

Air Conditioning, Heating, Refrigeration

Product Catalog

- Condensate Removal
- Ice Machine Replacement
- Evaporative Cooler
- Accessories



LittleGIANT®

Condensate Removal Pumps

VCMA SERIES

High Capacity Model

VCMA-20S



Applications

- For removal of condensate from air conditioners, condensing boilers, refrigerated display cabinets, and dehumidifiers

Features

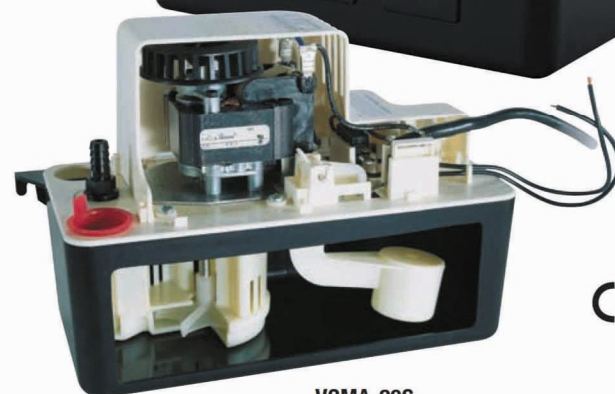
- Fully automatic: start, stop, safety switch
- Includes removable 9.5 mm diameter check valve/non-return valve
- 2.0 L tank capacity
- Thermally protected motor
- IP 20
- CE approved
- Options: 6 m tubing (VCMA-20ST)
- 1/30 HP high performance motor
- ABS tank, motor cover, and volute
- Stainless steel shaft
- Removable 9.5 mm barbed check valve
- 3 inlet drain holes
- Includes cup plugs to close unused inlets

Electrical: 230V, 50Hz
0.6A, 60W

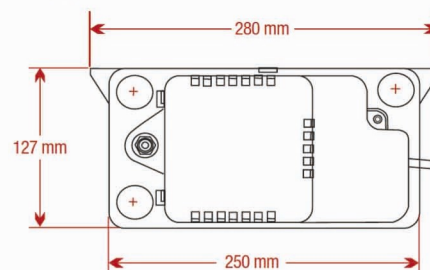
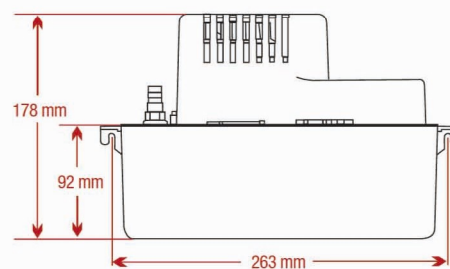
Operation: Automatic

Model Characteristics

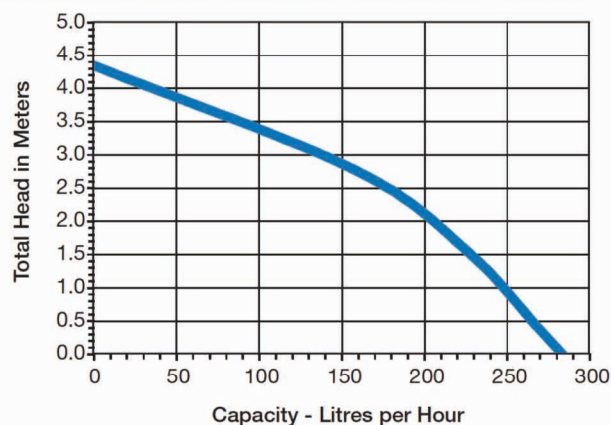
Model	Volts	Cord	Shut Off	Weight (Kg.)
VCMA-20S LG-CO 554471	230	1.83 m	4.3 m	2.26
VCMA-20ST	230	1.83 m	4.3 m	2.72



VCMA-20S



Performance Curve VCMA-20S 230V, 50Hz 554471



Condensate Removal Pumps

VCC SERIES

Low Profile

Compact Tank

VCC-20S



Applications

- For removal of condensate from air conditioners, condensing boilers, refrigerated display cabinets, and dehumidifiers



Features

- Fully automatic: start, stop, safety switch
- Includes removable 9.5 mm diameter check valve/non-return valve
- 1.0 L tank capacity
- Thermally protected motor
- IP 20
- CE approved
- Options: 6 m tubing
- Low profile for limited space applications
- 1/30 HP motor
- ABS tank, motor cover, and volute
- Stainless steel shaft
- Removable 9.5 mm barbed check valve

Series Specifications

Shut Off: 4.3 m

Maximum Liquid

Temperature: 50°C

Discharge: 9.5 mm

Electrical: 230V, 50Hz

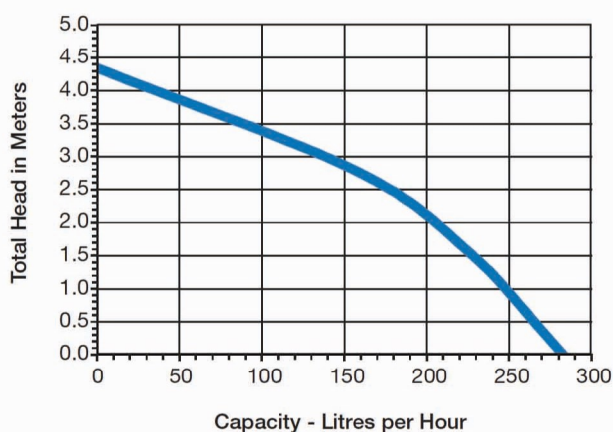
0.6A, 60W

Operation: Automatic

Model Characteristics

Model	Volts	Cord	Dimensions (mm)			Weight (Kg.)
			Height	Length	Width	
VCC-20S LG-C0554138	230	1.8 m	127	300	125	2.2

Performance Curve VCC-20S 230V, 50Hz 554138



1-ABS SERIES

Shallow-Pan Tank

1-ABS



New improved switch design

Applications

- For removal of condensation from airconditioner drain pan or reservoir
- Designed for use in existing drip tray



Features

- Fully automatic: start and stop
- 1/150 HP oil filled motor
- Epoxy coated cast aluminium housing and motor cover
- Thermally protected motor
- Nylon volute
- Stainless steel shaft
- Nitrile shaft seal
- Switch housing: ABS
- Low level on and off operation: On level 42mm, Off level 13mm
- Screened intake
- Advanced mechanical switch
- IP 68
- CE approved

Series Specifications

Shut Off: 2.2 m

Maximum Liquid

Temperature: 50°C

Discharge: 6 mm threaded

Impeller: Nylon

Electrical: 230V, 50Hz,

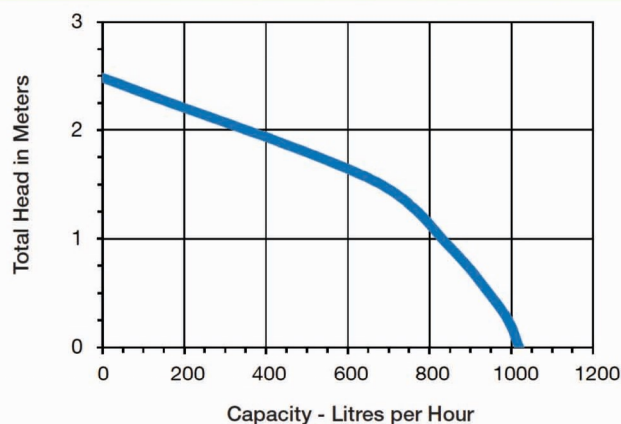
0.6A, 70W

Operation: Automatic

Model Characteristics

Model	Volts	Cord	Dimensions (mm)			Weight (Kg.)
			Height	Length	Width	
1-ABS 550531	230	3.3 m	110	186	94	1.7

Performance Curve 1-ABS 230V, 50Hz CE 550531



Utility Pumps

5 SERIES 1/6 HP Submersible Use



WATER WIZARD®

Applications

- Submersible, water transfer or recirculation, water displays, air conditioners and machine tool coolants

Features

- 1/6 hp shaded pole motor
- Garden hose adapter and removable inlet screen
- Epoxy coated cast aluminum housing
- Nylon volute
- Fluoroelastomer (FKM) shaft seal
- Stainless steel shaft
- Lifetime oil supply

Series Specifications

Capacity: 1200 gph @ 1' (4542 lph @ 0.3 m)

Electrical: 115 V, 60 Hz
230 V, 60 Hz

Shut Off: 26.3' (8 m)

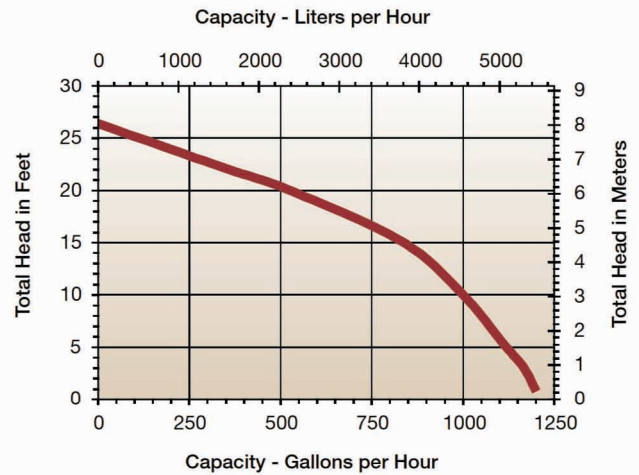
Operation: Manual or Automatic

Liquid Temperature: 120 °F (49 °C)

Discharge: 1" FNPT (25.4 mm)

Impeller: Nylon

Performance Curve



Model Characteristics

Item #	Model	Volts	Cord	Listing	Switch Type	On Level	Off Level
505300	5-ASP	115	10' 3 m	cCSAus	Piggyback Diaphragm	6" - 9" 15.2 cm - 23 cm	1" - 4" 2.5 cm - 10 cm
505350	5-ASP-LL	115	18' 5.5 m	cCSAus	Piggyback Diaphragm	2" - 3" 5 cm - 7.6 cm	0.5" - 1.5" 1.3 cm - 3.8 cm
505400	5-ASP-FS	115	10' 3 m	cCSAus	Integral Float Switch	10" - 12" 24.5 cm - 30.5 cm	2" - 4" 5.1 cm - 10.2 cm
505486	5-MSPR	115	10' 3 m (black pump)	cCSAus	—	—	—
505000	5-MSP	115	10' 3 m	cCSAus	—	—	—
505025	5-MSP	115	25' 7.6 m	cCSAus	—	—	—
505176	5-MSP	115	18' 5.5 m	cCSAus	—	—	—
505202	5-MSP	230	12' 3.6 m (w/o plug)	—	—	—	—

Small Submersible Pumps

1-42 SERIES

Oil-filled, Direct Drive
Submersible or In-line Use

Applications

- Water transfer or recirculation, and water displays

Features

- 1/150 hp oil-filled, direct drive motor
- Designed for continuous duty, submersible or in-line use
- Epoxy coated cast aluminum housing and cover
- Nylon volute
- Nitrile shaft seal
- cCSAus listed

1-42



Series Specifications

Capacity: 205 gph @ 1'
776 lph @ 0.3 m

Impeller: Nylon

Electrical: 115 V, 60 Hz, 1.1 A

Shut Off: 7.4' (2.2 m)

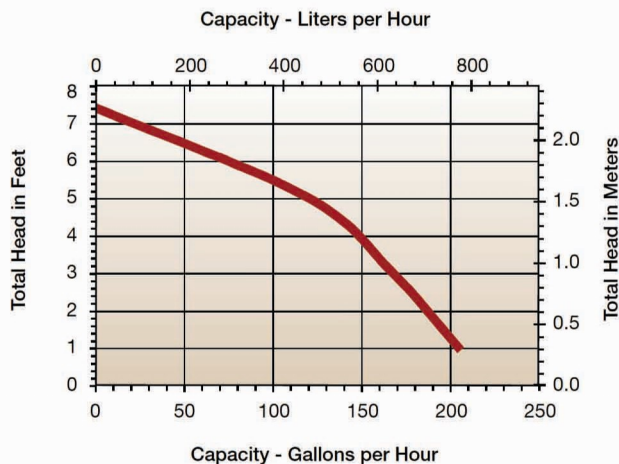
Liquid Temperature: 120 °F (49 °C)

Discharge: 1/4" MNPT (6 mm)

Intake: 1/2" MNPT & 1/4" FNPT
(12.7 mm & 6 mm)

Model Characteristics

Item #	Model	Volts	Cord	Capacity	Protection
501203	1-42	115	6' 1.8 m	205 gph @ 1' 776 lph @ 0.3 m	Thermal overload



1 SERIES

Oil-filled, Direct Drive
Submersible Use

Applications

- Water transfer or recirculation, and water displays

Features

- 1/150 hp oil-filled, direct drive motor
- Designed for continuous duty, submersible use only
- Epoxy coated cast aluminum housing and cover
- Polypropylene volute and elbow
- Nitrile shaft seal

- Polyethylene screen
- cCSAus listed

1



Series Specifications

Capacity: 205 gph @ 1'
(776 lph @ 0.3 m)

Impeller: Polypropylene

Electrical: 115 V, 60 Hz, 1.1 A
230 V, 50/60 Hz,
0.6/0.4 A

Shut Off: 7.4' (2.2 m)

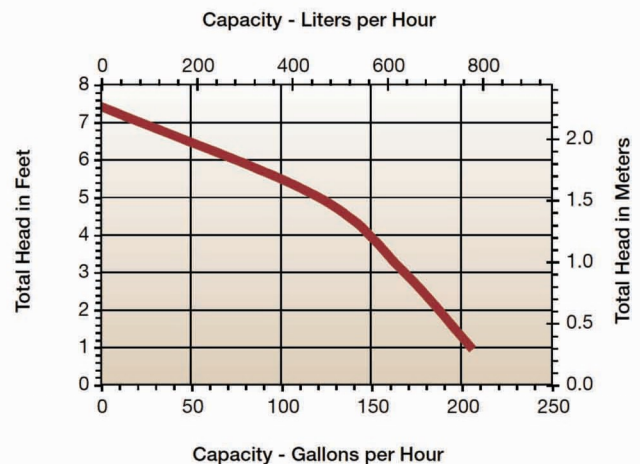
Liquid Temperature: 120 °F (49 °C)

Discharge: 1/4" MNPT (6 mm)

Intake: Smooth

Model Characteristics

Item #	Model	Volts	Cord	Protection
501003	1	115	6' 1.8 m	Impedance
501016	1-Y	230	12' 3.6 m (w/o plug)	Thermal overload



Specialty Pumps

Parts Washer Pumps

Submersible Use

CAUTION: The low flash point of these combustible liquids does present a moderate fire hazard. Operating the pump fully submerged offers added protection from fire risk. For other solvent handling precautions, consult the material safety data sheet (OSHA-20 form, or equivalent), for the solvent use.

Use only UL approved Metal Parts Cleaning Solvents. The use of fluids such as gasoline, and lower flash point solvents is dangerous and may cause explosions or fire. Solvents other than UL approved metal parts cleaning solvents will void the warranty of this product.

Applications

- Submersible for pumping unheated metal parts cleaning solvent which is UL classified as PJQU

Features

- 1/125 hp epoxy encapsulated motor
- Cast aluminum/polyester housing
- Nylon volute and screen
- Fluoroelastomer (FKM) shaft seal
- 3/8" (9.5 mm) conduit fitting
- cCSAus listed

1-EAYS



Series Specifications

Capacity: 170 gph @ 1'
643 lph @ 0.3 m

Shut Off: 7' (2.1 m)

Liquid Temperature: 120 °F (49 °C)

Discharge: 1/4" MNPT (6 mm)

Impeller: Nylon

Electrical: 115 V, 60 Hz, 0.6 A

Model Characteristics

Item #	Model	Volts	Cord	Capacity	Protection
518020	1-EAYS	115	6' 1.8 m (w/o plug)	170 gph @ 1' 643 lph	Impedance

Applications

- Submersible for pumping unheated metal parts cleaning solvent which is UL classified as PJQU

Features

- 1/150 hp oil-filled motor
- Cast aluminum housing
- Nylon volute
- Fluoroelastomer (FKM) shaft seal
- Polyethylene screen
- 1/2" (12.7 mm) conduit fitting
- cCSAus listed (501020 and 501025)

1-YS



Series Specifications

Capacity: 205 gph @ 1'
776 lph @ 0.3 m

Electrical: 115 V, 60 Hz, 1.1 A
230 V, 50/60 Hz, 0.6 A

Shut Off: 7.4' (2.3 m)

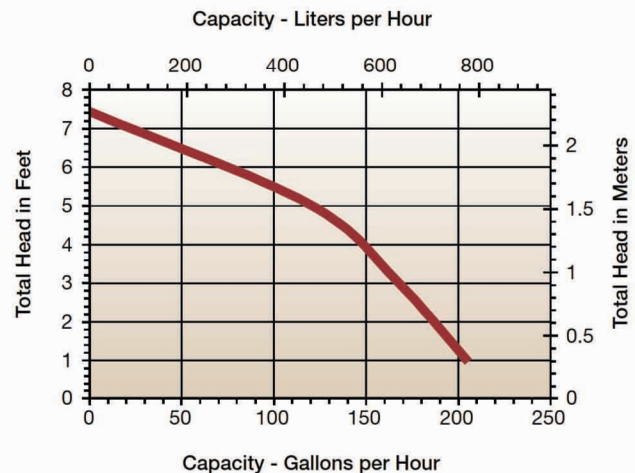
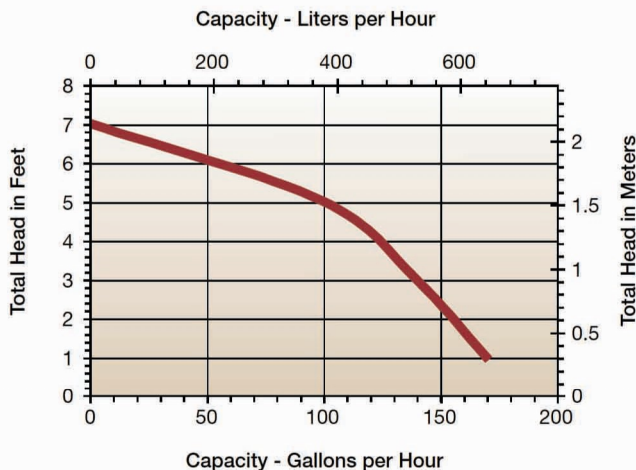
Liquid Temperature: 120 °F (49 °C)

Discharge: 1/4" MNPT (6 mm)

Impeller: Nylon

Model Characteristics

Item #	Model	Volts	Cord	Capacity	Protection
501020	1-YS	115	6' 1.8 m (w/o plug)	205 gph @ 1' 776 lph	Thermal overload
501025	1-Y	115	6' 1.8 m (w/o plug)	205 gph @ 1' 776 lph	Thermal overload
501036	1-YS	230	6' 1.8 m (w/o plug)	205 gph @ 1' 776 lph	Thermal overload



Magnetic Drive Pumps

MD SERIES 1/12 HP

Non-Submersible, In-line Use



Applications

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

Features

- 1/12 hp open FC motor
- Glass-filled polypropylene magnet housing
- Glass-filled polypropylene volute
- 1.1 specific gravity
- Nitrile O-ring
- Titanium thrust washers and shaft
- C-cSAus listed (582002 and 582012)

Series Specifications

RPM: 3250 (582002)
2500 (582012)

Intake: 1/2" FNPT (12.7 mm)

Capacity: 11.5 gpm (43.5 lpm)

Impeller: Glass-filled polypropylene & Ceramagnet "A" (Barium Ferrite)

Shut Off: 23.7' (7.2 m)

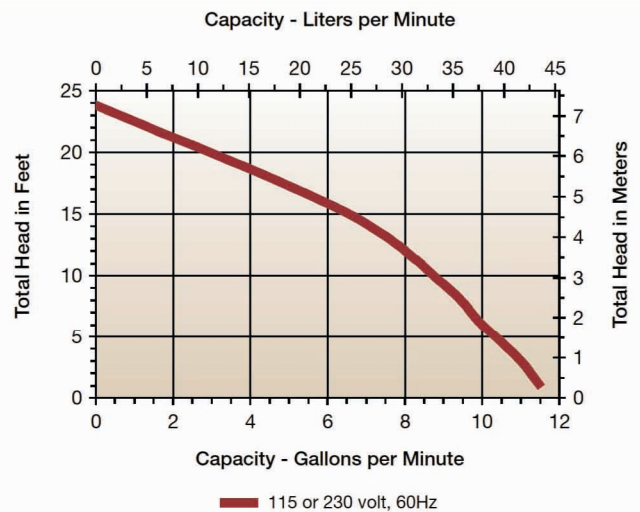
Liquid Temperature: 150 °F (66 °C)

Electrical: 115 V, 60 Hz, 2.4 A

Discharge: 1/2" MNPT (12.7 mm)

230 V, 60 Hz, 1.4 A

Performance Curve



Model Characteristics

Item #	Model	Volts	Cord	Capacity
582002	4-MD	115	6'	11.5 gpm
			1.8 m	43.5 lpm
582012	4-MD	230	6'	11.5 gpm
			1.8 m (w/o plug)	43.5 lpm
582098	4-MD Pump head less motor	—	—	—

Magnetic Drive Pumps

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-cSAus 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)

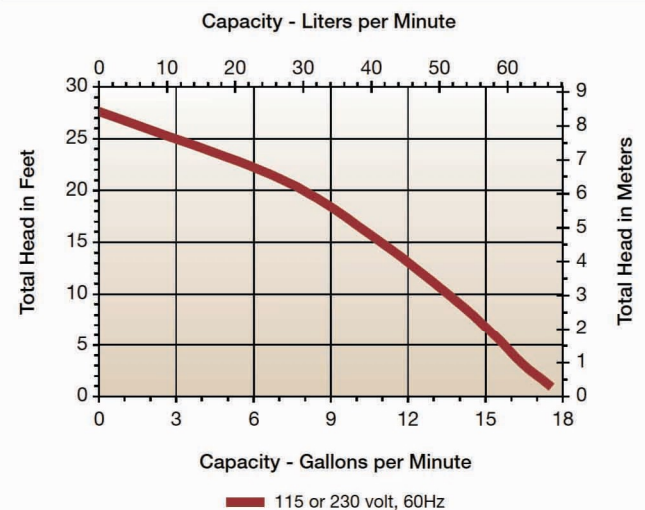
Discharge: 1/2" MNPT (12.7 mm)

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'	17.5 gpm
			1.8 m	66.2 lpm
583613	5-MD-HC	230	6'	17.5 gpm
			1.8 m (w/o plug)	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.

Magnetic Drive Pumps

HC SERIES 1/2 HP

Non-Submersible, In-line Use

TE-6-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

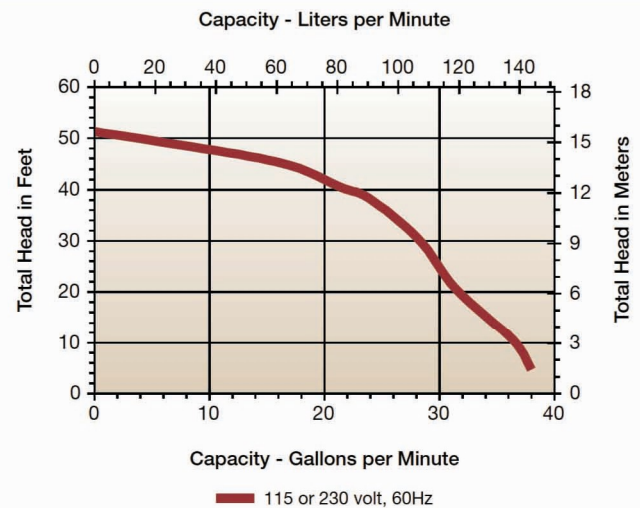
Features

- 1/2 hp TEFC split phase motor
- Glass-filled polyphenylene sulfide volute and backplate
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- cCSAus listed

Series Specifications

RPM: 2850/3450	Impeller: Glass-filled polyphenylene sulfide w/ carbon bushing
Capacity: 38 gpm (143.8 lpm)	
Shut Off: 51' (15.5 m)	Electrical: 115 V, 50/60 Hz, 11.6/9.4 A
Liquid Temperature: 180 °F (82.2 °C)	230 V, 50/60 Hz, 5.8/4.7 A
Discharge: 3/4" MNPT (19 mm)	
Intake: 1" FNPT (25.4 mm)	

Performance Curve



Model Characteristics

Item #	Model	Volts	Cord	Capacity
586604	TE-6-MD-HC	115/230	Not included	38 gpm 143.8 lpm
586698	TE-6-MD-HC Pump head less motor	—	—	—

NOTE: Although no pump should be operated dry, the TE-6-MD-HC model with carbon bushing and ceramic shaft has a run-dry capability of up to eight hours without damage.

Magnetic Drive Pumps

CK SERIES 1/3 HP

Non-Submersible, In-line Use

TE-5.5-MD-CK



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

- 1/3 hp TEFC split phase motor
- Carbon-filled PVDF volute and backplate
- 1.1 specific gravity
- Fluoroelastomer (FKM) O-ring
- Ceramic thrust washers and shaft
- cCSAus listed

Series Specifications

RPM: 2850/3450

Capacity: 32 gpm (121.1 lpm)

Shut Off: 40.5' (12.3 m)

Liquid Temperature: 200 °F (93.3 °C)

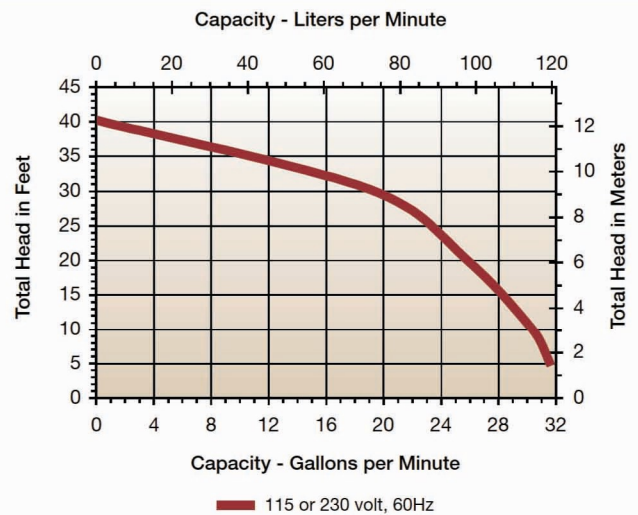
Discharge: 3/4" MNPT (19 mm)

Intake: 1" FNPT (25.4 mm)

Impeller: Carbon-filled PVDF with mica-filled PTFE bushing*

Electrical: 115 V, 50/60 Hz,
5.6/5.0 A
230 V, 50/60 Hz,
2.8/2.5 A

Performance Curve



Model Characteristics

Item #	Model	Volts	Cord	Capacity
585600	TE-5.5-MD-CK	115/230	Not included	32 gpm 121.1 lpm

* This pump does NOT have run dry capabilities.