
- For submersible use only



4E-34N



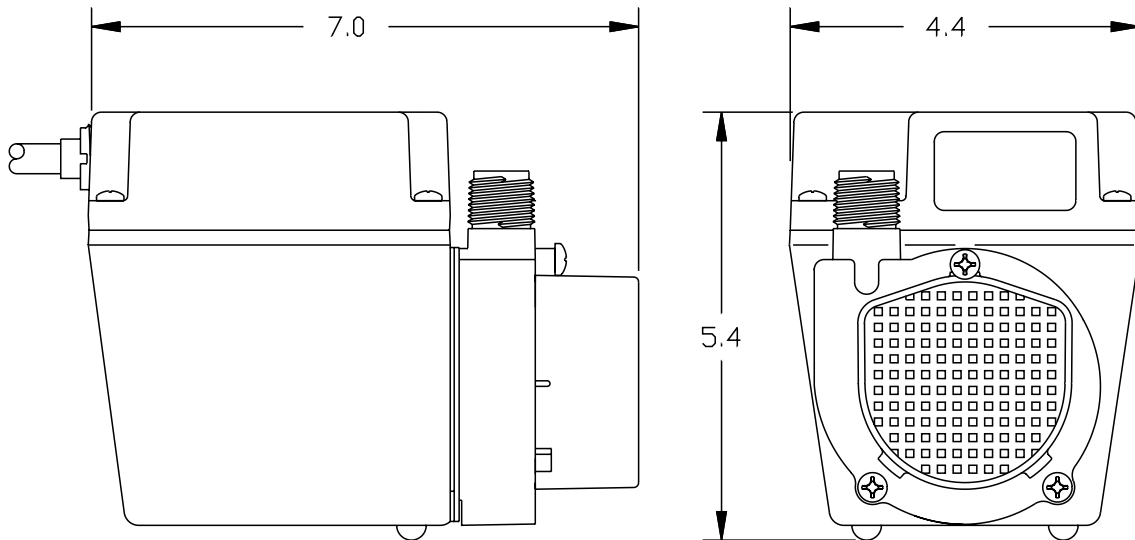
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	3'	5'	10'	20'				
504103	4E-34N	1/2" MNPT	UL	1/12	115	60	3.5	210	710 (2688)	690 (2612)	670 (2536)	580 (2196)	150 (568)	23.1' (7 m)	10.0	6' (1.8 m)	8.5 (3.86 Kg)
504186	4E-34NT	1/2" MNPT	UL/CSA	1/12	115	60	3.5	210	710 (2688)	690 (2612)	670 (2536)	580 (2196)	150 (568)	23.1' (7 m)	10.0	10' (3 m)	8.5 (3.86 Kg)

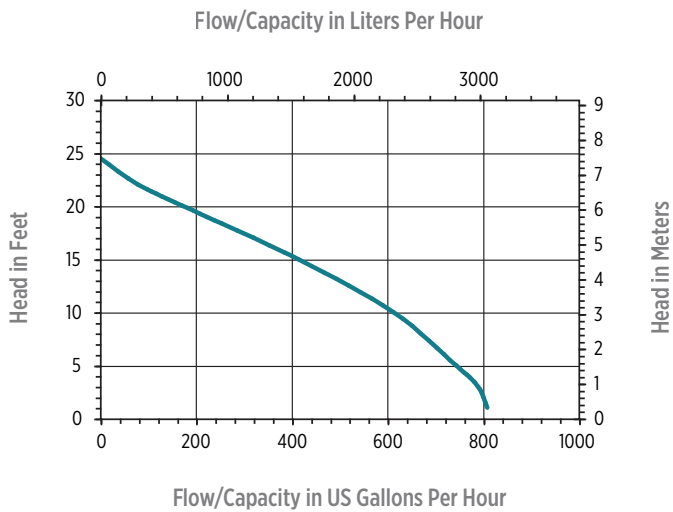
# SMALL SUBMERSIBLE PUMPS

## 4E-34N SERIES - 1/12 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	103334
<b>Screen</b>	102909
<b>Impeller</b>	104435
<b>Gasket</b>	103601



## 4E-34NR SERIES - 1/12 HP

### APPLICATIONS

Small submersible oil-filled pump with epoxy coated cast aluminum housing. For commercial, industrial and home applications including statuary fountains, water displays, air conditioners, machine tool coolants, and many other applications where liquid must be transferred or recirculated.

### FEATURES

- Epoxy coated die-cast aluminum housing
- Oil-filled motor
- 24.5-foot maximum lift
- Screened inlet
- 1/2-inch MNPT discharge
- Thermal overload protection
- For submersible use only



4E-34NR



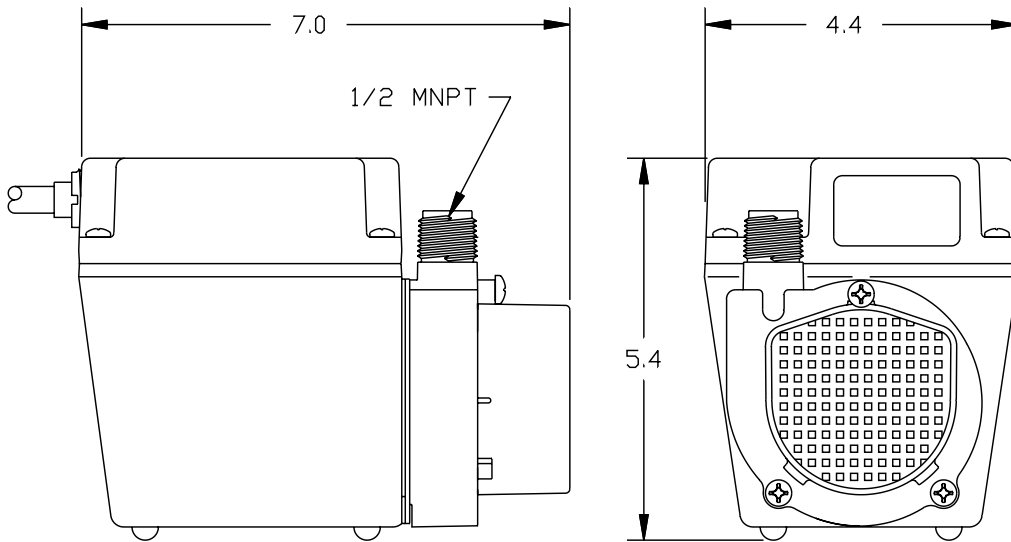
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	5'	10'	20'				
504203	4E-34NR	1/2" MNPT	3/4" FNPT	UL	1/12	115	60	3.5	210	810 (3066)	790 (2990)	745 (2820)	613 (2320)	173 (655)	24.5' (7.5 m)	10.6	6' (1.8 m)	8.5 (3.86 Kg)
504216	4E-34NRY	1/2" MNPT	3/4" FNPT	UR	1/12	230	50/60	1.7	210	810 (3066)	790 (2990)	745 (2820)	613 (2320)	173 (655)	24.5' (7.5 m)	10.6	12' (3.7 m)	8.5 (3.86 Kg)

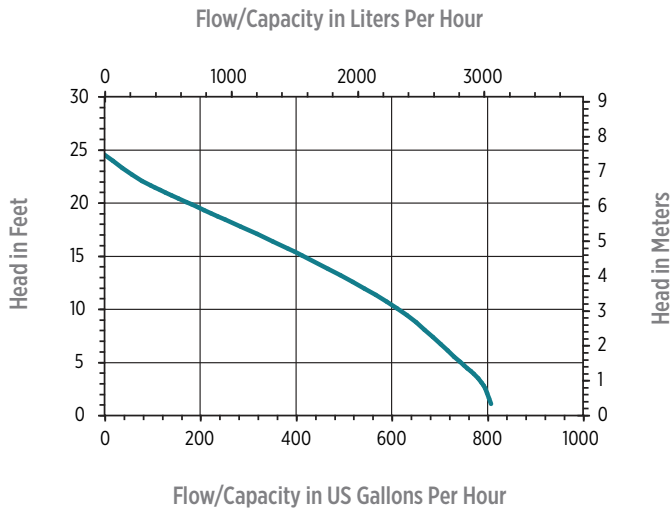
# SMALL SUBMERSIBLE PUMPS

## 4E-34NR SERIES - 1/12 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	103334
<b>Impeller</b>	104435
<b>Screen</b>	102909
<b>Gasket</b>	103601



## NK-1 SERIES - 1/150 HP

### APPLICATIONS

For commercial, industrial, and home use worldwide, where liquid must be transferred or recirculated, Little Giant's NK-1 Series is the solution. Applications include aquariums, swimming pools, water displays, ice makers, air conditioners, boat bailing, fuel oil transfer, circulating water for welding and pipe threading machines, pumping mild chemicals such as soap solutions, acids, plating solutions, and fertilizers.

### FEATURES

- Corrosion resistant nylon body
- Oil-filled motor
- 10.2-foot maximum lift
- Screened inlet
- 1/4-inch MNPT discharge
- Thermal overload protection
- For submersible use only



NK-1



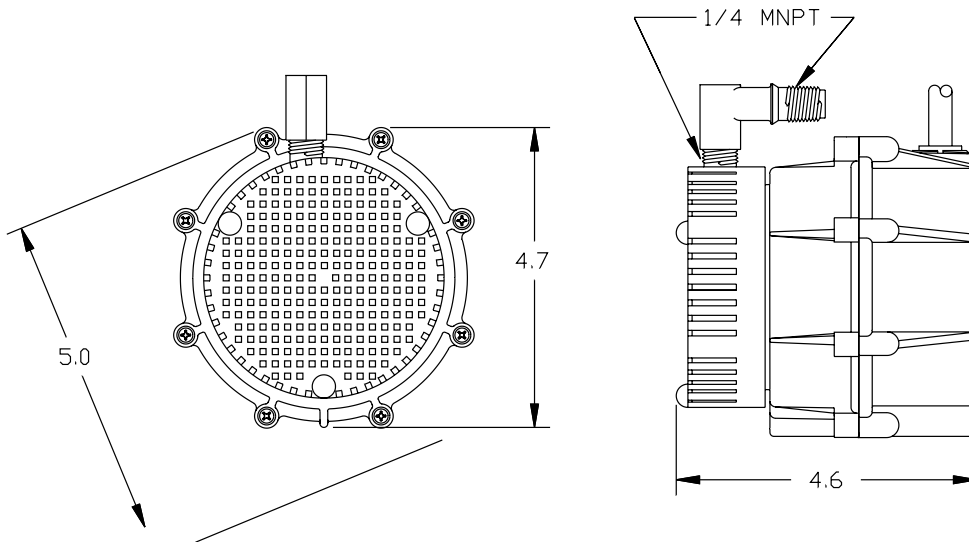
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height			Shut-Off	PSI	Cord	Weight lbs (Kg)
								1'	3'	5'				
526003	NK-1	1/4" MNPT	1/150	115	60	1.1	70	210 (795)	180 (681)	150 (568)	10.2' (3.1 m)	4.4	6' (1.8 m)	3.67 (1.66 Kg)

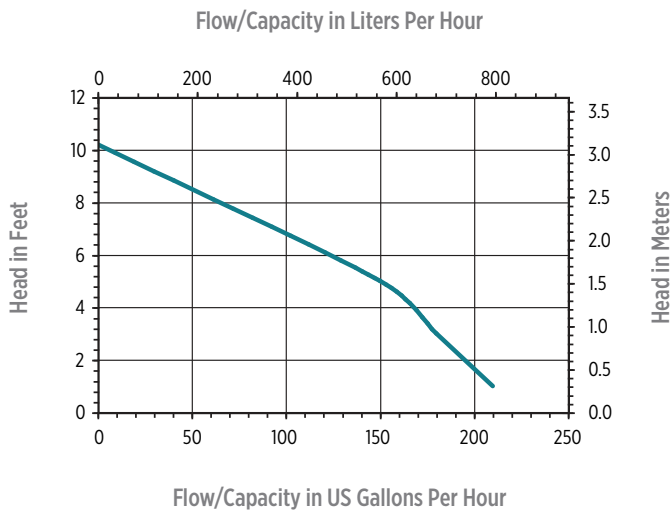
# SMALL SUBMERSIBLE PUMPS

## NK-1 SERIES - 1/150 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	116375
<b>Impeller</b>	116437
<b>Screen</b>	101376
<b>Seal Ring</b>	928007
<b>Backplate</b>	126377
<b>Elbow</b>	943076



## NK-2 SERIES - 1/150 HP

### APPLICATIONS

The NK-2 Series is a multi-purpose pump that is permanently lubricated for reliability and low maintenance. This pump works relentlessly, making it the perfect solution for hydroponics, aquariums, swimming pools, water displays, ice makers, air conditioners, boat bailing, and fuel oil transfer applications. It's also the perfect workhorse for recirculating water for welding and pipe threading machines or pumping mild chemicals such as soap solutions, acids, plating solutions, and fertilizers.

### FEATURES

- Corrosion resistant nylon body
- Oil-filled motor
- 12.3-foot maximum lift
- Screened inlet
- 1/4-inch MNPT discharge
- Thermal overload protection
- For submersible use only



NK-2

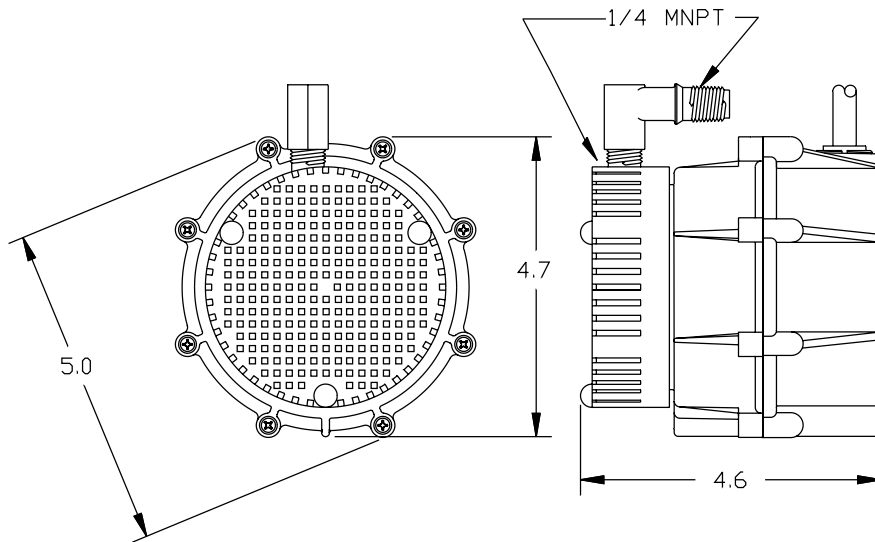
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height				Shut-Off	PSI	Cord	Weight lbs (Kg)
								1'	3'	5'	10'				
527003	NK	1/4" MNPT	1/40	115	60	1.7	100	325 (1230)	300 (1136)	270 (1022)	130 (492)	12.3' (3.7 m)	5.3	6' (1.8 m)	4.50 (2.04 Kg)
527016	NK	1/4" MNPT	1/40	230	50/60	.9/.7	100	325 (1230)	300 (1136)	270 (1022)	130 (492)	12.3' (3.7 m)	5.3	12' (3.7 m)	4.83 (2.19 Kg)
527176	NK-2	1/4" MNPT	1/40	115	60	1.7	100	325 (1230)	300 (1136)	270 (1022)	130 (492)	12.3' (3.7 m)	5.3	18' (5.5 m)	5.17 (2.35 Kg)

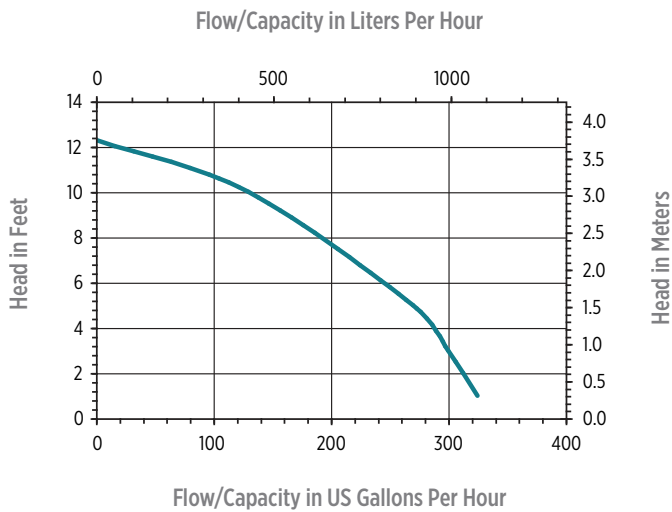
# SMALL SUBMERSIBLE PUMPS

## NK-2 SERIES - 1/150 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	116375
<b>Impeller</b>	116437
<b>Screen</b>	101376
<b>Seal Ring</b>	928007
<b>Backplate</b>	126377
<b>Elbow</b>	943076



## P-AAA SERIES - 1/160 HP

### APPLICATIONS

Small submersible oil filled pump with corrosion resistant nylon housing. For commercial, industrial and home applications including statuary fountains, water displays, air conditioners, machine tool coolants, and many other applications where liquid must be transferred or recirculated.

### FEATURES

- Corrosion resistant nylon body
- Oil-filled motor
- 4.6-foot maximum lift
- Screened inlet
- 1/4-inch MNPT discharge
- Impedance protected
- For submersible use only



P-AAA



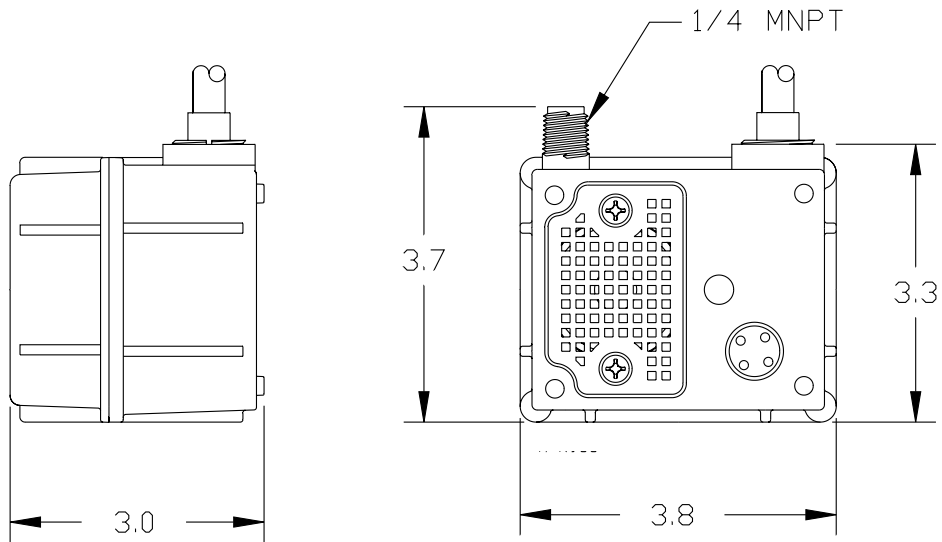
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height		Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	3'				
523003	P-AAA	1/4" MNPT	UL	1/160	115	60	0.5	30	120 (454)	70 (265)	4.6' (1.4 m)	2.0	6' (1.8 m)	3.00 (1.36 Kg)
523500	P-AAA	1/4" MNPT	UL/CSA	1/160	127	60	0.5	30	120 (454)	70 (265)	4.6' (1.4 m)	2.0	6' (1.8 m)	3.00 (1.36 Kg)
523375	P-AAA-WG	1/4" MNPT	UL/CSA	1/160	115	60	0.5	30	120 (454)	70 (265)	4.6' (1.4 m)	2.0	15' (4.6 m)	3.17 (1.44 Kg)
523112	P-AAA	1/4" MNPT	UL/CSA	1/160	230	50/60	.4/.3	30	120 (454)	70 (265)	4.6' (1.4 m)	2.0	12' (3.7 m)	3.17 (1.44 Kg)

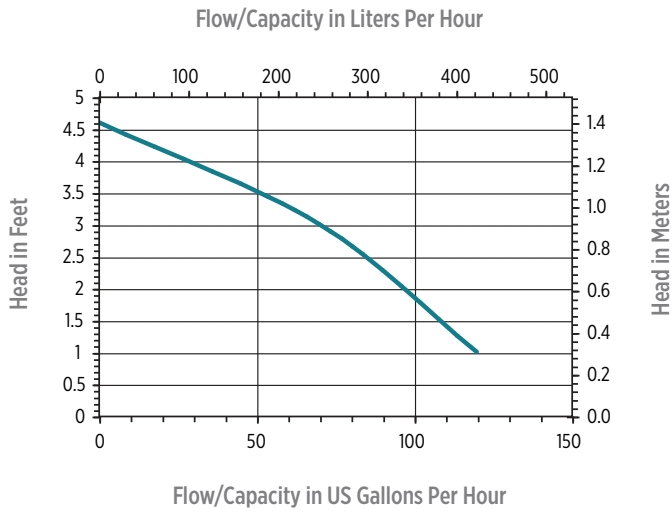
# SMALL SUBMERSIBLE PUMPS

## P-AAA SERIES - 1/160 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

Screen	123145
Plate	123150
Impeller	123030
O-Ring	924020
Elbow	943076



## S SERIES

### APPLICATIONS

- Ideal for ponds, water gardens, medium to large fountains, water displays, waterfalls, streams, aeration, and hydroponic applications. This direct drive pump is designed to perform in fresh and salt water.

### FEATURES

- Stainless steel and bronze construction
- Oil-free, permanent split capacitor (PSC) motor
- Optional mounting stand sold separately
- Designed for continuous duty
- Includes built-in flow control
- Used submerged or in open air below water level



Inlet filter included

### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Amps	Watts	Gallons per hour (Liter per hour) @ Height				Shut-Off	Cord	Weight lbs (Kg)
						1'	5'	10'	15'			
517100001	S320PT-20	1/4" MNPT	1/2" MNPT	0.50	60	335 (1268)	275 (1040)	185 (700)	-	14.8' (4.51 m)	20' (6 m)	4.9 (2.22 Kg)
517100002	S580PT-20	1/2" MNPT	3/4" MNPT	0.65	70	740 (2800)	590 (2235)	345 (1305)	-	13.2' (4 m)	20' (6 m)	8.21 (3.72 Kg)
517100003	S900PT-20			0.75	85	795 (3010)	675 (2555)	470 (1780)	115 (435)	15.6' (4.75 m)	20' (6 m)	8.21 (3.72 Kg)
517100004	S1200PT-20			1.00	105	920 (3480)	820 (3105)	645 (2440)	430 (1628)	20' (6.10 m)	20' (6 m)	8.21 (3.72 Kg)

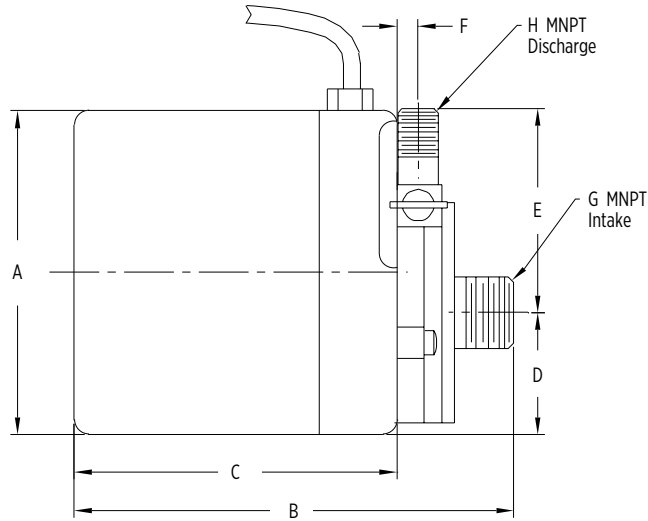
### REPAIR KITS & ACCESSORIES

Item No.	Model	Description
305626001	SR-3P-T	Repair Kit S320PT (impeller, volute, O-ring, screws)
305626002	SR-5P-T	Repair Kit S580PT (impeller, volute, O-ring, screws)
305626003	SR-9P-T	Repair Kit S900PT (impeller, volute, O-ring, screws)
305626004	SR-12P-T	Repair Kit S1200PT (impeller, volute, O-ring, screws)
305626009	CFS-1-P	Intake Screen for S320PT
305626010	CFS100-P	Intake Filter Screen for S580PT, S900PT and S1200PT
305626011	MSUB-P	Mounting Plate for S320PT
305626012	MSUBM-P	Mounting Bracket for S580PT, S900PT and S1200PT

# SMALL SUBMERSIBLE PUMPS

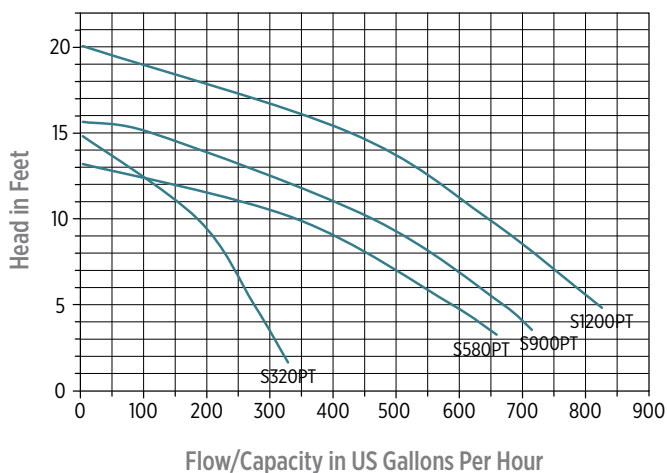
## S SERIES

### ENGINEERING DATA



Model No.	A	B	C	D	E	F	G MNPT	H MNPT
S320PT-20	3.85" (9.78 cm)	5.4" (13.72 cm)	3.85" (9.78 cm)	2.10" (5.33 cm)	2.22" (5.64 cm)	0.40" (1.02 cm)	1/2" (1.27 cm)	1/4" (0.64 cm)
S580PT-20	4.45" (11.3 cm)	6.5" (16.51 cm)	4.75" (12.07 cm)	2.37" (6.02 cm)	2.75" (6.99 cm)	0.45" (1.14 cm)	3/4" (1.9 cm)	1/2" (1.27 cm)
S900PT-20	4.45" (11.3 cm)	6.5" (16.51 cm)	4.75" (12.07 cm)	2.37" (6.02 cm)	2.75" (6.99 cm)	0.45" (1.14 cm)	3/4" (1.9 cm)	1/2" (1.27 cm)
S1200PT-20	4.45" (11.3 cm)	6.5" (16.51 cm)	4.75" (12.07 cm)	2.37" (6.02 cm)	2.75" (6.99 cm)	0.45" (1.14 cm)	3/4" (1.9 cm)	1/2" (1.27 cm)

### PERFORMANCE DATA



### CONSTRUCTION

<b>Motor Housing</b>	Stainless steel
<b>Impeller Material</b>	Nylon
<b>Impeller Type</b>	Semi-open
<b>Volute</b>	Nylon
<b>Motor Shaft</b>	Stainless steel
<b>Shaft Seal</b>	Fluoroelastomer (FKM)
<b>Fasteners</b>	Stainless steel
<b>Bearings</b>	Stainless steel ball bearings
<b>Power Cord</b>	SJTOW



## 2E-NDVR SERIES - 1/40 HP

### APPLICATIONS

Double-Seal Acidic Pump is designed for in-line pumping of weak acids and chemicals, fruit juices, cleaning solvents, anti-freeze, and fluids with a pH factor of 6 or 7. This acidic pump can also be used submerged when pumping water or machine oils. For commercial, industrial or residential use.

### FEATURES

- Seals are double-lip radial design type
- Thermally protected motor
- 1/4-inch MNPT discharge
- 3/8-inch FNPT threaded intake with an adapter to fit 1/2-inch I.D. tubing
- Handles intermittent liquid temperatures up to 120 °F (49 °C)
- Epoxy-coated aluminum housing and cover



2E-NDVR

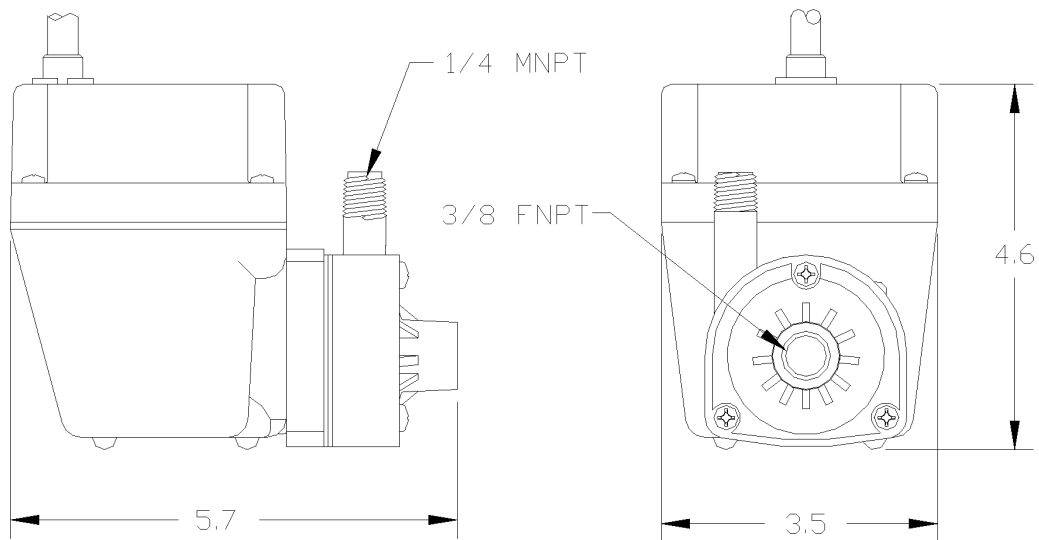


### SERIES SPECIFICATIONS

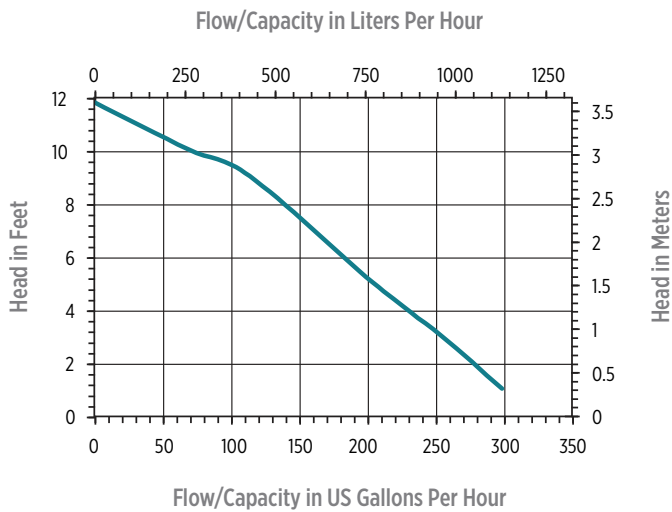
Item No.	Model	Discharge	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height			Shut-Off	PSI	Cord	Weight lbs (Kg)
								1'	3'	5'				
502303	2E-NDVR	1/4" MNPT	1/40	115	60	1.7	100	300 (1136)	255 (965)	205 (776)	11.8' (29.97 m)	5.1	6' (1.8 m)	5 (2.27 Kg)

## 2E-NDVR SERIES - 1/40 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	102334
<b>Impeller</b>	102437
<b>O-Ring</b>	924005
<b>Gasket</b>	102601



## VMC SERIES PUMP - 1/150 HP

### APPLICATIONS

For use on small drill presses, tool grinders, tapping machines, and small lathes, the VMC Series is a 1-gallon coolant unit with a pump included. The flow of coolant liquids can be regulated to any desired amount or completely shut off without harmful effects to the motor.

### FEATURES

- 1-gallon oil-resistant polyethylene tank
- Volute cover
- Unit takes 1/2-inch ID tubing to 1/4-inch MNPT
- Includes spray nozzle and 6-foot tubing
- Screen chip collector



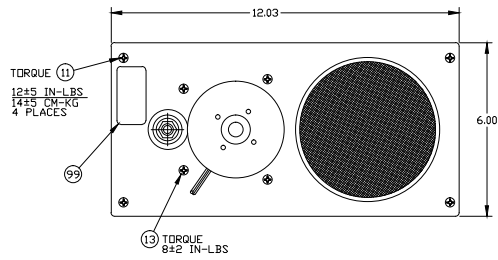
VMC-1

### SERIES SPECIFICATIONS

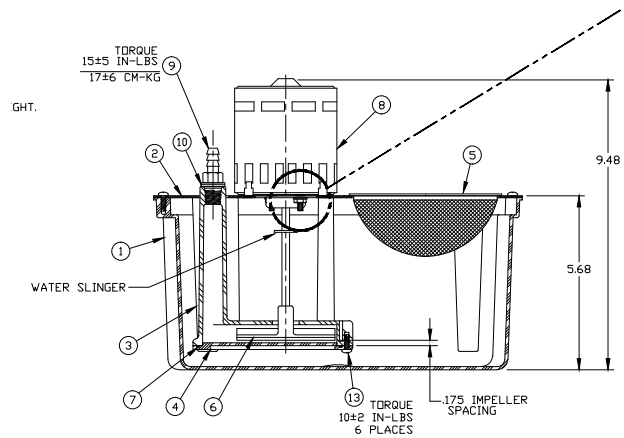
Item No.	Model	Volts	Gallons per hour (Liter per hour) @ Height - Water Soluble Oil				Shut-Off	Cord	Weight lbs (Kg)	Dimensions (H x L x W) (23.5 cm x 30.48 cm x 15.24 cm)
			1'	3'	6'	9'				
560612	VMC-1	115	108 (409)	100 (379)	86 (326)	60 (227)	11.5' (3.5 m)	4' (1.22 m)	6.00 (2.72 Kg)	9.25" x 12.00" x 6" (23.5 cm x 30.48 cm x 15.24 cm)

## VMC SERIES PUMP - 1/150 HP

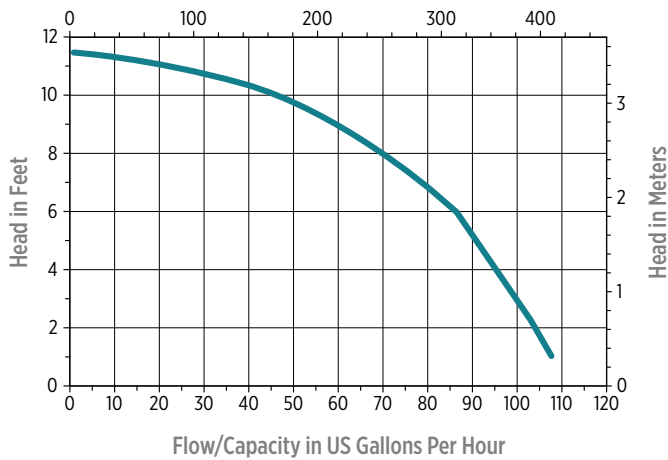
### ENGINEERING DATA



PUMP TOP VIEW



Flow/Capacity in Liters Per Hour



### REPLACEMENT PARTS

Tank (1 gal)	Polypropylene
Tank Cover	Galvanized Steel
Chip Collector	Stainless Steel
Volute Stand	Nylon
Impeller	Nylon
Base Plate	Nylon
Elbow	Nylon
Motor Cover	Nylon
Tubing (6')	Vinyl
Hose Adapter	Nylon
Shaft	Stainless Steel



## MCT-5 SERIES

### APPLICATIONS

For use on single-drill presses, bench mills, tool grinders, single-spindle tapping machines, cut-off saws and small lathes using water soluble or light cutting oil. Includes 5-gallon polyethylene tank, metal chip collector basket, baffle, 6' plastic hose, metal flex nozzle and brass control valve. All adaptors and fittings included for use with recommended pumps (listed below). Use only pumps recommended for this unit. **This unit does not include a pump.** The pump must be purchased in addition to this tank kit. See chart for expected flow rates with the five recommended pumps and the MCT-5P machine coolant tank.



MCT-5P

### FEATURES

- Drill presses
- Tool grinders
- Tapping machines
- Cut-off saws
- Bench mills
- Lathes

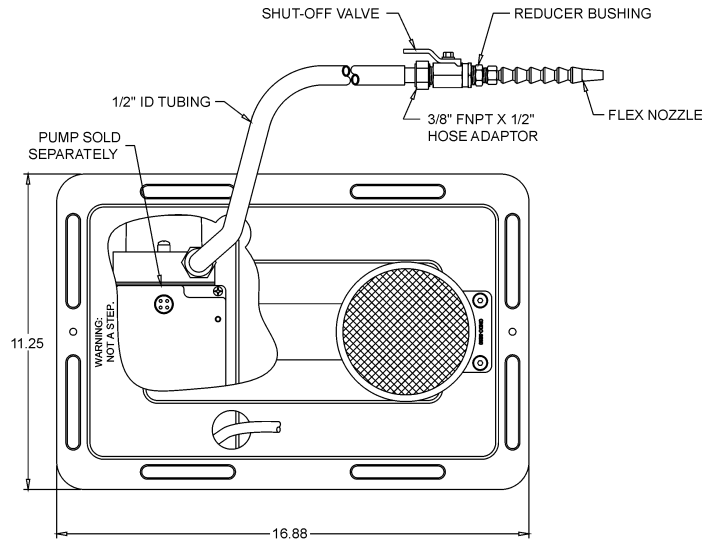
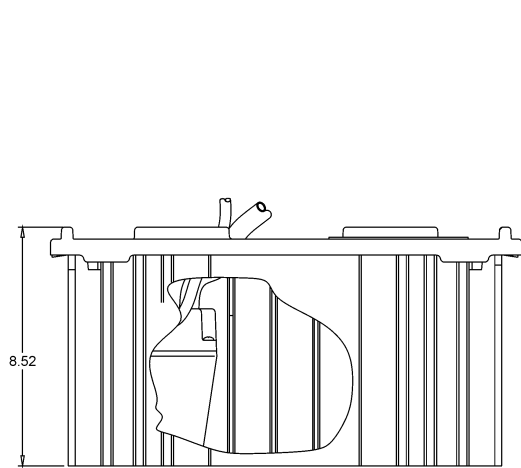
### SERIES SPECIFICATIONS

Item No.	Model	Weight lbs (Kg)	Dimensions (H x L x W)
560040	MCT-5P	19.0 (8.6 Kg)	8.00" x 10.94" x 16.56" (20.32 cm x 27.79 cm x 42.06 cm)

Recommended Pumps for Units MCT-5P and MCT-10								GPH @ 115 VAC 60hz									
MCT Model	Pump Model	Pump Item No.	GGP - Water Soluble Oil					GPH - 100 SSU/Cutting Oil					GPH - 300 SSU/Cutting Oil				
			1'	3'	6'	12'	Shut-Off	1'	3'	6'	12'	Shut-Off	1'	3'	6'	12'	Shut-Off
MCT-5P	1-YS	501020	72	60	36	-	7.4'	24	14	-	-	3.5'	-	-	-	-	-
MCT-5P	NK-1	526003	70	60	40	-	10.2'	24	14	-	-	5.0'	-	-	-	-	-
MCT-5P	NK-2	527003	82	78	64	6	12.2'	35	20	19	-	6.1'	-	-	-	-	-
MCT-5P	3E-12N	503103	127	123	113	89	22.4'	89	86	79	62	16.8'	70	65	60	47	15.7'
MCT-5P	4E-34N	504103	134	129	119	100	24.3'	95	89	81	68	18.3'	75	71	64	54	17.5'
MCT-10	3E-12N	503103	197	192	182	155	22.4'	139	133	123	105	16.8'	108	100	93	80	15.7'
MCT-10	4E-34N	504103	210	204	192	162	24.3'	157	156	150	126	19.4'	124	123	102	100	18.6'
MCT-10	5-MSP	505723	212	208	198	167	26.8'	161	159	154	129	21.4'	127	125	123	102	20.5'
MCT-10	6-CIM-R	506271	185	178	163	118	18.5'	138	136	127	92	14.7'	108	107	101	73	14.0'

## MCT-5 SERIES

### ENGINEERING DATA



### REPLACEMENT PARTS

<b>Tank</b>	Polyethylene
<b>Cover</b>	Acrylic
<b>Chip Collector</b>	Stainless Steel
<b>Baffle</b>	Polyethylene



## MCT-10 SERIES

### APPLICATIONS

For use on medium size lathes, grinders, cut off machines, milling and drilling machines using water soluble or light cutting oil. Includes 10-gallon painted metal tank with baffle that provides more settling capacity and coolant volume, 4 foot neoprene hose with brass nuts, metal flex nozzle and brass control valve. Removable chip collector tray and splash deflector. For use with cutting oils up to 300 SSU viscosity. This unit does not include a pump. The pump must be purchased in addition to this tank kit. Below is shown expected flow rates with the four recommended pumps.



MCT-10

### FEATURES

- Drill presses
- Tool grinders
- Tapping machines
- Cut-off saws
- Bench mills
- Lathes

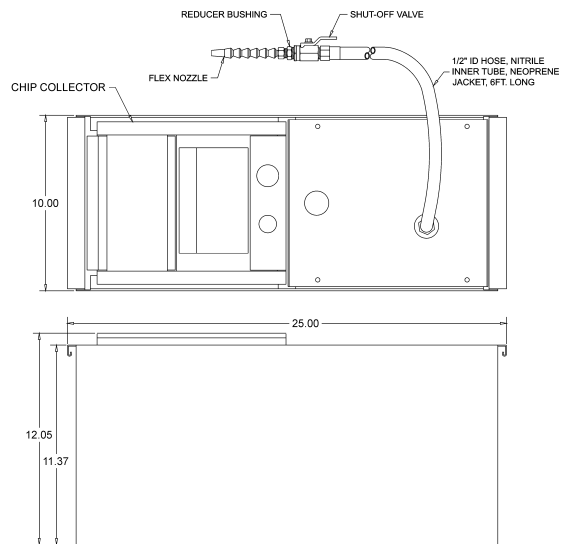
### SERIES SPECIFICATIONS

Item No.	Model	Weight lbs (Kg)	Dimensions (H x L x W)
560300	MCT-10	18.9 (8.57 Kg)	8.00" x 10.94" x 16.56" (20.32 cm x 27.79 cm x 42.06 cm)

Recommended Pumps for Units MCT-5P and MCT-10								GPH @ 115 VAC 60hz									
MCT Model	Pump Model	Pump Item No.	GGP - Water Soluble Oil					GPH - 100 SSU/Cutting Oil					GPH - 300 SSU/Cutting Oil				
			1'	3'	6'	12'	Shut-Off	1'	3'	6'	12'	Shut-Off	1'	3'	6'	12'	Shut-Off
MCT-5P	1-YS	501020	72	60	36	-	7.4'	24	14	-	-	3.5'	-	-	-	-	-
MCT-5P	NK-1	526003	70	60	40	-	10.2'	24	14	-	-	5.0'	-	-	-	-	-
MCT-5P	NK-2	527003	82	78	64	6	12.2'	35	20	19	-	6.1'	-	-	-	-	-
MCT-5P	3E-12N	503103	127	123	113	89	22.4'	89	86	79	62	16.8'	70	65	60	47	15.7'
MCT-5P	4E-34N	504103	134	129	119	100	24.3'	95	89	81	68	18.3'	75	71	64	54	17.5'
MCT-10	3E-12N	503103	197	192	182	155	22.4'	139	133	123	105	16.8'	108	100	93	80	15.7'
MCT-10	4E-34N	504103	210	204	192	162	24.3'	157	156	150	126	19.4'	124	123	102	100	18.6'
MCT-10	5-MSP	505723	212	208	198	167	26.8'	161	159	154	129	21.4'	127	125	123	102	20.5'
MCT-10	6-CIM-R	506271	185	178	163	118	18.5'	138	136	127	92	14.7'	108	107	101	73	14.0'

## MCT-10 SERIES

### ENGINEERING DATA



## 35-0M SERIES - 1/11 HP

### APPLICATIONS

Non-submersible, high pressure pump for carpet cleaners, dispenser displays and pressure washer applications. Nylon pump head, glass-filled polyphenylene sulfide impeller, 3/8-inch barbed O.D. intake and discharge connections. 1/4-inch barbed O.D. by-pass adapter included. Double-insulated motor (non-replaceable brushes last 500 to 1,000 hours) with 94-V-0 thermoplastic housing.

### FEATURES

- High-pressure (35 PSIG)
- Nylon pump head
- Glass-filled polyphenylene sulfide impeller
- Carbon/Ceramic shaft seal
- 3/8-inch barbed intake and discharge
- 1/4-inch barbed by-pass adapter
- Double-insulated motor



35-0M



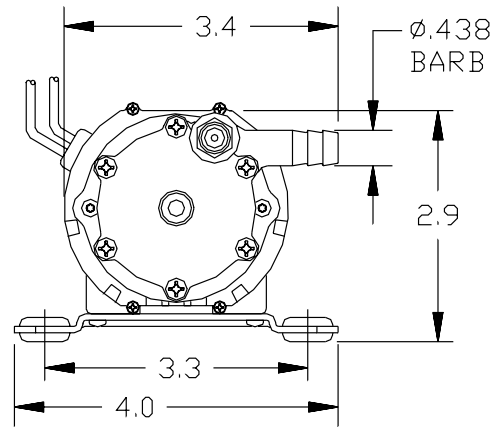
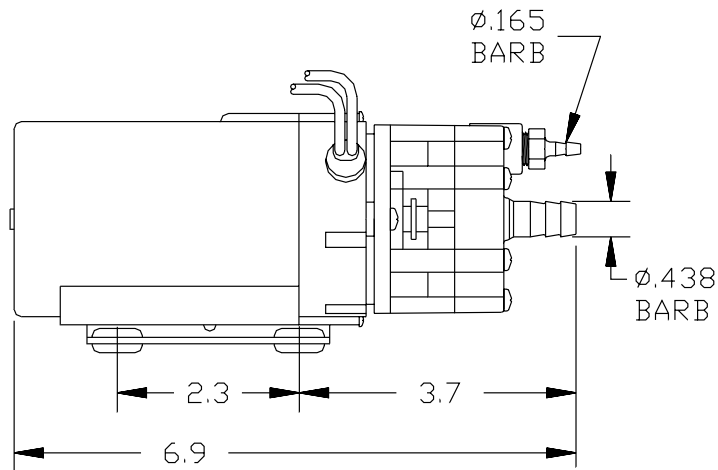
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listings	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height			Shut-Off	PSI	Cord	Weight lbs. (Kg)
										10'	30'	50'				
532002	35-0M	3/8" barbed	3/8" barbed	UR	1/11	115	60	1.25	132	170 (644)	140 (530)	110 (416)	81' (24.7 m)	35.1	2' (.61 m)	2.7 (1.22 Kg)
532012	35-0M	3/8" barbed	3/8" barbed		1/11	230	50/60	0.6	132	170 (644)	140 (530)	110 (416)	81' (24.7 m)	35.1	2' (.61 m)	2.7 (1.22 Kg)

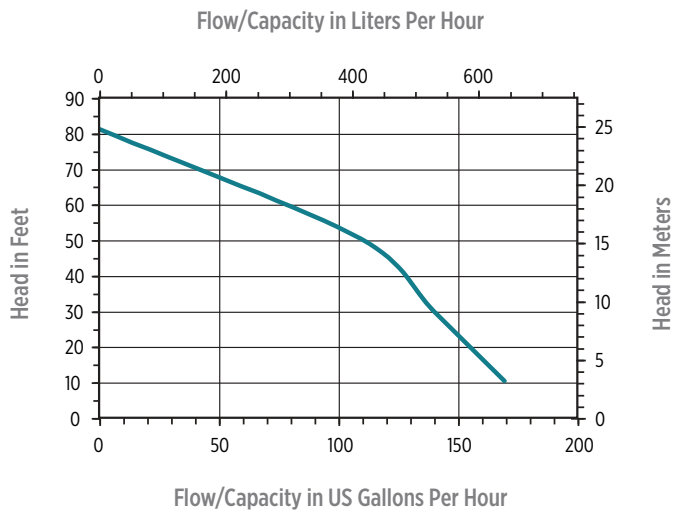
# SPECIALTY PUMPS

## 35-OM SERIES - 1/11 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	132101
<b>Impeller</b>	599106
<b>Washer</b>	921066
<b>Hose Adaptor</b>	941034
<b>Bypass Cap</b>	132410
<b>Motor Base</b>	132005
<b>Grommet</b>	925008



## 1-EAYS SERIES - 1/125 HP

### APPLICATIONS

Epoxy encapsulated, centrifugal pump is designed to be used in submerged parts washer applications only. Nylon volute, epoxy filled polyester and aluminum motor housing. 6-foot power cord with 3/8-inch MNPT conduit connector at pump housing. This parts washer pump is intended to pump unheated metal parts cleaning solvents, classified as PJQU in the “Gas and Oil Equipment Directory”. These refined petroleum distillates are free from tendency to heat spontaneously; they have a closed cup flash point no lower than 100°F.

### FEATURES

- Epoxy encapsulated motor
- Nylon volute, impeller and screen
- Conduit fitting for mounting
- Submerged use only in parts washers
- Fluoroelastomer (FKM) shaft seal
- UR and C-CSA for PJQU solvents
- Designed for continuous duty
- 6-foot power cord, no plug



1-EAYS

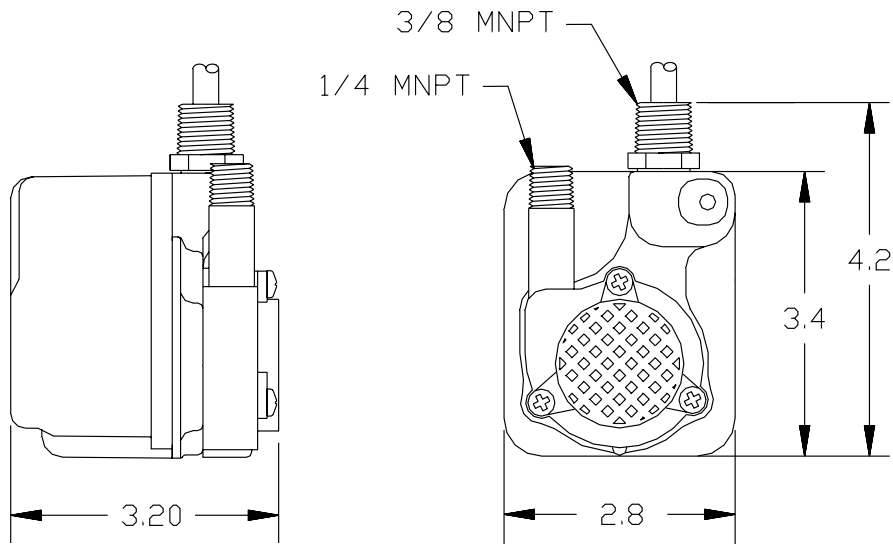


### SERIES SPECIFICATIONS

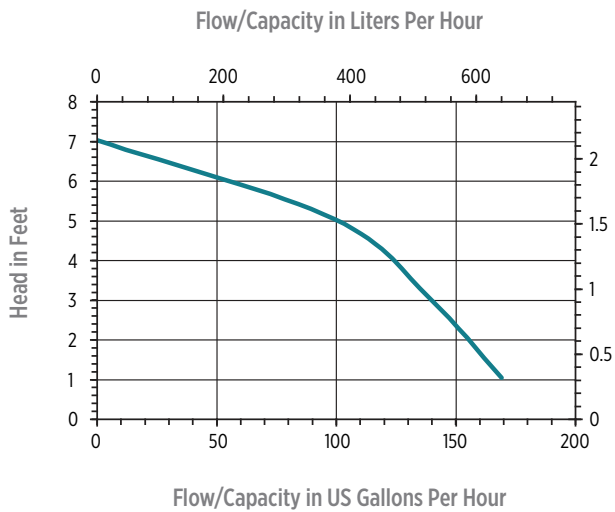
Item No.	Model	Discharge	Listings	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height			Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	3'	5'				
518020	1-EAYS	1/4" MNPT	UR/C-CSA	1/125	115	60	0.6	100	170 (644)	140 (530)	110 (416)	7' (2.13 m)	3.0	6' (1.8 m)	2.8 (1.27 Kg)

## 1-EAYS SERIES - 1/125 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	101351
<b>Impeller</b>	118442
<b>Screen</b>	118903



## 1-YS SERIES - 1/150 HP

### APPLICATIONS

This parts washer pump is for use with Stoddard solvent and deodorized kerosene submerged parts washer applications only. These refined petroleum distillates from the parts washer pump are free from the tendency to heat spontaneously and have a closed cup flash point no lower than 100 °F (37.8 °C).

### FEATURES

- Oil-filled aluminum housing
- Nylon volute and impeller
- Conduit fitting for mounting
- Submerged use only in parts washers
- Fluoroelastomer (FKM) shaft seal
- For use with UL (PIQU) solvents
- 6-foot power cord, no plug
- Thermally protected



1-YS



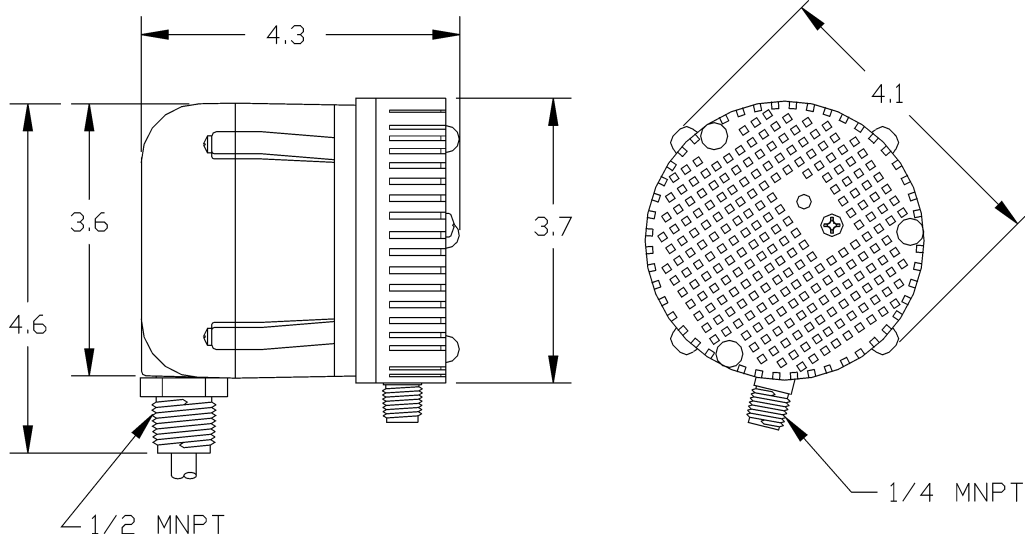
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Listing	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height			Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	3'	5'				
501020	1	1/4" MNPT	UR/C-CSA	1/150	115	60	1.1	70	205 (776)	168 (636)	120 (454)	7.4' (2.26 m)	3.2	6' (1.8 m)	3.5 (1.59 Kg)
501036	1-YS	1/4" MNPT		1/150	230	50/60	0.6	70	205 (776)	168 (636)	120 (454)	7.4' (2.26 m)	3.2	6' (1.8 m)	3.5 (1.59 Kg)

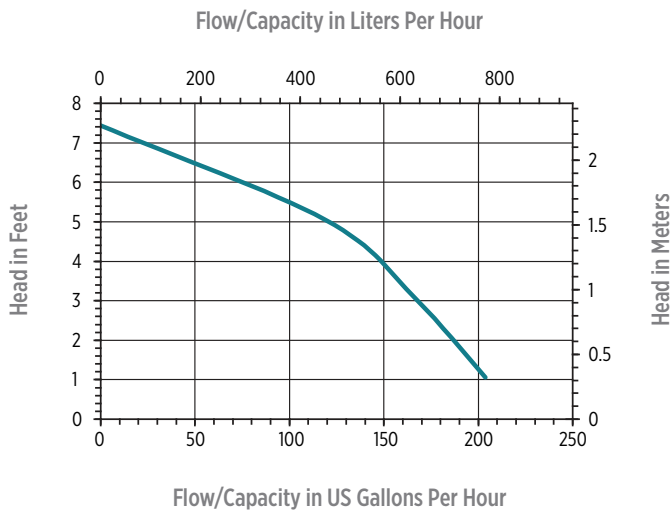
# SPECIALTY PUMPS

## 1-YS SERIES - 1/150 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	101351
<b>Impeller</b>	101433
<b>Screen</b>	101351



## 2E-NYS SERIES - 1/40 HP

### APPLICATIONS

Used for circulating unheated Stoddard solvent or deodorized kerosenes. Its die-cast aluminum design provides durability to handle a variety of cleaning solvents for longevity. These refined petroleum distillates are free from tendency to heat spontaneously; they have a closed cup flash point not lower than 100 °F.

### FEATURES

- Oil-filled aluminum housing
- Nylon volute impeller
- Conduit fitting for mounting
- Submerged use only in parts washers
- Fluoroelastomer (FKM) shaft seal
- For use with UL (PJQU) solvents
- Designed for continuous duty
- 6-foot power cord, no plug
- Thermally protected



2E-NYS



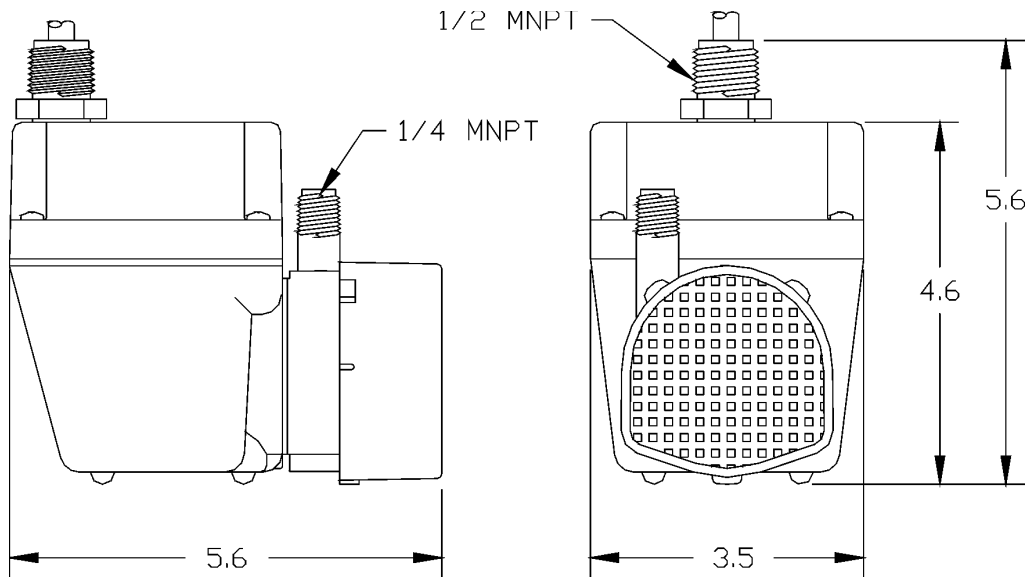
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Listing	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height				Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	3'	5'	9'				
502020	2E-NYS	1/4" MNPT	UR/C-CSA	1/40	115	60	1.7	100	300 (1136)	255 (965)	205 (776)	70 (265)	11.8' (3.6 m)	5.1	6' (1.8 m)	4.67 (2.12 Kg)

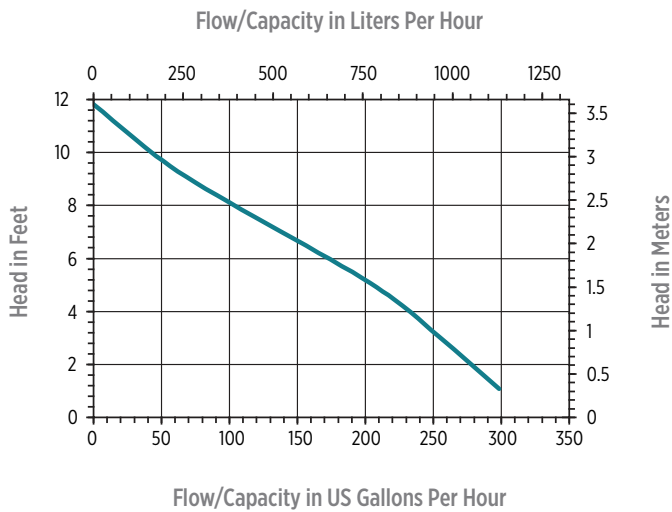
# SPECIALTY PUMPS

## 2E-NYS SERIES - 1/40 HP

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	102333
<b>Impeller</b>	102470
<b>Screen</b>	102901
<b>Gasket</b>	102601



## PE-2YSA SERIES

### APPLICATIONS

Suitable for submerged use in parts washers using aqueous solutions or UL-listed solvents. This parts washer pump is intended to pump unheated metal parts cleaning solvents, classified as PJQU in the “Gas and Oil Equipment Directory”, and aqueous cleaning solutions. Water-based solutions should not exceed 140 °F/60 °C or 12 pH.

### FEATURES

- Fluoroelastomer (FKM) shaft seal
- 1/4-inch MNPT discharge
- Conduit fitting for mounting
- 1/2-inch MNPT master builders conduit fitting
- Rated for continuous duty
- 6-foot power cord, no plug
- For submersible use only



PE-2YSA

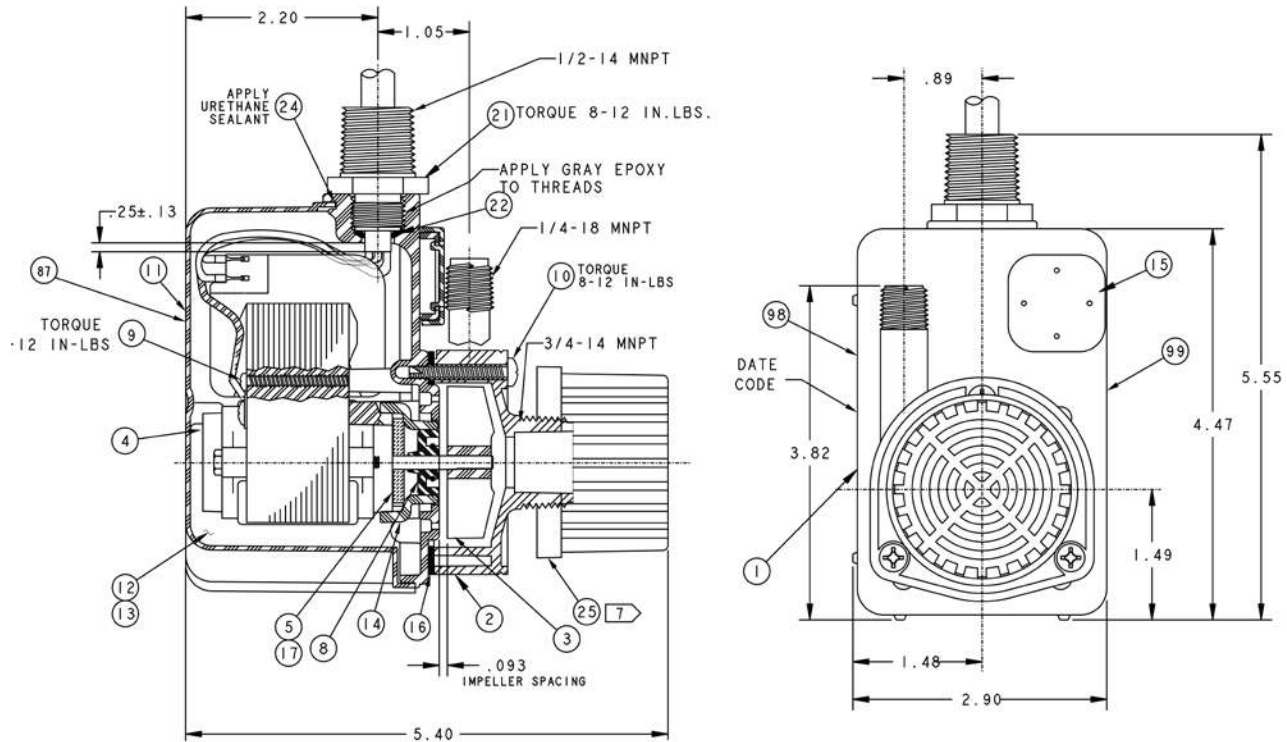


### SERIES SPECIFICATIONS

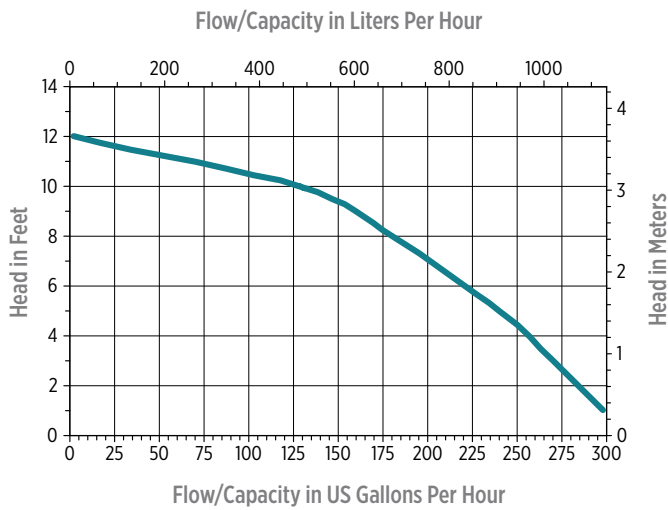
Item No.	Model	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
							1'	3'	5'	8'	10'				
518550	PE-2YSA	1/40	115	60	.8	47	300 (1136)	270 (1022)	240 (908)	180 (681)	130 (492)	12.2' (3.72 m)	5.3	6' (1.8 m)	4.66 (2.11 Kg)

## PE-ZYSA SERIES

### ENGINEERING DATA



### PERFORMANCE DATA



### REPLACEMENT PARTS

<b>Volute</b>	102333
<b>Impeller</b>	102470
<b>Screen</b>	102901
<b>Gasket</b>	102601



## MS SERIES



### APPLICATIONS

This direct drive marine pump is used submerged or inline with a flooded suction. It circulates freshwater or saltwater through marine air conditioner heat exchanger coils. These pumps include a sturdy mounting bracket for securing the pump in position and holding it in place.



### FEATURES

- Stainless steel and bronze construction
- Oil-free, permanent split capacitor (PSC) motor
- MS580P available in 230V 50 Hz/60 Hz
- All models have thermal protection
- Mounting brackets included
- Designed for continuous duty
- ABYC and USCG approved



### IMPORTANT NOTES

- Do not run the pump dry
- Operate either horizontal or volute down (do not install pump and operate with volute up)
- The pump is not self-priming, must be installed below waterline
- Be sure to include a strainer on the intake to prevent debris passing through the pump



Mounting Bracket & Plate included for MS320

Mounting Bracket included for MS580, MS900 and MS1200

### SERIES SPECIFICATIONS

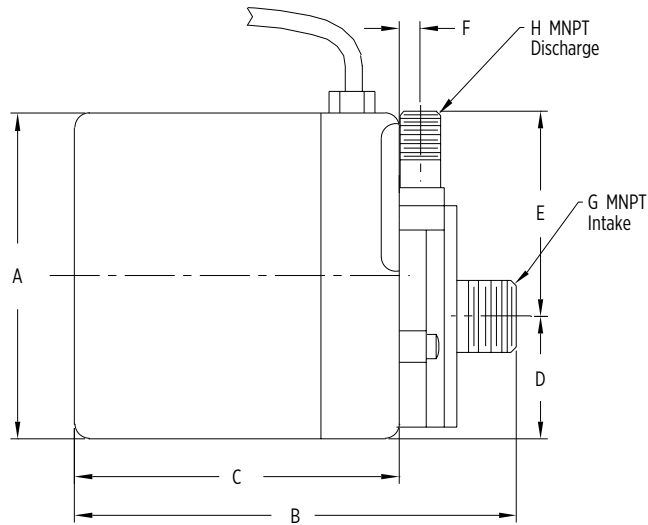
Item No.	Model	Discharge	Intake	Amps	Watts	Gallons per hour (Liter per hour) @ Height				Shut-Off	Cord	Weight lbs (Kg)
						1'	5'	10'	15'			
517200001	MS320P-6B	1/4" MNPT	1/2" MNPT	0.50	60	375 (1420)	310 (1170)	205 (775)	-	14.8' (4.5 m)	6' (1.8 m)	4.61 (2.1 Kg)
517200003	MS580P-6B	1/2" MNPT	3/4" MNPT	0.65	70	850 (3220)	705 (2670)	450 (1700)	-	13.2' (4 m)	6' (1.8 m)	7.94 (3.6 Kg)
517200004	MS580P-6-2B			0.40	90	850 (3220)	705 (2670)	450 (1700)	-	13.2' (4 m)	6' (1.8 m)	7.94 (3.6 Kg)
517200005	MS900P-6B			0.75	85	890 (3370)	775 (2930)	575 (2175)	180 (680)	15.6' (4.75 m)	6' (1.8 m)	7.94 (3.6 Kg)
517200006	MS1200P-6B			1.00	105	1150 (4350)	1070 (4050)	890 (3370)	600 (2270)	20' (6.10 m)	6' (1.8 m)	7.94 (3.6 Kg)

### REPAIR KITS & ACCESSORIES

Item No.	Model No.	Description
305626005	MSR-3P	Repair Kit MS320P (impeller, volute, O-ring, screws)
305626006	MSR-5P	Repair Kit MS580P (impeller, volute, O-ring, screws)
305626007	MSR-9P	Repair Kit MS900P (impeller, volute, O-ring, screws)
305626008	MSR-12P	Repair Kit MS1200P (impeller, volute, O-ring, screws)
305626009	CFS1-P	Intake Screen for MS320P
305626010	CFS100-P	Intake Filter Screen for MS580P, MS900P and MS1200P
305626011	MSUB-P	Mounting Plate for MS320P
305626012	MSUBM-P	Mounting Bracket for MS580P, MS900P and MS1200P

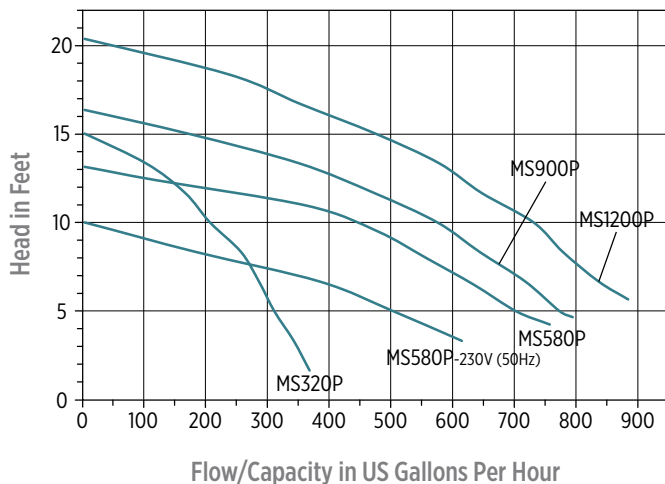
## MS SERIES

### ENGINEERING DATA



Model No.	A	B	C	D	E	F	G MNPT	H MNPT
MS320P-6B	3.85" (9.77 cm)	5.4" (13.72 cm)	3.85" (9.77 cm)	2.10" (5.33 cm)	2.22" (5.64 cm)	0.40" (1.02 cm)	1/2" (1.27 cm)	1/4" (0.64 cm)
MS580P-6B / MS580P-6-2B	4.45" (11.3 cm)	6.5" (16.51 cm)	4.75" (12.07 cm)	2.37" (6.02 cm)	2.75" (6.99 cm)	0.45" (1.14 cm)	3/4" (1.91 cm)	1/2" (1.27 cm)
MS900P-6B	4.45" (11.3 cm)	6.5" (16.51 cm)	4.75" (12.07 cm)	2.37" (6.02 cm)	2.75" (6.99 cm)	0.45" (1.14 cm)	3/4" (1.91 cm)	1/2" (1.27 cm)
MS1200P-6B	4.45" (11.3 cm)	6.5" (16.51 cm)	4.75" (12.07 cm)	2.37" (6.02 cm)	2.75" (6.99 cm)	0.45" (1.14 cm)	3/4" (1.91 cm)	1/2" (1.27 cm)

### PERFORMANCE DATA



### CONSTRUCTION

<b>Motor Housing</b>	Stainless steel
<b>Impeller Material</b>	Nylon
<b>Impeller Type</b>	Semi-open
<b>Volute</b>	Nylon
<b>Motor Shaft</b>	Stainless steel
<b>Shaft Seal</b>	Fluoroelastomer (FKM)
<b>Fasteners</b>	Stainless steel
<b>Bearings</b>	Stainless steel ball bearings
<b>Power Cord</b>	SJTOW



## 1-AA-MD SERIES - 1/200 HP

### APPLICATIONS

The Little Giant MD series features leakproof, seal-less magnetic drives, and are designed for in-line, non-submersible use. Volute and magnet housing are glass-filled polypropylene for excellent chemical resistance. Impeller is glass-filled polypropylene and ceramagnet "A" (barium ferrite). Shaft is stainless steel and thrust washers are Rulon "J" (Teflon®) for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, open, shaded-pole motor
- Sleeve bearings
- 3-foot lead wires without plug
- Specific gravity to 1.1
- Fluid temperature to 150 °F
- Ambient air temperature to 77 °F

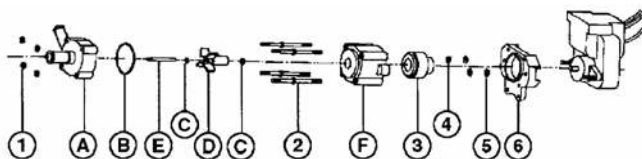


1-AA-MD



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height		Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'				
588001	1-AA-MD	1/2" Hose	1/2" Hose	UR/C-CSA	1/200	115	60	0.4	19	162 (613)	102 (386)	5.4	2.3	6' (1.8 m)	2.33 (1.06 Kg)
588122	1-AA	1/2" Hose	1/2" Hose	Pump Head Less Motor											0.90 (4.08 Kg)



### REPLACEMENT PARTS

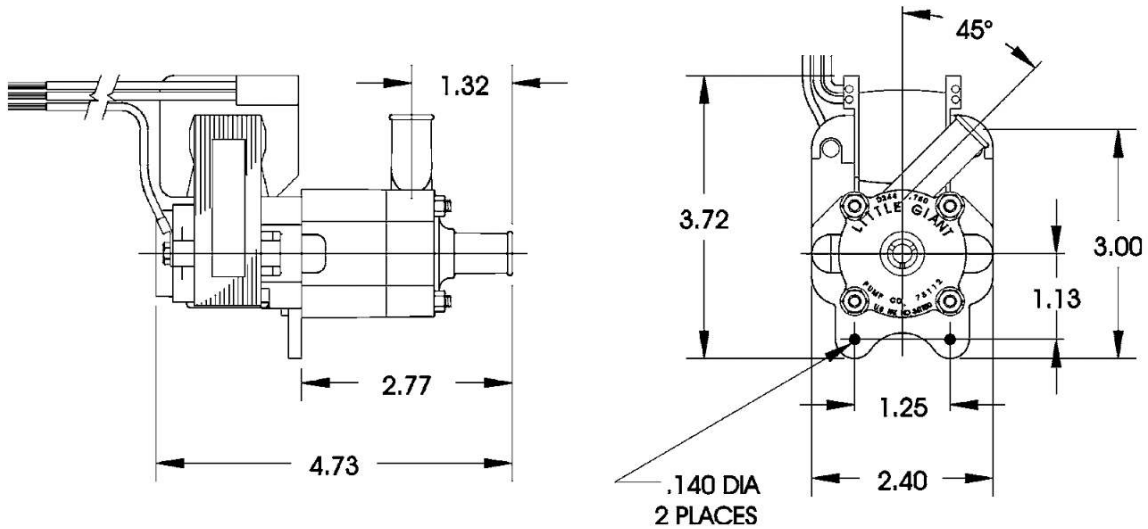
Item	Part No.	Description
A	188010	Volute
B	924025	O-ring
C	921065	Thrust washer
D	188100	Impeller
E	188050	Shaft
F	188001	Housing
1	920020	Wing nut
2	911503	Stud, collared
3	188124	Drive magnet
4	920002	Mounting bracket

NOTE: Parts A-F contact fluid

# SPECIALTY PUMPS

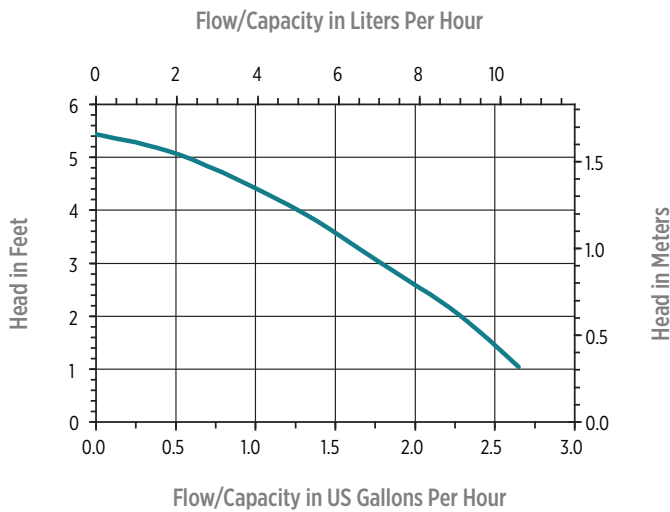
## 1-AA-MD SERIES - 1/200 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



### REPLACEMENT PARTS

Item	Part No.	Description
A	188010	Volute
B	924025	O-Ring
C	921065	Thrust Washer
D	188100	Impeller
E	188050	Shaft
F	188001	Housing
1	920020	Nut
2	911503	Stud, Collared
3	188124	Drive Magnet
4	920002	Nut
5	921028	Lock Washer
6	188030	Mounting Bracket

NOTE: Parts A-F contact fluid



## 1-EUAA-MD SERIES - 1/200 HP

### APPLICATIONS

The Little Giant 1-EUAA-MD series features leakproof, seal-less magnetic drives and are designed for in-line or submersible use. Volute and magnet housing are glass-filled polypropylene for excellent chemical resistance. Impeller is glass-filled polypropylene and ceramagnet "A" (barium ferrite). Shaft is ceramic and thrust washers are Rulon "J" (Teflon®) for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.



1-EUAA-MD

### FEATURES

- Thermally protected, epoxy encapsulated motor
- For submersible or in-line use
- 6-foot power cord with 3-prong plug
- Specific gravity to 1.1
- Fluid temperature to 120 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.



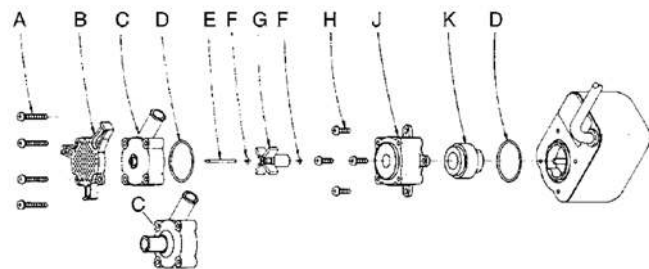
### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per hour (Liter per hour) @ Height		Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'				
588205	1-EUAA-MD	1/2" Hose	1/2" Hose	UR/CSA	1/200	115	60	0.3	17	150 (568)	105 (397)	5' (1.5 m)	2.2	6' (1.8 m)	3.00 (1.36 Kg)

### REPLACEMENT PARTS

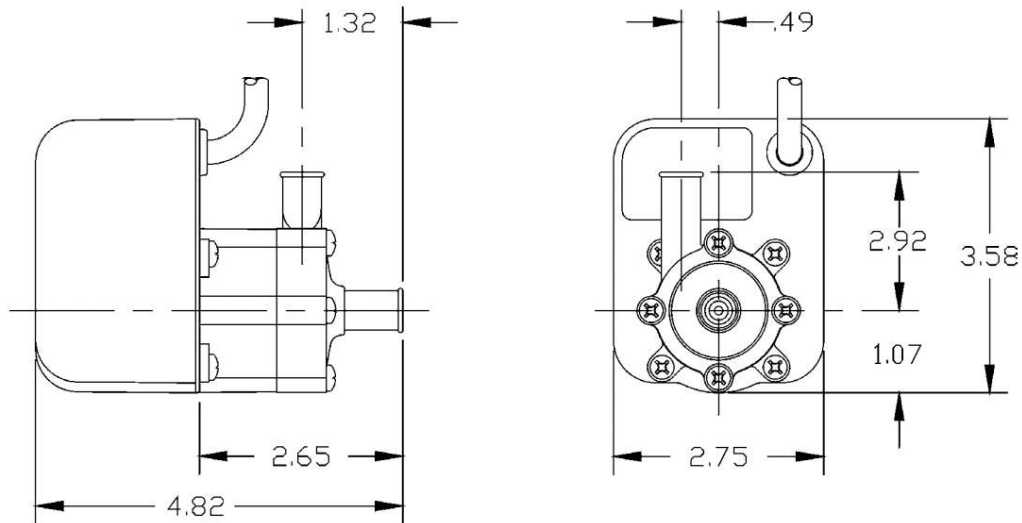
Item	Part No.	Description
A	902420	Screw
B	188901	Screen
C	188015	Volute, smooth
C	188016	Volute, in-line
D	924028	O-ring
E	188051	Shaft
F	921065	Thrust washer
G	188105	Impeller
H	902442	Screw
J	188004	Housing
K	118124	Drive magnet

NOTE: Parts A-K contact fluid



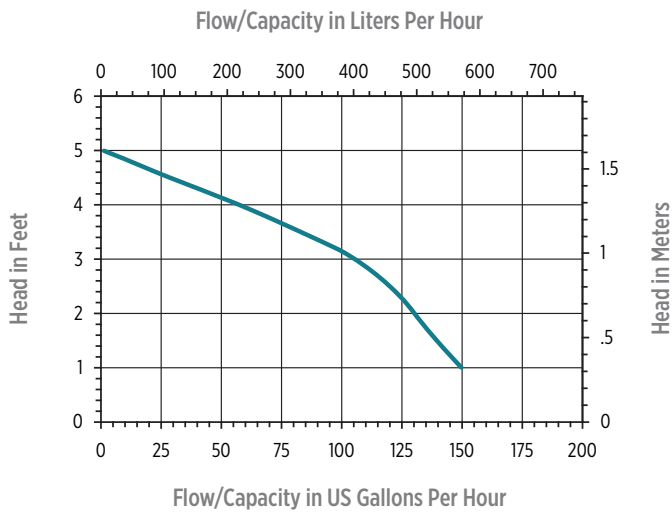
## 1-EUAA-MD SERIES - 1/200 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## 1-MD SERIES - 1/70 HP

### APPLICATIONS

The Little Giant MD series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute and magnet housing are glass-filled polypropylene for excellent chemical resistance. Impeller is glass-filled polypropylene and ceramagnet "A" (barium ferrite). Shaft and thrust washers are titanium for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, open, fan-cooled motor
- Sleeve bearings
- 6-foot power cord with 3-prong plug (no plug on 230V)
- Specific gravity to 1.1
- Fluid temperature to 150 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

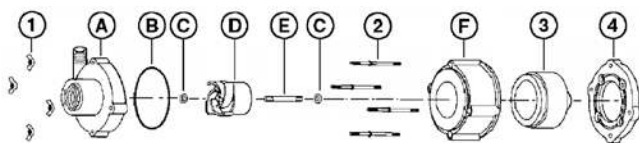


1-MD



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height				Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	6'	9'				
589002	1-MD	1/2" Hose	1/2" Hose	UR/CSA	1/70	115	60	0.8	60	3 (11.36)	2.75 (10.41)	1.5 (5.68)	.33 (1.25)	10.6' (3.23 m)	4.6	6' (1.8 m)	4 (1.81 Kg)
589012	1-MD	1/2" Hose	1/2" Hose		Pump Head Less Motor												



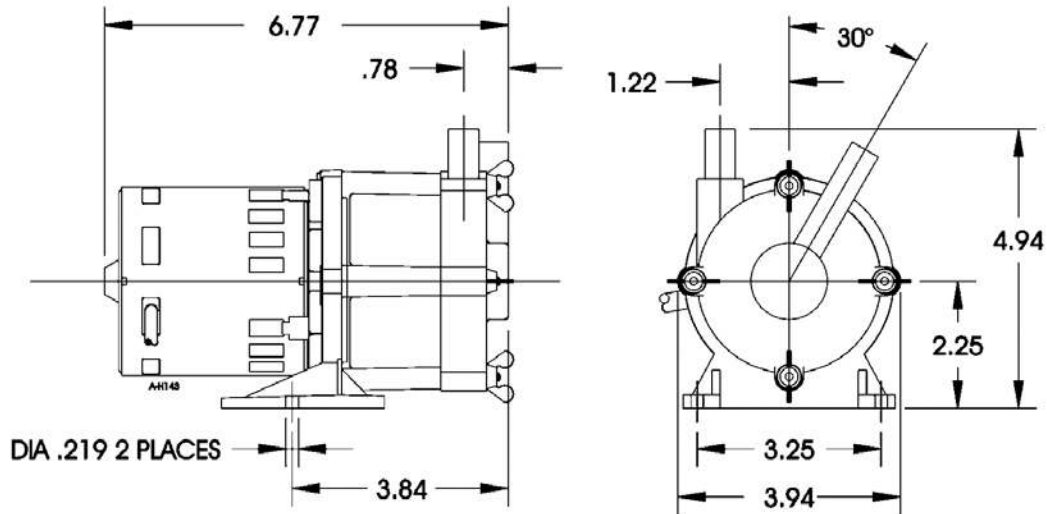
### REPLACEMENT PARTS

Item	Part No.	Description
A	188010	Volute
B	924025	O-ring
C	921065	Thrust washer
D	188100	Impeller
E	188050	Shaft
F	188001	Housing
1	920020	Wing nut
2	911503	Stud, collared
3	188124	Drive magnet
4	920002	Mounting bracket

NOTE: Parts A-F contact fluid

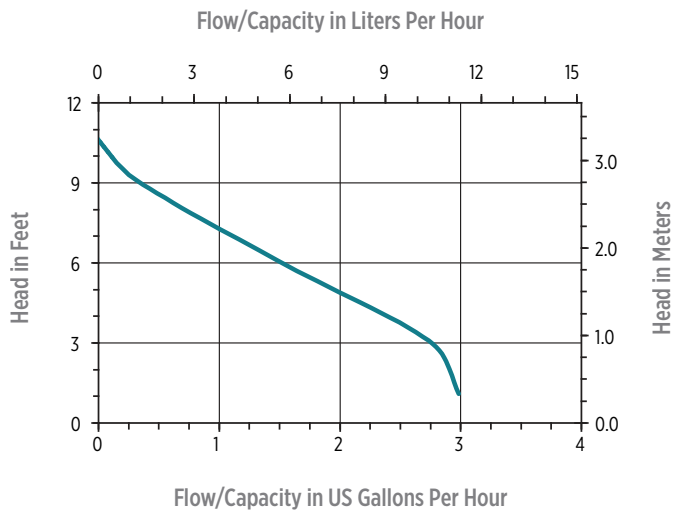
## 1-MD SERIES - 1/70 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## 2-MD SERIES - 1/30 HP

### APPLICATIONS

The Little Giant MD series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute and magnet housing are glass-filled polypropylene for excellent chemical resistance. Impeller is glass-filled polypropylene and ceramagnet "A" (barium ferrite). Shaft and thrust washers are titanium for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, open, fan-cooled motor
- Sleeve bearings
- 6-foot power cord with 3-prong plug (no plug on 230V)
- Specific gravity to 1.1
- Fluid temperature to 150 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

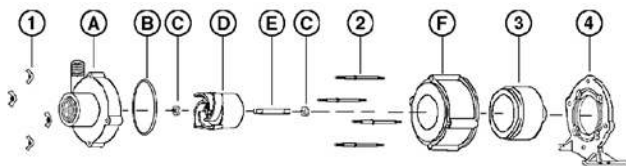


2-MD



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height				Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	6'	9'				
580002	2-MD	1/2" MNPT	1/2" FNPT	UR/C-CSA	1/30	115	60	1.5	100	8.5 (32.2)	7.8 (29.5)	6.8 (25.7)	5.5 (20.8)	14.6' (4.45 m)	6.3	6' (1.8 m)	6.25 (2.83 Kg)
580098	2-MD	1/2" MNPT	1/2" FNPT	Pump Head Less Motor										1.67 (0.76 Kg)			



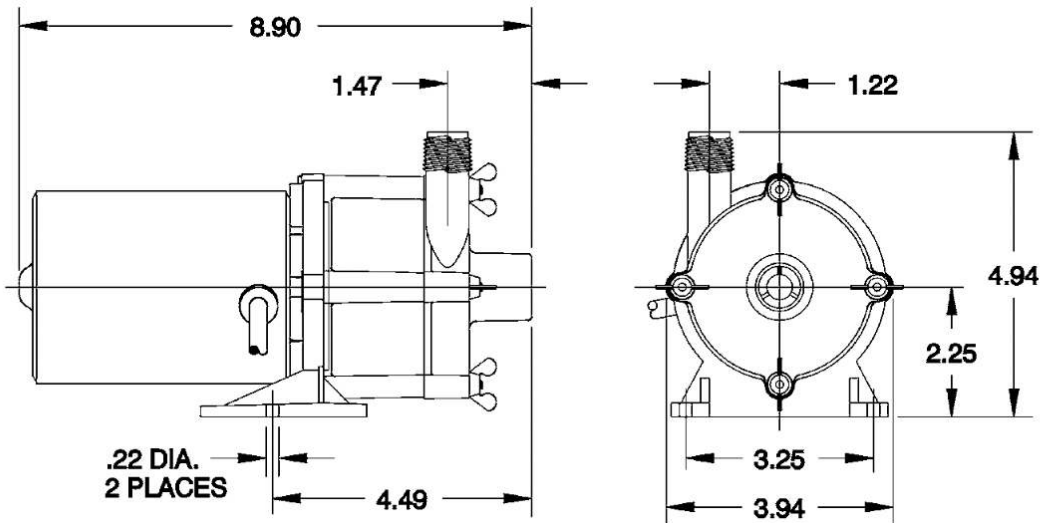
### REPLACEMENT PARTS

Item	Part No.	Description
A	180079	Volute
B	924007	O-ring
C	921067	Thrust washer
D	181165	Impeller
E	180058	Shaft
F	180004	Housing
1	920003	Wing nut
2	911403	Stud, collared
3	180602	Drive magnet
4	180031	Mounting bracket

NOTE: Parts A-F contact fluid

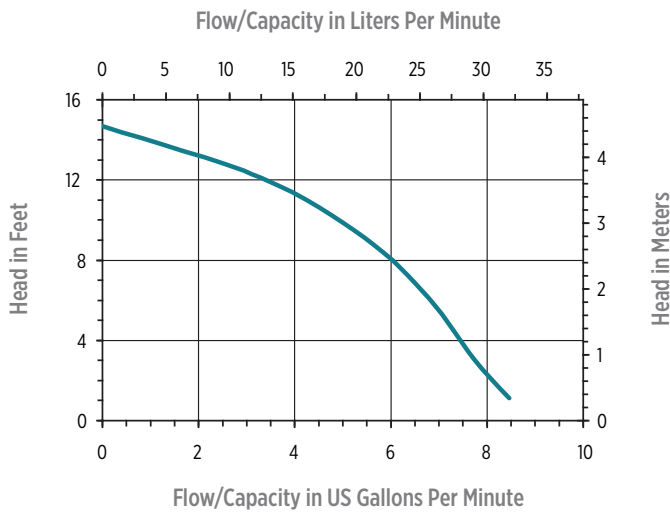
## 2-MD SERIES - 1/30 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## 3-MD SERIES - 1/20 HP

### APPLICATIONS

The Little Giant MD series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute and magnet housing are glass-filled polypropylene for excellent chemical resistance. Impeller is glass-filled polypropylene and ceramagnet "A" (barium ferrite). Shaft and thrust washers are titanium for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, open, fan-cooled motor
- Ball bearings
- 6-foot power cord with 3-prong plug
- Specific gravity to 1.1
- Fluid temperature to 150 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

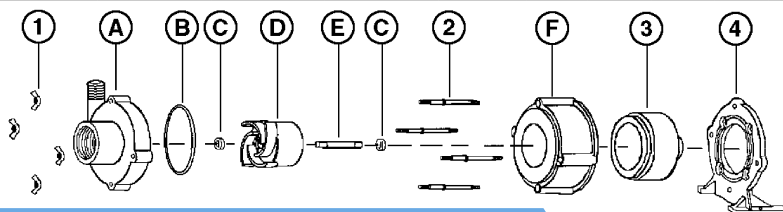


3-MD



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight (lbs.)
										1'	3'	6'	9'	15'				
581002	3-MD	1/2" MNPT	1/2" FNPT	UR/C-CSA	1/20	115	60	1.4	105	9.8 (37.1)	9.1 (34.4)	8.2 (31)	6.5 (24.6)	2.5 (9.5)	16.1' (4.9 m)	7.0	6' (1.8 m)	7.50 (3.4 Kg)
581098	3-MD	1/2" MNPT	1/2" FNPT							Pumps Head Less Motor							1.67 (0.76 Kg)	



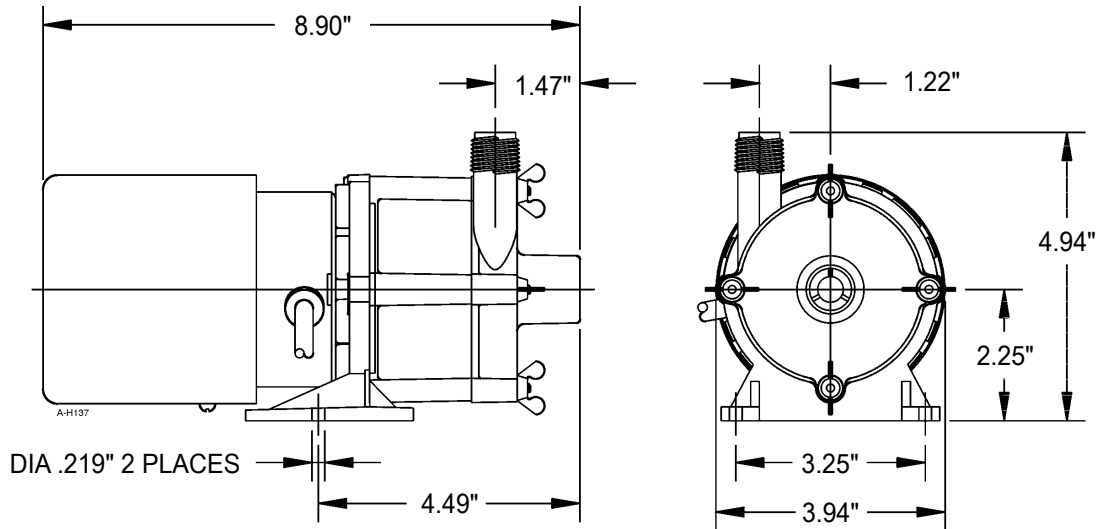
### REPLACEMENT PARTS

Item	Part No.	Description
A	188010	Volute
B	924025	O-ring
C	921065	Thrust washer
D	188100	Impeller
E	180050	Shaft
F	188001	Housing
1	920020	Wing nut
2	911503	Stud, collared
3	188124	Drive magnet
4	920002	Mounting bracket

NOTE: Parts A-F contact fluid

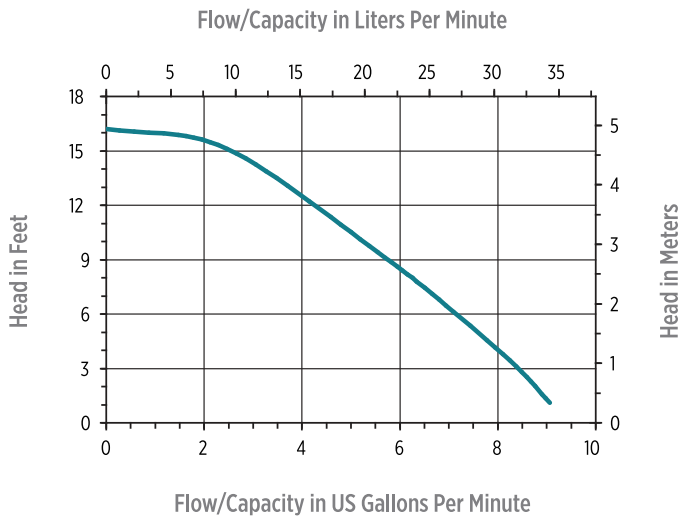
## 3-MD SERIES - 1/20 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## 3-MDX/3X-MDX SERIES - 1/25 HP 1/50 HP

### APPLICATIONS

The Little Giant MD series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute and magnet housing are glass-filled polypropylene for excellent chemical resistance. Impeller is glass-filled polypropylene and ceramagnet "A" (barium ferrite). Shaft and thrust washers are titanium for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.



3-MDX / 3X-MDX



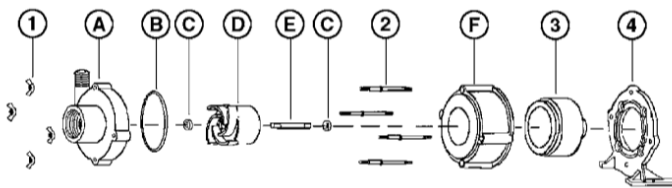
### FEATURES

- Thermally protected, open, fan-cooled motor
- Sleeve bearings
- 6-foot power cord with 3-prong plug (no plug on 230V)
- Specific gravity to 1.1
- Fluid temperature to 150 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height				Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	6'	9'				
581031	3-MDX	5/8" Hose	5/8" Hose	UR/C-CSA	1/25	115	60	1.65	126	7.6 (28.8)	7.0 (26.5)	6.8 (25.7)	6.0 (22.7)	19' (5.8 m)	8.2	6' (1.8 m)	6.25 (2.83 Kg)
581030	3X-MDX	5/8" Hose	5/8" Hose	UR/C-CSA	1/50	115	60	0.94	67	5.8 (22.0)	5.0 (18.9)	3.3 (12.5)	-	7' (2.1 m)	3.0	6' (1.8 m)	5.5 (2.49 Kg)



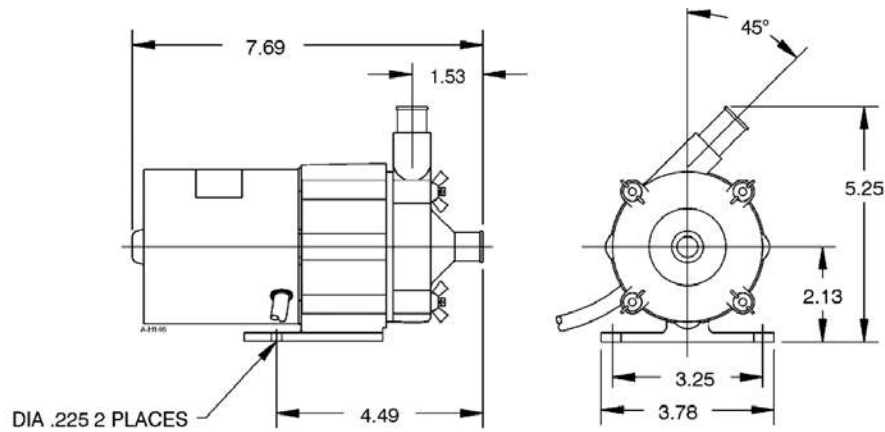
### REPLACEMENT PARTS

Item	Part No.	Description
A	181211	Volute
B	924007	O-ring
C	921067	Thrust washer
D	181112	Impeller 3-MDX
D	181111	Impeller 3X-MDX
E	180058	Shaft
F	181311	Backplate
1	920003	Wing nut
2	901418	Screw
3	180602	Drive magnet
4	181411	Mounting bracket

NOTE: Parts A-F contact fluid

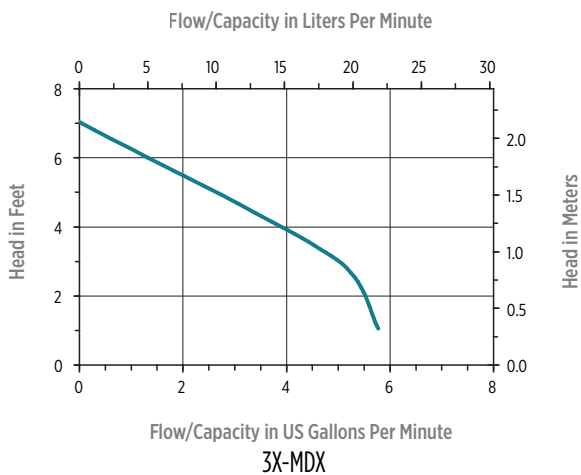
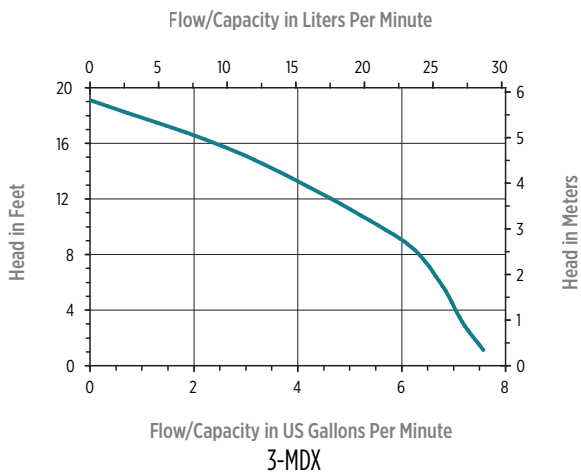
## 3-MDX/3X-MDX SERIES - 1/25 HP 1/50 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## TE-3-MD SERIES - 1/20 HP

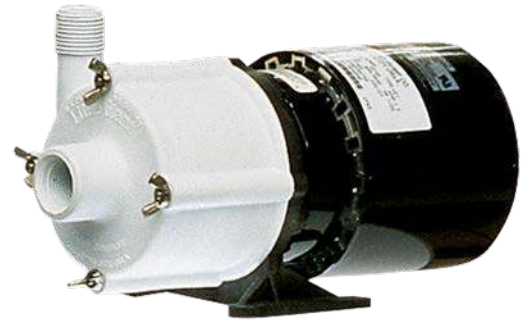
### APPLICATIONS

The Little Giant MD series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute and magnet housing are glass-filled polypropylene for excellent chemical resistance. Impeller is glass-filled polypropylene and ceramagnet "A" (barium ferrite). Shaft and thrust washers are titanium for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, totally enclosed, fan-cooled motor
- Ball bearings
- Specific gravity to 1.1
- Fluid temperature to 150 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

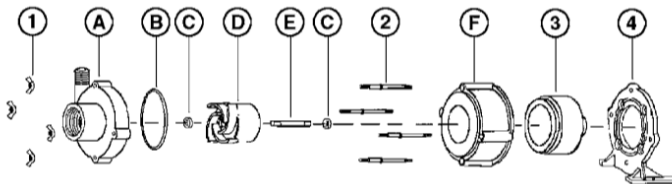


TE-3-MD



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	6'	9'	15'				
581012	TE-3-MD	1/2" MNPT	1/2" FNPT	UR/C-CSA	1/20	230	50/60	1.1/0.8	135/115	9.8 (37.1)	9.1 (34.4)	8.2 (31)	6.5 (24.6)	2.5 (9.5)	16.3' (4.97 m)	7.1	6' (1.8 m)	8.00 (3.63 Kg)



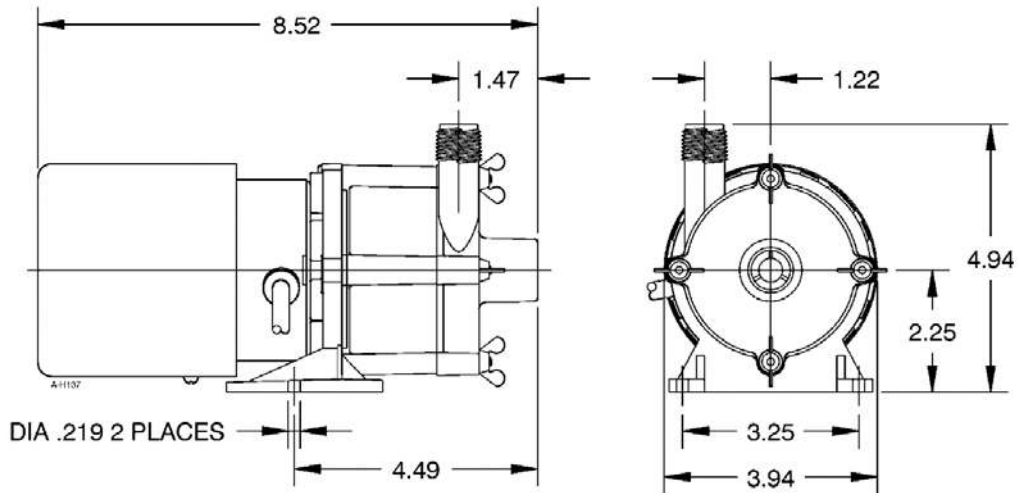
### REPLACEMENT PARTS

Item	Part No.	Description
A	183070	Volute
B	924007	O-ring
C	921067	Thrust washer
D	183142	Impeller
E	182056	Shaft
F	182005	Housing
1	920003	Wing nut
2	911403	Stud, collared
3	182602	Drive magnet
4	180031	Mounting bracket

NOTE: Parts A-F contact fluid

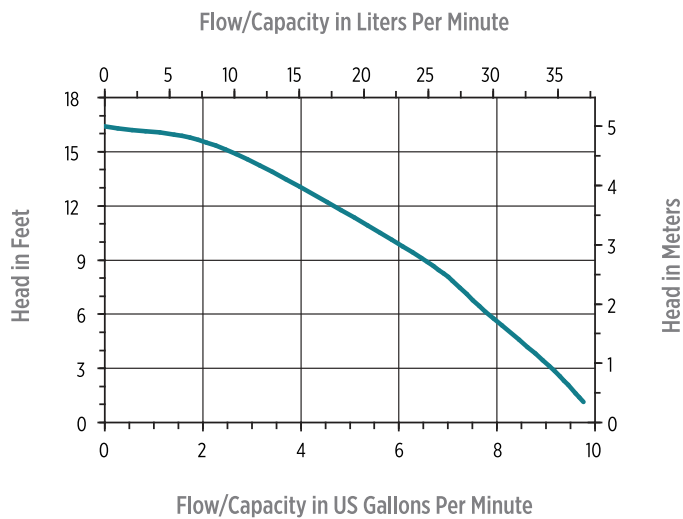
## TE-3-MD SERIES - 1/20 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## 4-MD SERIES - 1/12 HP

### APPLICATIONS

The Little Giant MD series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute and magnet housing are glass-filled polypropylene for excellent chemical resistance. Impeller is glass-filled polypropylene and ceramagnet "A" (barium ferrite). Shaft and thrust washers are titanium for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, open, fan-cooled motor
- Ball bearings
- 6-foot power cord with 3-prong plug (no plug on 230V)
- Specific gravity to 1.1
- Fluid temperature to 150 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

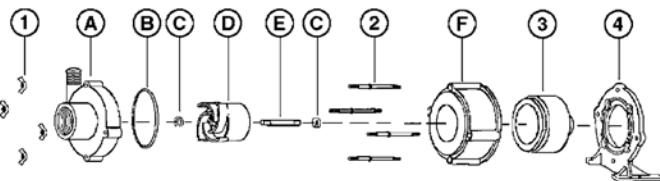


4-MD



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	6'	9'	15'				
582002	4-MD	1/2" MNPT	1/2" FNPT	UR/C-CSA	1/12	115	60	2.4	213	11.5 (43.5)	11 (41.6)	10 (37.9)	9.1 (34.4)	6.5 (24.6)	23.7' (7.22 m)	10.3	6' (1.8 m)	8.5 (3.86 Kg)
582098	4-MD	1/2" MNPT	1/2" FNPT	Pump Head Less Motor													2.17 (0.98 Kg)	



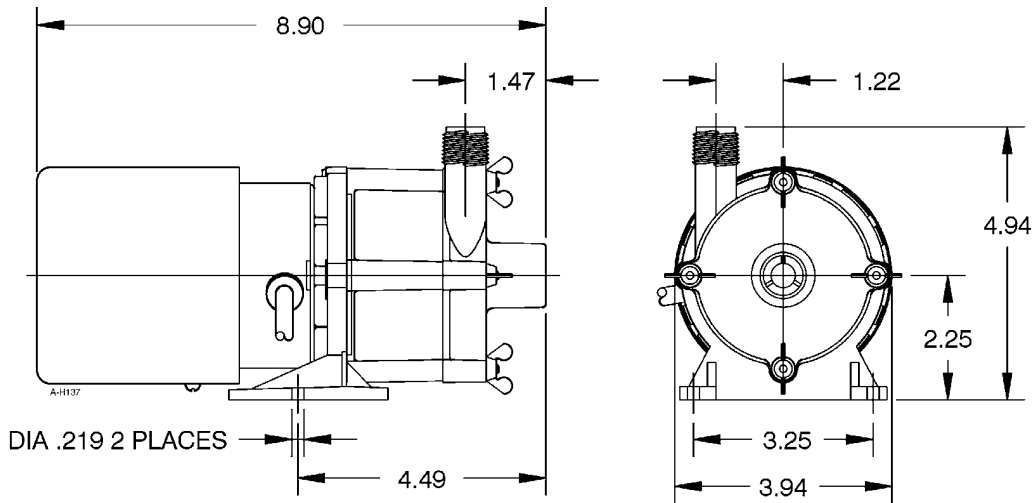
### REPLACEMENT PARTS

Item	Part No.	Description
A	183070	Volute
B	924007	O-ring
C	921067	Thrust washer
D	183142	Impeller
E	182056	Shaft
F	182005	Housing
1	920003	Wing nut
2	911403	Stud, collared
3	182602	Drive magnet
4	180031	Mounting bracket

NOTE: Parts A-F contact fluid

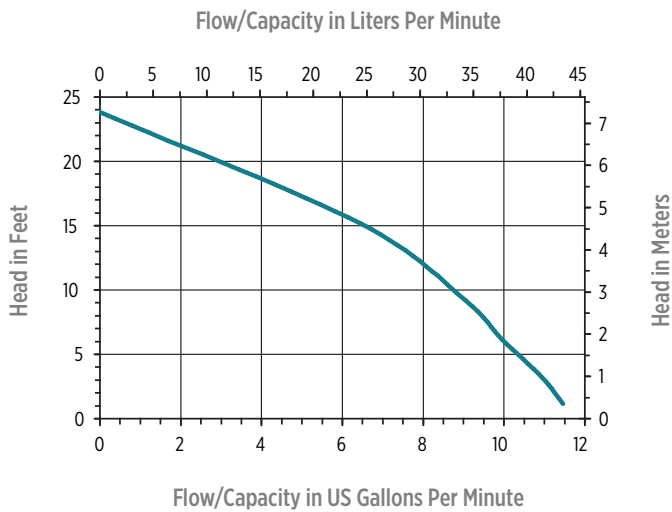
## 4-MD SERIES - 1/12 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## 5-MD SERIES - 1/8 HP

### APPLICATIONS

The Little Giant MD series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute and magnet housing are glass-filled polypropylene for excellent chemical resistance. Impeller is glass-filled polypropylene and ceramagnet "A" (barium ferrite). Shaft and thrust washers are titanium for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, open, fan-cooled permanent split capacitor motor
- Sleeve bearings
- 6-foot power cord with 3-prong plug (no plug on 230V)
- Specific gravity to 1.1
- Fluid temperature to 150 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

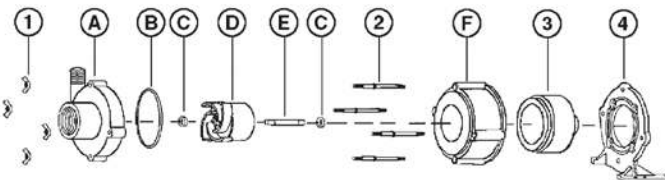


5-MD



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	6'	9'	15'				
583002	5-MD	1/2" MNPT	1/2" FNPT	UR/C-CSA	1/8	115	60	2.1	200	15.1 (57.2)	14.6 (55.3)	13.3 (50.3)	12.5 (47.3)	10.6 (40.1)	34.6' (10.5 m)	15.0	6' (1.8 m)	9.25 (4.2 Kg)



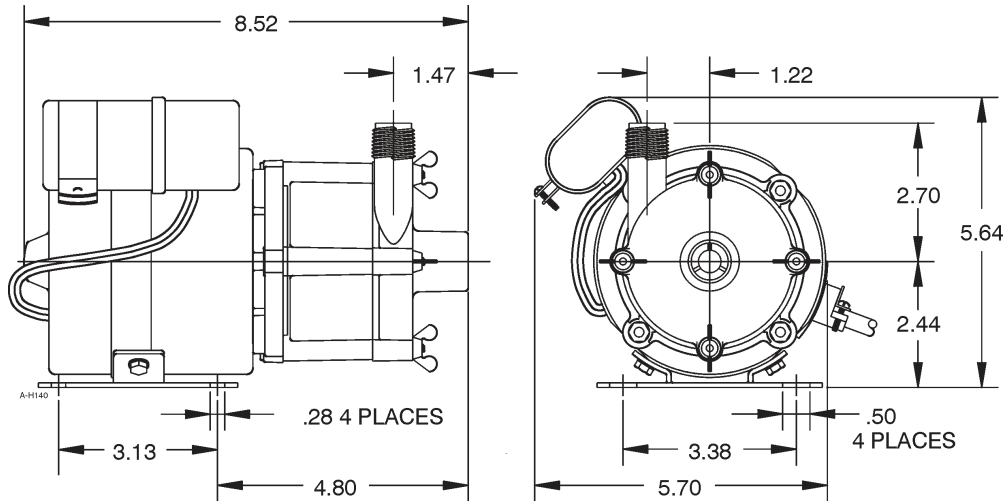
### REPLACEMENT PARTS

Item	Part No.	Description
A	183070	Volute
B	924007	O-ring
C	921067	Thrust washer
D	183142	Impeller
E	182056	Shaft
F	182005	Housing
1	920003	Wing nut
2	911403	Stud, collared
3	182602	Drive magnet
4	180031	Mounting bracket

NOTE: Parts A-F contact fluid

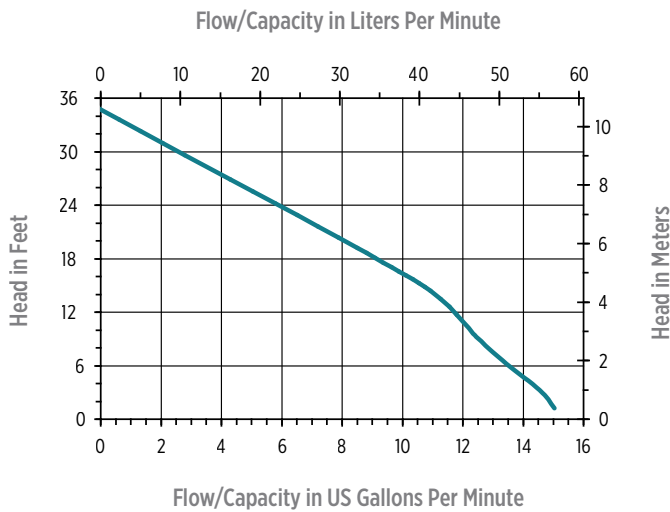
## 5-MD SERIES - 1/8 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## PE-1.5-MDI-SC SERIES - 1/35 HP

### APPLICATIONS

The Little Giant PE-1.5-MDI-SC series features leakproof, seal-less magnetic drives and are designed for submersible use only. Volute, magnet housing and impeller are glass-filled polypropylene for excellent chemical resistance. Ceramic shaft and thrust washers are 99.5% pure alumina for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, open, fan-cooled permanent split capacitor motor
- Sleeve bearings
- 6-foot power cord with 3-prong plug (no plug on 230V)
- Specific gravity to 1.1
- Fluid temperature to 150 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

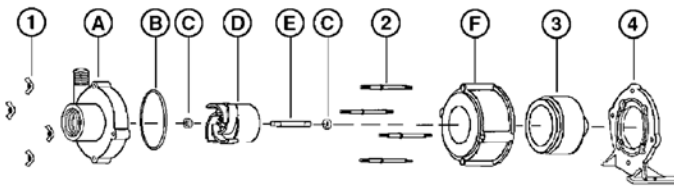


PE-1.5-MDI-SC



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	6'	8'	10'				
589204	PE-1.5-MDI-SC	1/2" FNPT	1/2" MNPT	UR/C-CSA	1/35	115	60	0.9	63	5.4 (20.4)	5 (18.9)	4.1 (15.5)	3.3 (12.5)	2.5 (9.5)	12.8' (3.9 m)	5.5	6' (1.8 m)	5.00 (2.27 Kg)



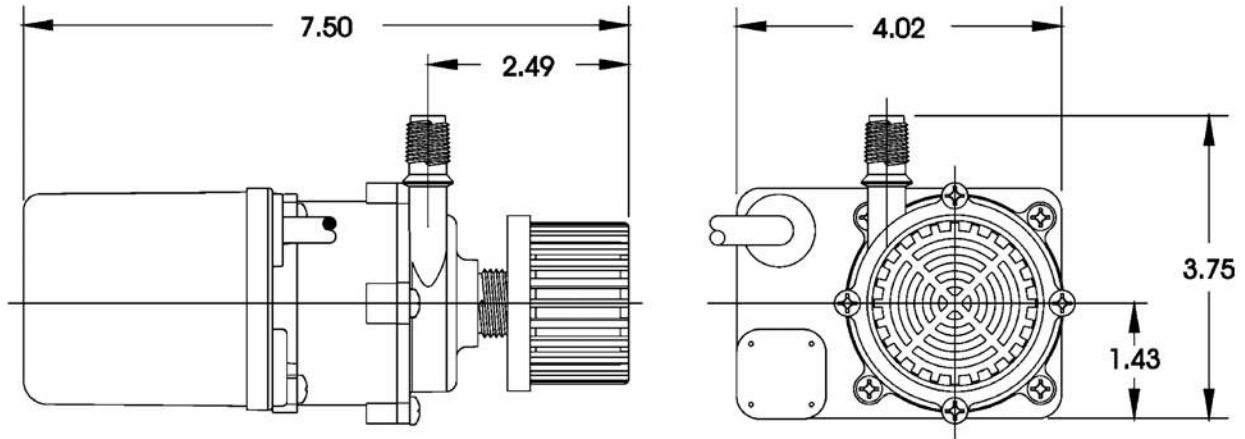
### REPLACEMENT PARTS

Item	Part No.	Description
A	118913	Screen
B	902402	Screw
C	189003	Volute
D	921077	Thrust Washer
E	189042	Shaft
F	189010	Impeller
G	924134	O-Ring (volute)
G	924133	O-Ring (motor housing)
H	189045	Housing
I	189028	Drive Magnet

NOTE: Parts A-F contact fluid

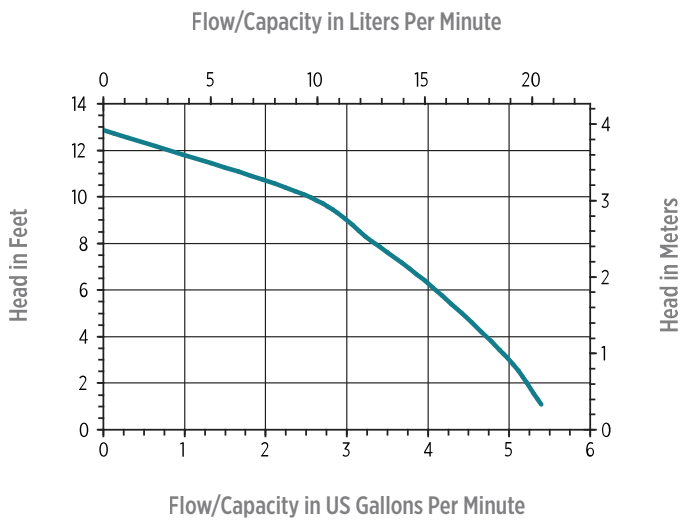
## PE-1.5-MDI-SC SERIES - 1/35 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## 2-MD-SC SERIES - 1/25, 1/30 HP

### APPLICATIONS

The Little Giant MD-SC series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute, magnet housing and impeller are glass-filled polypropylene for excellent chemical resistance. Ceramic shaft and thrust washers are 99.5% pure alumina for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, open, fan-cooled motor
- Sleeve bearings
- 6-foot power cord with 3-prong plug (no plug on 230V)
- Specific gravity to 1.1
- Fluid temperature to 150 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

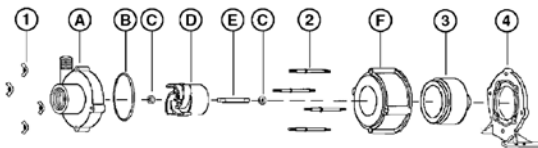


2-MD-SC



### SERIES SPECIFICATIONS

Item No.	Model No.	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height				Shut-Off (4.45 m)	PSI	Cord	Weight lbs (Kg)
										1'	3'	6'	9'				
580503	2-MD-SC	1/2" MNPT	1/2" FNPT	UR/C-CSA	1/25	115	60	1.4	109	8.5 (32.2)	7.8 (29.5)	6.8 (25.7)	5.5 (20.8)	14.6'	6.3	6' (1.8 m)	6.25 (2.83 Kg)
580513	2-MD-SC	1/2" MNPT	1/2" FNPT	UR/C-CSA	1/30	230	50/60	0.65/0.64	105/100	8.5 (32.2)	7.8 (29.5)	6.8 (25.7)	5.5 (20.8)	14.6'	6.3	6' (1.8 m)	6.25 (2.83 Kg)
580598	2-MD-SC	1/2" MNPT	1/2" FNPT	Pump Head Less Motor												1.83 (0.83 Kg)	



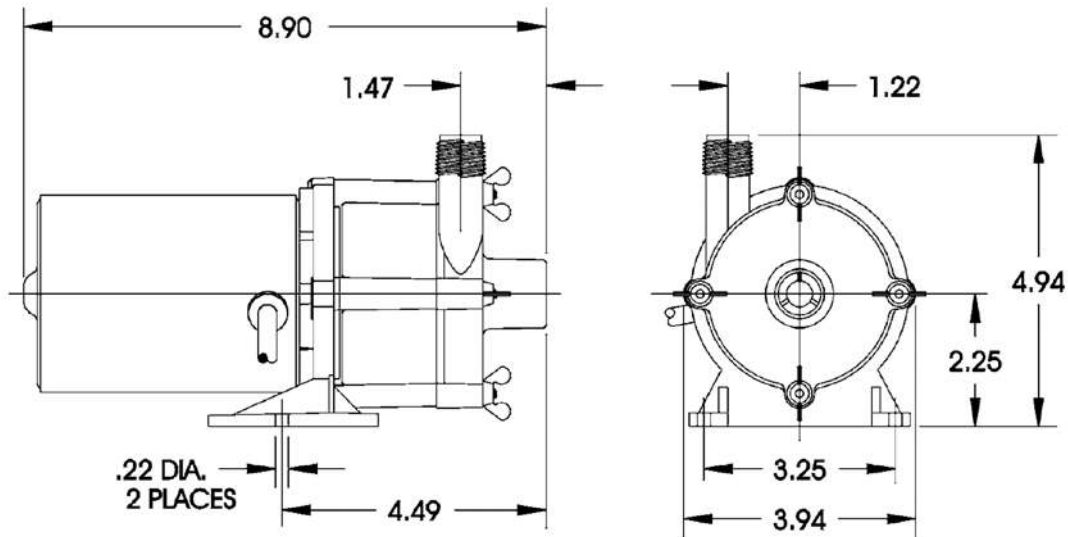
### REPLACEMENT PARTS

Item	Part No.	Description
A	180079	Volute
B	924007	O-Ring
C	921077	Thrust Washer
D	180100	Impeller
E	180059	Shaft
F	180004	Housing
1	920003	Wing nut
2	920003	Stud, collared
3	180602	Drive Magnet
4	180031	Mounting Bracket (115V)
4	180037	Mounting Bracket (230V)

NOTE: Parts A-F contact fluid

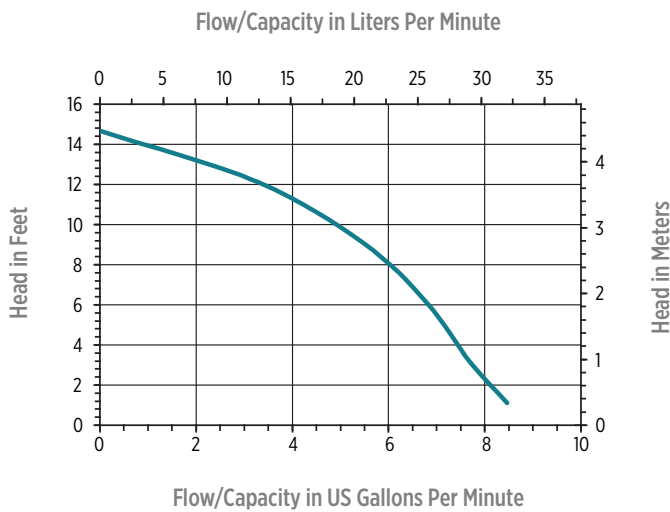
## 2-MD-SC SERIES - 1/25, 1/30 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



### REPLACEMENT PARTS

Item	Part No.	Description
A	180079	Volute
B	924007	O-Ring
C	921077	Thrust Washer
D	180100	Impeller
E	180059	Shaft
F	180004	Housing
1	920003	Wing nut
2	920003	Stud, collared
3	180602	Drive Magnet
4	180031	Mounting Bracket (115V)
4	180037	Mounting Bracket (230V)

NOTE: Parts A-F contact fluid



## 3-MD-SC SERIES - 1/12 HP

### APPLICATIONS

The Little Giant MD-SC series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute, magnet housing and impeller are glass-filled polypropylene for excellent chemical resistance. Ceramic shaft and thrust washers are 99.5% pure alumina for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, open, fan cooled motor
- Ball bearings
- 6-foot power cord with 3-prong plug (no plug on 230V)
- Specific gravity to 1.1
- Fluid temperature to 150 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

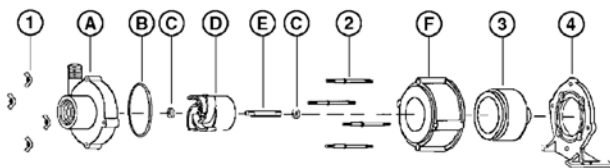


3-MD-SC



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	6'	9'	15'				
581503	3-MD-SC	1/2" MNPT	3/4" FNPT	UR/C-CSA	1/12	115	60	2.4	190	12.5 (47.3)	11.8 (44.7)	11.1 (42.0)	10 (37.9)	7.1 (26.9)	21.9' (6.68 m)	9.5	6' (1.8 m)	8.5 (3.86 Kg)
581513	3-MD-SC	1/2" MNPT	3/4" FNPT	UR/C-CSA	1/12	230	60	1.2	190	12.5 (47.3)	11.8 (44.7)	11.1 (42.0)	10 (37.9)	7.1 (26.9)	21.9' (6.68 m)	9.5	6' (1.8 m)	8.5 (3.86 Kg)
581597	3-MD-SC	-	3/4" FNPT	Pump Head Less Motor											0.0	6' (1.8 m)	2.00 (0.97 Kg)	



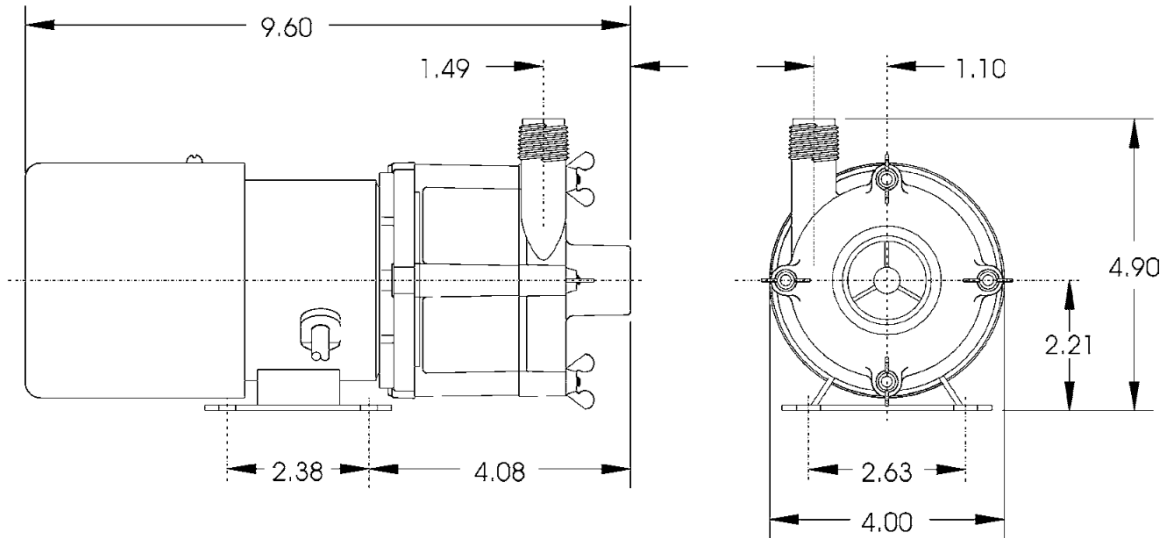
### REPLACEMENT PARTS

Item	Part No.	Description
A	182010	Volute
B	924007	O-Ring
C	921077	Thrust Washer
D	181140	Impeller
E	180057	Shaft
F	182005	Housing
1	920003	Wing nut
2	911403	Stud, collared
3	182602	Drive Magnet
4	180037	Mounting Bracket

NOTE: Parts A-F contact fluid

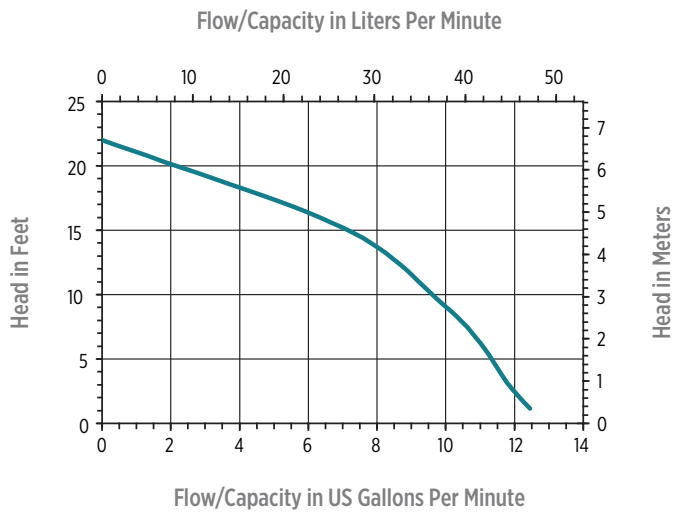
## 3-MD-SC SERIES - 1/12 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## 4-MD-SC SERIES - 1/10 HP

### APPLICATIONS

The Little Giant MD-SC series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute, magnet housing and impeller are glass-filled polypropylene for excellent chemical resistance. Ceramic shaft and thrust washers are 99.5% pure alumina for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, open, fan-cooled, permanent split capacitor motor
- Sleeve bearings
- 6-foot power cord with 3-prong plug
- Specific gravity to 1.1
- Fluid temperature to 150 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

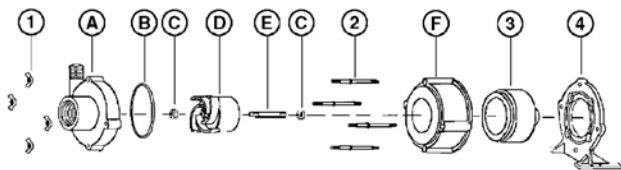


4-MD-SC



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	6'	9'	15'				
582503	4-MD-SC	1/2" MNPT	1" FNPT	UR/C-CSA	1/10	115	60	1.7	185	14.2 (53.8)	13.5 (51.1)	12.8 (48.5)	11.8 (44.7)	9.2 (34.8)	24.3' (7.4 m)	10.5	6' (1.8 m)	9.00 (4.08 Kg)
582598	4-MD-SC	1/2" MNPT	1" FNPT	Pump Head Less Motor											0.0	6' (1.8 m)	2.00 (0.97 Kg)	



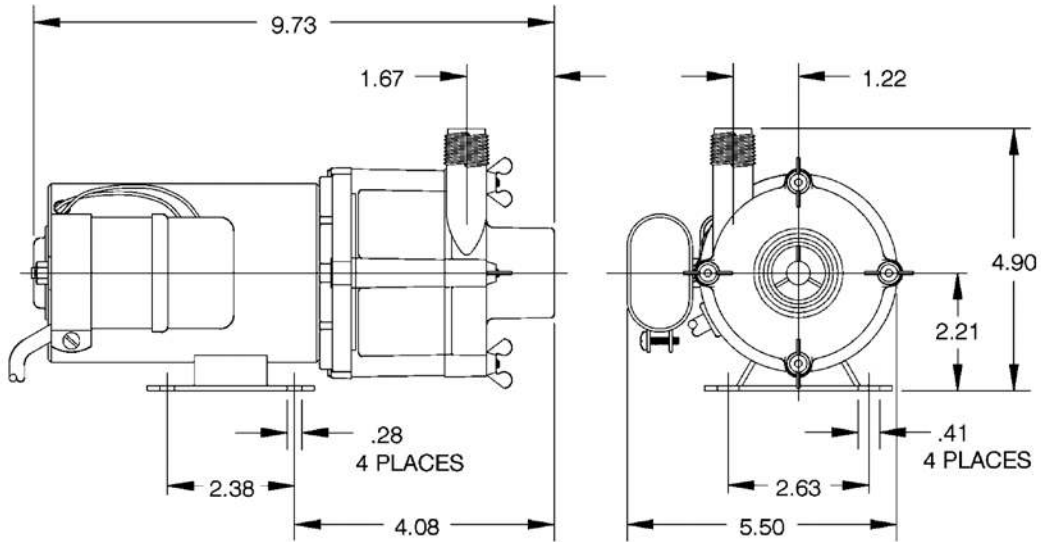
### REPLACEMENT PARTS

Item	Part No.	Description
A	182010	Volute
B	924007	O-Ring
C	921077	Thrust Washer
D	183132	Impeller
E	180057	Shaft
F	182005	Housing
1	920003	Wing nut
2	911403	Stud, collared
3	182602	Drive Magnet
4	180037	Mounting Bracket

NOTE: Parts A-F contact fluid

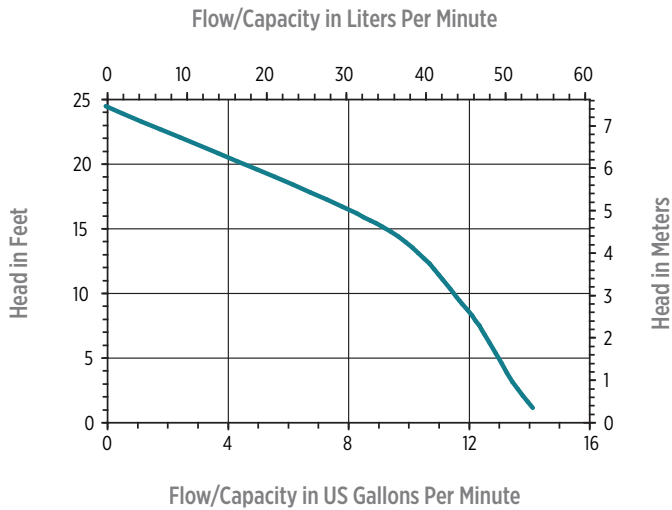
## 4-MD-SC SERIES - 1/10 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## TE-4-MD-SC SERIES - 1/10 HP

### APPLICATIONS

The Little Giant MD-SC series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute, magnet housing and impeller are glass-filled polypropylene for excellent chemical resistance. Ceramic shaft and thrust washers are 99.5% pure alumina for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.



TE-4-MD-SC



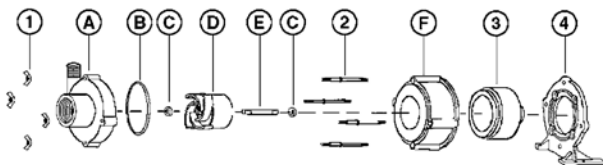
### FEATURES

- Thermally protected, totally enclosed, permanent split capacitor motor
- Sleeve bearings
- 6-foot power cord with 3-prong plug (no plug on 230V)
- Specific gravity to 1.1
- Fluid temperature to 150 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	6'	9'	15'				
582514	TE-4-MD-SC	1/2" MNPT	1" FNPT	UR/C-CSA	1/10	230	50/60	.5/7	120/150	14.2 (53.8)	13.5 (51.1)	12.8 (48.5)	11.8 (44.7)	9.2 (34.8)	24.3' (7.4 m)	10.5	6' (1.8 m)	9.75 (4.42 Kg)



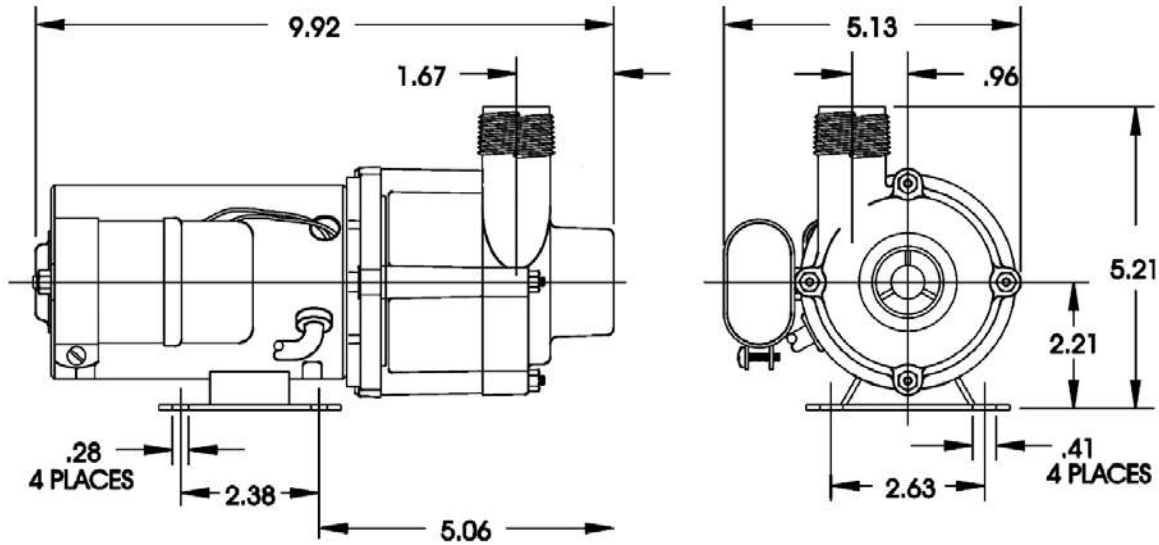
### REPLACEMENT PARTS

Item	Part No.	Description
A	182010	Volute
B	924007	O-Ring
C	921077	Thrust Washer
D	183132	Impeller
E	180057	Shaft
F	182005	Housing
1	920003	Wing nut
2	911403	Stud, collared
3	182602	Drive Magnet
4	180037	Mounting Bracket

NOTE: Parts A-F contact fluid

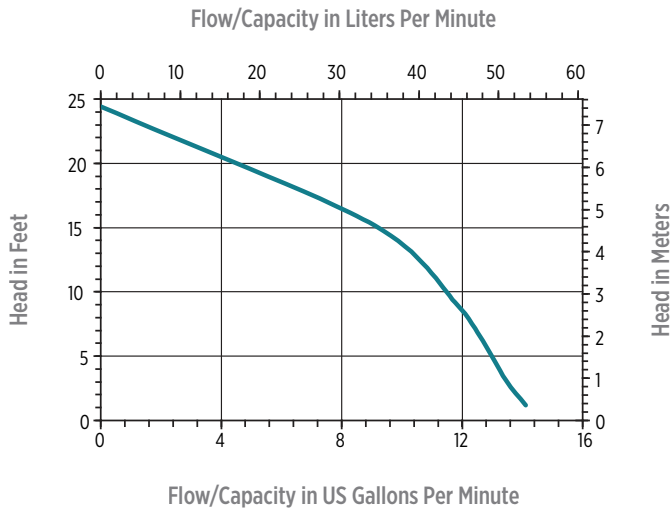
## TE-4-MD-SC SERIES - 1/10 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## 5-MD-SC SERIES - 1/8 HP

### APPLICATIONS

The Little Giant MD-SC series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute, magnet housing and impeller are glass-filled polypropylene for excellent chemical resistance. Ceramic shaft and thrust washers are 99.5% pure alumina for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, open, fan cooled, permanent split capacitor motor
- Sleeve bearings
- 6-foot power cord with 3-prong plug (no plug on 230V)
- Specific gravity to 1.1
- Fluid temperature to 150 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

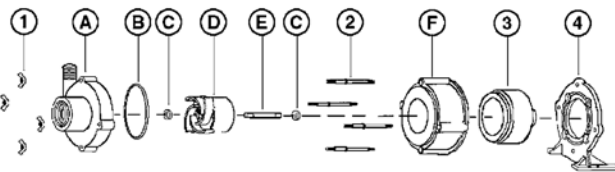


5-MD-SC



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	6'	9'	15'				
583503	5-MD-SC	1/2" MNPT	1" FNPT	UR/C-CSA	1/8	115	50/60	2.0	208	17.5 (66.2)	16.5 (62.5)	15.3 (57.9)	14 (53)	10.9 (41.3)	27.5' (8.4 m)	11.9	6' (1.8 m)	9.25 (4.2 Kg)
583513	5-MD-SC	1/2" MNPT	1" FNPT	UR/C-CSA	1/8	230	50/60	1.0/1.1	200/240	17.5 (66.2)	16.5 (62.5)	15.3 (57.9)	14 (53)	10.9 (41.3)	27.5' (8.4 m)	11.9	6' (1.8 m)	9.25 (4.2 Kg)
582598	5-MD-SC	1/2" MNPT	1" FNPT	Pump Head Less Motor											6' (1.8 m)	2.00 (0.97 Kg)		



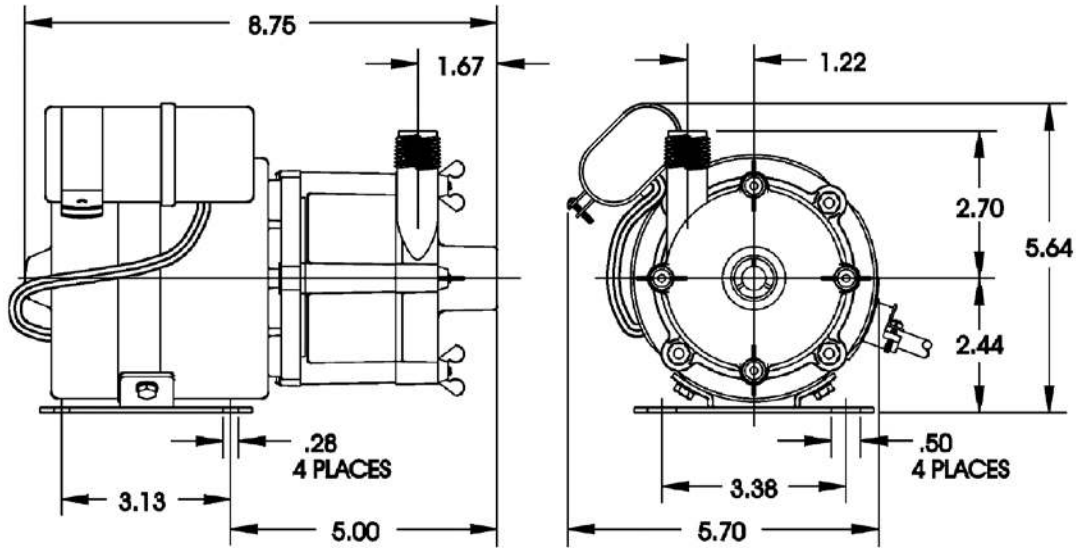
### REPLACEMENT PARTS

Item	Part No.	Description
A	183065	Volute
B	924007	O-Ring
C	921077	Thrust Washer
D	183139	Impeller
E	180057	Shaft
F	182005	Housing
1	920003	Wing nut
2	911403	Stud, collared
3	182602	Drive Magnet
4	183031	Mounting Bracket

NOTE: Parts A-F contact fluid

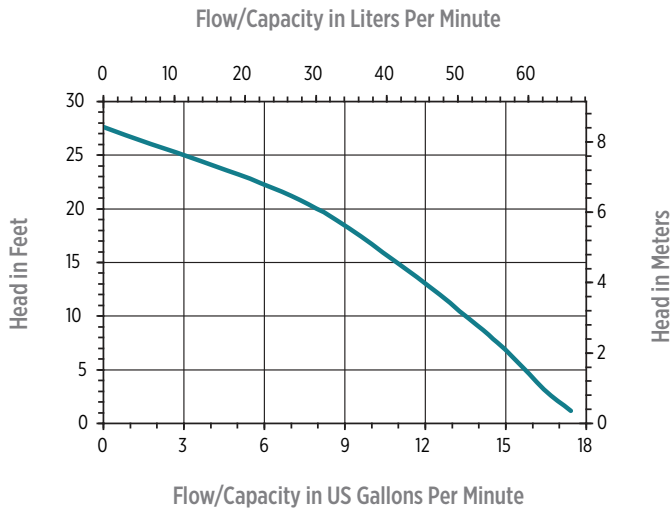
## 5-MD-SC SERIES - 1/8 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## TE-5-MD-SC SERIES - 1/8 HP

### APPLICATIONS

The Little Giant MD-SC series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute, magnet housing and impeller are glass-filled polypropylene for excellent chemical resistance. Ceramic shaft and thrust washers are 99.5% pure alumina for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, totally enclosed permanent split capacitor motor
- Ball bearings
- 6-foot power cord with 3-prong plug (not installed)
- Specific gravity to 1.1
- Fluid temperature to 150 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

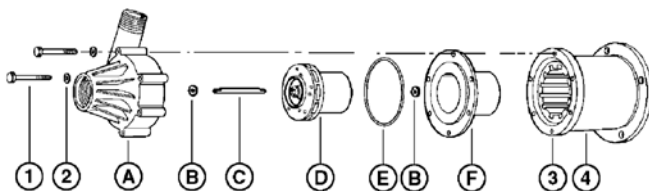


TE-5-MD-SC



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	6'	9'	15'				
584504	TE-5-MD-SC	1/2" MNPT	1" FNPT	UR/C-CSA	1/8	115	50/60	2.3/3.0	220/325	20 (75.7)	19.2 (72.7)	18.2 (68.9)	17 (64.4)	14.3 (54.1)	29.3' (8.93 m)	12.7	6' (1.8 m)	15.65 (7.1 Kg)
584598	TE-5-MD-SC	1/2" MNPT	1" FNPT	Pump Head Less Motor													1.83 (0.83 Kg)	



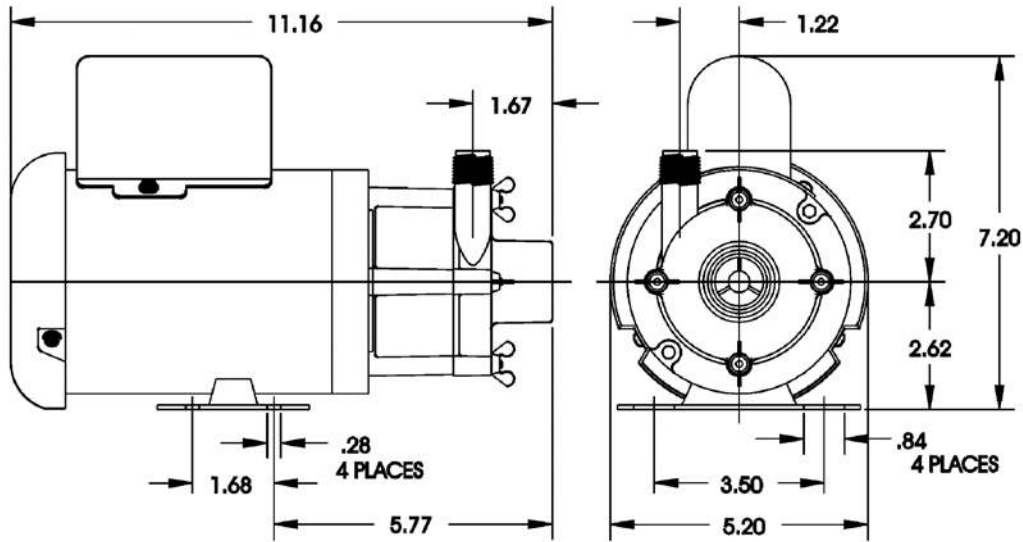
### REPLACEMENT PARTS

Item	Part No.	Description
A	183065	Volute
B	924007	O-Ring
C	921077	Thrust Washer
D	183139	Impeller
E	180057	Shaft
F	182005	Housing
1	920003	Wing nut
2	911403	Stud, collared
3	182602	Drive Magnet

NOTE: Parts A-F contact fluid

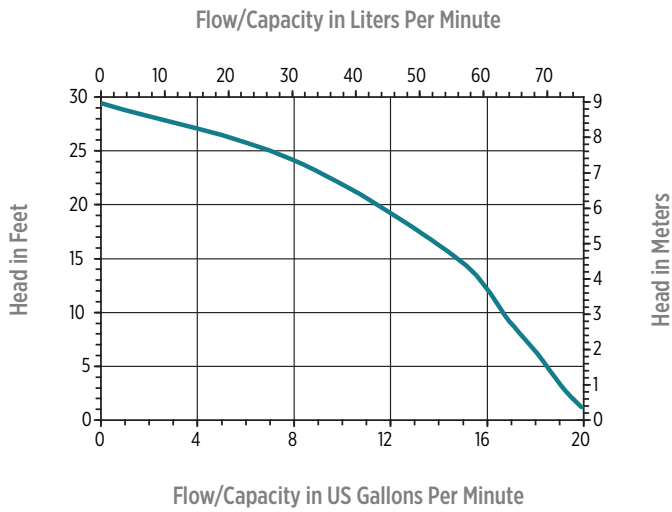
## TE-5-MD-SC SERIES - 1/10 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## TE-5.5-MD-SC SERIES - 1/3 HP

### APPLICATIONS

The Little Giant MD-SC series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute and impeller are glass-filled polypropylene, and magnet housing is glass-filled polyphenylene sulfide for excellent chemical resistance. Ceramic shaft and thrust washers are 99.5% pure alumina for excellent wear and reliable service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, totally enclosed, fan cooled, split phase motor
- Ball bearings
- Conduit box (must be field wired)
- Specific gravity to 1.1
- Fluid temperature to 150 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

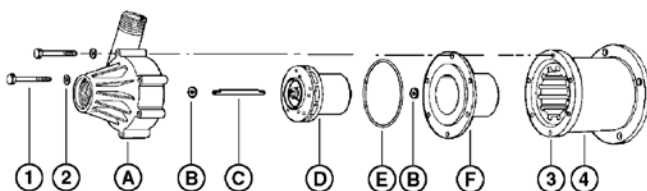


TE-5.5-MD-SC



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height				Shut-Off	PSI	Cord	Weight lbs (Kg)
										5'	10'	20'	30'				
585504	TE-5.5-MD-SC	3/4" MNPT	1" FNPT	UR/C-CSA	1/3	115	50/60	5.6/5.0	340/525	32 (121)	30 (114)	26 (98)	19 (72)	40.5' (12.3 m)	17.5	N/A	27 (12.2 Kg)
						230	50/60	2.8/2.5	340/525								
585598	TE-5.5-MD-SC	3/4" MNPT	1" FNPT	Pump Head Less Motor												7 (3.17 Kg)	



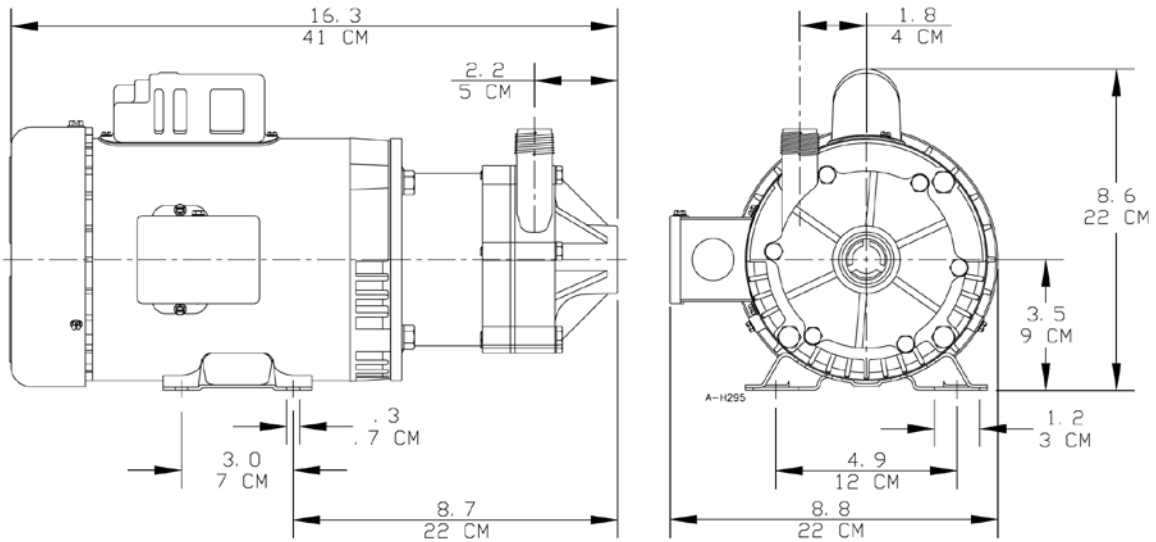
### REPLACEMENT PARTS

Item	Part No.	Description
A	185110	Volute, GF Polypropylene
B	187085	Thrust Washer, Ceramic
C	185100	Shaft, Ceramic
D	185128	Impeller, GF Polypro/Carbon
E	924016	O-Ring, GF-PPS
F	185181	Backplate, GF-PPS
1	903712	Bolt
2	921050	Washer
3	185172	Drive Magnet
4	185162	Magnet Housing

NOTE: Parts A-F contact fluid

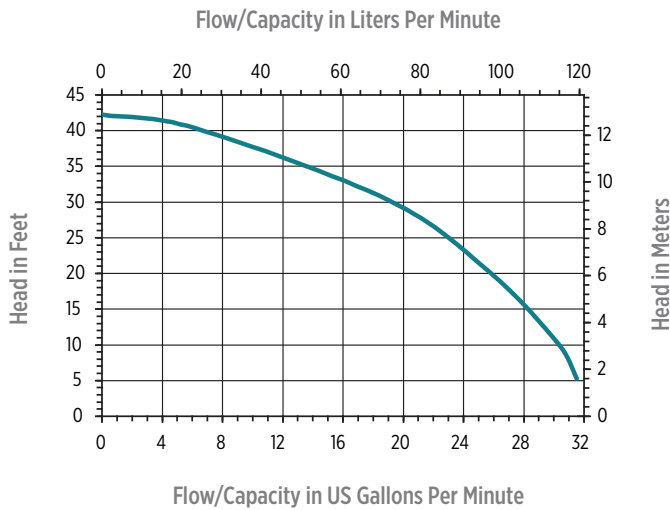
## TE-5.5-MD-SC SERIES - 1/3 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## TE-6-MD-SC SERIES - 1/2 HP

### APPLICATIONS

The Little Giant MD-SC series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute and impeller are glass-filled polypropylene for excellent chemical resistance. Ceramic shaft and thrust washers are 99.5% pure alumina for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, totally enclosed, fan cooled, split phase motor
- Ball bearings
- Conduit box (must be field wired)
- Specific gravity to 1.1
- Fluid temperature to 135 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

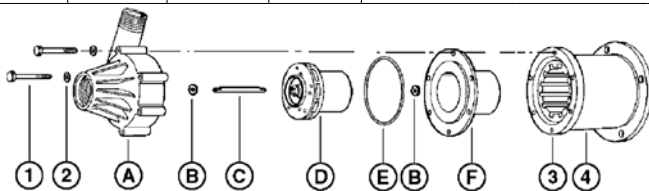


TE-6-MD-SC



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
										5'	10'	20'	30'	40'				
586504	TE-6-MD-SC	3/4" MNPT	1" FNPT	UR/C-CSA	1/2	115	50/60	11.6/9.4	640/835	38 (144)	36.7 (139)	31.7 (120)	28.3 (107)	21.7 (82)	51' (15.5 m)	22	N/A	29 (13.1 Kg)
586598	TE-6-MD-SC	3/4" MNPT	1" FNPT	Pump Head Less Motor												6.9 (3.1 Kg)		



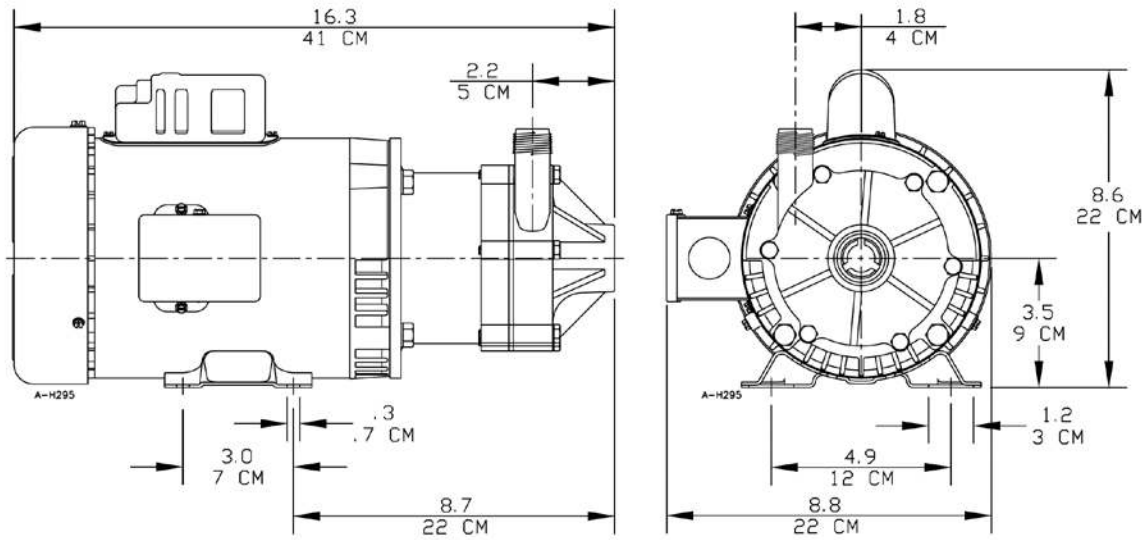
### REPLACEMENT PARTS

Item	Part No.	Description
A	185115	Volute, GF Polypropylene
B	187085	Thrust Washer, Ceramic
C	185100	Shaft, Ceramic
D	185148	Impeller/Bushing, GF Polypro/Carbon
E	924016	O-Ring, GF-PPS
F	185181	Backplate, GF-PPS
1	903712	Bolt
2	921050	Washer
3	185172	Drive Magnet
4	185162	Magnet Housing

NOTE: Parts A-F contact fluid

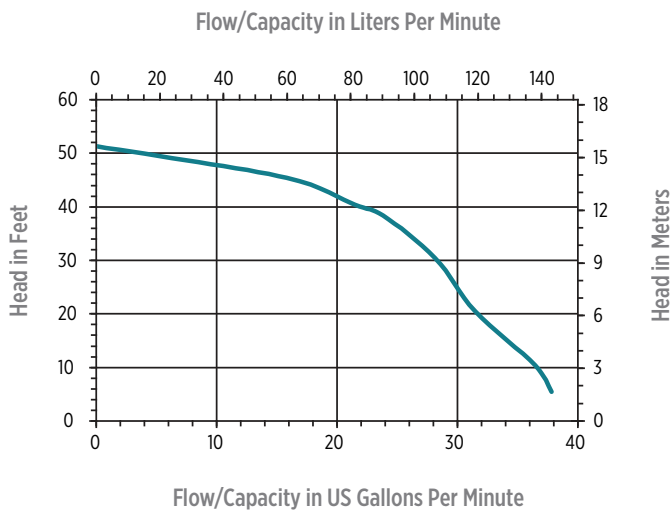
## TE-6-MD-SC SERIES - 1/2 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## TE-7-MD-SC SERIES - 3/4 HP

### APPLICATIONS

Circulation of moderately corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other moderately corrosive chemicals and solutions that are compatible with the pump's material of construction

### FEATURES

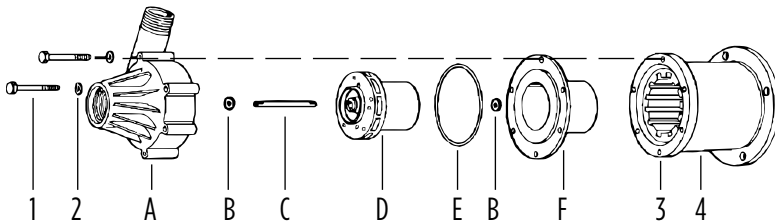
- 3/4 hp TEFC motor
- Glass-filled polypropylene volute
- Glass-filled polyphenylene sulfide backplate
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- cCSAus listed

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Suction	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Weight lbs (Kg)
									1'	10'	20'	40'	50'			
587400	TE-7-MD-SC	1" MNPT	1-1/2" FNPT	3/4	115/230	50/60	11.8	1230	3180 (12,037)	2800 (10,599)	2400 (9085)	1850 (7003)	1300 (4921)	58.9'	25.5	39.5 (17.9 Kg)



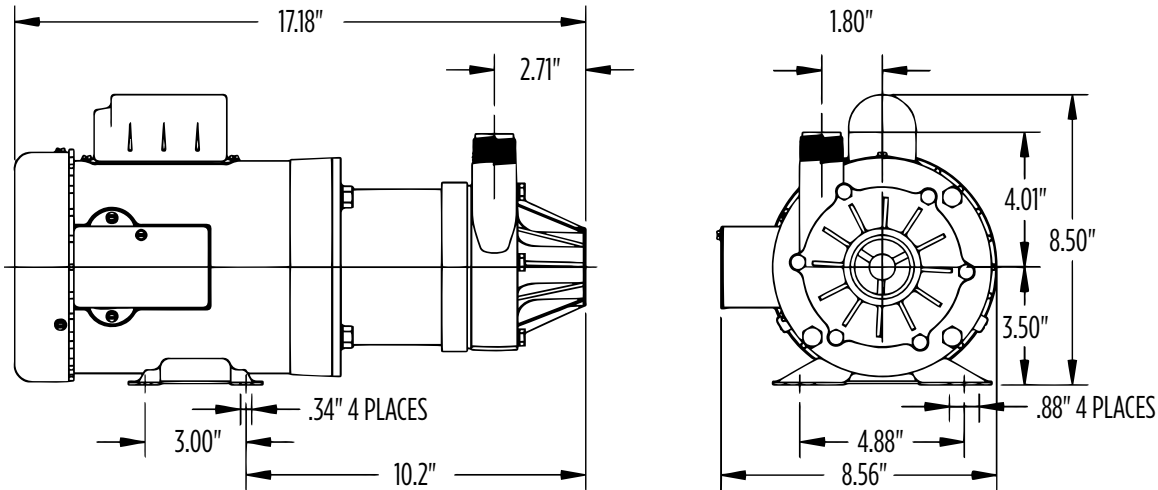
### REPLACEMENT PARTS

Item	Part No.	Description
A	187019	Volute
B	187085	Thrust washer
C	187056	Shaft
D	187172	Impeller/Bushing
E	924016	O-ring
F	187023	Backplate
1	903712	Bolt
2	921050	Washer
3	187121	Drive magnet
4	187073	Magnet housing

NOTE: Parts A-F contact fluid

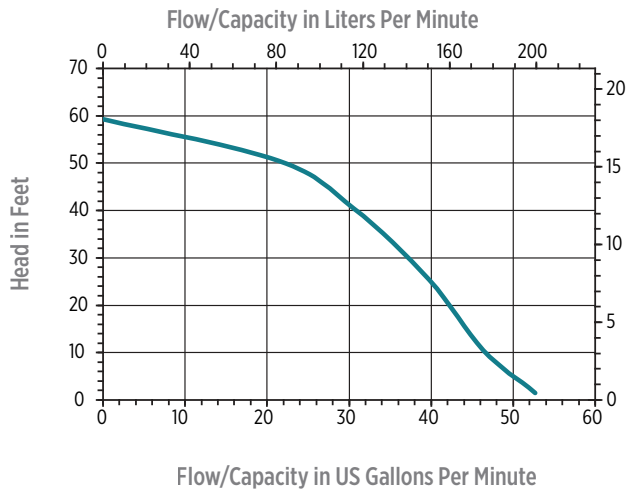
## TE-7-MD-SC - 3/4 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



### CONSTRUCTION

<b>Magnet Housing</b>	PPS
<b>Impeller Material</b>	Glass-filled polypropylene w/ carbon bushing
<b>Volute</b>	Polypropylene
<b>Motor Shaft</b>	Ceramic
<b>Thrust Washers</b>	Ceramic
<b>O-ring</b>	FKM



## 2-MD-HC SERIES - 1/30 HP

### APPLICATIONS

The Little Giant MD-HC series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute, magnet housing and impeller are glass-filled polyphenylene sulfide for excellent chemical resistance. Ceramic shaft and thrust washers are 99.5% pure alumina for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, open, fan-cooled motor
- Sleeve bearings
- 6-foot power cord with 3-prong plug (no plug on 230V)
- Specific gravity to 1.1
- Fluid temperature to 200 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

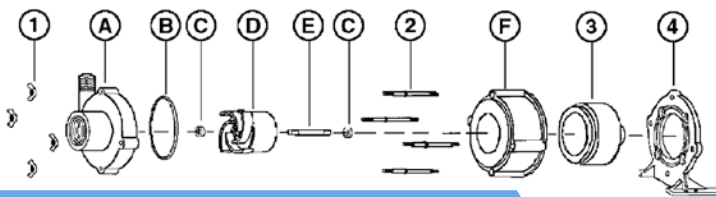


2-MD-SC



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height				Shut-Off	PSI	Cord	Weight lbs (Kg)
										5'	10'	20'	30'				
580603	2-MD-HC	1/2" MNPT	1/2" FNPT	UR/C-CSA	1/30	115	60	1.7	105	8.5 (32.2)	7.75 (29.3)	6.8 (25.7)	5.5 (20.8)	14.6' (4.45 m)	6.3	6' (1.8 m)	7 (3.17 Kg)
580613	2-MD-HC	1/2" MNPT	1/2" FNPT	UR/C-CSA	1/30	230	50/60	.65/.64	105/100	8.5 (32.2)	7.75 (29.3)	6.8 (25.7)	5.5 (20.8)	14.6' (4.45 m)	6.3	6' (1.8 m)	7 (3.17 Kg)
580698	2-MD-HC	1/2" MNPT	1/2" FNPT	Pump Head Less Motor												1.83	



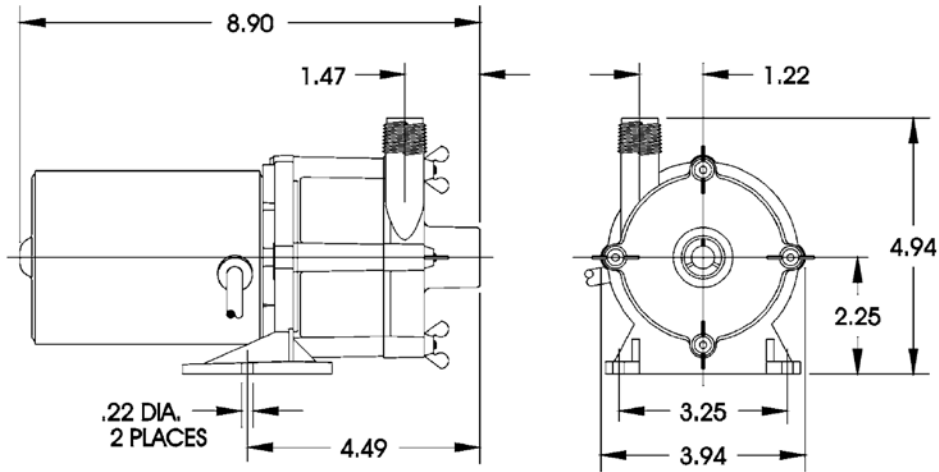
### REPLACEMENT PARTS

Item	Part No.	Description
A	180080	Volute
B	924008	O-Ring
C	921077	Thrust washer
D	180110	Impeller
E	180059	Shaft
F	180005	Housing
1	920003	Wing nut
2	911403	Stud, collared
3	180602	Drive Magnet
4	180042	Mounting bracket (115V)
4	180048	Mounting bracket (230V)

NOTE: Parts A-F contact fluid

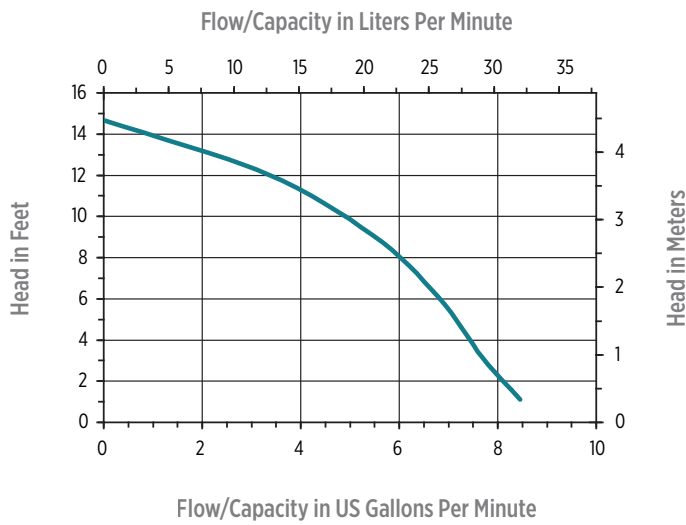
## 2-MD-HC SERIES - 1/30 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## 3-MD-MT-HC SERIES - 1/25 HP

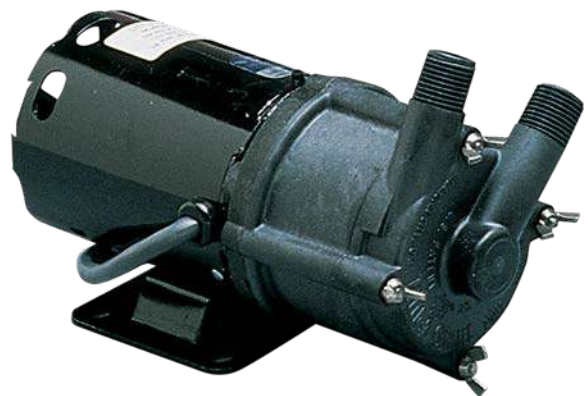
### APPLICATIONS

The Little Giant MD-HC series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute, magnet housing and impeller are glass-filled polyphenylene sulfide for excellent chemical resistance. Ceramic shaft and thrust washers are 99.5% pure alumina for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, open, fan-cooled motor
- Sleeve bearings
- 6-foot power cord with 3-prong plug
- Specific gravity to 1.1
- Fluid temperature to 200 °F
- Ambient air temperature to 77 °F
- Run dry capability up to 8 hours

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

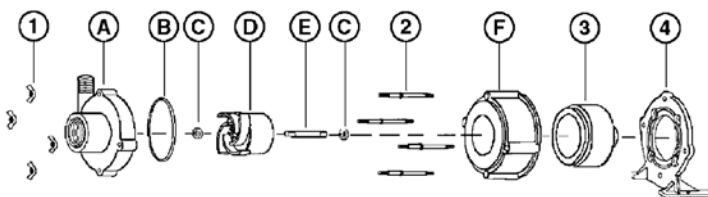


3-MD-MT-HC



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	6'	9'	15'				
578603	3-MD-MT-HC	1/2" MNPT	1/2" FNPT	UR/C-CSA	1/25	115	60	1.3	94	8.3 (31.4)	7.6 (28.8)	7.1 (26.9)	5.9 (22.3)	1.7 (6.4)	16.2' (4.9 m)	7.0	6' (1.8 m)	7.2 (3.26 Kg)
578697	3-MD-MT-HC	1/2" MNPT	1/2" FNPT	Pump Head Less Motor													2 (0.9 Kg)	



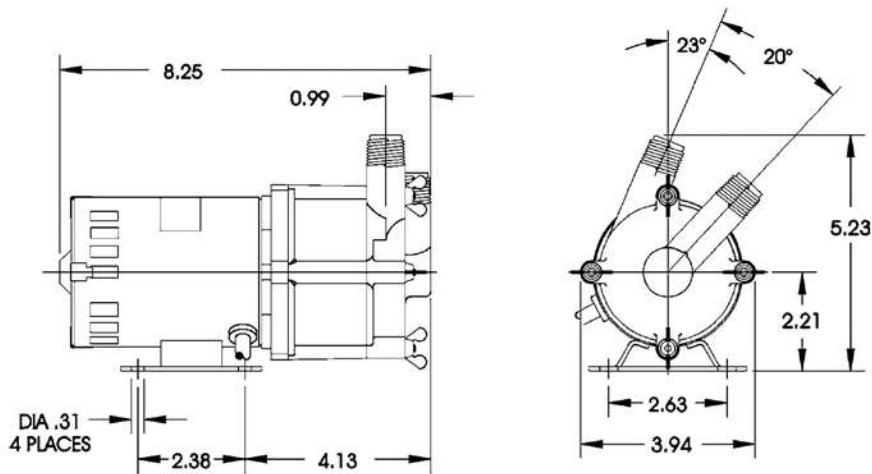
### REPLACEMENT PARTS

Item	Part No.	Description
A	181202	Volute
B	924008	O-Ring
C	921077	Thrust washer
D	181142	Impeller
E	180059	Shaft
F	180005	Housing
1	920003	Wing nut
2	911403	Stud, collared
3	180602	Drive Magnet
4	180042	Mounting bracket without base

NOTE: Parts A-F contact fluid

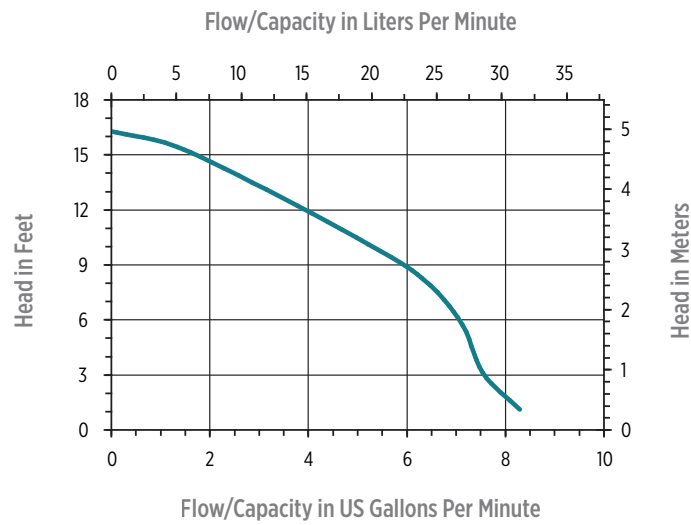
## 3-MD-MT-HC SERIES - 1/25 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## TE-3-MD-HC SERIES - 1/25 HP

### APPLICATIONS

Operating reliability and flexibility are the hallmarks of the Little Giant TE-3-MD-HC Series chemical transfer pumps. Typical industrial applications include corrosive solutions and solvents with high abrasive concentrations. This pump also features a 1/25 hp enclosed, fan-cooled (TEFC) motor for added safety and heavy-duty performance.

### FEATURES

- 1/25 hp TEFC motor
- Glass-filled polyphenylene sulfide magnet housing and volute
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- Run dry capability up to 8 hours



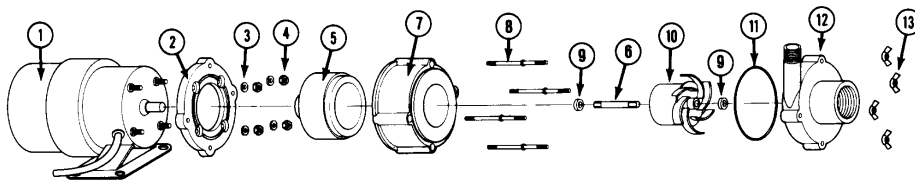
TE-3-MD-HC



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Weight lbs (Kg)
								1'	3'	6'	9'	15'			
581614	TE-3-MD-HC	1/2" MNPT	1/25	230	50/60	1.3	107	9.8 (37.1)	9.2 (34.8)	8.1 (30.7)	6.5 (24.6)	2.6 (9.8)	16.3 (4.97 m)	7.1	7.75 (3.51 Kg)
581604	TE-3-MD-HC	1/2" MNPT	1/25	115	60	1.3	107	9.8 (37.1)	9.2 (34.8)	8.1 (30.7)	6.5 (24.6)	2.6 (9.8)	16.3 (4.97 m)	7.1	7.75 (3.51 Kg)

NOTE: Parts A-F contact fluid

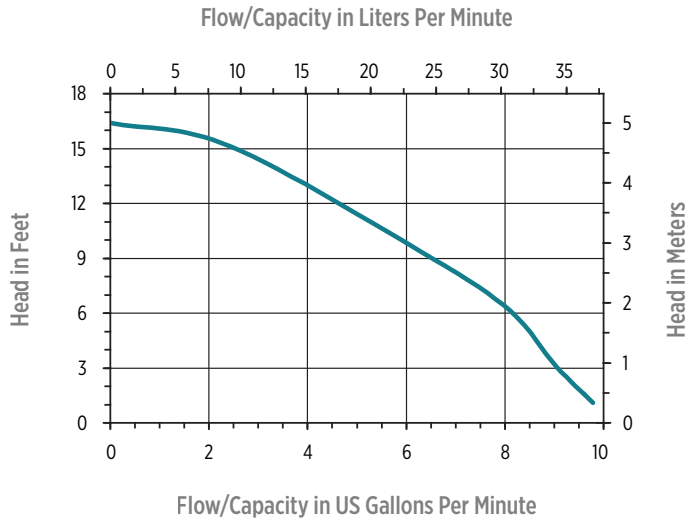


### REPLACEMENT PARTS

Item	Part No.	Description
1	977339	Motor, 115 volt
	977915	Motor, 230 volt
2	180042	Adaptor, w/base
3	921075	Washer, flat, #8
4	920006	Nut, hex, #8-32
5	182602	Drive magnet assembly
6	180057	Shaft, ceramic
7	182006	Housing, magnet
8	911403	Stud, collared
9	921077	Washer, thrust
10	181148	Impeller w/bushing assy.
	181151	Impeller w/mica bushing
11	924008	O-ring, Fluoroelastomer (FKM)
12	180080	Volute
13	920003	Nut, wing #8-32

## TE-3-MD-HC SERIES - 1/25 HP

### PERFORMANCE DATA



## 3-MD-HC SERIES - 1/12 HP

### APPLICATIONS

The Little Giant MD-HC series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute, magnet housing and impeller are glass-filled polyphenylene sulfide for excellent chemical resistance. Ceramic shaft and thrust washers are 99.5% pure alumina for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, open, fan-cooled motor
- Ball bearings
- 6-foot power cord with 3-prong plug (no plug on 230V)
- Specific gravity to 1.1
- Fluid temperature to 200 °F
- Ambient air temperature to 77 °F
- Run dry capability up to 8 hours

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

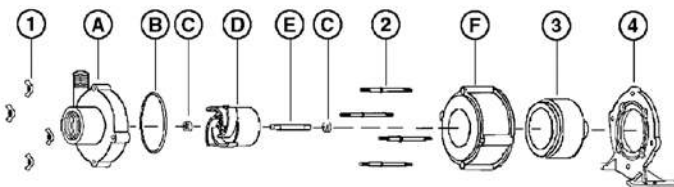


3-MD-HC



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	6'	9'	15'				
581603	3-MD-HC	1/2" MNPT	3/4" FNPT	UR/C-CSA	1/12	115	60	2.4	180	12.5 (47.3)	11.5 (43.5)	11.1 (42)	10 (37.9)	7.1 (26.9)	21.9' (6.67 m)	9.5	6' (1.8 m)	8.8 (4.0 Kg)
581613	3-MD-HC	1/2" MNPT	3/4" FNPT	UR/C-CSA	1/12	230	60	1.2	181	12.5 (47.3)	11.5 (43.5)	11.1 (42)	10 (37.9)	7.1 (26.9)	21.9' (6.67 m)	9.5	6' (1.8 m)	8.8 (4.0 Kg)
578697	3-MD-HC	1/2" MNPT	3/4" FNPT	Pump Head Less Motor													2.3 (1.04 Kg)	



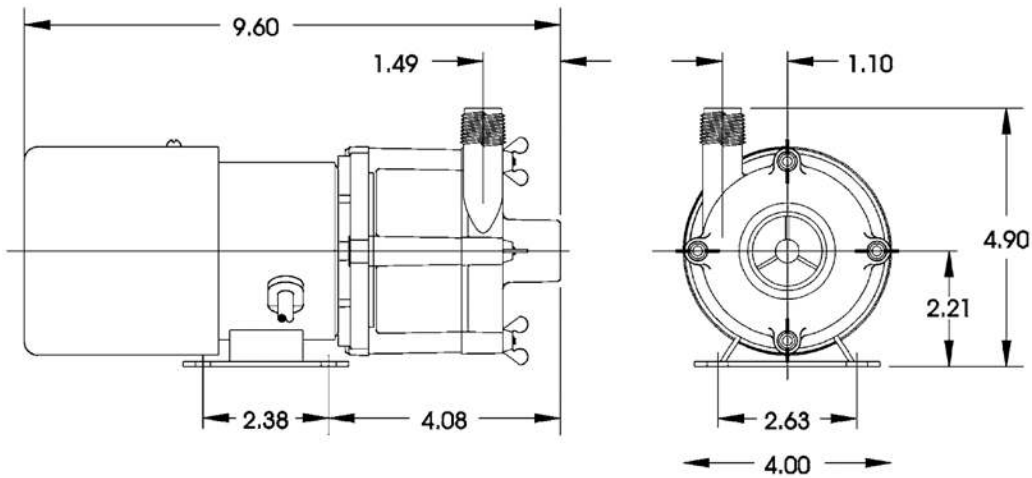
### REPLACEMENT PARTS

Item	Part No.	Description
A	181204	Volute
B	924008	O-Ring
C	921077	Thrust washer
D	181143	Impeller/Bushing
E	180057	Shaft
F	182006	Housing
1	920003	Wing nut
2	911403	Stud, collared
3	180602	Drive Magnet
4	180048	Mounting Bracket

NOTE: Parts A-F contact fluid

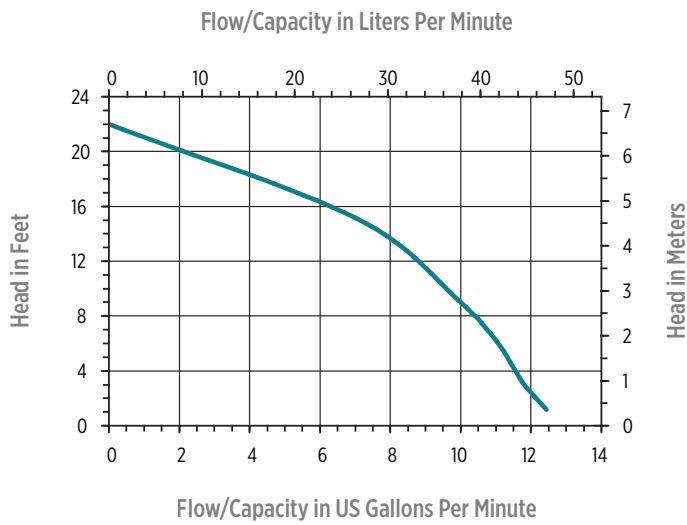
## 3-MD-HC SERIES - 1/12 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## 4-MD-HC SERIES - 1/25 HP

### APPLICATIONS

The Little Giant MD-HC series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute, magnet housing and impeller are glass-filled polyphenylene sulfide for excellent chemical resistance. Ceramic shaft and thrust washers are 99.5% pure alumina for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, open, fan cooled, split capacitor motor
- Sleeve bearings
- 6-foot power cord with 3-prong plug
- Specific gravity to 1.1
- Fluid temperature to 200 °F
- Ambient air temperature to 77 °F
- Run dry capability up to 8 hours

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

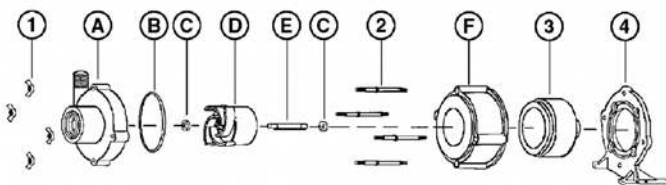


4-MD-HC



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
										1'	3'	6'	9'	15'				
578603	4-MD-HC	1/2" MNPT	1/2" FNPT	UR/C-CSA	1/25	115	60	1.3	94	8.3 (31.4)	7.6 (28.8)	7.1 (26.9)	5.9 (22.3)	1.7 (6.4)	16.2' (4.63 m)	7.0	6' (1.8 m)	7.2 (3.26 Kg)
578697	4-MD-HC	1/2" MNPT	1/2" FNPT	Pump Head Less Motor													2 (0.9 Kg)	



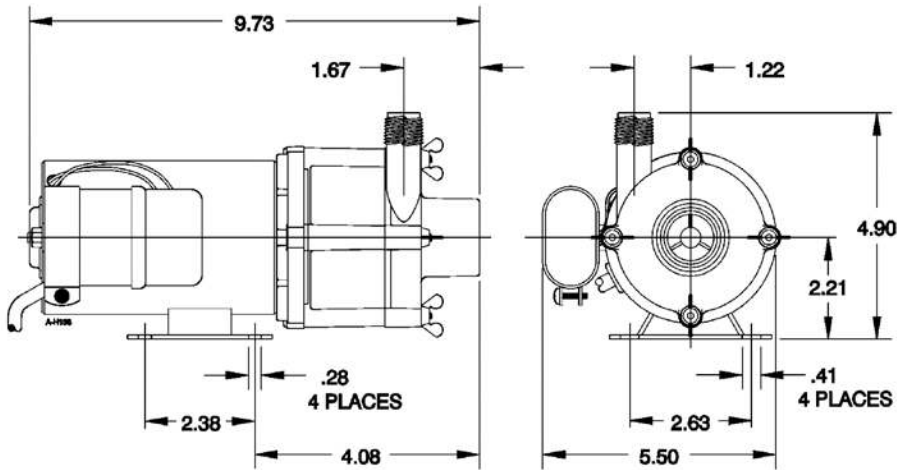
### REPLACEMENT PARTS

Item	Part No.	Description
A	182011	Volute
B	924008	O-Ring
C	921077	Thrust washer
D	182134	Impeller/Bushing
E	180057	Shaft
F	182006	Housing
1	920003	Wing nut
2	911403	Stud, collared
3	180602	Drive Magnet
4	180048	Mounting Bracket

NOTE: Parts A-F contact fluid

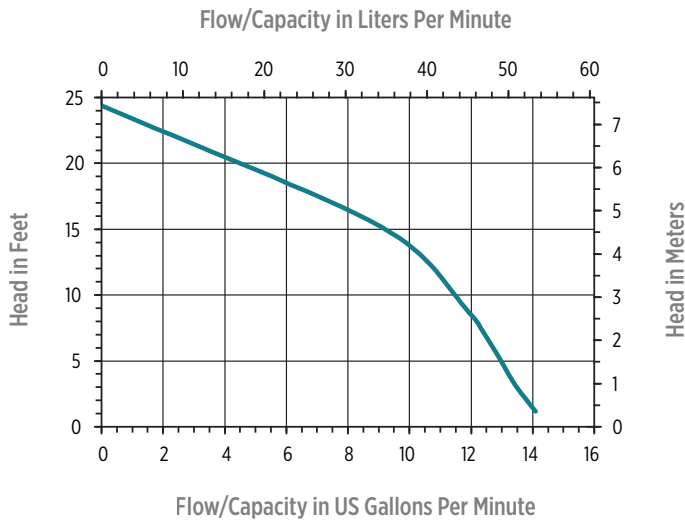
## 4-MD-HC SERIES - 1/25 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## TE-4-MD-HC SERIES - 1/10 HP

### APPLICATIONS

When it comes to choosing a chemical transfer pump, it's all about compatibility with the fluids you will be pumping. From highly corrosive acids solutions and solvents to sterile solutions and other abrasives, the TE-4-MD-HC is ideal for heavy use and is a steady performer in the effortless transfer of highly corrosive fluids.

### FEATURES

- 1/10 hp open TEFC PSC motor
- Glass-filled polyphenylene sulfide magnet housing and volute
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- Run dry capability up to 8 hours



TE-4-MD-HC



### SERIES SPECIFICATIONS

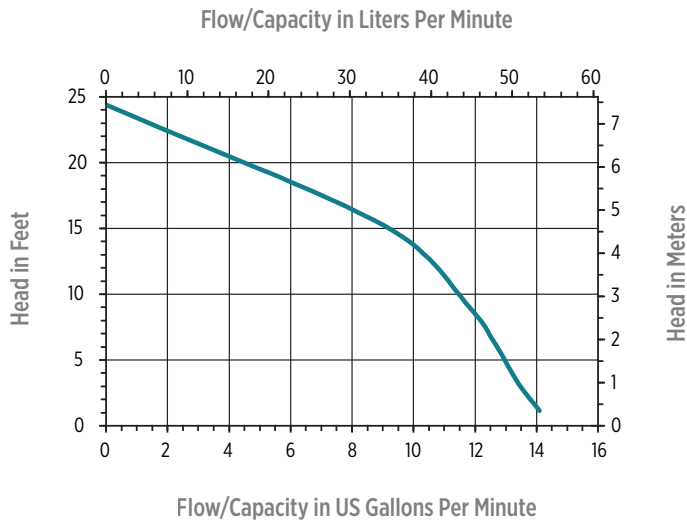
Item No.	Model	Discharge	HP	Hz	Amps	Watts	Volts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
								1'	3'	6'	9'	15'				
582604	TE-4-MD-HC	1/2" MNPT	1/10	60	1.7	178	115	14.2 (53.8)	13.5 (51.1)	12.8 (48.5)	11.8 (44.7)	9.2 (34.8)	24.3' (7.41 m)	10.5	6' (1.8 m)	10.3 (4.67 Kg)
582614	TE-4-MD-HC	1/2" MNPT	1/10	50/60	1.7	178	230	14.2 (53.8)	13.5 (51.1)	12.8 (48.5)	11.8 (44.7)	9.2 (34.8)	24.3' (7.41 m)	10.5	6' (1.8 m)	10.3 (4.67 Kg)

### REPLACEMENT PARTS

Item	Part No.	Description
1	977460	Motor, 115 volt
	977860	Motor, 230 volt
2	180048	Adaptor
3	921075	Washer, #8 flat
4	901424	Screw, mach
5	183602	Drive magnet assembly
6	180057	Shaft, impeller
7	182006	Housing, magnet
8	911403	Stud, collared
9	921077	Washer, thrust
10	182134	Impeller w/bushing assembly
	182156	Impeller assy. W/mica bushing
11	924008	O-ring (Fluoroelastomer (FKM))
12	920003	Nut, wing #8-32
13	182011	Volute
14	900357101	Ptfe tape (not shown)

## TE-4-MD-HC SERIES - 1/10 HP

### PERFORMANCE DATA



## 5-MD-HC SERIES - 1/8 HP

### APPLICATIONS

The Little Giant MD-HC series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute, magnet housing and impeller are glass-filled polyphenylene sulfide for excellent chemical resistance. Ceramic shaft and thrust washers are 99.5% pure alumina for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Non-submersible for in-line use only
- Thermally protected, open, fan cooled, permanent split capacitor motor
- Sleeve bearings
- 6-foot power cord with 3-prong plug (no plug on 230 V)
- Specific gravity to 1.1
- Fluid temperature to 200 °F
- Ambient air temperature to 77 °F
- Run dry capability up to 8 hours

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.



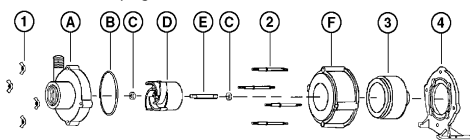
5-MD-HC



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height						Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	3'	6'	9'	15'	21'				
583603	5-MD-HC	1/2" MNPT	1" FNPT	1/8	115	50/60	2.0	240	17.5 (66.2)	16.5 (62.5)	15.3 (57.9)	14 (53)	10.9 (41.3)	7.1 (26.9)	27.5' (8.4 m)	11.9	6' (1.8 m)	9.5 (4.3 Kg)
583613*	5-MD-HC	1/2" MNPT	1" FNPT	1/8	230	50/60	0.9/0.9	194/180	17.5 (66.2)	16.5 (62.5)	15.3 (57.9)	14 (53)	10.9 (41.3)	7.1 (26.9)	27.5' (8.4 m)	11.9	6' (1.8 m)	9.5 (4.3 Kg)
583698	5-MD-HC	1/2" MNPT	1" FNPT	Pump Head Less Motor														3 (1.36 Kg)

\* No plug



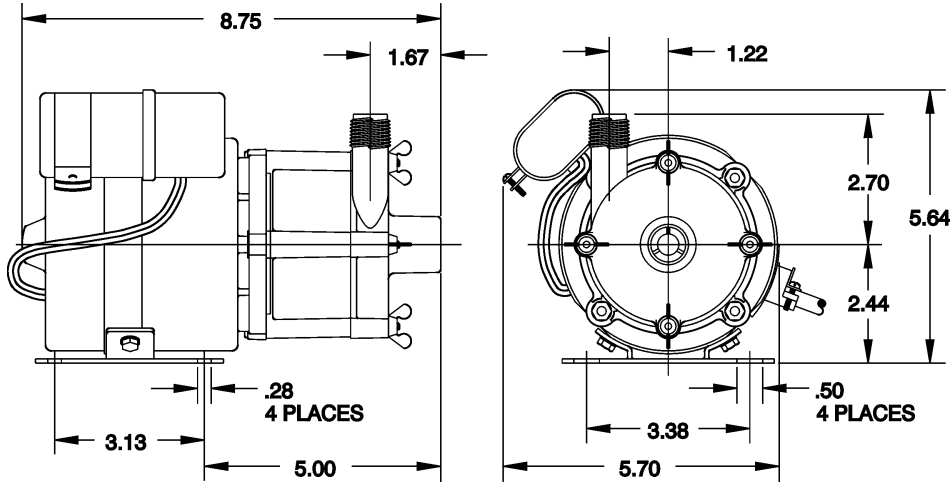
### REPLACEMENT PARTS

Item	Part Number	Description
A	183066	Volute
B	924008	O-ring
C	921077	Thrust washer
D	183141	Impeller/Bearing
E	180057	Shaft
F	182006	Housing
1	920003	Wing nut
2	911403	Stud, collared
3	183602	Drive magnet
4	183037	Mouning bracket

NOTE: Parts A-F contact fluid

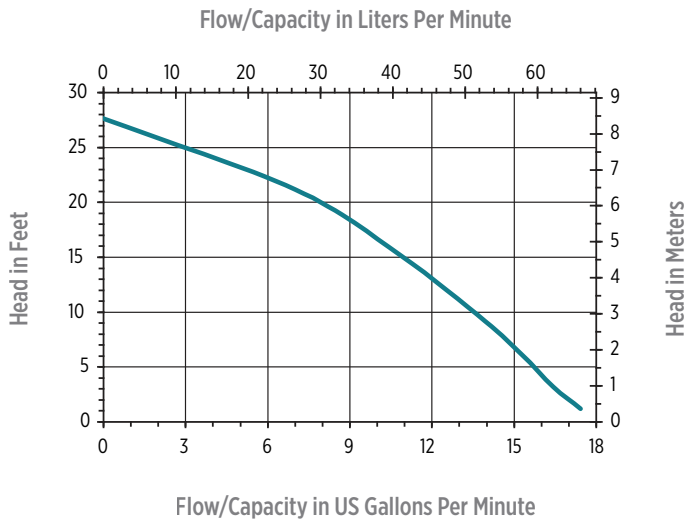
## 5-MD-HC SERIES - 1/8 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## TE-5-MD-HC SERIES - 1/8 HP

### APPLICATIONS

The Little Giant MD-HC series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute, magnet housing and impeller are glass-filled polyphenylene sulfide for excellent chemical resistance. Ceramic shaft and thrust washers are 99.5% pure alumina for excellent wear and trouble-free service. Pumping heads are easily rotated, cleaned or serviced with no special tools required. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, totally enclosed, fan cooled, permanent split capacitor motor
- Ball bearings
- 6-foot power cord with 3-prong plug (not installed)
- Specific gravity to 1.1
- Fluid temperature to 200 °F
- Ambient air temperature to 77 °F
- Run dry capability up to 8 hours

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

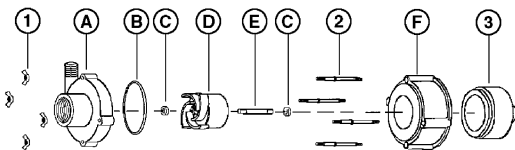


TE-5-MD-HC



### SERIES SPECIFICATIONS

Item No.	Model	Discharge Size	Intake Size	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	3'	6'	9'	15'				
584604	TE-5-MD-HC	1/2" MNPT	1" FNPT	1/8	115	50/60	1.8/3	220/325	20 (75.7)	19.2 (72.7)	18.2 (68.9)	17 (64.4)	14.8 (56.0)	29.3' (8.93 m)	12.7	6' (1.8 m)	16 (7.26 Kg)
		1/2" MNPT	1" FNPT		230	50/60	1.4/1.4	220/325	20 (75.7)	19.2 (72.7)	18.2 (68.9)	17 (64.4)	14.8 (56.0)	29.3' (8.93 m)	12.7		
584698	TE-5-MD-HC	Pump Head Less Motor													7 (3.18 Kg)		



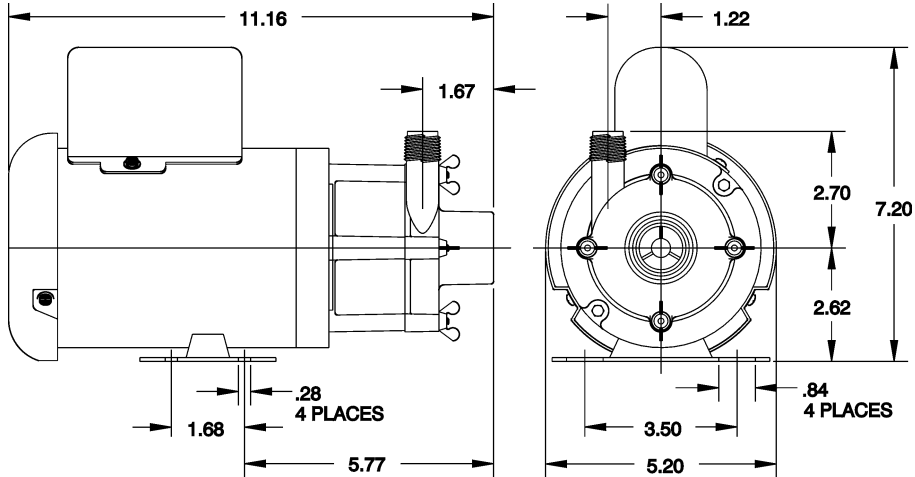
### REPLACEMENT PARTS

Item	Part No.	Description
A	183066	Volute
B	924008	O-ring
C	921077	Thrust washer
D	183141	Impeller/Bushing
E	180057	Shaft
F	182006	Housing
1	920003	Wing nut
2	911403	Stud, collared
3	183602	Drive magnet

NOTE: Parts A-F contact fluid

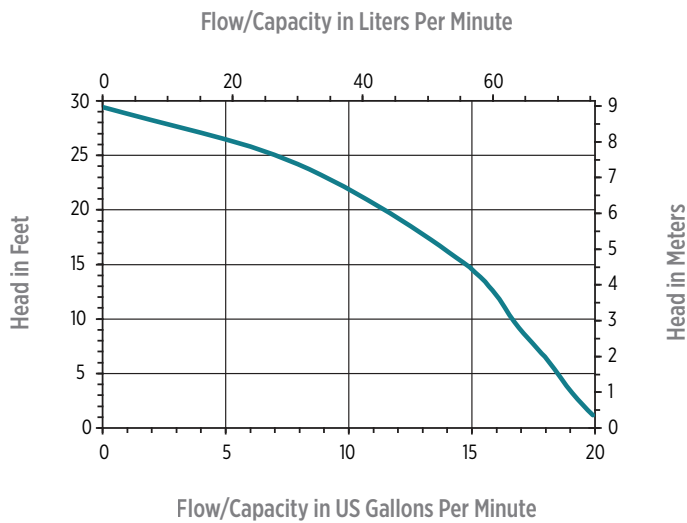
## TE-5-MD-HC SERIES - 1/8 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## TE-5.5-MD-HC SERIES - 1/3 HP

### APPLICATIONS

The Little Giant MD-HC series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute, magnet housing and impeller are glass-filled polyphenylene sulfide for excellent chemical resistance. Ceramic shaft and thrust washers are 99.5% pure alumina for excellent wear and reliable service. Pumping heads are easily rotated, cleaned or serviced. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, totally enclosed, fan cooled, split phase motor
- Ball bearings
- Conduit box (Must be field wired – cord not included)
- Specific gravity to 1.1
- Fluid temperature to 180 °F
- Ambient air temperature to 77 °F
- Run dry capability up to 8 hours

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

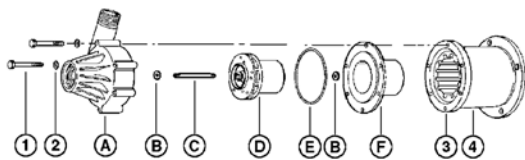


TE-5.5-MD-HC



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute)					Shut-Off	PSI	Cord	Weight lbs (Kg)
										@ Height								
											5'	10'	20'	30'	40'			
585604	TE-5.5-MD-HC	3/4" MNPT	1" FNPT	UR/C-CSA	1/3	115	50/60	5.6/5.0	340/525	32 (121.1)	30 (113.6)	26 (98.4)	19 (71.9)	6 (22.7)	40.5' (12.3 m)	17.5	N/A	28 (12.7 Kg)
						230	50/60	2.8/2.5	340/525	32 (121.1)	30 (113.6)	26 (98.4)	19 (71.9)	6 (22.7)	40.5' (12.3 m)	17.5	N/A	28 (12.7 Kg)
585698	TE-5.5-MD-HC	3/4" MNPT	1" FNPT	Pump Head Less Motor											7 (3.18 Kg)			



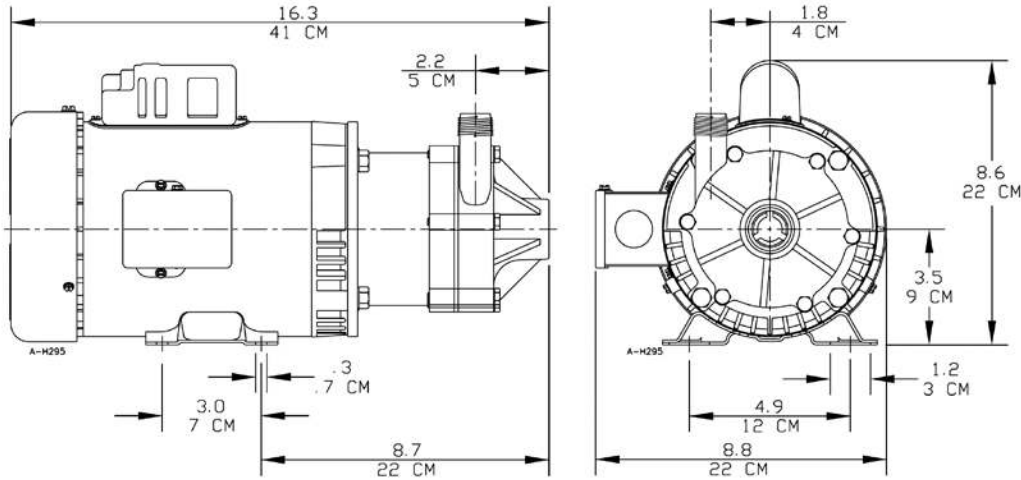
### REPLACEMENT PARTS

Item	Part No.	Description
A	185112	Volute
B	187085	Thrust Washer
C	185100	Shaft
D	185138	Impeller/Bushing
E	924016	O-ring
F	185181	Backplate
1	903712	Bolt
2	921050	Washer
3	185172	Drive magnet
4	185162	Magnet Housing

NOTE: Parts A-F contact fluid

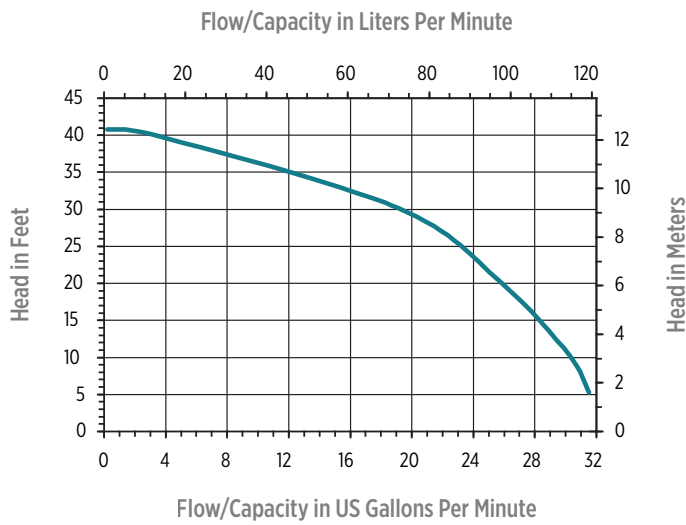
## TE-5.5-MD-HC SERIES - 1/3 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## TE-6-MD-HC SERIES - 1/2 HP

### APPLICATIONS

The Little Giant MD-HC series features leakproof, seal-less magnetic drives and are designed for in-line, non-submersible use. Volute, magnet housing and impeller are glass-filled polyphenylene sulfide for excellent chemical resistance. Ceramic shaft and thrust washers are 99.5% pure alumina for excellent wear and reliable service. Pumping heads are easily rotated, cleaned or serviced. Spindle shaft is supported at both ends to prevent impeller damage during start-up and stop of pump.

### FEATURES

- Thermally protected, totally enclosed, fan cooled, split phase motor
- Ball bearings
- Conduit box (cord not included – must be field wired)
- Specific gravity to 1.1
- Fluid temperature to 180 °F
- Ambient air temperature to 77 °F
- Run dry capability up to 8 hours

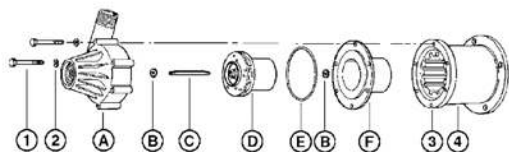
NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.



TE-6-MD-HC

### SERIES SPECIFICATIONS

Item No.	Model No.	Intake Size	Discharge Size	Listing(s)	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
										5'	10'	20'	30'	40'				
586604	TE-6-MD-HC	1" FNPT	3/4" MNPT	UR/C-CSA	1/2	115	50/60	11.6/9.4	340/525	38 (143.8)	36.7 (138.9)	31.7 (120)	28.3 (107.1)	21.7 (82.1 Kg)	51' (15.5 m)	15.54	N/A	28 (12.7 Kg)
						230	50/60	5.8/4.7	340/525	38 (143.8)	36.7 (138.9)	31.7 (120)	28.3 (107.1)	21.7 (82.1 Kg)	51' (15.5 m)	15.54		
586698	TE-6-MD-HC	1" FNPT	3/4" MNPT							Pump Head Less Motor							7 (3.18 Kg)	



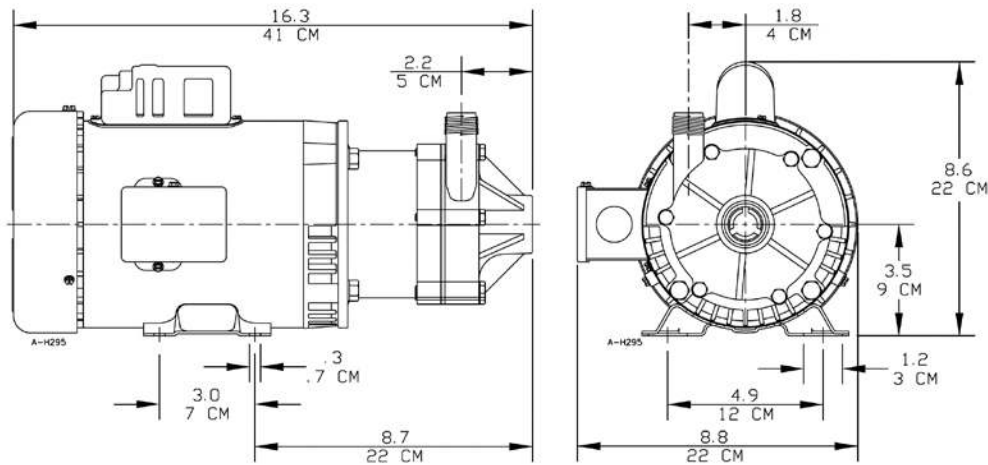
### REPLACEMENT PARTS

Item	Part No.	Description
A	185114	Volute
B	187085	Thrust Washer
C	185100	Shaft
D	185158	Impeller/Bushing
E	924016	O-ring
F	185181	Backplate
1	903712	Bolt
2	921050	Washer
3	185172	Drive magnet
4	185162	Magnet Housing

NOTE: Parts A-F contact fluid

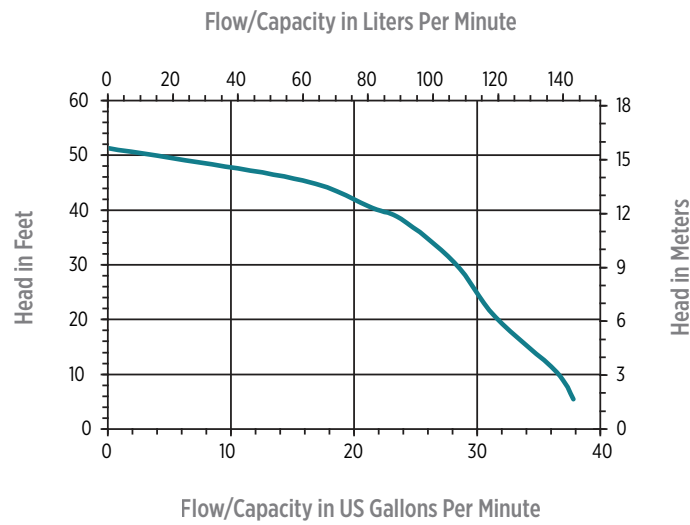
## TE-6-MD-HC SERIES - 1/2 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



## TE-7-MD-HC - 3/4 HP

### APPLICATIONS

Circulation of highly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other highly corrosive chemicals and solutions that are compatible with the pump's material of construction

### FEATURES

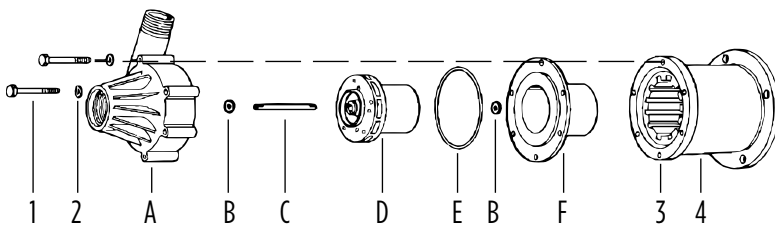
- Non-submersible for in-line use only
- Thermally protected, totally enclosed, fan cooled, capacitor start motor
- Ball bearings
- Conduit box (must be field wired—cord not included)
- Specific gravity to 1.1
- Fluid temperature to 200 °F
- Ambient air temperature to 77 °F
- Run dry capability up to 8 hours

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Suction	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	10'	20'	40'	50'				
587010	TE-7-MD-HC	1" MNPT	1-1/2" FNPT	3/4	115	50/60	10.4/11.8	1080/1230	53	46.7	40	30.8	21.6	58.9' (17.95 m)	25.5	N/A	40 (18.1 Kg)
					230	50/60	5.2/5.9	1080/1230	(200.6)	(176.8)	(151.4)	(116.6)	(81.8)				
587040	TE-7-MD-HC 3-Phase	1" MNPT	1-1/2" FNPT	3/4	230	50/60	2.4/2.9	1080/1230	53	46.7	40	30.8	21.6	58.9' (17.95 m)	25.5	N/A	40 (18.1 Kg)
					460	50/60	1.2/1.45	1080/1230	(200.6)	(176.8)	(151.4)	(116.6)	(81.8)				
587103	TE-7-MD-HC	1" MNPT	1-1/2" FNPT		Pump Head Less Motor											8 (3.6 Kg)	



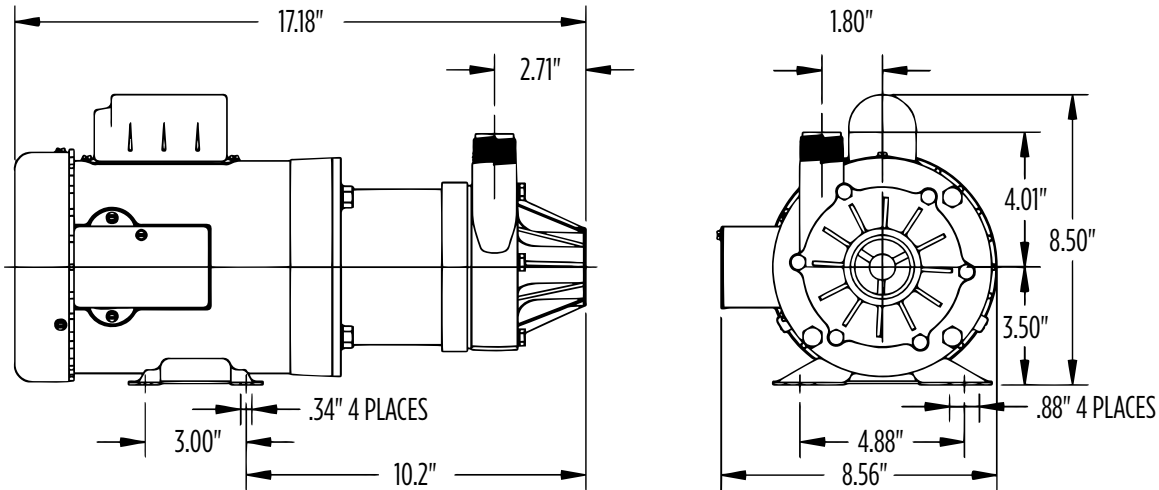
### REPLACEMENT PARTS

Item	Part No.	Description
A	187005	Volute
B	187085	Thrust washer
C	187056	Shaft
D	187172	Impeller/Bushing
E	924016	O-ring
F	187023	Backplate
1	903712	Bolt
2	921050	Washer
3	187121	Drive magnet
4	187073	Magnet housing

NOTE: Parts A-F contact fluid

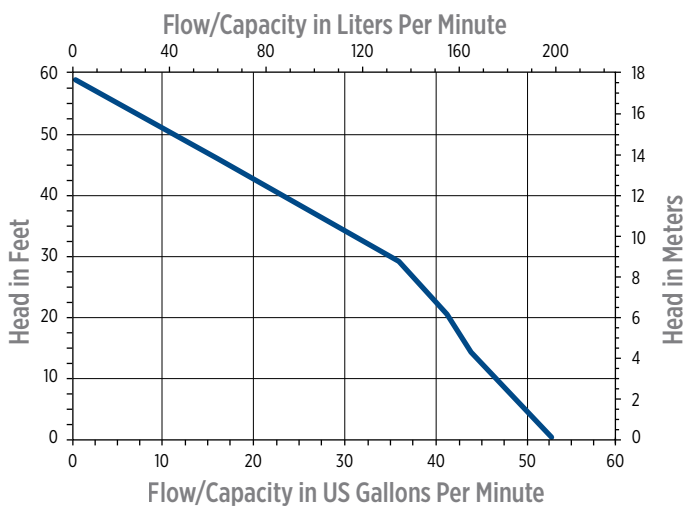
## TE-7-MD-HC - 3/4 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA



### CONSTRUCTION

<b>Motor Housing</b>	PPS
<b>Impeller Material</b>	PPS w/carbon bushing
<b>Volute</b>	PPS
<b>Motor Shaft</b>	Ceramic
<b>Thrust Washers</b>	Ceramic
<b>O-ring</b>	FKM



## TE-7-MD-CK - 3/4 HP

### APPLICATIONS

Circulation of highly corrosive acids, alkalis, solvents, brine, plating solutions, sterile solutions, and other highly corrosive chemicals and solutions that are compatible with the pump's material of construction

### FEATURES

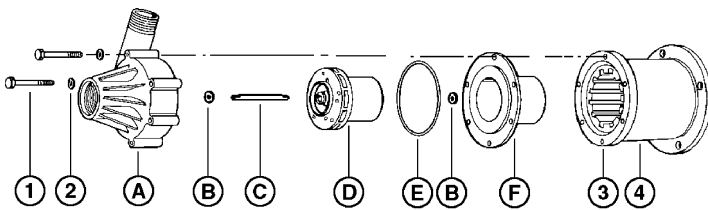
- Non-submersible for in-line use only
- Thermally protected, totally enclosed, fan cooled, capacitor start motor
- Ball bearings
- Conduit box (must be field wired – cord not included)
- Specific gravity to 1.1
- Fluid temperature to 200 °F
- Ambient air temperature to 77 °F

NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.



### SERIES SPECIFICATIONS

Item No.	Model	Discharge	Intake	HP	Volts	Hz	Amps	Watts	Gallons per minute (Liter per minute) @ Height					Shut-Off	PSI	Cord	Weight lbs (Kg)
									1'	10'	20'	40'	50'				
587600	TE-7-MD-CK	1" MNPT	1-1/2" FNPT	3/4	115	50/60	10.4/11.8	1080/1230	53	46.7	40	30.8	21.6	58.9'	25.5	N/A	40 (18.1 Kg)
					230	50/60	5.2/5.9	1080/1230	(200.6)	(176.8)	(151.4)	(116.6)	(81.8)				
587603 3 Phase	TE-7-MD-CK	1" MNPT	1-1/2" FNPT	3/4	230	50/60	2.4/2.9	1080/1230	53	46.7	40	30.8	21.6	58.9'	25.5	N/A	33 (15 Kg)
					460	50/60	1.2/1.45	1080/1230	(200.6)	(176.8)	(151.4)	(116.6)	(81.8)				
587106	7-MD-CK	1" MNPT	1-1/2" FNPT						Pump Head Less Motor							8 (3.6 Kg)	



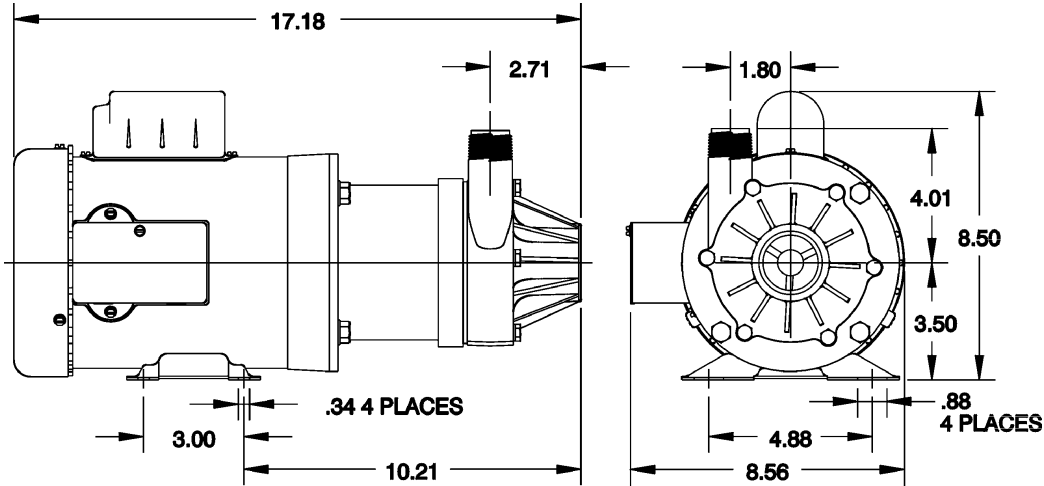
### REPLACEMENT PARTS

Item	Part No.	Description
A	187015	Volute
B	187085	Thrust washer, ceramic
C	187056	Shaft, ceramic
D	187174	Impeller/Bushing
E	924016	O-ring, GF-PPS
F	187024	Backplate
1	903712	Bolt
2	921050	Washer
3	187121	Drive magnet
4	187073	Magnet housing

NOTE: Parts A-F contact fluid

## TE-7-MD-CK - 3/4 HP

### ENGINEERING DATA



NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

### PERFORMANCE DATA

