Little GIANT®

2-MD-HC



Features

- Thermally protected, open, fan-cooled motor
- Sleeve bearings
- 6' 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

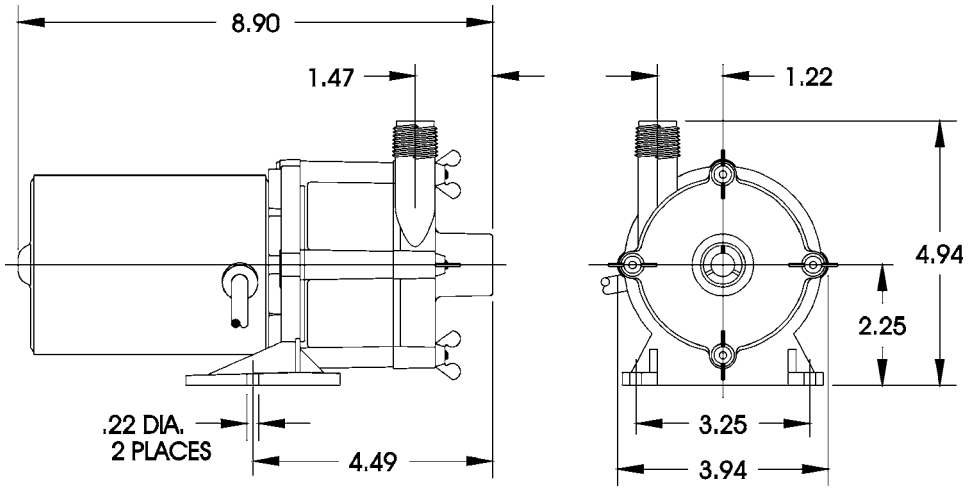
NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

Construction

- Volute — Glass-filled Ryton®
- Housing — Glass-filled Ryton®
- Impeller — Glass-filled Ryton® w/carbon bushing
- Shaft — Ceramic
- Thrust Washers — Ceramic
- O-Ring — Viton®

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 Ryton® 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.

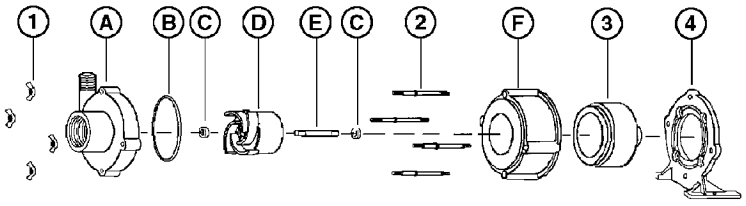
2-MD-HC

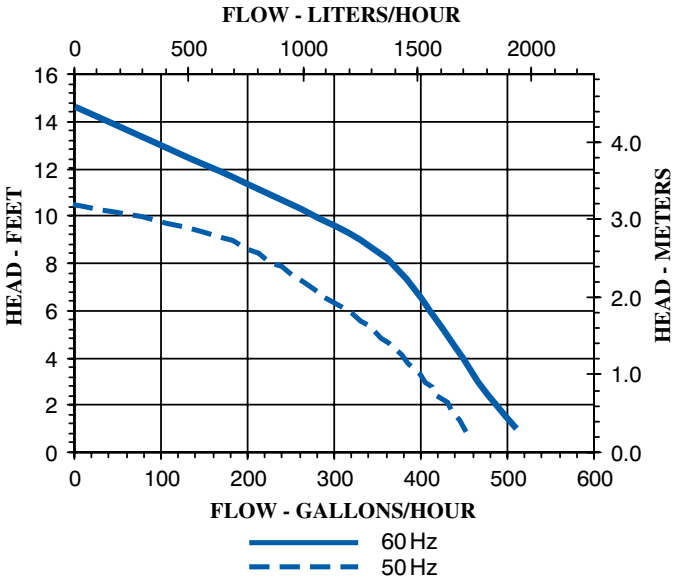


NOTE: *Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.*

Specifications

Model No.	Item No.	Intake Size	Discharge Size	Listing(s)	HP	Volts	Hertz	Amps	Watts	Performance (GPH @ Head) 1'	3'	6'	9'	Shut Off Feet	Shut Off PSI	Power Cord (ft.)	Weight (lbs.)
2-MD-HC	580603	1/2" FNPT	1/2" MNPT	UR/C-CSA	1/30	115	60	1.7	105	510	465	410	330	14.6	6.3	6	7.00
2-MD-HC	580613	1/2" FNPT	1/2" MNPT	UR/C-CSA	1/30	230	50/60	.65/.64	105/100	510	465	410	330	14.6	6.3	6	7.00
2-MD-HC	580698	1/2" FNPT	1/2" MNPT	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

Little GIANT®
PO Box 12010 • Oklahoma City, OK 73157
Phone: 800.701.7894 • Fax: 800.701.8046
E-mail: customerservice@littlegiant.com

Little GIANT® Pump Company

Magnetic Drive

TE-3-MD-HC



Features

- Thermally Protected, Totally Enclosed, Fan-Cooled Motor
- Ball Bearings
- 6' Power Cord with 3-Prong Plug (No plug on 230V)
- Specific Gravity to 1.1
- Fluid Temperature to 200 Degrees F.
- Ambient Air Temperature to 77 Degrees F.
- NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

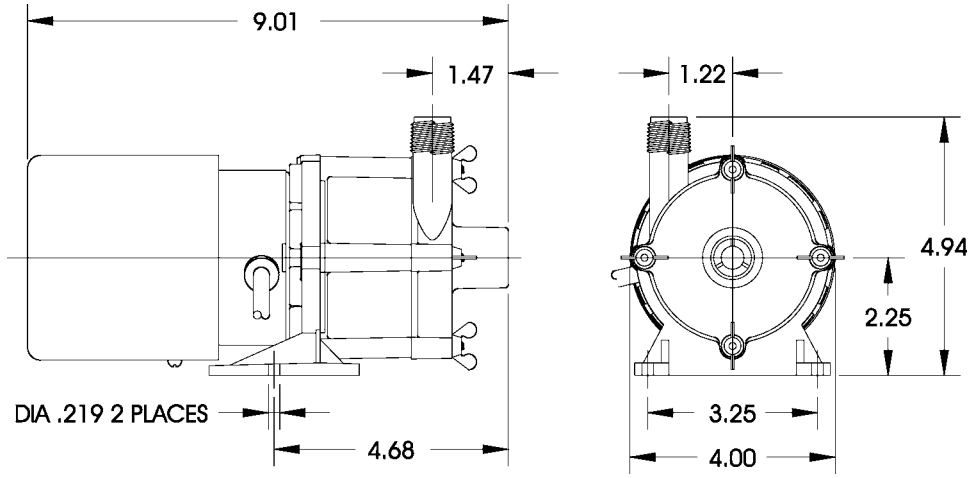
Construction

- Volute — Glass-filled Ryton®
- Housing — Glass-filled Ryton®
- Impeller — Glass-filled Ryton® w/Carbon Bushing (581605 has Mica-filled Teflon Bushing)
- Shaft — Ceramic
- Thrust Washers — Ceramic
- O-Ring — Viton®

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 Ryton® 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.

Little Giant Pump Co.

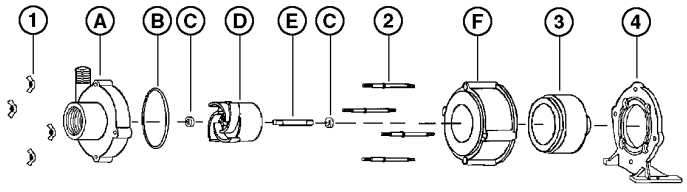
TE-3-MD-HC

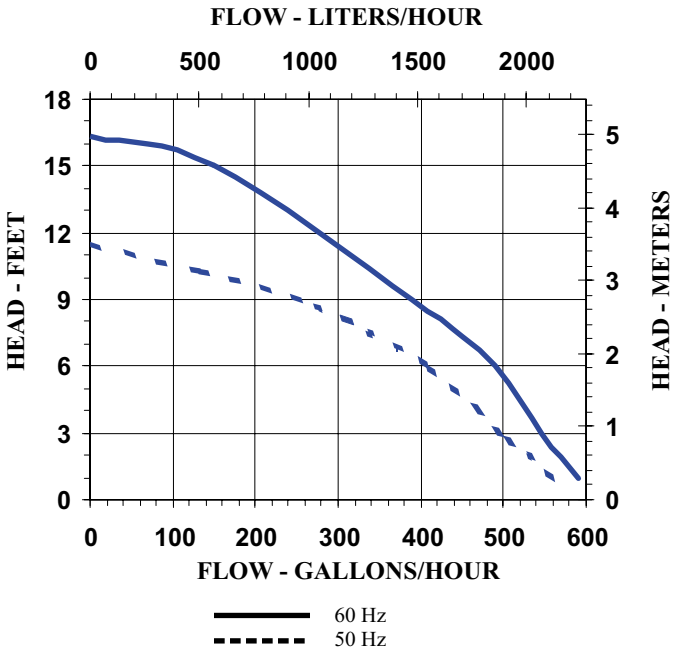


NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

Specifications

Model No.	Item No.	Intake	Discharge	Listing(s)	HP	Volts	Hertz	Amps	Watts	Performance (GPH @ Head) 1'	3'	6'	9'	15'	Shut Off Feet	PSI	Pwr. Cord (ft)	Weight (Lbs.)
TE-3-MD-HC	581604	1/2" FNPT	1/2" MNPT	UR/C-CSA	1/25	115	60	1.3	94	590	545	490	390	150	16.3	7.1	6	8.80
TE-3-MD-HC	581605	1/2" FNPT	1/2" MNPT	UR/C-CSA	1/25	115	60	1.3	94	590	545	490	390	150	16.3	7.1	6	8.80
TE-3-MD-HC	581614	1/2" FNPT	1/2" MNPT	UR/C-CSA	1/20	230	50/60	1.1/.8	135/115	590	545	490	390	150	16.3	7.1	6	8.80
TE-3-MD-HC	581698	1/2" FNPT	1/2" MNPT	PUMP HEAD LESS MOTOR														2.33





Replacement Parts

ITEM	PART NO.	DESCRIPTION
A	180080	Volute
B	924008	O-Ring
C	921077	Thrust Washer
D	181148	Impeller
D	181151	Impeller (for 581605)
E	180057	Shaft
F	182006	Housing
1	920003	Wing nut
2	911403	Stud, Collared
3	182602	Drive Magnet
4	180042	Mtg. Bracket

Note: Parts A-F Contact Fluid.

Little Giant Pump Co.
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www.LittleGiantPump.com

Form 995779 — 02/01

Little GIANT®

4-MD-HC



Features

- Thermally protected, open, fan cooled, split capacitor motor
- Sleeve bearings
- 6' 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

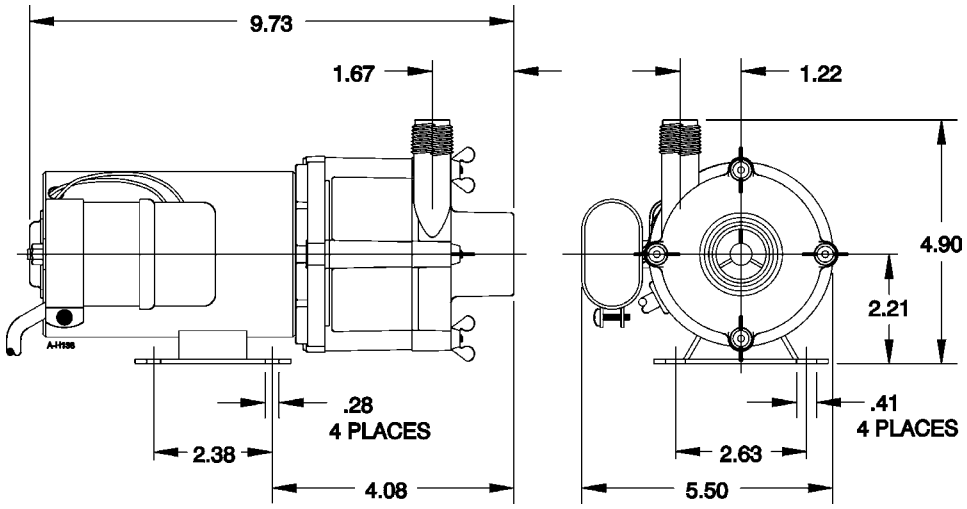
NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

Construction

- Volute — Glass-filled Ryton®
- Housing — Glass-filled Ryton®
- Impeller — Glass-filled Ryton® w/carbon bushing
- Shaft — Ceramic
- Thrust Washers — Ceramic
- O-Ring — Viton®

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 Ryton® 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.

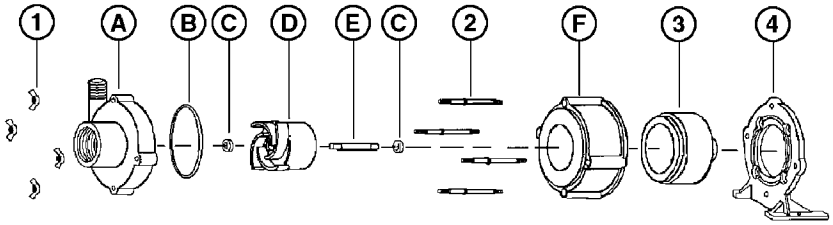
4-MD-HC

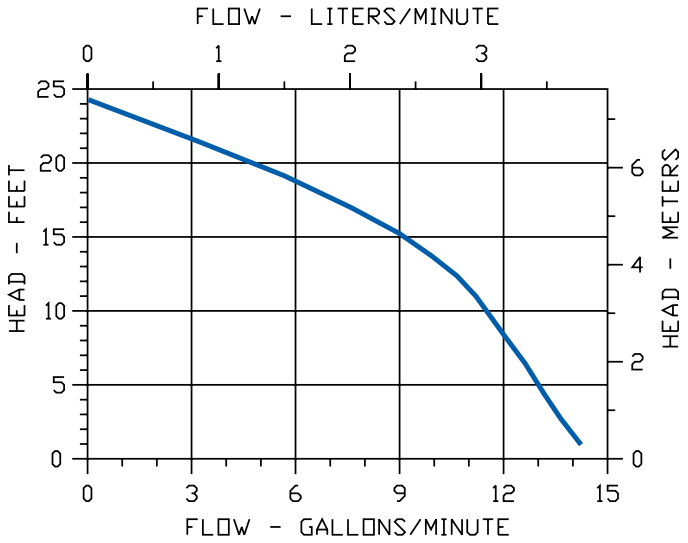


NOTE: *Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.*

Specifications

Model No.	Item No.	Intake Size	Discharge Size	Listing(s)	HP	Volts	Hertz	Amps	Watts	Performance (GPM @ Head) 1'	3'	6'	9'	15'	Shut Off Feet	Shut Off PSI	Power Cord (ft.)	Weight (lbs.)
4-MD-HC	582603	1" FNPT	1/2" MNPT	UR/C-CSA	1/10	115	60	1.7	185	14.2	13.5	12.8	11.8	9.2	24.3	10.5	6	9.30
4-MD-HC	582698	1" FNPT	1/2" MNPT		Pump Head Less Motor													2.33





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	183602	Drive magnet
4	180048	Mounting bracket

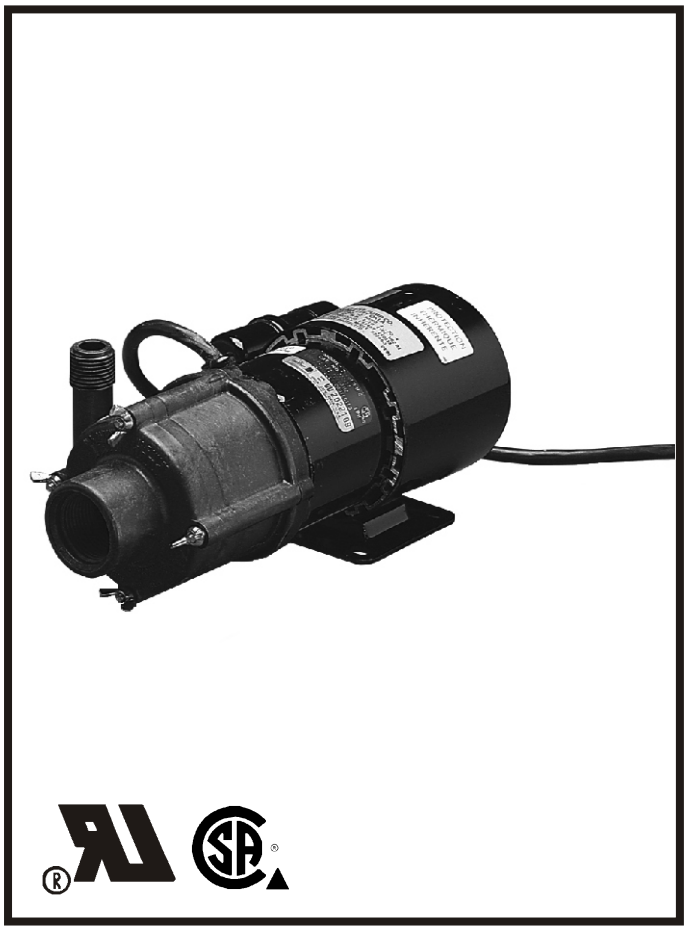
NOTE: Parts A–F contact fluid

Little GIANT®
PO Box 12010 • Oklahoma City, OK 73157
Phone: 800.701.7894 • Fax: 800.701.8046
E-mail: customerservice@littlegiant.com

Magnetic Drive

Little GIANT® Pump Company

TE-4-MD-HC



Features

Thermally Protected, Totally Enclosed, Fan Cooled, Permanent Split Capacitor Motor

Sleeve Bearings

6' Power Cord with 3-Prong Plug (No plug on 230V)

Specific Gravity to 1.1

Fluid Temperature to 200 Degrees F.

Ambient Air Temperature to 77 Degrees F.

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

Construction

Volute — Glass-filled Ryton®

Backplate — Glass-filled Ryton®

Impeller — Glass-filled Ryton® w/ Carbon Bushing

Shaft — Ceramic

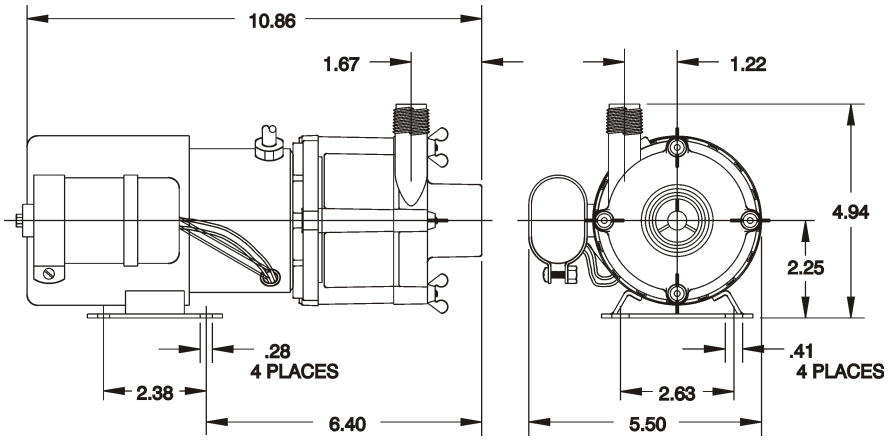
Thrust Washers — Ceramic

O-Ring — Viton®

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 Ryton® 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.

Little Giant Pump Co.

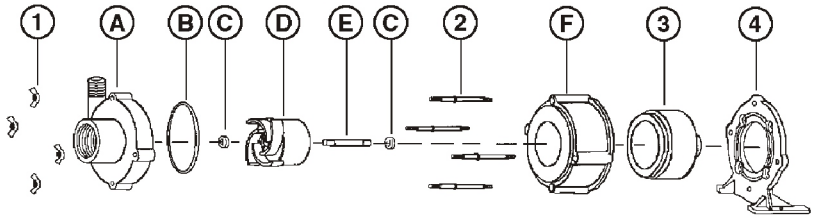
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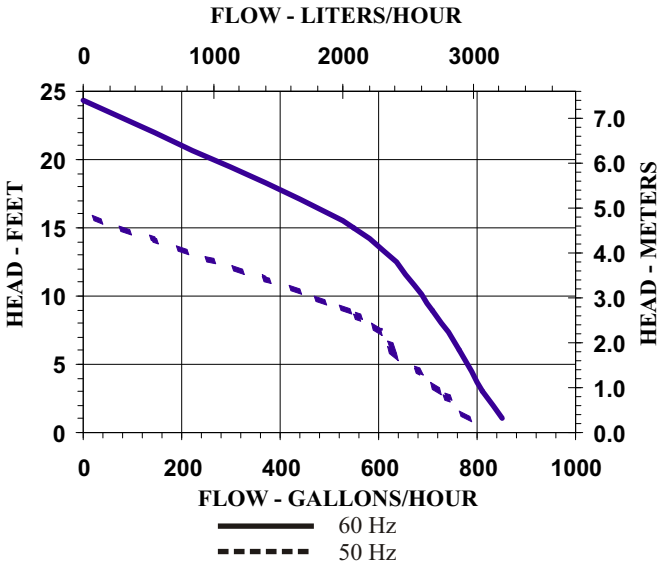


NOTE: Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.

Specifications

Model No.	Item No.	Intake	Discharge	Listing(s)	HP	Volts	Hertz	Amps	Watts	Performance (GPH @ Head) 1'	3'	6'	9'	15'	Shut Off Feet	Shut Off PSI	Pwr. Cord (ft)	Weight (Lbs.)
TE-4-MD-HC	582604	1" FNPT	1/2" MNPT	UR/C-CSA	1/10	115	60	1.7	178	850	810	765	710	550	24.3	10.5	6	10.30
TE-4-MD-HC	582614	1" FNPT	1/2" MNPT	UR/C-CSA	1/10	230	50/60	.5/.7	120/170	850	810	765	710	550	24.3	10.5	6	10.00





Replacement Parts

ITEM	PART NO.	DESCRIPTION
A	182011	Volute
B	924008	O-Ring
C	921077	Thrust Washer
D	182134	Impeller
E	180057	Shaft
F	182006	Housing
1	920003	Wing Nut
2	911403	Stud, Collared
3	183602	Drive Magnet
4	180048	Mtg. Bracket

Note: Parts A-F Contact Fluid.

Little Giant Pump Co.
PO Box 12010
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www.LittleGiantPump.com

Form 995781— 02/01

HC SERIES
1/8 HP
Non-Submersible, In-line Use

5-MD-HC



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

- 1/8 hp open FC PSC motor
- Glass-filled polyphenylene sulfide magnet housing and volute
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- C-cCSAus listed (583603 and 583613)

Series Specifications

RPM: 3000 (583603)
2500/3000 (583613)

Capacity: 17.5 gpm (66.2 lpm)

Shut Off: 27.5' (8.4 m)

Liquid Temperature: 200 °F (93.3 °C)

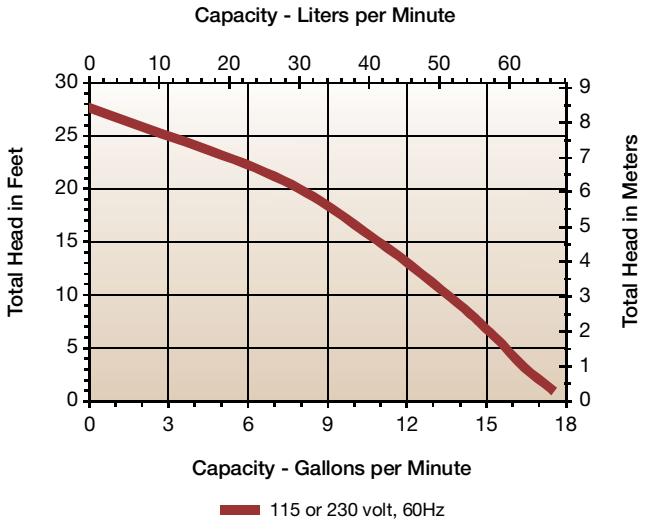
Discharge: 1/2" MNPT (12.7 mm)

Intake: 1" FNPT (25.4 mm)

Impeller: Glass-filled polyphenylene sulfide w/ carbon bushing

Electrical: 115 V, 50/60 Hz, 2 A
230 V, 50/60 Hz, 0.9 A

Performance Curve



Model Characteristics

Item #	Model	Volts	Cord	Capacity
583603	5-MD-HC	115	6' / 1.8 m	17.5 gpm / 66.2 lpm
583613	5-MD-HC	230	6' / 1.8 m (w/o plug)	17.5 gpm / 66.2 lpm
583698	5-MD-HC Pump head less motor	–	–	–

NOTE: Although no pump should be operated dry, the 5-MD-HC models with carbon bushing and ceramic shaft have a run-dry capability of up to eight hours without damage.

Little GIANT®

TE-5-MD-HC



Features

- Thermally protected, totally enclosed, fan cooled, permanent split capacitor motor
- Ball bearings
- 6' 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

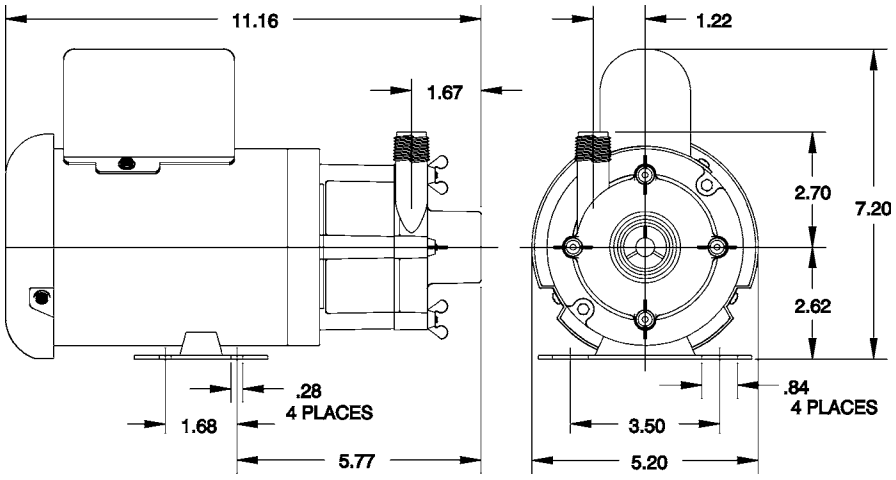
NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

Construction

- Volute — Glass-filled Ryton®
- Housing — Glass-filled Ryton®
- Impeller — Glass-filled Ryton® w/carbon bushing
- Shaft — Ceramic
- Thrust Washers — Ceramic
- O-Ring — Viton®

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 Ryton® 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.

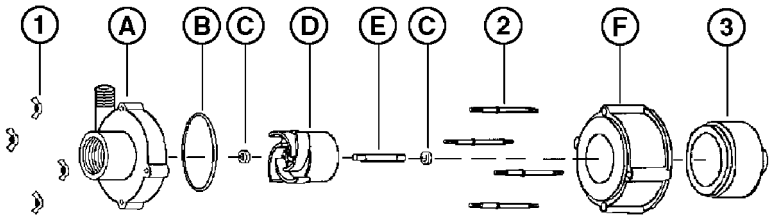
TE-5-MD-HC

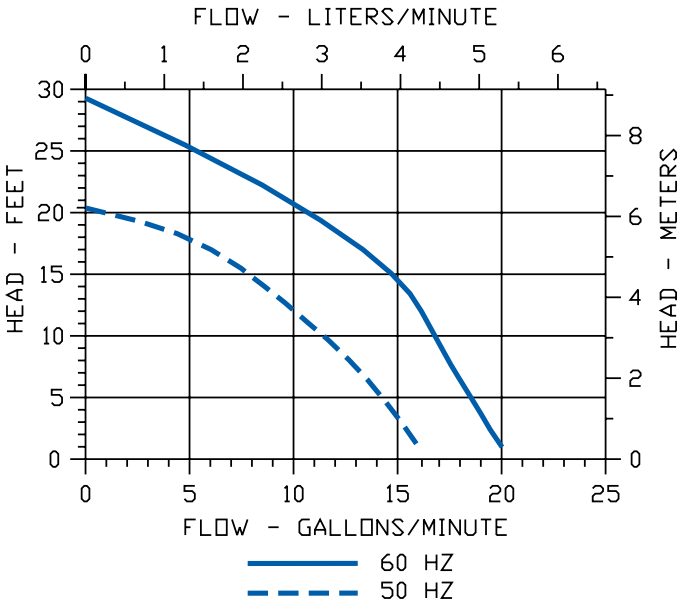


NOTE: *Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.*

Specifications

Model No.	Item No.	Intake Size	Discharge Size	Listing(s)	HP	Volts	Hertz	Amps	Watts	Performance (GPM @ Head) 1'	3'	6'	9'	15'	Shut Off Feet	Shut Off PSI	Power Cord (ft.)	Weight (lbs.)
TE-5-MD-HC	584604	1" FNPT	1/2" MNPT	UR/C-CSA	1/8	115	50/60	2.3/3.0	220/325	20	19.2	18.2	17	14.8	29.3	12.7	6	28.00
						230	50/60	1.3/1.4	220/325	20	19.2	18.2	17	14.8	29.3	12.7		
TE-5-MD-HC	584698	1" FNPT	1/2" MNPT		Pump Head Less Motor													7.00





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

Little GIANT®
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E-mail: customerservice@littlegiant.com

Little GIANT®

TE-5.5-MD-HC



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.

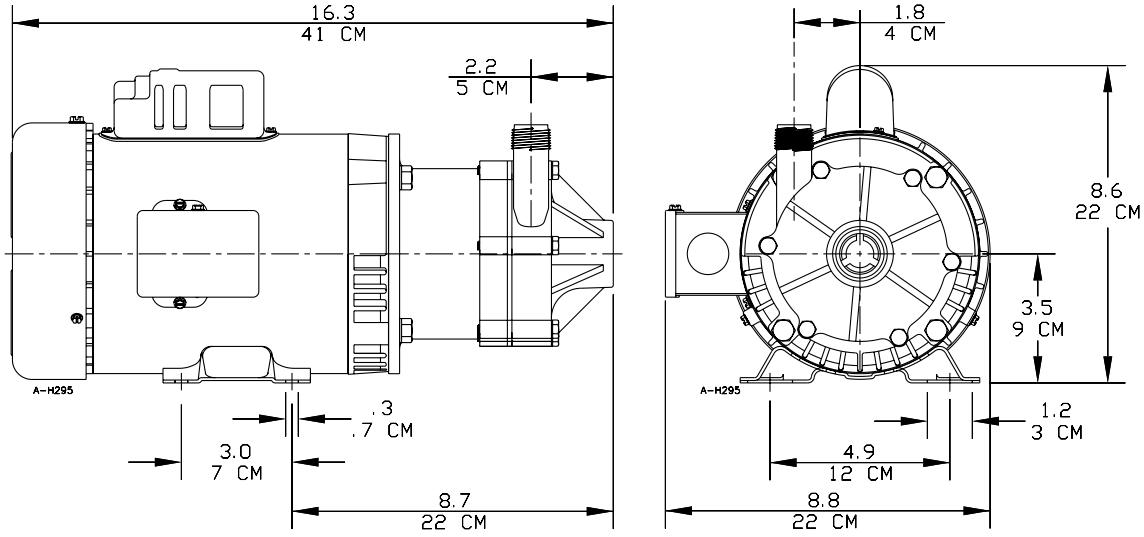
Construction

- Volute — Glass-filled Ryton®
- Backplate — Glass-filled Ryton®
- Impeller — Glass-filled Ryton® with carbon bushing
- Shaft — Ceramic
- Thrust Washers — Ceramic
- O-Ring — Viton®

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 Ryton® 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.

Ryton® is a registered trademark of Chevron Phillips Chemical Company
Viton® is a registered trademark of DuPont Performance Elastomers

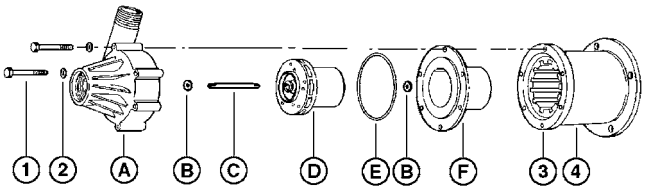
TE-5.5-MD-HC

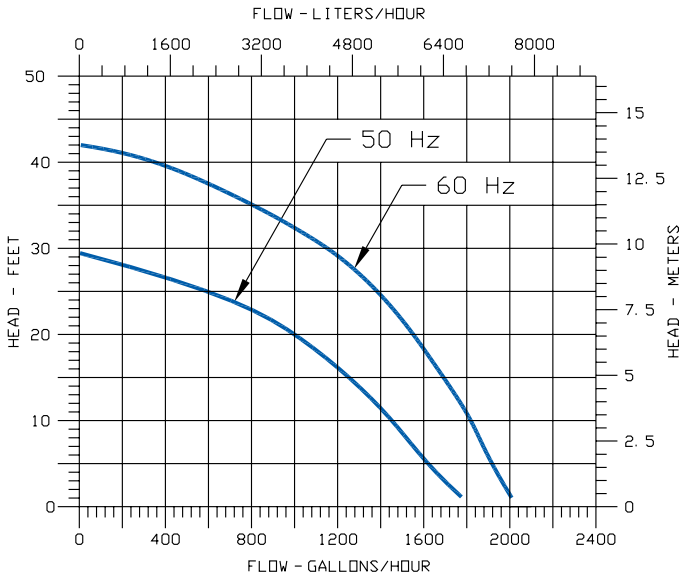


NOTE: *Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.*

Specifications

Model No.	Item No.	Intake Size	Discharge Size	Listing(s)	HP	Volts	Hertz	Amps	Watts	Performance (GPM @ Head) 5'	10'	20'	30'	40'	Shut Off Feet	Shut Off PSI	Power Cord (ft.)	Weight (lbs.)
TE-5.5-MD-HC	585604	1" FNPT	3/4" MNPT	UR/C-CSA	1/3	115	50/60	5.6/5.0	340/525	32	30	26	19	6	40.5	17.5	N/A	28.00
						230	50/60	2.8/2.5	340/525									
TE-5.5-MD-HC	585698	1" FNPT	3/4" MNPT		Pump head less motor													7.00





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

LittleGIANT®
PO Box 12010 • Oklahoma City, OK 73157
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E-mail: customerservice@littlegiant.com

Little GIANT®

TE-6-MD-HC



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.

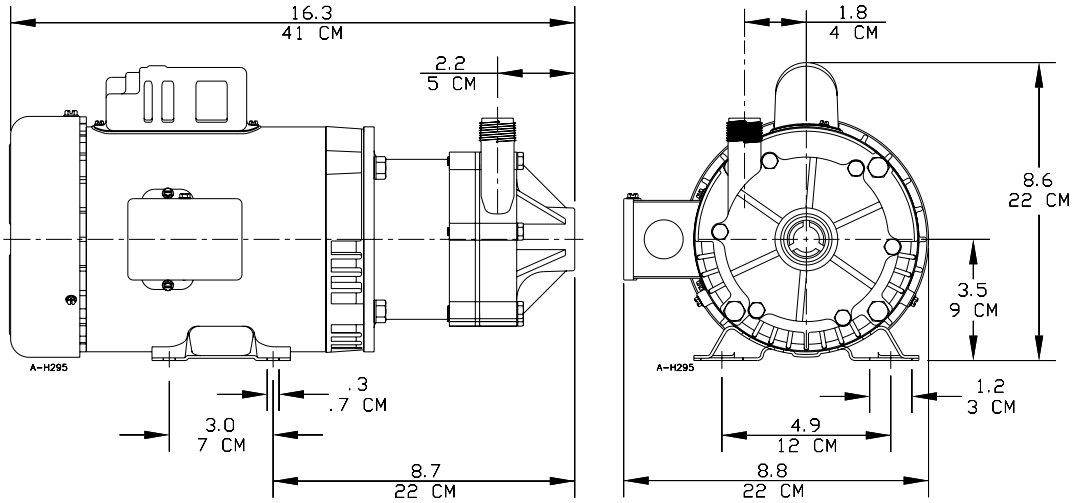
Construction

- Volute — Glass-filled Ryton®
- Backplate — Glass-filled Ryton®
- Impeller — Glass-filled Ryton® with carbon bushing
- Shaft — Ceramic
- Thrust Washers — Ceramic
- O-Ring — Viton®

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 Ryton® 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.

Ryton® is a registered trademark of Chevron Phillips Chemical Company
Viton® is a registered trademark of DuPont Performance Elastomers

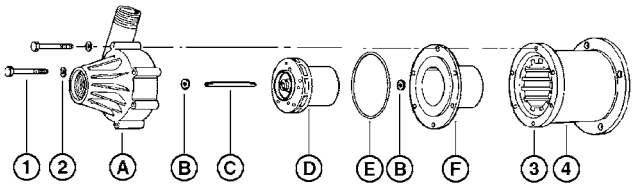
TE-6-MD-HC

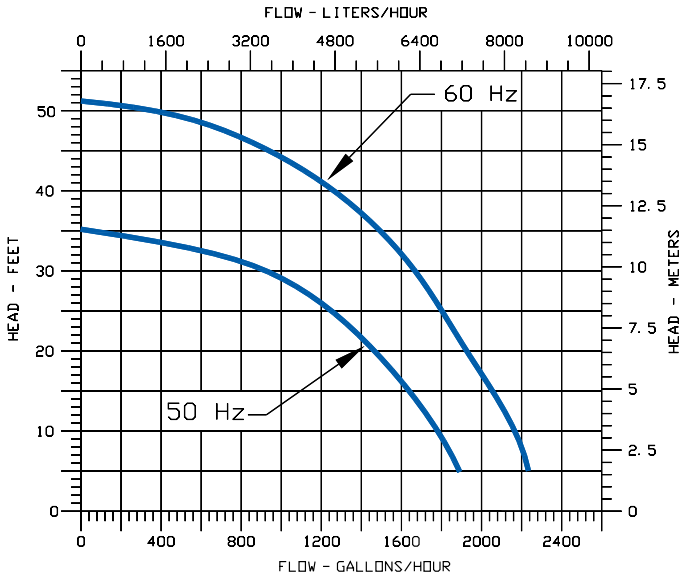


NOTE: *Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.*

Specifications

Model No.	Item No.	Intake Size	Discharge Size	Listing(s)	HP	Volts	Hertz	Amps	Watts	Performance (GPM @ Head) 5'	10'	20'	30'	40'	Shut Off Feet	PSI	Power Cord (ft.)	Weight (lbs.)
TE-6-MD-HC	586604	1" FNPT	3/4" MNPT	UR/C-CSA	1/2	115	50/60	11.6/9.4	640/835	38	36.7	31.7	28.3	21.7	51	22.1	N/A	29.00
						230	50/60	5.8/4.7	640/835									
TE-6-MD-HC	586650	1" FNPT	3/4" MNPT	UR	1/2	230	50/60	1.8/1.8	400	38	36.7	31.7	28.3	21.7	51	22.1	N/A	34.00
3 Phase						460	50/60	.9/.9	400									
TE-6-MD-HC	586698	1" FNPT	3/4" MNPT	Pump head less motor														6.20





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

LittleGIANT®
PO Box 12010 • Oklahoma City, OK 73157
Phone: 800.701.7894 • Fax: 800.701.8046
E-mail: customerservice@littlegiant.com

Little GIANT®

TE-7-MD-HC



Features

- 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

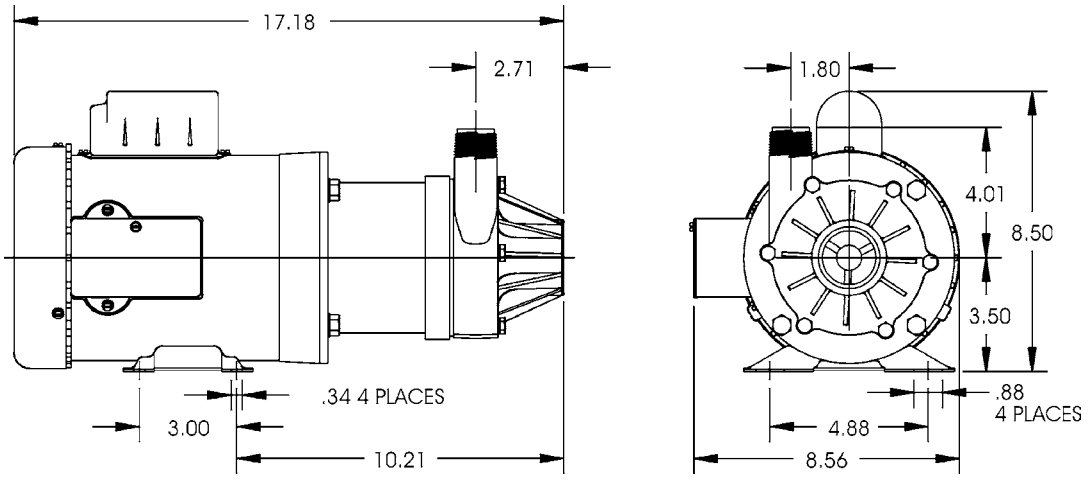
NOTE: Consult your local distributor or the factory for applications with higher ambient temperatures, specific gravities and viscosities.

Construction

- Volute — Glass-filled Ryton®
- Housing — Glass-filled Ryton®
- Impeller — Glass-filled Ryton® w/carbon bushing
- Shaft — Ceramic
- Thrust Washers — Ceramic
- O-Ring — Viton®

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 Ryton® 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.

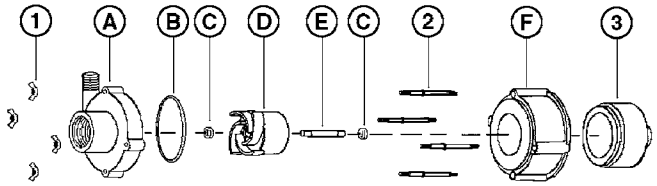
TE-7-MD-HC

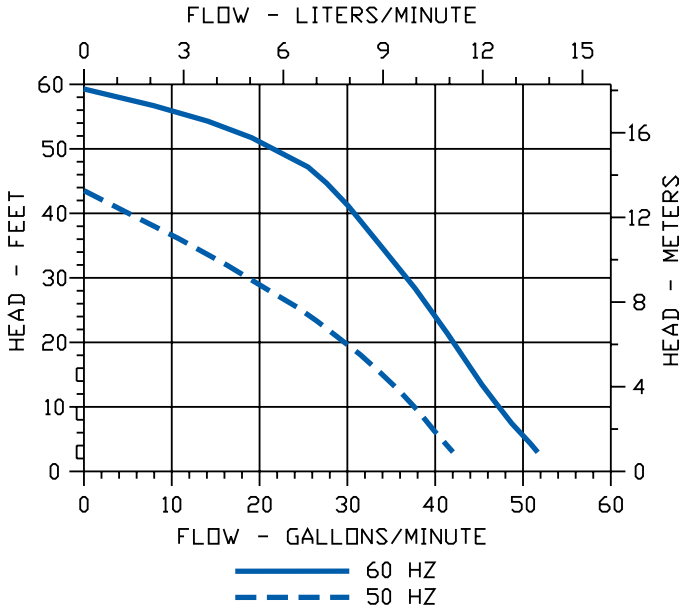


NOTE: *Designs and dimensions may vary for various reasons (i.e. type of motor). This information should be used as general guide rather than an unqualified guarantee. Specifications are subject to change without prior notice.*

Specifications

Model No.	Item No.	Intake Size	Discharge Size	Listing(s)	HP	Volts	Hertz	Amps	Watts	Performance (GPM @ Head) 1'	10'	25'	40'	50'	Shut Off Feet	PSI	Power Cord (ft.)	Weight (lbs.)
TE-7-MD-HC	587010	1-1/2" FNPT	1" MNPT	UR/C-CSA	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	40.00
						230	50/60	5.2/5.9	1080/1230									
TE-7-MD-HC	587040	1-1/2" FNPT	1" MNPT	UR/C-CSA	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	40.00
3 Phase						460	50/60	1.2/1.45	1080/1230									
TE-7-MD-HC	587103	1-1/2" FNPT	1" MNPT		Pump Head Less Motor													8.00





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

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