

MAGNEVO® MC SERIES

SUPERIOR DRY-RUN PROTECTION

MAGNETIC-DRIVE CENTRIFUGAL PUMPS



SELECTION GUIDE

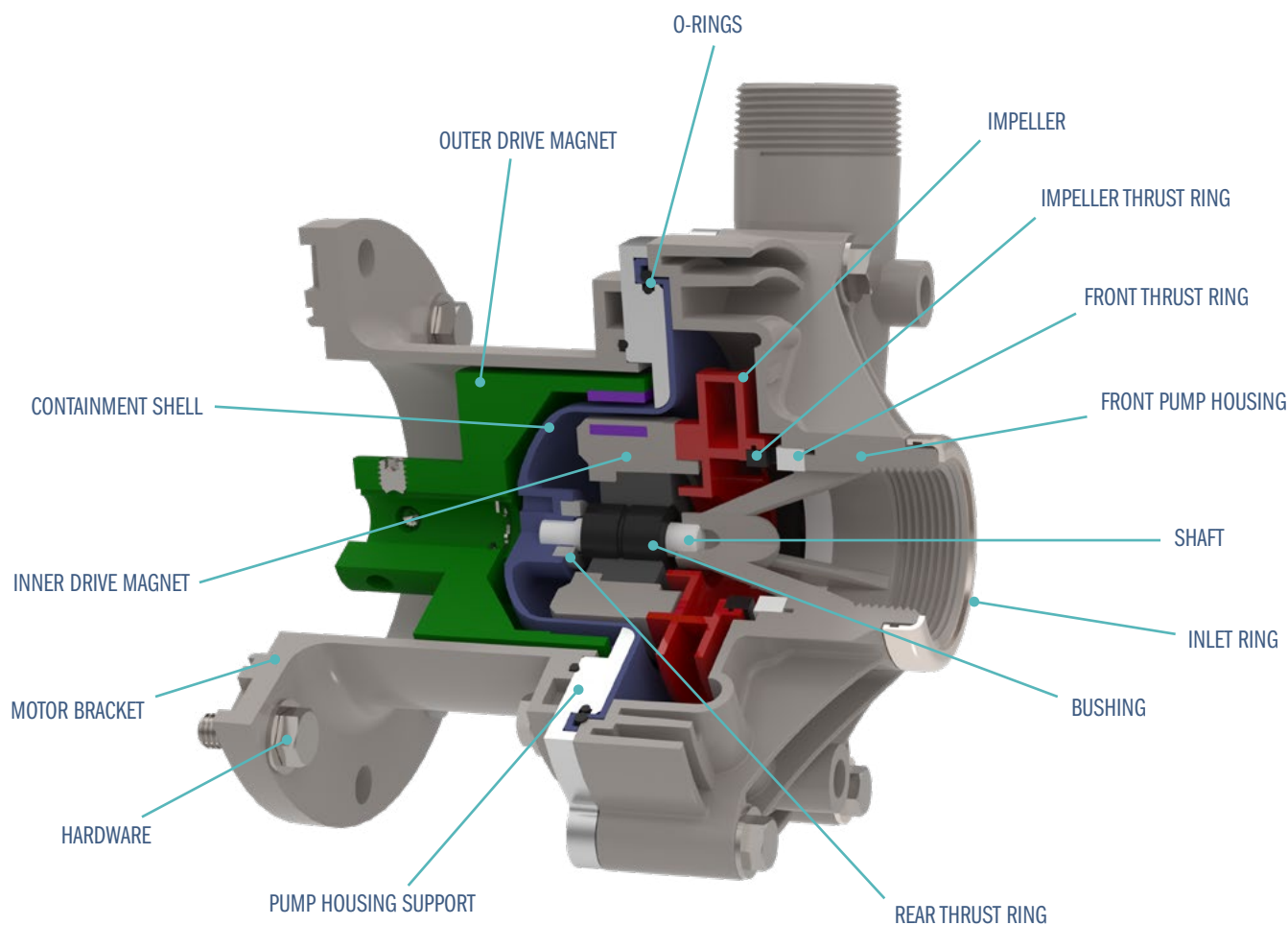


MAGNEVO® PUMPS

EXPERTS IN MAGNETIC DRIVE PUMPS

ENGINEERED COMPONENT DESIGN

PRECISION ARCHITECTURE. PROVEN RELIABILITY.



LIQUID END MATERIALS OF CONSTRUCTION

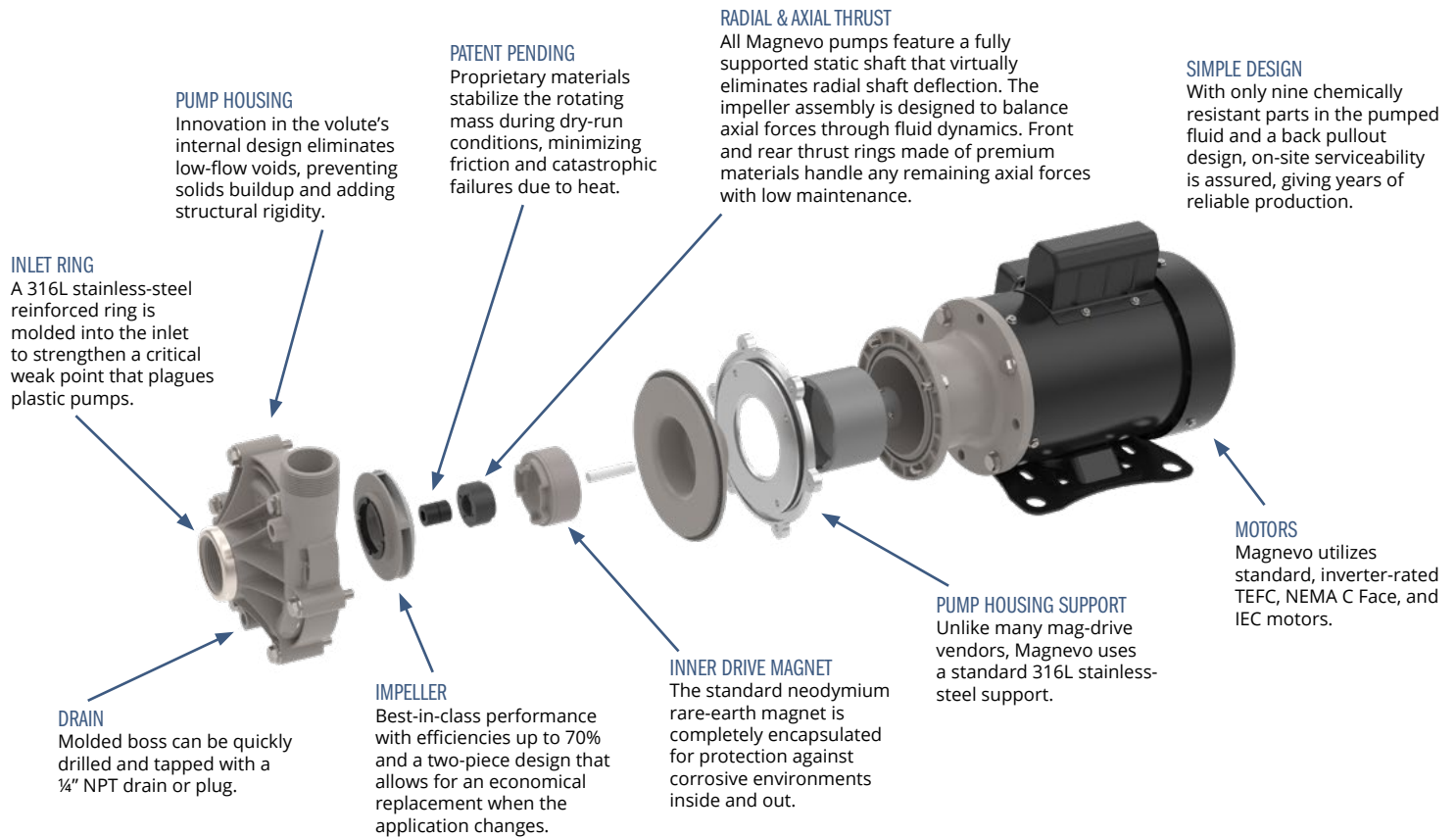
DESCRIPTION	STANDARD	OPTIONS
Front Pump Housing	Glass-fiber reinforced polypropylene (GFRPP)	—
Front Thrust Ring	Alumina ceramic	—
Impeller Thrust Ring	Glass-filled PTFE with molybdenum	—
O-Rings (fluid elastomers)	FKM (flourocarbon elastomer)	EPDM
Impeller	Glass-fiber reinforced polypropylene (GFRPP)	—
Bushing	Carbon graphite	Alumina ceramic
Shaft	Alumina ceramic	—
Pump Housing Support	316L stainless steel	—

DESCRIPTION	STANDARD	OPTIONS
Rear Thrust Ring	Silicon carbide / alumina ceramic	—
Outer Drive Magnet	Epoxy-coated steel with nickel-plated neodymium iron boron magnets	—
Containment Shell	Glass-fiber reinforced polypropylene (GFRPP)	—
Motor Bracket	Glass-fiber reinforced polypropylene (GFRPP)	—
Inner Drive Magnet	Neodymium magnets encapsulated in polypropylene	—
Inlet Ring	316L stainless steel	—
Hardware	316 stainless steel	—

Max. operating temperature: 180 °F

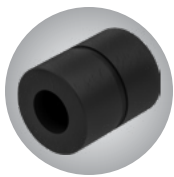
ADVANCED PROTECTION STARTS INSIDE

SMART DESIGN. ADVANCED MATERIALS. REAL-WORLD PROTECTION.



BUILT TO HANDLE DRY-RUN CONDITIONS

ADVANCED BEARING & BUSHING MATERIALS



- ✓ The internal sleeve bearings are the first to fail in dry run.
- ✓ Carbon graphite bushings are self-lubricating — even when dry — dramatically extending dry-run survivability.
- ✓ Infused with proprietary materials to reduce heat and increase strength.

HEAT-RESISTANT THERMOPLASTICS



- ✓ High-grade thermoplastics provide superior heat resistance and mechanical strength.
- ✓ Delivers greater resiliency and long-term reliability compared to pumps built with lower-grade polymers.
- ✓ Rated for operation up to 180 °F.

THRUST LOAD MANAGEMENT



- ✓ Dual thrust bearings (front and rear) distribute axial loads.
- ✓ Larger bearing surfaces spread the load and reduce localized heat and scoring.
- ✓ Results in smoother operation and longer component life.

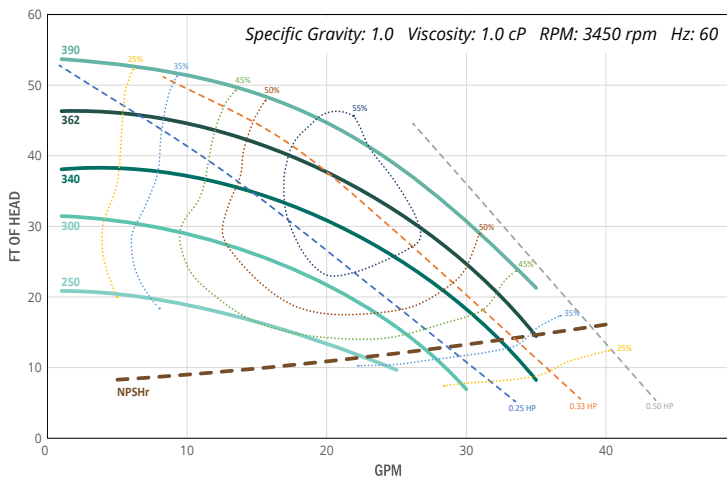
PATENT-PENDING DRY-RUN DESIGN



- When starved of liquid, the unbuffered run condition within the pump creates internal friction with no cooling capacity.
- ✓ Magnevo's patent-pending stability system reduces non-linear movement in the impeller during dry-run conditions, preventing the impeller from generating catastrophic heat.

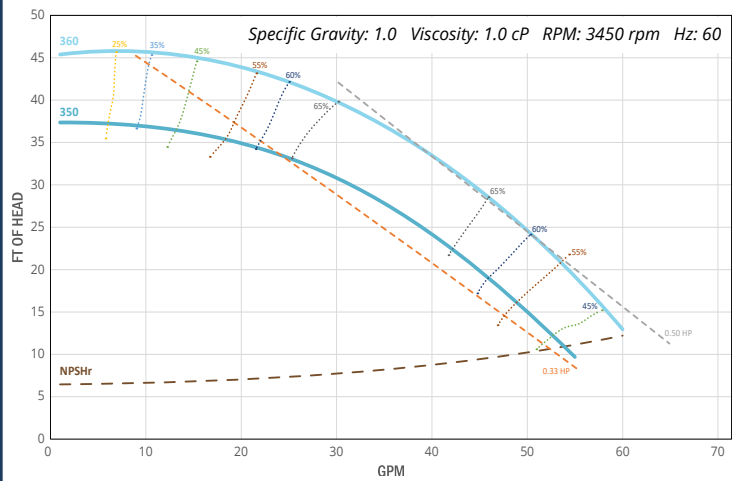
ENGINEERED FOR THE RIGHT FIT

MC4 SERIES



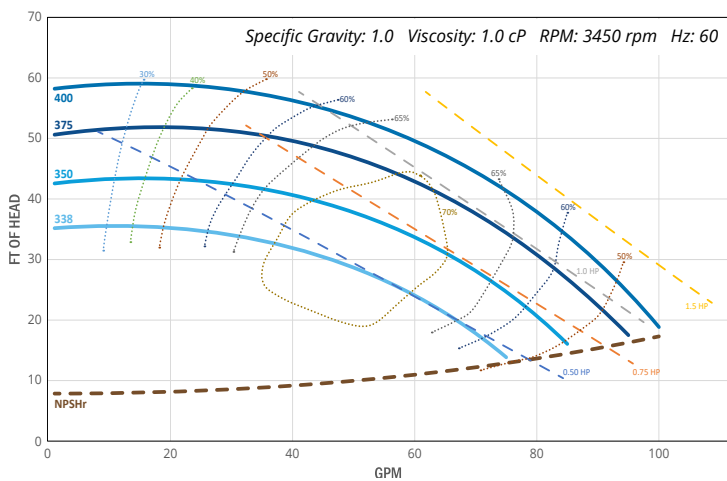
Inlet (FNPT) 1" Max Flow (GPM) 28 HP 0.5
 Outlet (MNPT) 1" Max Head. 21' Phase 1

MC6 SERIES



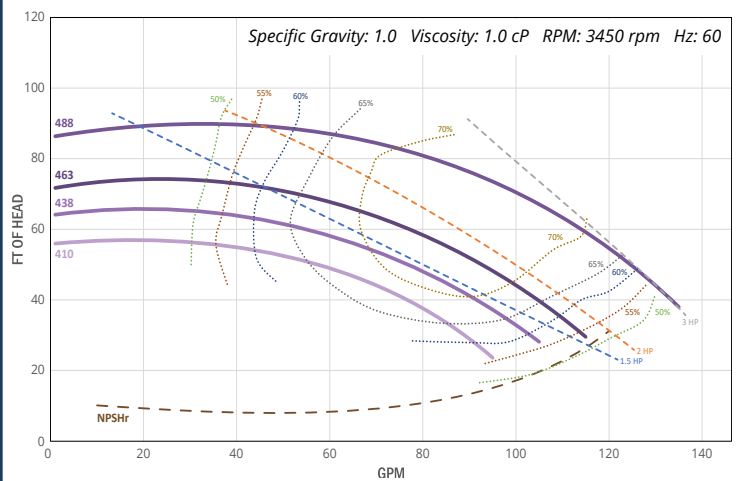
Inlet (FNPT) 1.5" Max Flow (GPM) 60 HP 0.5
 Outlet (MNPT) 1" Max Head. 46' Phase 1

MC10 SERIES



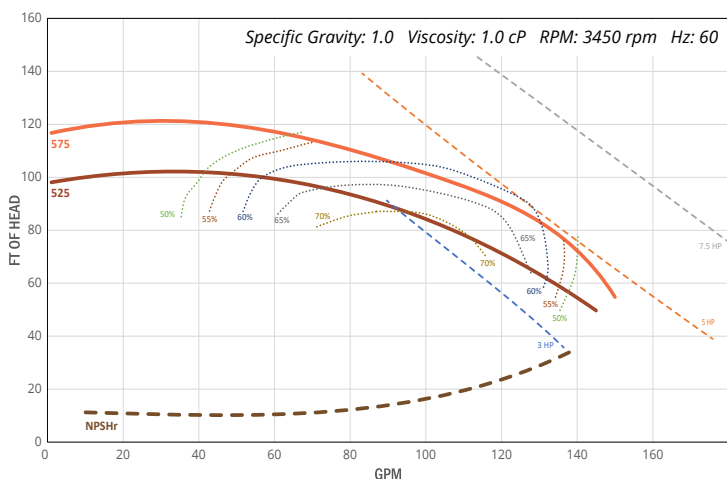
Inlet (FNPT) 1.5" Max Flow (GPM) 95 HP 0.5/1
 Outlet (MNPT) 1.5" Max Head. 59' Phase 1

MC13 SERIES



Inlet (FNPT) 2" Max Flow (GPM) ... 125 HP 1.5/2/3
 Outlet (MNPT) 1.5" Max Head. 90' Phase 1/3

MC15 SERIES



Inlet (FNPT) 2" Max Flow (GPM) ... 150 HP 5
 Outlet (MNPT) 2" Max Head. 121' Phase 3

MODEL NUMBER KEY

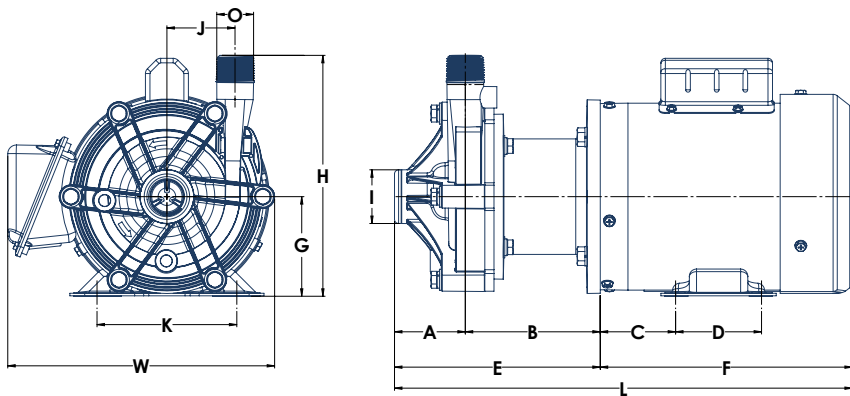
MC10-375-FC-M1-1.0T

A B CD E FG

- A. Family series
- B. Impeller curve
- C. Elastomers
- D. Bearing
- E. Motor voltage, phase, Hz
- F. Motor horsepower
- G. Motor enclosure

A	B	C	D	E	F	G
Model	Impeller	Elastomers	Bearings	Voltage	Motor HP (3600 RPM)	Enclosure
MC04	250, 340, 362, 390	F-FKM (standard)	C-Carbon graphite (standard)	M1-115/230V 1 Phase - 60 Hz	.33	T- TEFC painted (standard)
(1" x 1") NPT					.50	
MC06	350, 360		A-Alumina ceramic		M3-208-230/460V 3 Phase - 60 Hz	
(1.5" x 1") NPT		1.0				
MC10	338, 350, 375, 400	E-EPDM	S-Sintered SIC	MX-Specialty motor (consult factory)	1.5	W- Washdown stainless
(1.5" x 1.5") NPT					2.0	
MC13	410, 438, 463, 488	T-Teflon encapsulated Viton	R-Rulon filled PTFE	MX-Specialty motor (consult factory)	3.0	
(2" x 1.5") NPT					5.0	
MC15	525, 575		T-Teflon encapsulated Viton		R-Rulon filled PTFE	MX-Specialty motor (consult factory)
(2" x 2") NPT		10				
					15	

DIMENSIONS



I = Suction
O = Discharge
L/H/W = Envelope Dimensions

NOTES:

1. Dimensions are for reference only.
2. Do not use for construction purposes.

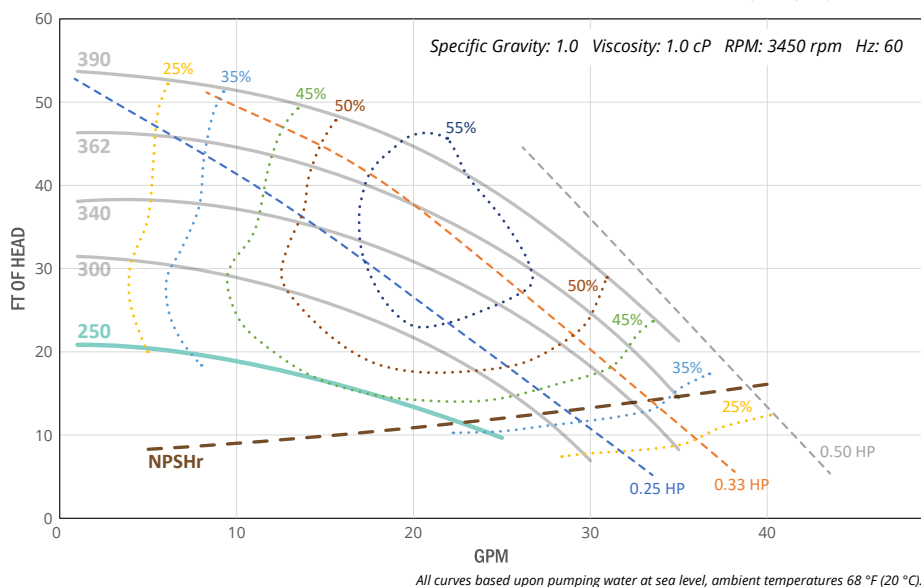
DIMENSIONS - INCHES															
Pump Model	Motor Frame	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
MC4	NEMA 56C	2.47	4.68	2.63	3	7.18	8.8	3.48	8.41	1	2.38	4.88	15.98	1	9.13
MC6	NEMA 56C	2.51	4.68	2.63	3	7.18	8.8	3.48	8.41	1.5	2.54	4.88	15.98	1	9.13
MC10	NEMA 56C	2.35	4.83	2.63	3	7.18	8.8	3.48	8.41	1.5	2.6	4.88	15.98	1.5	9.13
MC13	NEMA 145TC	3.06	5.5	2.85	4	8.61	12	4.70	10.45	2	3.37	5.5	20.61	1.5	10.12
MC15	NEMA 184TC	3.06	5.5	4.39	4.5/5.5	8.61	15.24	4.70	10.45	2	3.37	7.5	23.85	2	11.78

MC4-250

PERFORMANCE & DIMENSIONS

Inlet (FNPT)	1"	HP	0.5
Outlet (MNPT)	1"	Voltage	115/230
Max Flow (GPM)	28	Phase	1
Max Head	21'	Amps	6.2/3.1

Max. operating temperature: 180 °F



All curves based upon pumping water at sea level, ambient temperatures 68 °F (20 °C).

DIMENSIONS

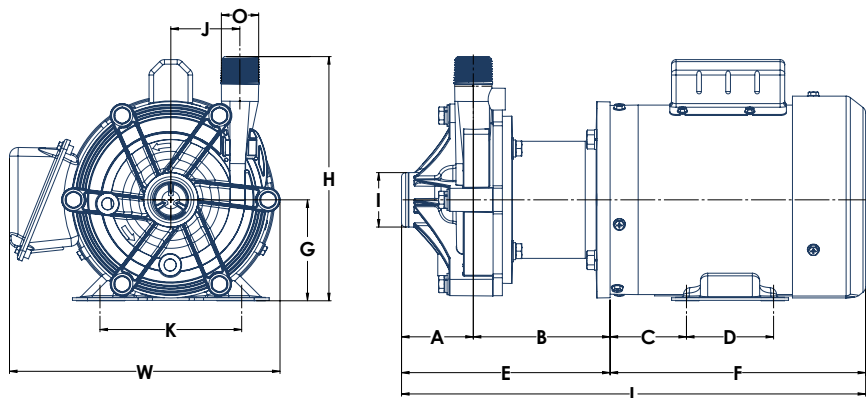


Diagram is for illustrative purposes. Dimensions are for reference only. Pump configurations may vary by model. Do not use for construction purposes.

I = Suction

O = Discharge

L/H/W = Envelope Dimensions

MOTOR FRAME	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
NEMA 56C	2.47	4.68	2.63	3	7.18	8.8	3.48	8.41	1	2.38	4.88	15.98	1	9.13

MOTOR DATA

RPM	ENCL	RATING	FRAME	S.F.	DUTY	FLA	INS CLASS	EFF	INVERTER READY	CONSTRUCTION
3450	TEFC	IP55	56C	1.15	Cont	6.2/3.1	F	63	Y	Steel painted

LIQUID END MATERIALS OF CONSTRUCTION

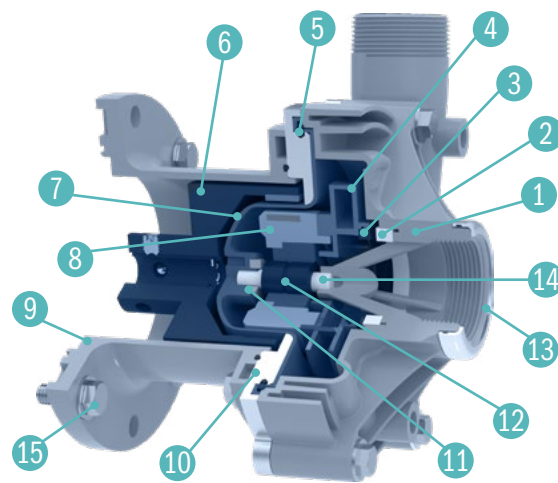


Diagram is for illustrative purposes. Pump configurations may vary by model.

DESCRIPTION	STANDARD
1 Front Pump Housing	GFRPP
2 Front Thrust Ring	Alumina ceramic
3 Impeller Thrust Ring	PTFE
4 Impeller	GFRPP
5 O-Rings	FKM
6 Outer Drive Magnet	Nd/epoxy-coated steel
7 Containment Shell	GFRPP
8 Inner Drive Magnet	Neodymium/PP
9 Motor Bracket	GFRPP
10 Pump Housing Support	316L stainless steel
11 Rear Thrust Ring	Silicon carbide
12 Bushing	Carbon graphite
13 Inlet Ring	316L stainless steel
14 Shaft	Alumina ceramic
15 Hardware	316 stainless steel

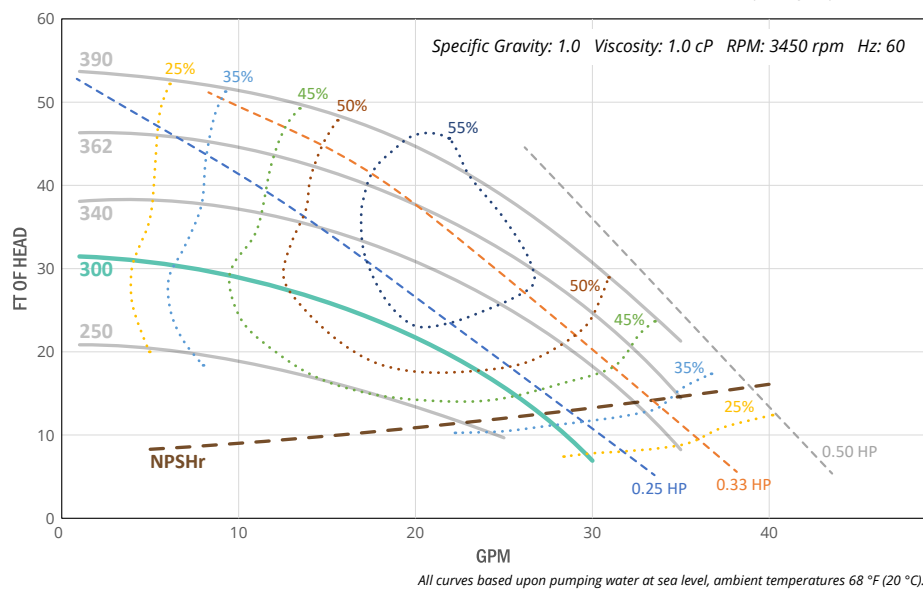
Additional materials of construction are available. Please refer to factory.

MC4-300

PERFORMANCE & DIMENSIONS

Inlet (FNPT)	1"	HP	0.5
Outlet (MNPT)	1"	Voltage	115/230
Max Flow (GPM)	30	Phase	1
Max Head	31'	Amps	6.2/3.1

Max. operating temperature: 180 °F



DIMENSIONS

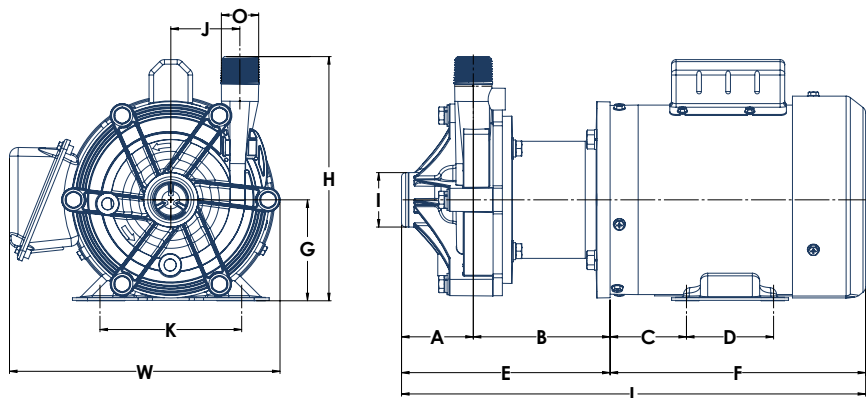


Diagram is for illustrative purposes. Dimensions are for reference only. Pump configurations may vary by model. Do not use for construction purposes.

LIQUID END MATERIALS OF CONSTRUCTION

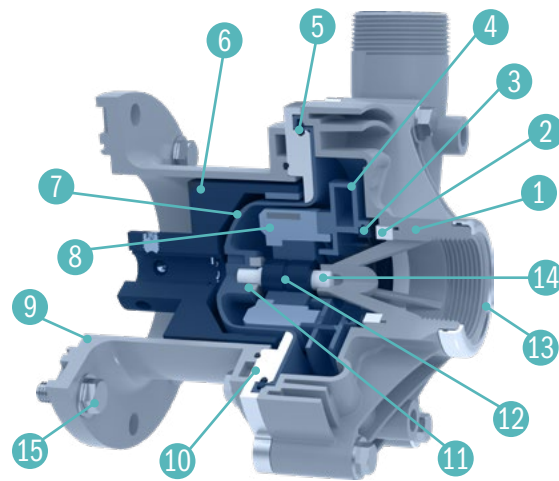


Diagram is for illustrative purposes. Pump configurations may vary by model.

DESCRIPTION	STANDARD
1 Front Pump Housing	GFRPP
2 Front Thrust Ring	Alumina ceramic
3 Impeller Thrust Ring	PTFE
4 Impeller	GFRPP
5 O-Rings	FKM
6 Outer Drive Magnet	Nd/epoxy-coated steel
7 Containment Shell	GFRPP
8 Inner Drive Magnet	Neodymium/PP
9 Motor Bracket	GFRPP
10 Pump Housing Support	316L stainless steel
11 Rear Thrust Ring	Silicon carbide
12 Bushing	Carbon graphite
13 Inlet Ring	316L stainless steel
14 Shaft	Alumina ceramic
15 Hardware	316 stainless steel

Additional materials of construction are available. Please refer to factory.

I = Suction

O = Discharge

L/H/W = Envelope Dimensions

MOTOR FRAME	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
NEMA 56C	2.47	4.68	2.63	3	7.18	8.8	3.48	8.41	1	2.38	4.88	15.98	1	9.13

MOTOR DATA

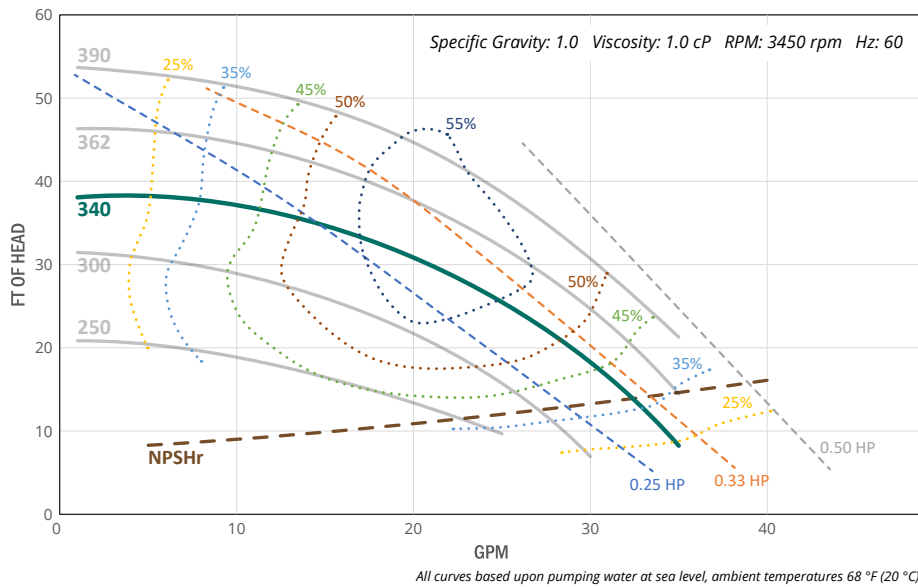
RPM	ENCL	RATING	FRAME	S.F.	DUTY	FLA	INS CLASS	EFF	INVERTER READY	CONSTRUCTION
3450	TEFC	IP55	56C	1.15	Cont	6.2/3.1	F	63	Y	Steel painted

MC4-340

PERFORMANCE & DIMENSIONS

Inlet (FNPT)	1"	HP	0.5
Outlet (MNPT)	1"	Voltage	115/230
Max Flow (GPM)	35	Phase	1
Max Head	38'	Amps	6.2/3.1

Max. operating temperature: 180 °F



DIMENSIONS

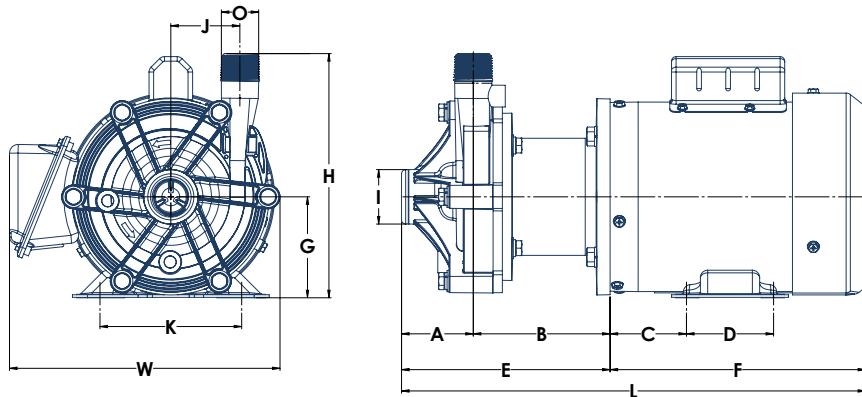


Diagram is for illustrative purposes. Dimensions are for reference only. Pump configurations may vary by model. Do not use for construction purposes.

I = Suction

O = Discharge

L/H/W = Envelope Dimensions

MOTOR FRAME	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
NEMA 56C	2.47	4.68	2.63	3	7.18	8.8	3.48	8.41	1	2.38	4.88	15.98	1	9.13

MOTOR DATA

RPM	ENCL	RATING	FRAME	S.F.	DUTY	FLA	INS CLASS	EFF	INVERTER READY	CONSTRUCTION
3450	TEFC	IP55	56C	1.15	Cont	6.2/3.1	F	63	Y	Steel painted

LIQUID END MATERIALS OF CONSTRUCTION

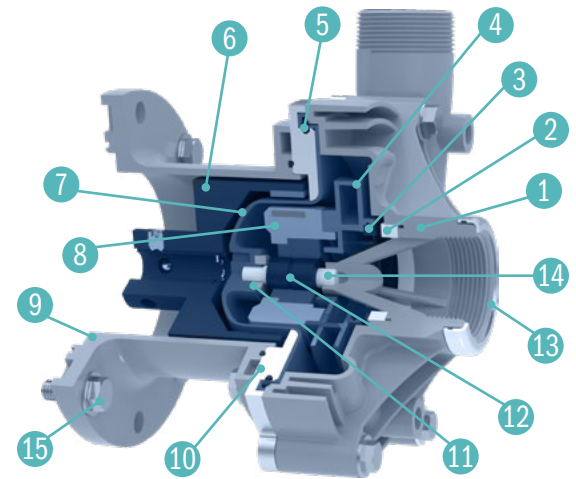


Diagram is for illustrative purposes. Pump configurations may vary by model.

DESCRIPTION	STANDARD
1 Front Pump Housing	GFRPP
2 Front Thrust Ring	Alumina ceramic
3 Impeller Thrust Ring	PTFE
4 Impeller	GFRPP
5 O-Rings	FKM
6 Outer Drive Magnet	Nd/epoxy-coated steel
7 Containment Shell	GFRPP
8 Inner Drive Magnet	Neodymium/PP
9 Motor Bracket	GFRPP
10 Pump Housing Support	316L stainless steel
11 Rear Thrust Ring	Silicon carbide
12 Bushing	Carbon graphite
13 Inlet Ring	316L stainless steel
14 Shaft	Alumina ceramic
15 Hardware	316 stainless steel

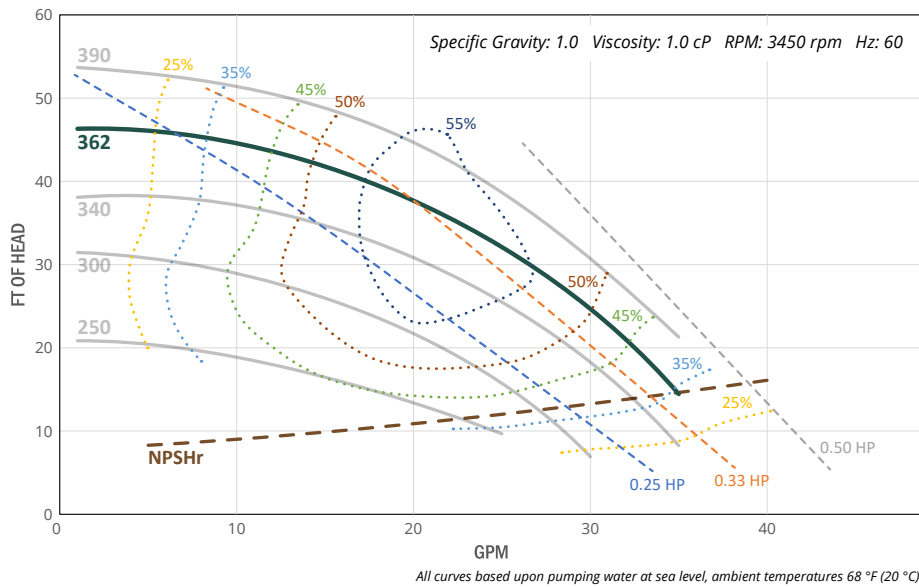
Additional materials of construction are available. Please refer to factory.

MC4-362

PERFORMANCE & DIMENSIONS

Inlet (FNPT)	1"	HP	0.5
Outlet (MNPT)	1"	Voltage	115/230
Max Flow (GPM)	37	Phase	1
Max Head	46'	Amps	6.2/3.1

Max. operating temperature: 180 °F



All curves based upon pumping water at sea level, ambient temperatures 68 °F (20 °C).

DIMENSIONS

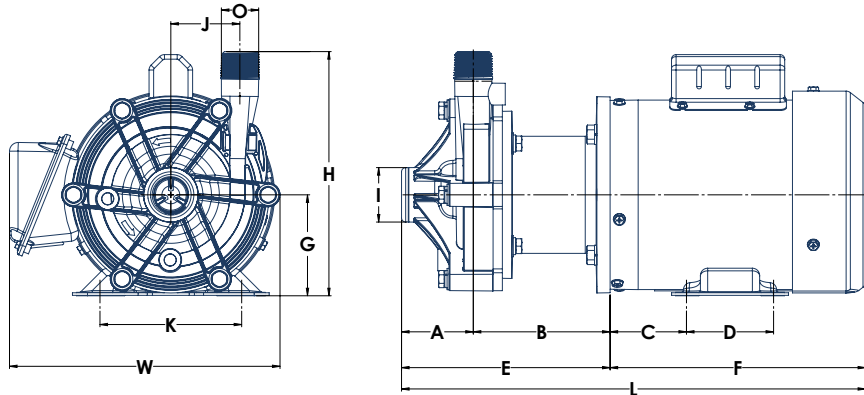


Diagram is for illustrative purposes. Dimensions are for reference only. Pump configurations may vary by model. Do not use for construction purposes.

I = Suction

O = Discharge

L/H/W = Envelope Dimensions

MOTOR FRAME	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
NEMA 56C	2.47	4.68	2.63	3	7.18	8.8	3.48	8.41	1	2.38	4.88	15.98	1	9.13

MOTOR DATA

RPM	ENCL	RATING	FRAME	S.F.	DUTY	FLA	INS CLASS	EFF	INVERTER READY	CONSTRUCTION
3450	TEFC	IP55	56C	1.15	Cont	6.2/3.1	F	63	Y	Steel painted

LIQUID END MATERIALS OF CONSTRUCTION

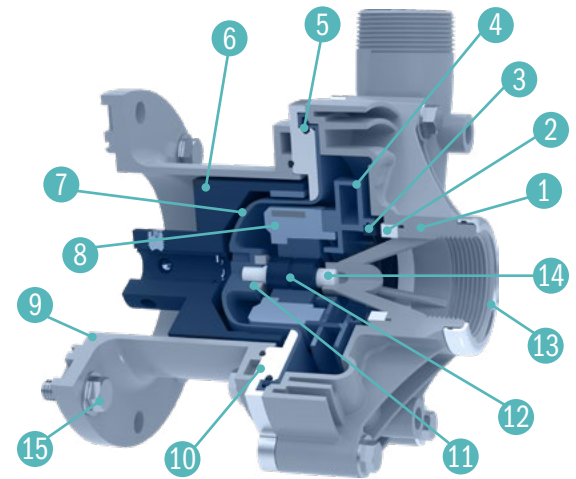


Diagram is for illustrative purposes. Pump configurations may vary by model.

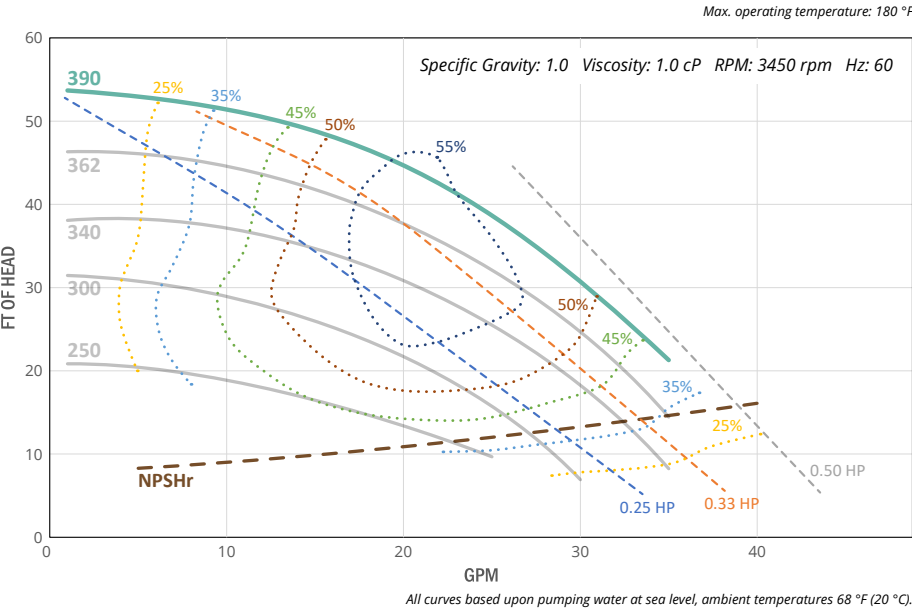
DESCRIPTION	STANDARD
1 Front Pump Housing	GFRPP
2 Front Thrust Ring	Alumina ceramic
3 Impeller Thrust Ring	PTFE
4 Impeller	GFRPP
5 O-Rings	FKM
6 Outer Drive Magnet	Nd/epoxy-coated steel
7 Containment Shell	GFRPP
8 Inner Drive Magnet	Neodymium/PP
9 Motor Bracket	GFRPP
10 Pump Housing Support	316L stainless steel
11 Rear Thrust Ring	Silicon carbide
12 Bushing	Carbon graphite
13 Inlet Ring	316L stainless steel
14 Shaft	Alumina ceramic
15 Hardware	316 stainless steel

Additional materials of construction are available. Please refer to factory.

MC4-390

PERFORMANCE & DIMENSIONS

Inlet (FNPT)	1"	HP	0.5
Outlet (MNPT).....	1"	Voltage.....	115/230
Max Flow (GPM)	40	Phase	1
Max Head	54'	Amps	6.2/3.1



DIMENSIONS

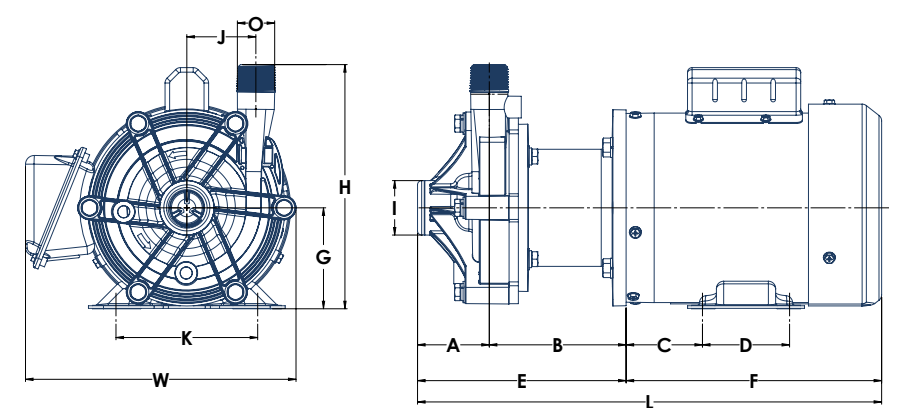


Diagram is for illustrative purposes. Dimensions are for reference only. Pump configurations may vary by model. Do not use for construction purposes.

I = Suction	O = Discharge	L/H/W = Envelope Dimensions
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MOTOR FRAME	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
NEMA 56C	2.47	4.68	2.63	3	7.18	8.8	3.48	8.41	1	2.38	4.88	15.98	1	9.13

MOTOR DATA

RPM	ENCL	RATING	FRAME	S.F.	DUTY	FLA	INS CLASS	EFF	INVERTER READY	CONSTRUCTION
3450	TEFC	IP55	56C	1.15	Cont	6.2/3.1	F	63	Y	Steel painted

LIQUID END MATERIALS OF CONSTRUCTION

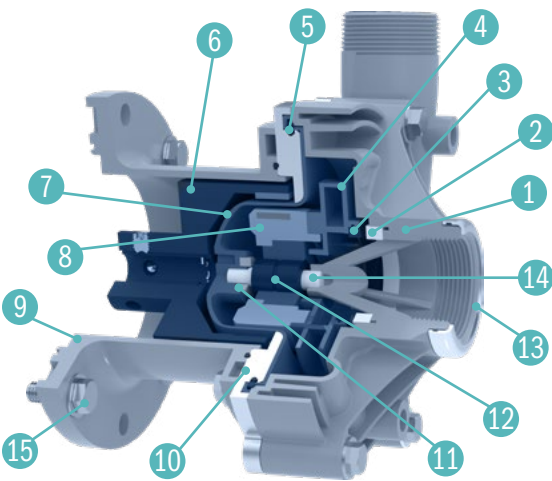


Diagram is for illustrative purposes. Pump configurations may vary by model.

DESCRIPTION	STANDARD
1 Front Pump Housing	GFRPP
2 Front Thrust Ring	Alumina ceramic
3 Impeller Thrust Ring	PTFE
4 Impeller	GFRPP
5 O-Rings	FKM
6 Outer Drive Magnet	Nd/epoxy-coated steel
7 Containment Shell	GFRPP
8 Inner Drive Magnet	Neodymium/PP
9 Motor Bracket	GFRPP
10 Pump Housing Support	316L stainless steel
11 Rear Thrust Ring	Silicon carbide
12 Bushing	Carbon graphite
13 Inlet Ring	316L stainless steel
14 Shaft	Alumina ceramic
15 Hardware	316 stainless steel

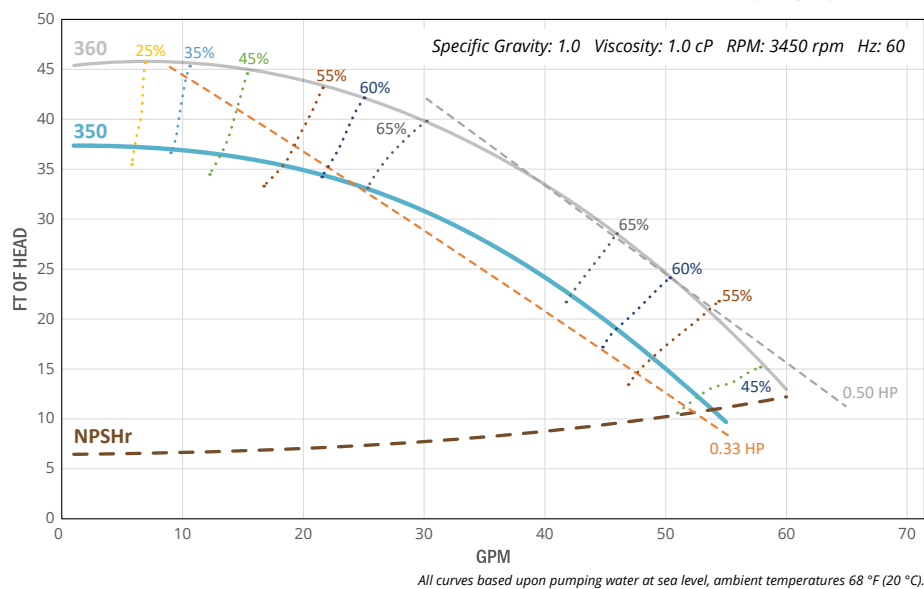
Additional materials of construction are available. Please refer to factory.

MC6-350

PERFORMANCE & DIMENSIONS

Inlet (FNPT)	1.5"	HP	0.5
Outlet (MNPT).....	1"	Voltage	115/230
Max Flow (GPM)	55	Phase	1
Max Head	37'	Amps	6.2/3.1

Max. operating temperature: 180 °F



DIMENSIONS

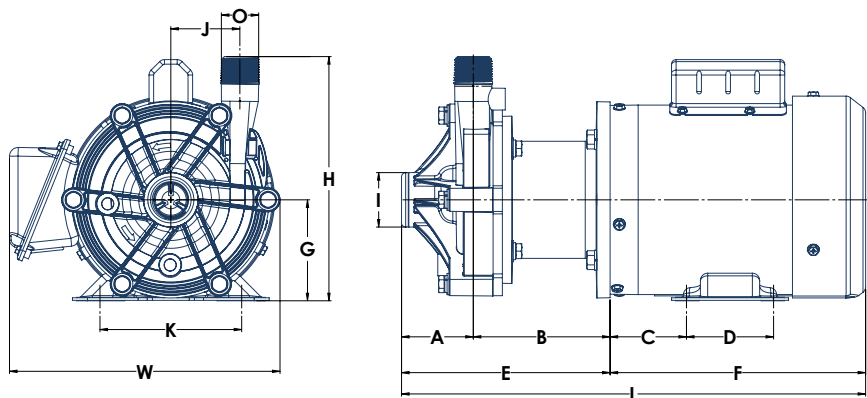


Diagram is for illustrative purposes. Dimensions are for reference only. Pump configurations may vary by model. Do not use for construction purposes.

I = Suction

O = Discharge

L/H/W = Envelope Dimensions

MOTOR FRAME	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
NEMA 56C	2.51	4.68	2.63	3	7.18	8.8	3.48	8.41	1.5	2.54	4.88	15.98	1	9.13

MOTOR DATA

RPM	ENCL	RATING	FRAME	S.F.	DUTY	FLA	INS CLASS	EFF	INVERTER READY	CONSTRUCTION
3450	TEFC	IP55	56C	1.15	Cont	6.2/3.1	F	63	Y	Steel painted

LIQUID END MATERIALS OF CONSTRUCTION

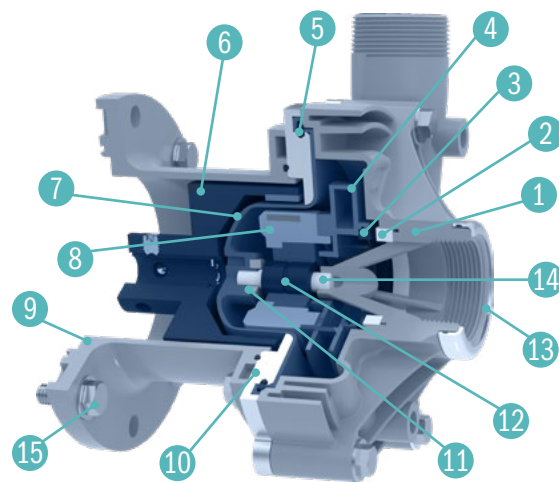


Diagram is for illustrative purposes. Pump configurations may vary by model.

DESCRIPTION	STANDARD
1 Front Pump Housing	GFRPP
2 Front Thrust Ring	Alumina ceramic
3 Impeller Thrust Ring	PTFE
4 Impeller	GFRPP
5 O-Rings	FKM
6 Outer Drive Magnet	Nd/epoxy-coated steel
7 Containment Shell	GFRPP
8 Inner Drive Magnet	Neodymium/PP
9 Motor Bracket	GFRPP
10 Pump Housing Support	316L stainless steel
11 Rear Thrust Ring	Silicon carbide
12 Bushing	Carbon graphite
13 Inlet Ring	316L stainless steel
14 Shaft	Alumina ceramic
15 Hardware	316 stainless steel

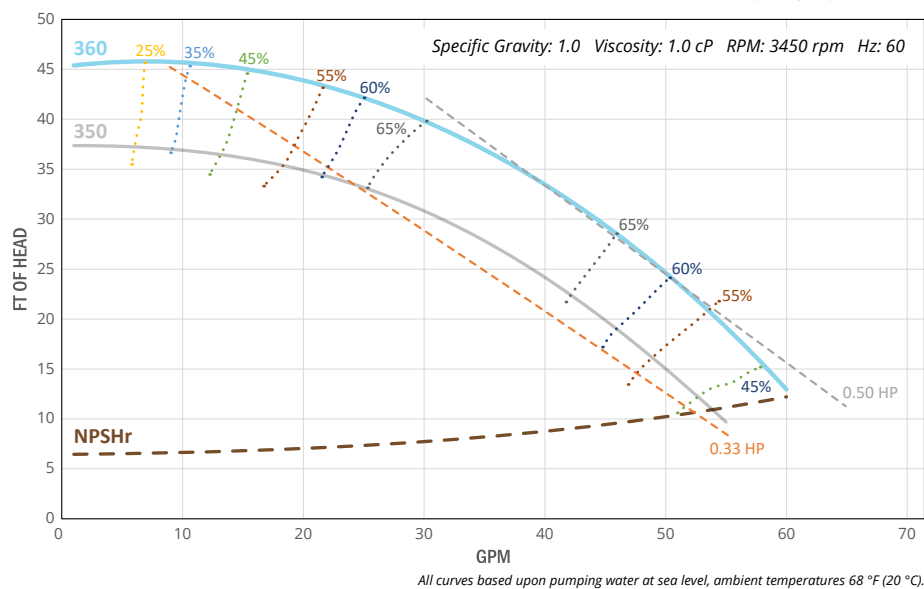
Additional materials of construction are available. Please refer to factory.

MC6-360

PERFORMANCE & DIMENSIONS

Inlet (FNPT)	1.5"	HP	0.5
Outlet (MNPT)	1"	Voltage	115/230
Max Flow (GPM)	60	Phase	1
Max Head	46'	Amps	6.2/3.1

Max. operating temperature: 180 °F



DIMENSIONS

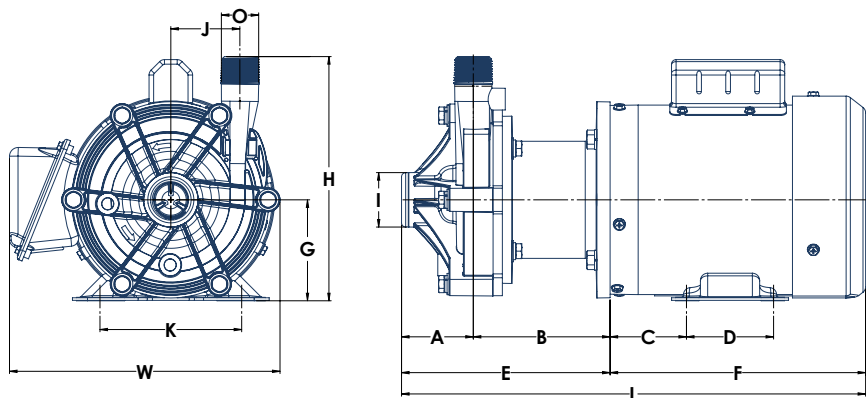


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L/H/W = Envelope Dimensions

MOTOR FRAME	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
NEMA 56C	2.51	4.68	2.63	3	7.18	8.8	3.48	8.41	1.5	2.54	4.88	15.98	1	9.13

MOTOR DATA

RPM	ENCL	RATING	FRAME	S.F.	DUTY	FLA	INS CLASS	EFF	INVERTER READY	CONSTRUCTION
3450	TEFC	IP55	56C	1.15	Cont	6.2/3.1	F	63	Y	Steel painted

LIQUID END MATERIALS OF CONSTRUCTION

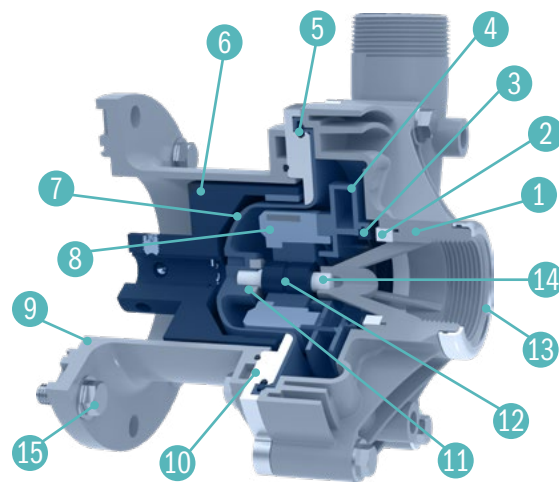


Diagram is for illustrative purposes. Pump configurations may vary by model.

DESCRIPTION	STANDARD
1 Front Pump Housing	GFRPP
2 Front Thrust Ring	Alumina ceramic
3 Impeller Thrust Ring	PTFE
4 Impeller	GFRPP
5 O-Rings	FKM
6 Outer Drive Magnet	Nd/epoxy-coated steel
7 Containment Shell	GFRPP
8 Inner Drive Magnet	Neodymium/PP
9 Motor Bracket	GFRPP
10 Pump Housing Support	316L stainless steel
11 Rear Thrust Ring	Silicon carbide
12 Bushing	Carbon graphite
13 Inlet Ring	316L stainless steel
14 Shaft	Alumina ceramic
15 Hardware	316 stainless steel

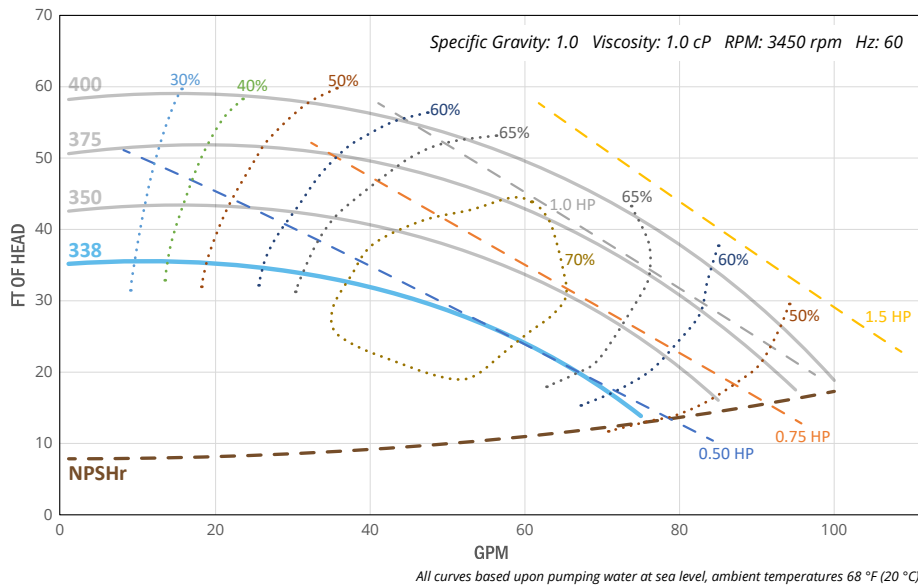
Additional materials of construction are available. Please refer to factory.

MC10-338

PERFORMANCE & DIMENSIONS

Inlet (FNPT)	1.5"	HP	0.5
Outlet (MNPT).....	1.5"	Voltage	115/230
Max Flow (GPM)	75	Phase	1
Max Head	35'	Amps	6.2/3.1

Max. operating temperature: 180 °F



DIMENSIONS

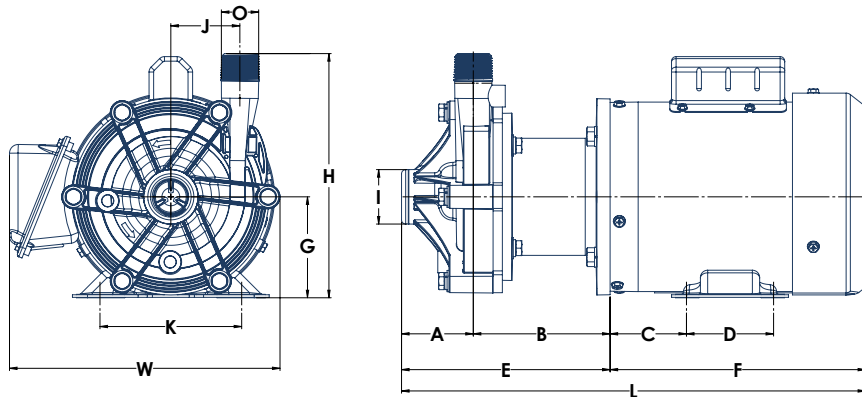


Diagram is for illustrative purposes. Dimensions are for reference only. Pump configurations may vary by model. Do not use for construction purposes.

LIQUID END MATERIALS OF CONSTRUCTION

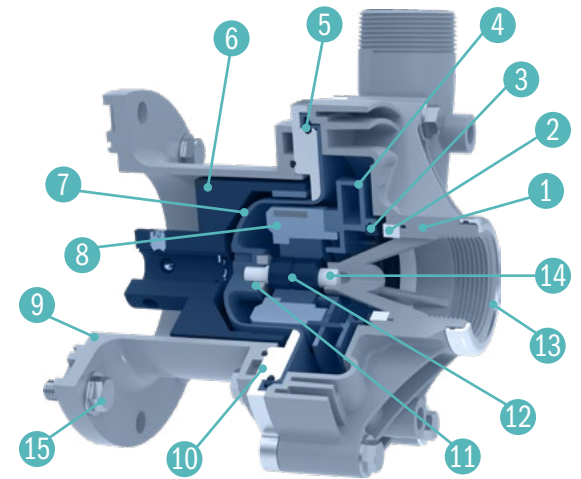


Diagram is for illustrative purposes. Pump configurations may vary by model.

DESCRIPTION	STANDARD
1 Front Pump Housing	GFRPP
2 Front Thrust Ring	Alumina ceramic
3 Impeller Thrust Ring	PTFE
4 Impeller	GFRPP
5 O-Rings	FKM
6 Outer Drive Magnet	Nd/epoxy-coated steel
7 Containment Shell	GFRPP
8 Inner Drive Magnet	Neodymium/PP
9 Motor Bracket	GFRPP
10 Pump Housing Support	316L stainless steel
11 Rear Thrust Ring	Silicon carbide
12 Bushing	Carbon graphite
13 Inlet Ring	316L stainless steel
14 Shaft	Alumina ceramic
15 Hardware	316 stainless steel

Additional materials of construction are available. Please refer to factory.

I = Suction O = Discharge L/H/W = Envelope Dimensions

MOTOR FRAME	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
NEMA 56C	2.35	4.83	2.63	3	7.18	8.8	3.48	8.41	1.5	2.6	4.88	15.98	1.5	9.13

MOTOR DATA

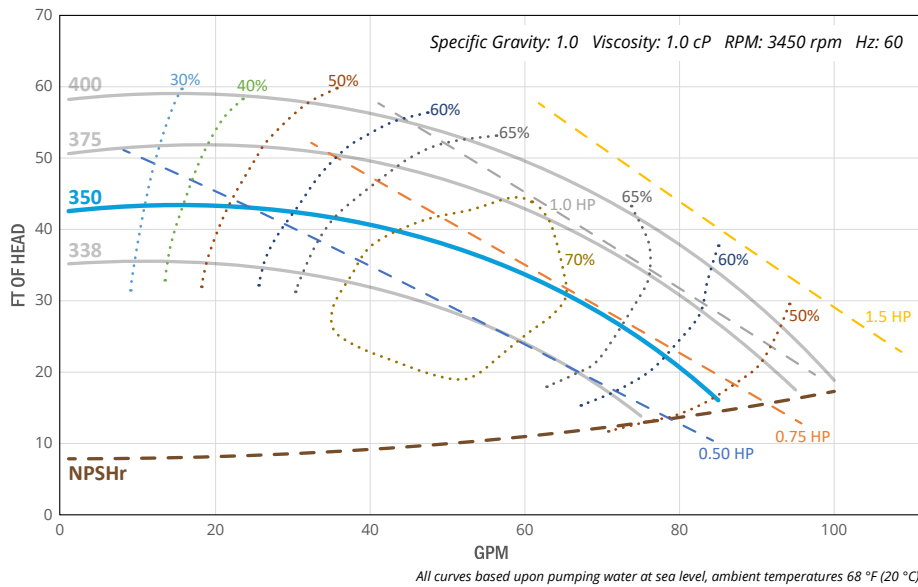
RPM	ENCL	RATING	FRAME	S.F.	DUTY	FLA	INS CLASS	EFF	INVERTER READY	CONSTRUCTION
3450	TEFC	IP55	56C	1.15	Cont	6.2/3.1	F	63	Y	Steel painted

MC10-350

PERFORMANCE & DIMENSIONS

Inlet (FNPT)	1.5"	HP	1
Outlet (MNPT).....	1.5"	Voltage	115/230
Max Flow (GPM)	85	Phase	1
Max Head	43'	Amps	12.4/6.2

Max. operating temperature: 180 °F



DIMENSIONS

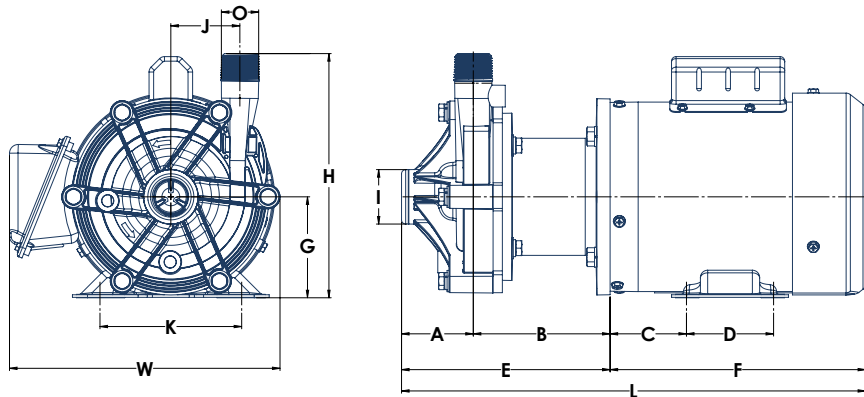


Diagram is for illustrative purposes. Dimensions are for reference only. Pump configurations may vary by model. Do not use for construction purposes.

I = Suction

O = Discharge

L/H/W = Envelope Dimensions

MOTOR FRAME	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
NEMA 56C	2.35	4.83	2.63	3	7.18	8.8	3.48	8.41	1.5	2.6	4.88	15.98	1.5	9.13

MOTOR DATA

RPM	ENCL	RATING	FRAME	S.F.	DUTY	FLA	INS CLASS	EFF	INVERTER READY	CONSTRUCTION
3450	TEFC	IP55	56C	1.15	Cont	12.4/6.2	F	64	Y	Steel painted

LIQUID END MATERIALS OF CONSTRUCTION

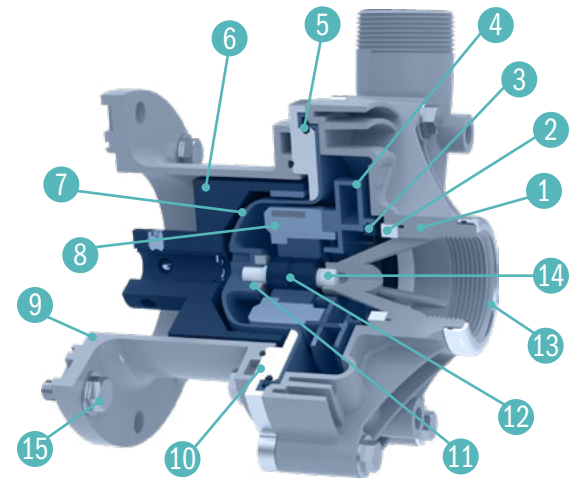


Diagram is for illustrative purposes. Pump configurations may vary by model.

DESCRIPTION	STANDARD
1 Front Pump Housing	GFRPP
2 Front Thrust Ring	Alumina ceramic
3 Impeller Thrust Ring	PTFE
4 Impeller	GFRPP
5 O-Rings	FKM
6 Outer Drive Magnet	Nd/epoxy-coated steel
7 Containment Shell	GFRPP
8 Inner Drive Magnet	Neodymium/PP
9 Motor Bracket	GFRPP
10 Pump Housing Support	316L stainless steel
11 Rear Thrust Ring	Silicon carbide
12 Bushing	Carbon graphite
13 Inlet Ring	316L stainless steel
14 Shaft	Alumina ceramic
15 Hardware	316 stainless steel

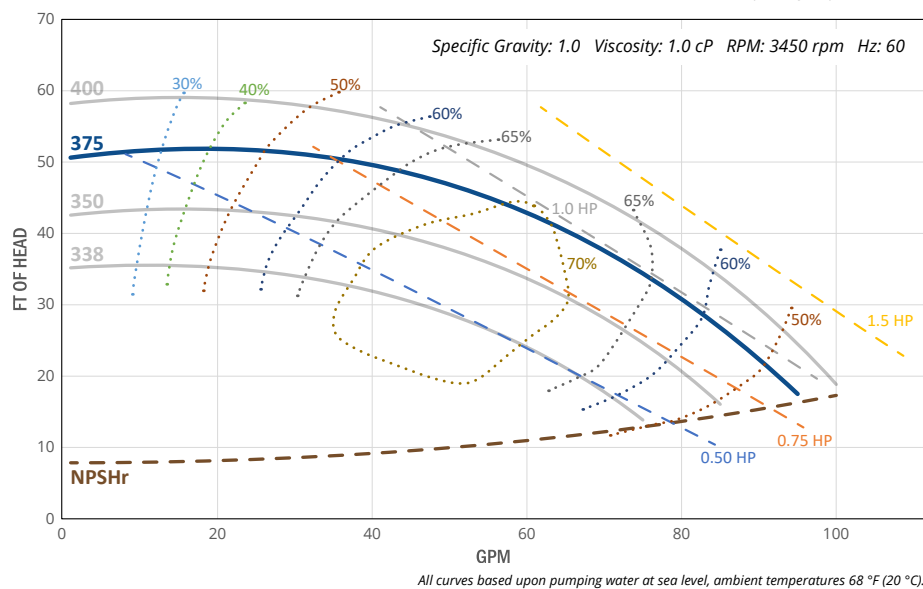
Additional materials of construction are available. Please refer to factory.

MC10-375

PERFORMANCE & DIMENSIONS

Inlet (FNPT)	1.5"	HP	1
Outlet (MNPT).....	1.5"	Voltage	115/230
Max Flow (GPM)	90	Phase	1
Max Head	52'	Amps	12.4/6.2

Max. operating temperature: 180 °F



DIMENSIONS

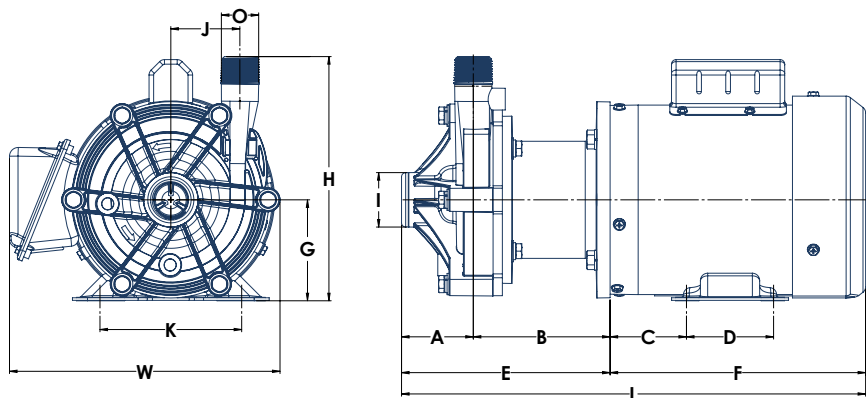


Diagram is for illustrative purposes. Dimensions are for reference only. Pump configurations may vary by model. Do not use for construction purposes.

LIQUID END MATERIALS OF CONSTRUCTION

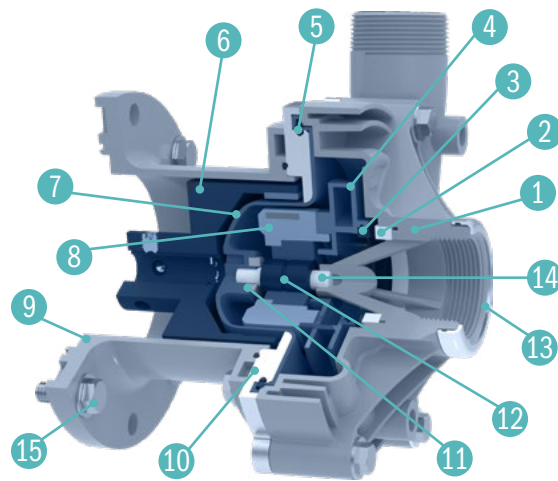


Diagram is for illustrative purposes. Pump configurations may vary by model.

DESCRIPTION	STANDARD
1 Front Pump Housing	GFRPP
2 Front Thrust Ring	Alumina ceramic
3 Impeller Thrust Ring	PTFE
4 Impeller	GFRPP
5 O-Rings	FKM
6 Outer Drive Magnet	Nd/epoxy-coated steel
7 Containment Shell	GFRPP
8 Inner Drive Magnet	Neodymium/PP
9 Motor Bracket	GFRPP
10 Pump Housing Support	316L stainless steel
11 Rear Thrust Ring	Silicon carbide
12 Bushing	Carbon graphite
13 Inlet Ring	316L stainless steel
14 Shaft	Alumina ceramic
15 Hardware	316 stainless steel

Additional materials of construction are available. Please refer to factory.

I = Suction

O = Discharge

L/H/W = Envelope Dimensions

MOTOR FRAME	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
NEMA 56C	2.35	4.83	2.63	3	7.18	8.8	3.48	8.41	1.5	2.6	4.88	15.98	1.5	9.13

MOTOR DATA

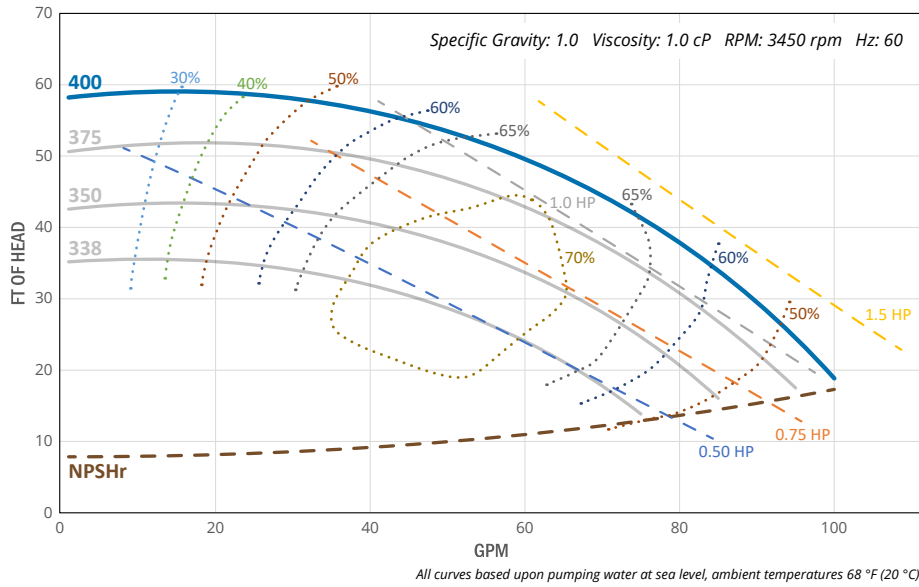
RPM	ENCL	RATING	FRAME	S.F.	DUTY	FLA	INS CLASS	EFF	INVERTER READY	CONSTRUCTION
3450	TEFC	IP55	56C	1.15	Cont	12.4/6.2	F	64	Y	Steel painted

MC10-400

PERFORMANCE & DIMENSIONS

Inlet (FNPT)	1.5"	HP	1
Outlet (MNPT)	1.5"	Voltage	115/230
Max Flow (GPM)	95	Phase	1
Max Head	59'	Amps	12.4/6.2

Max. operating temperature: 180 °F



All curves based upon pumping water at sea level, ambient temperatures 68 °F (20 °C).

DIMENSIONS

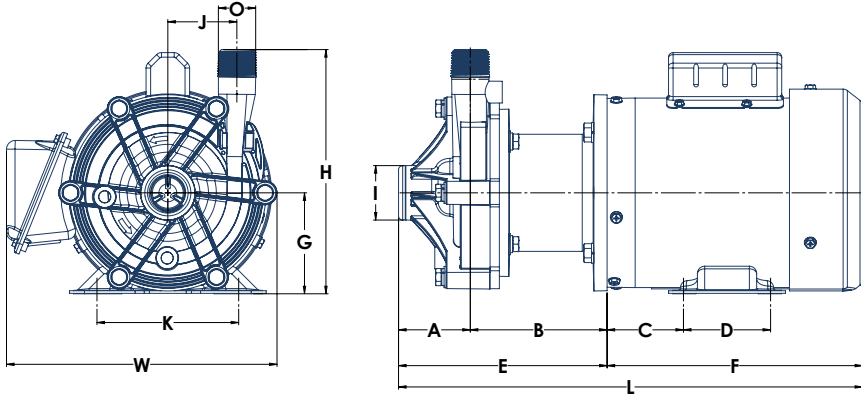


Diagram is for illustrative purposes. Dimensions are for reference only. Pump configurations may vary by model. Do not use for construction purposes.

I = Suction

O = Discharge

L/H/W = Envelope Dimensions

MOTOR FRAME	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
NEMA 56C	2.35	4.83	2.63	3	7.18	8.8	3.48	8.41	1.5	2.6	4.88	15.98	1.5	9.13

MOTOR DATA

RPM	ENCL	RATING	FRAME	S.F.	DUTY	FLA	INS CLASS	EFF	INVERTER READY	CONSTRUCTION
3450	TEFC	IP55	56C	1.15	Cont	12.4/6.2	F	64	Y	Steel painted

LIQUID END MATERIALS OF CONSTRUCTION

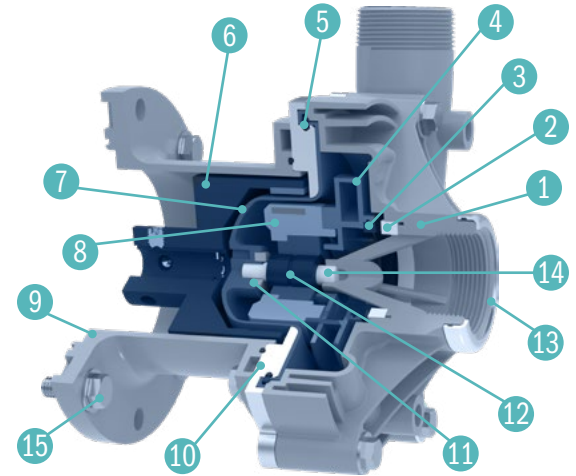


Diagram is for illustrative purposes. Pump configurations may vary by model.

DESCRIPTION	STANDARD
1 Front Pump Housing	GFRPP
2 Front Thrust Ring	Alumina ceramic
3 Impeller Thrust Ring	PTFE
4 Impeller	GFRPP
5 O-Rings	FKM
6 Outer Drive Magnet	Nd/epoxy-coated steel
7 Containment Shell	GFRPP
8 Inner Drive Magnet	Neodymium/PP
9 Motor Bracket	GFRPP
10 Pump Housing Support	316L stainless steel
11 Rear Thrust Ring	Silicon carbide
12 Bushing	Carbon graphite
13 Inlet Ring	316L stainless steel
14 Shaft	Alumina ceramic
15 Hardware	316 stainless steel

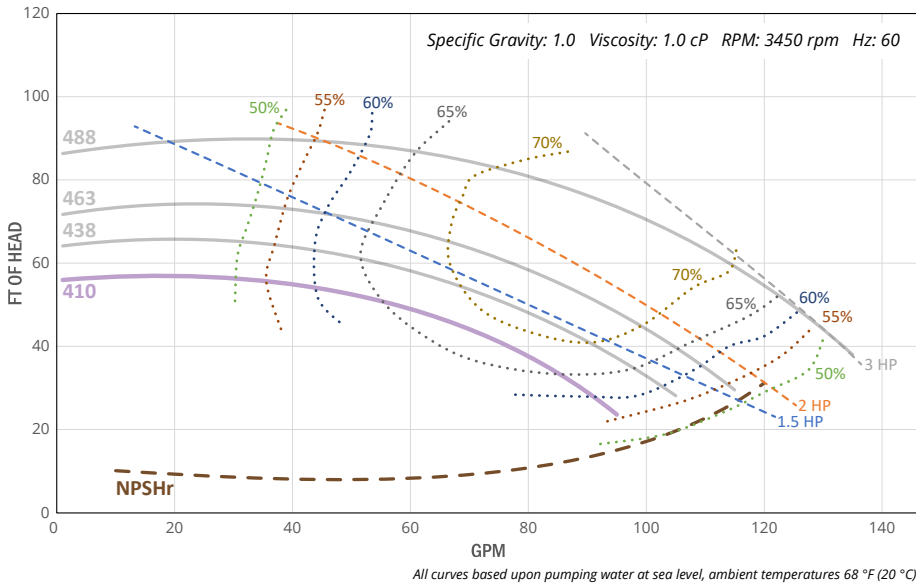
Additional materials of construction are available. Please refer to factory.

MC13-410

PERFORMANCE & DIMENSIONS

Inlet (FNPT)	2"	HP	1.5
Outlet (MNPT).....	1.5"	Voltage	115/230
Max Flow (GPM)	95	Phase	1
Max Head	57'	Amps	17.4/8.7

Max. operating temperature: 180 °F



DIMENSIONS

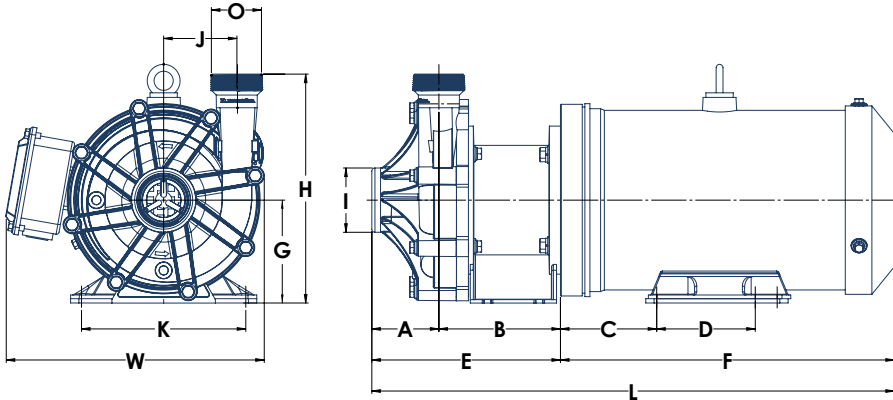


Diagram is for illustrative purposes. Dimensions are for reference only. Pump configurations may vary by model. Do not use for construction purposes.

I = Suction

O = Discharge

L/H/W = Envelope Dimensions

MOTOR FRAME	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
NEMA 145TC	3.06	5.5	2.85	4	8.61	12	4.70	10.45	2	3.37	5.5	20.61	1.5	10.12

MOTOR DATA

RPM	ENCL	RATING	FRAME	S.F.	DUTY	FLA	INS CLASS	EFF	INVERTER READY	CONSTRUCTION
3450	TEFC	IP55	145TC	1.15	Cont	17.4/8.7	F	66	Y	Steel painted

LIQUID END MATERIALS OF CONSTRUCTION

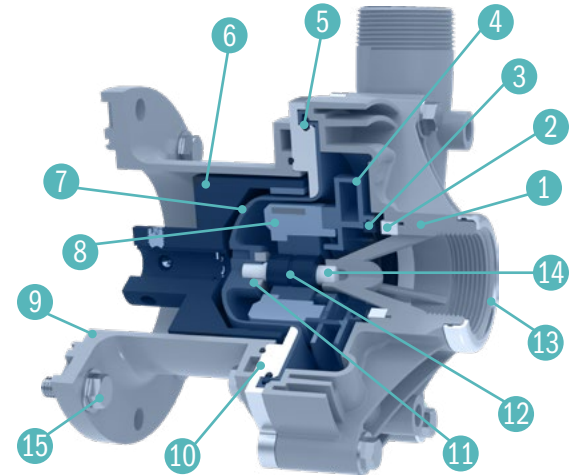


Diagram is for illustrative purposes. Pump configurations may vary by model.

DESCRIPTION	STANDARD
1 Front Pump Housing	GFRPP
2 Front Thrust Ring	Alumina ceramic
3 Impeller Thrust Ring	PTFE
4 Impeller	GFRPP
5 O-Rings	FKM
6 Outer Drive Magnet	Nd/epoxy-coated steel
7 Containment Shell	GFRPP
8 Inner Drive Magnet	Neodymium/PP
9 Motor Bracket	GFRPP
10 Pump Housing Support	316L stainless steel
11 Rear Thrust Ring	Alumina ceramic
12 Bushing	Carbon graphite
13 Inlet Ring	316L stainless steel
14 Shaft	Alumina ceramic
15 Hardware	316 stainless steel

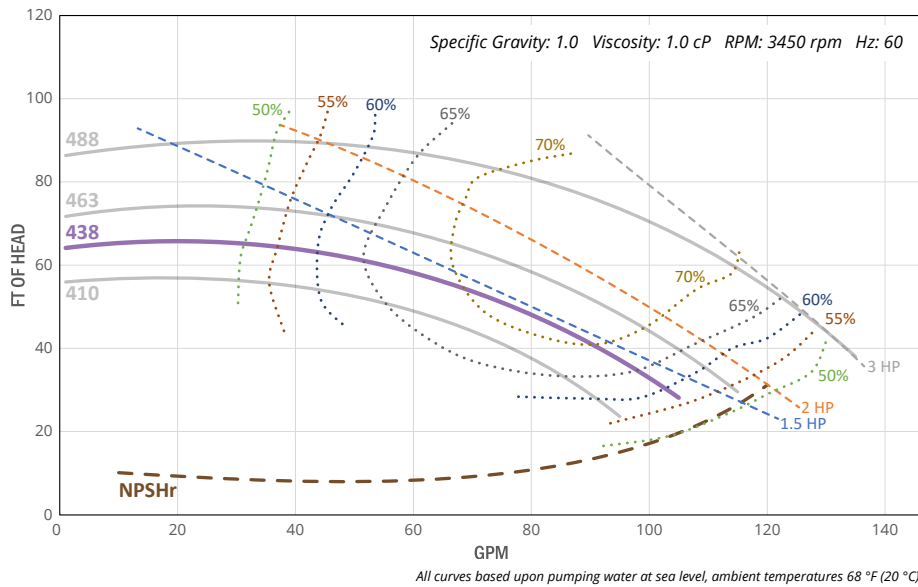
Additional materials of construction are available. Please refer to factory.

MC13-438

PERFORMANCE & DIMENSIONS

Inlet (FNPT)	2"	HP	1.5
Outlet (MNPT).....	1.5"	Voltage	115/230
Max Flow (GPM)	105	Phase	1
Max Head	65'	Amps	17.4/8.7

Max. operating temperature: 180 °F



DIMENSIONS

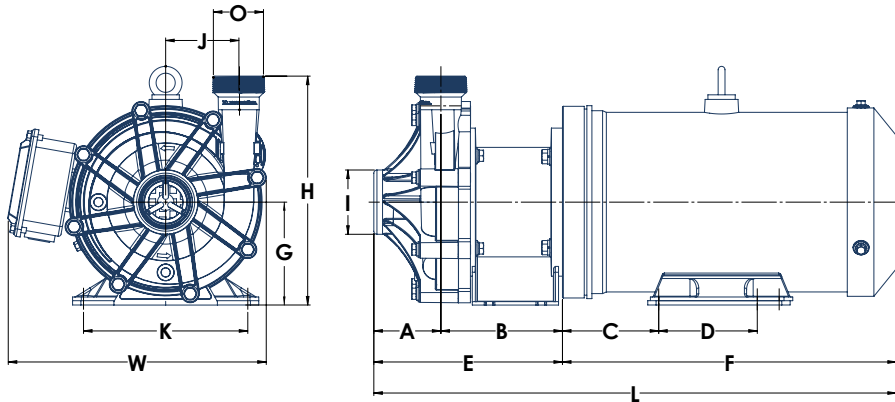


Diagram is for illustrative purposes. Dimensions are for reference only. Pump configurations may vary by model. Do not use for construction purposes.

LIQUID END MATERIALS OF CONSTRUCTION

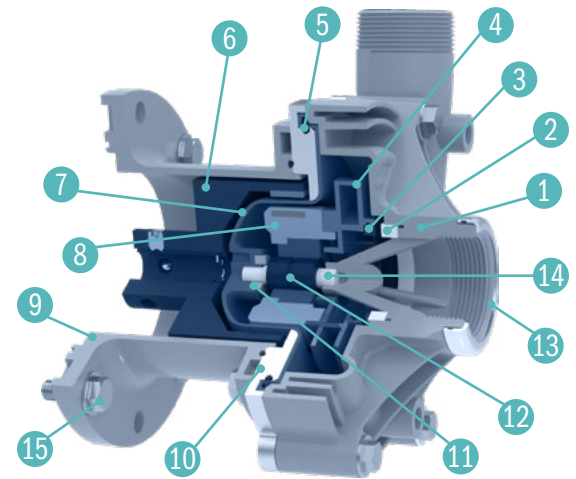


Diagram is for illustrative purposes. Pump configurations may vary by model.

DESCRIPTION	STANDARD
1 Front Pump Housing	GFRPP
2 Front Thrust Ring	Alumina ceramic
3 Impeller Thrust Ring	PTFE
4 Impeller	GFRPP
5 O-Rings	FKM
6 Outer Drive Magnet	Nd/epoxy-coated steel
7 Containment Shell	GFRPP
8 Inner Drive Magnet	Neodymium/PP
9 Motor Bracket	GFRPP
10 Pump Housing Support	316L stainless steel
11 Rear Thrust Ring	Alumina ceramic
12 Bushing	Carbon graphite
13 Inlet Ring	316L stainless steel
14 Shaft	Alumina ceramic
15 Hardware	316 stainless steel

Additional materials of construction are available. Please refer to factory.

I = Suction O = Discharge L/H/W = Envelope Dimensions

MOTOR FRAME	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
NEMA 145TC	3.06	5.5	2.85	4	8.61	12	4.70	10.45	2	3.37	5.5	20.61	1.5	10.12

MOTOR DATA

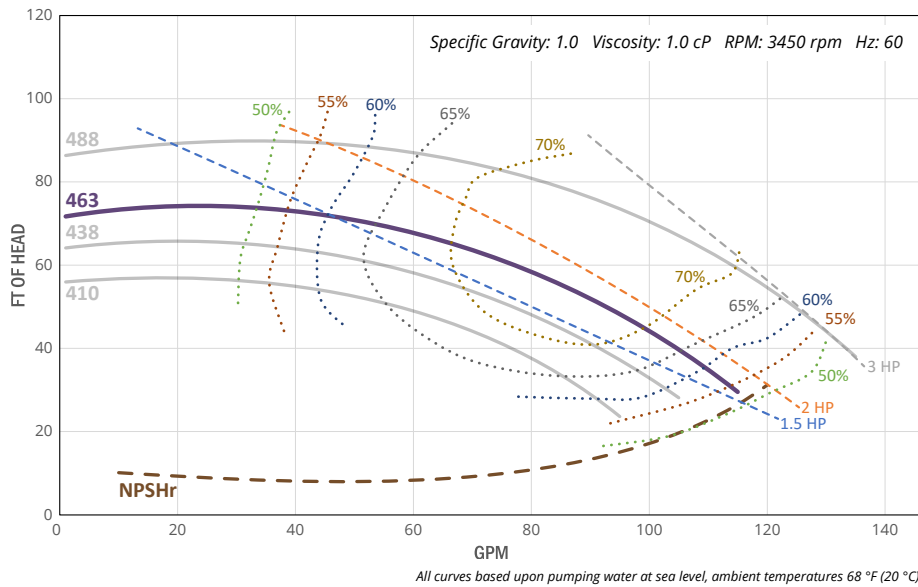
RPM	ENCL	RATING	FRAME	S.F.	DUTY	FLA	INS CLASS	EFF	INVERTER READY	CONSTRUCTION
3450	TEFC	IP55	145TC	1.15	Cont	17.4/8.7	F	66	Y	Steel painted

MC13-463

PERFORMANCE & DIMENSIONS

Inlet (FNPT)	2"	HP	2
Outlet (MNPT).....	1.5"	Voltage	115/230
Max Flow (GPM)	115	Phase	1
Max Head	74'	Amps	21.6/10.8

Max. operating temperature: 180 °F



DIMENSIONS

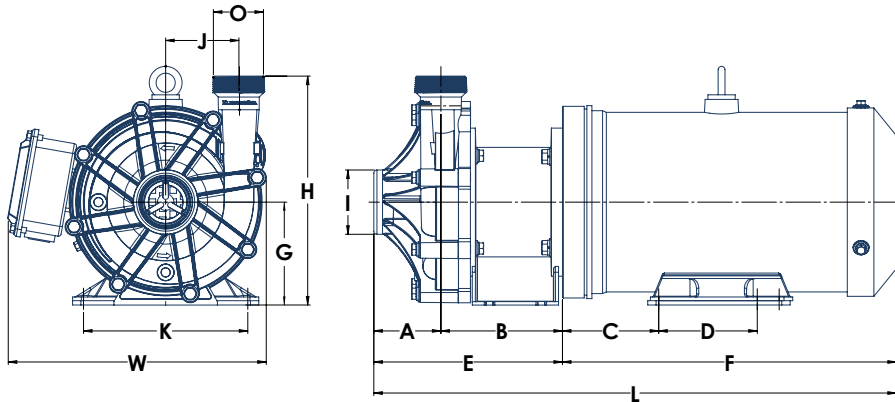


Diagram is for illustrative purposes. Dimensions are for reference only. Pump configurations may vary by model. Do not use for construction purposes.

I = Suction

O = Discharge

L/H/W = Envelope Dimensions

MOTOR FRAME	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
NEMA 145TC	3.06	5.5	2.85	4	8.61	12	4.70	10.45	2	3.37	5.5	20.61	1.5	10.12

MOTOR DATA

RPM	ENCL	RATING	FRAME	S.F.	DUTY	FLA	INS CLASS	EFF	INVERTER READY	CONSTRUCTION
3450	TEFC	IP55	145TC	1.15	Cont	21.6/10.8	F	72	Y	Steel painted

LIQUID END MATERIALS OF CONSTRUCTION

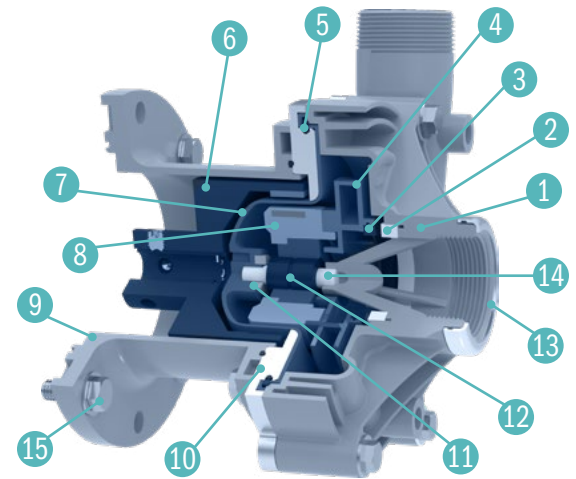


Diagram is for illustrative purposes. Pump configurations may vary by model.

DESCRIPTION	STANDARD
1 Front Pump Housing	GFRPP
2 Front Thrust Ring	Alumina ceramic
3 Impeller Thrust Ring	PTFE
4 Impeller	GFRPP
5 O-Rings	FKM
6 Outer Drive Magnet	Nd/epoxy-coated steel
7 Containment Shell	GFRPP
8 Inner Drive Magnet	Neodymium/PP
9 Motor Bracket	GFRPP
10 Pump Housing Support	316L stainless steel
11 Rear Thrust Ring	Alumina ceramic
12 Bushing	Carbon graphite
13 Inlet Ring	316L stainless steel
14 Shaft	Alumina ceramic
15 Hardware	316 stainless steel

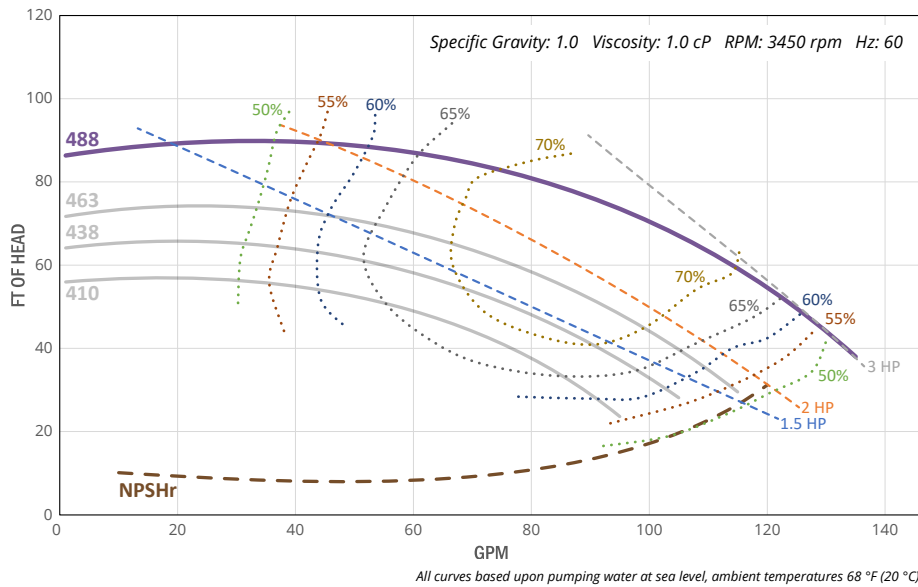
Additional materials of construction are available. Please refer to factory.

MC13-488

PERFORMANCE & DIMENSIONS

Inlet (FNPT)	2"	HP	3
Outlet (MNPT).....	1.5"	Voltage	230/460
Max Flow (GPM)	135	Phase	3
Max Head	90'	Amps	7.0/3.5

Max. operating temperature: 180 °F



DIMENSIONS

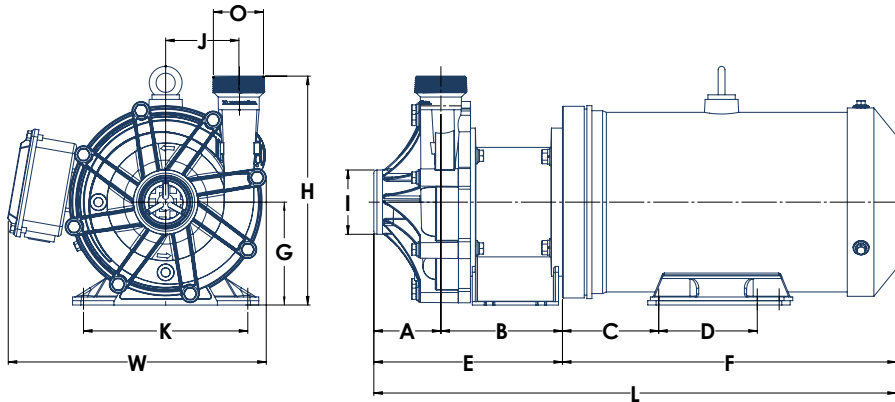


Diagram is for illustrative purposes. Dimensions are for reference only. Pump configurations may vary by model. Do not use for construction purposes.

LIQUID END MATERIALS OF CONSTRUCTION

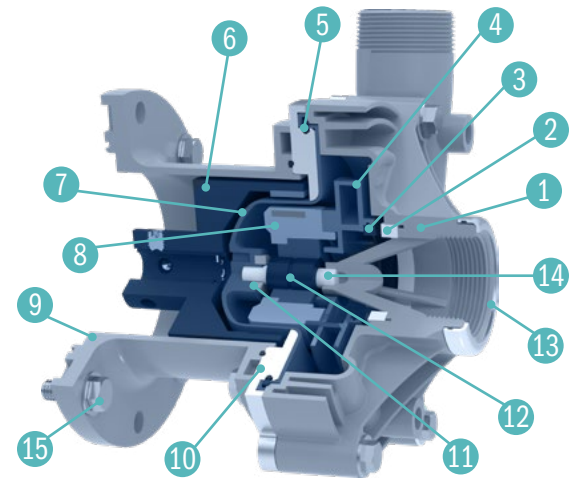


Diagram is for illustrative purposes. Pump configurations may vary by model.

DESCRIPTION	STANDARD
1 Front Pump Housing	GFRPP
2 Front Thrust Ring	Alumina ceramic
3 Impeller Thrust Ring	PTFE
4 Impeller	GFRPP
5 O-Rings	FKM
6 Outer Drive Magnet	Nd/epoxy-coated steel
7 Containment Shell	GFRPP
8 Inner Drive Magnet	Neodymium/PP
9 Motor Bracket	GFRPP
10 Pump Housing Support	316L stainless steel
11 Rear Thrust Ring	Alumina ceramic
12 Bushing	Carbon graphite
13 Inlet Ring	316L stainless steel
14 Shaft	Alumina ceramic
15 Hardware	316 stainless steel

Additional materials of construction are available. Please refer to factory.

I = Suction O = Discharge L/H/W = Envelope Dimensions

MOTOR FRAME	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
NEMA 145TC	3.06	5.5	2.85	4	8.61	12	4.70	10.45	2	3.37	5.5	20.61	1.5	10.12

MOTOR DATA

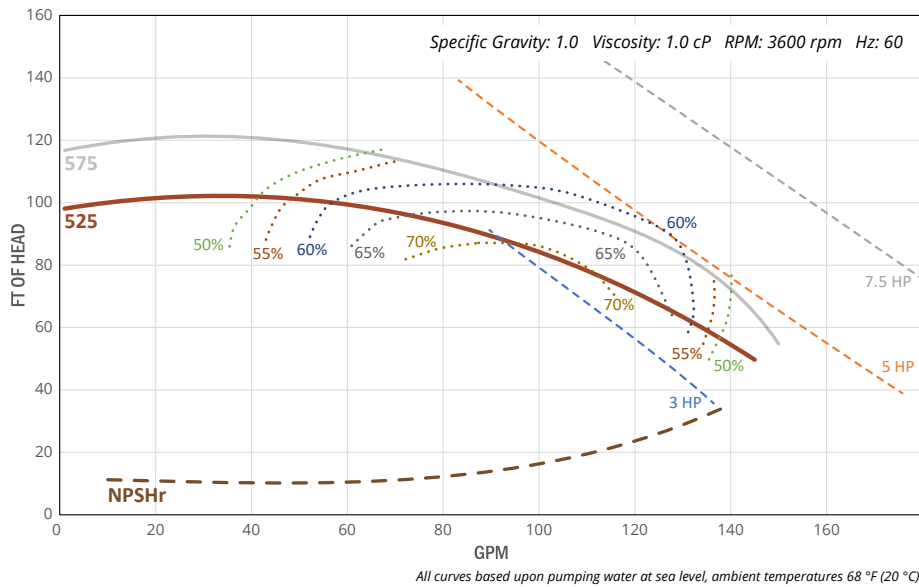
RPM	ENCL	RATING	FRAME	S.F.	DUTY	FLA	INS CLASS	EFF	INVERTER READY	CONSTRUCTION
3450	TEFC	IP55	145TC	1.15	Cont	7.0/3.5	F	86.5	Y	Steel painted

MC15-525

PERFORMANCE & DIMENSIONS

Inlet (FNPT)	2"	HP	5
Outlet (MNPT).....	2"	Voltage.....	230/460
Max Flow (GPM)	145	Phase	3
Max Head	103'	Amps	11.0/5.5

Max. operating temperature: 180 °F



DIMENSIONS

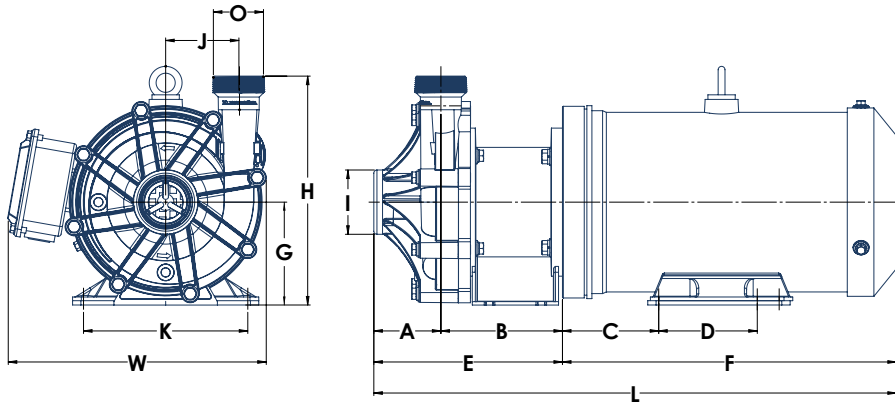


Diagram is for illustrative purposes. Dimensions are for reference only. Pump configurations may vary by model. Do not use for construction purposes.

I = Suction

O = Discharge

L/H/W = Envelope Dimensions

MOTOR FRAME	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
NEMA 184TC	3.06	5.5	4.39	4.5/5.5	8.61	15.24	4.70	10.45	2	3.37	7.5	23.85	2	11.78

MOTOR DATA

RPM	ENCL	RATING	FRAME	S.F.	DUTY	FLA	INS CLASS	EFF	INVERTER READY	CONSTRUCTION
3600	TEFC	IP55	184TC	1.15	Cont	11.0/5.5	F	88.5	Y	Steel painted

LIQUID END MATERIALS OF CONSTRUCTION

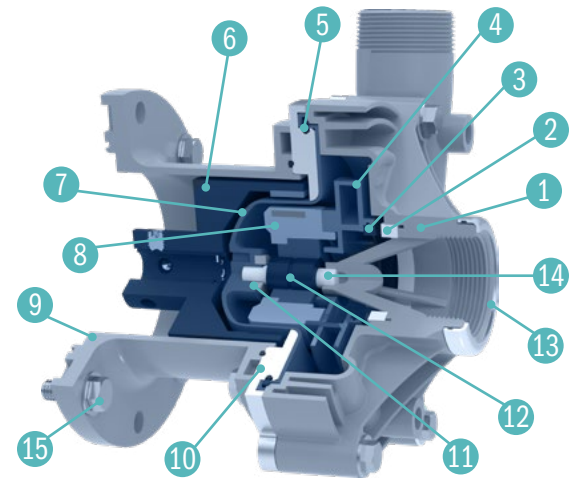


Diagram is for illustrative purposes. Pump configurations may vary by model.

DESCRIPTION	STANDARD
1 Front Pump Housing	GFRPP
2 Front Thrust Ring	Alumina ceramic
3 Impeller Thrust Ring	PTFE
4 Impeller	GFRPP
5 O-Rings	FKM
6 Outer Drive Magnet	Nd/epoxy-coated steel
7 Containment Shell	GFRPP
8 Inner Drive Magnet	Neodymium/PP
9 Motor Bracket	GFRPP
10 Pump Housing Support	316L stainless steel
11 Rear Thrust Ring	Alumina ceramic
12 Bushing	Carbon graphite
13 Inlet Ring	316L stainless steel
14 Shaft	Alumina ceramic
15 Hardware	316 stainless steel

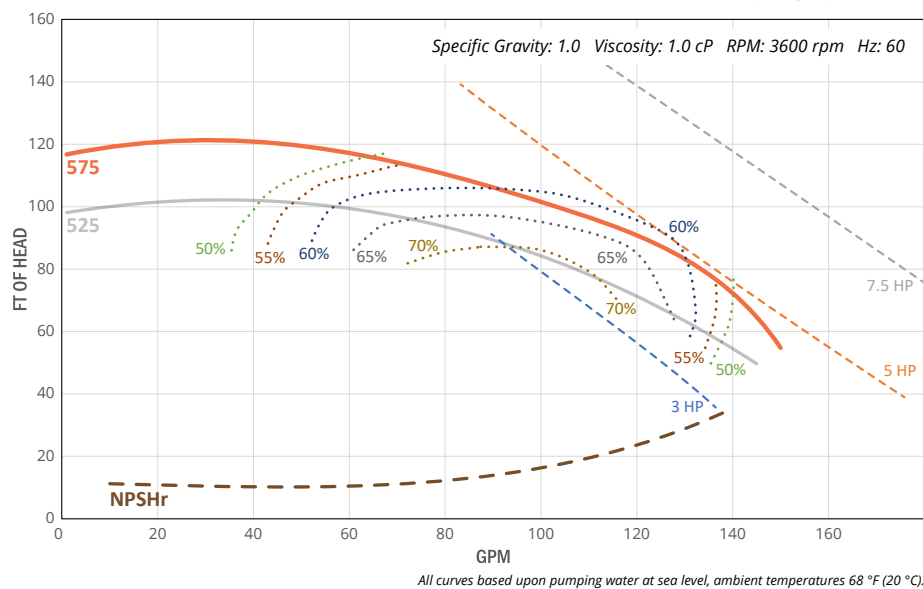
Additional materials of construction are available. Please refer to factory.

MC15-575

PERFORMANCE & DIMENSIONS

Inlet (FNPT)	2"	HP	5
Outlet (MNPT).....	2"	Voltage.....	230/460
Max Flow (GPM)	150	Phase	3
Max Head	121'	Amps	11.0/5.5

Max. operating temperature: 180 °F



DIMENSIONS

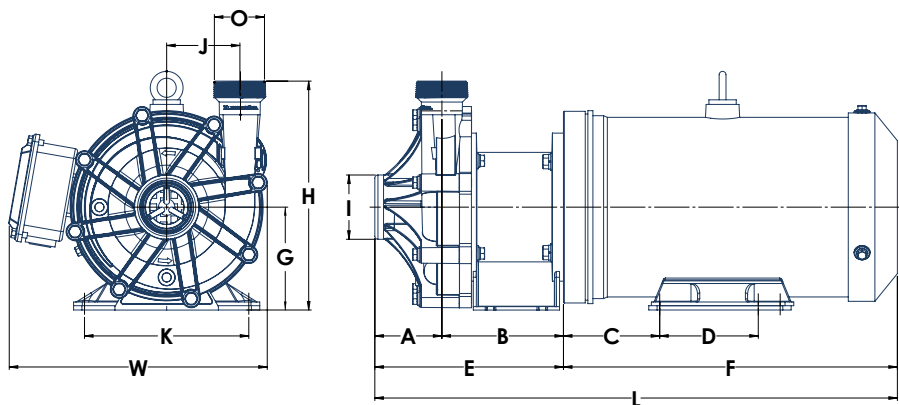


Diagram is for illustrative purposes. Dimensions are for reference only. Pump configurations may vary by model. Do not use for construction purposes.

LIQUID END MATERIALS OF CONSTRUCTION

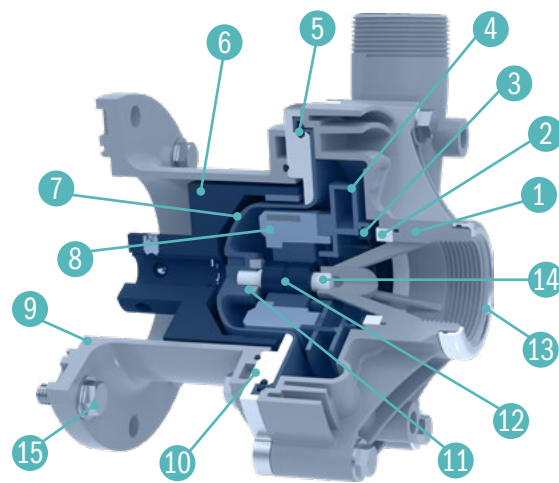


Diagram is for illustrative purposes. Pump configurations may vary by model.

DESCRIPTION	STANDARD
1 Front Pump Housing	GFRPP
2 Front Thrust Ring	Alumina ceramic
3 Impeller Thrust Ring	PTFE
4 Impeller	GFRPP
5 O-Rings	FKM
6 Outer Drive Magnet	Nd/epoxy-coated steel
7 Containment Shell	GFRPP
8 Inner Drive Magnet	Neodymium/PP
9 Motor Bracket	GFRPP
10 Pump Housing Support	316L stainless steel
11 Rear Thrust Ring	Alumina ceramic
12 Bushing	Carbon graphite
13 Inlet Ring	316L stainless steel
14 Shaft	Alumina ceramic
15 Hardware	316 stainless steel

Additional materials of construction are available. Please refer to factory.

I = Suction

O = Discharge

L/H/W = Envelope Dimensions

MOTOR FRAME	A	B	C	D	E	F	G	H	I (NPT) Suction	J	K	L	O (NPT) Discharge	W
NEMA 184TC	3.06	5.5	4.39	4.5/5.5	8.61	15.24	4.70	10.45	2	3.37	7.5	23.85	2	11.78

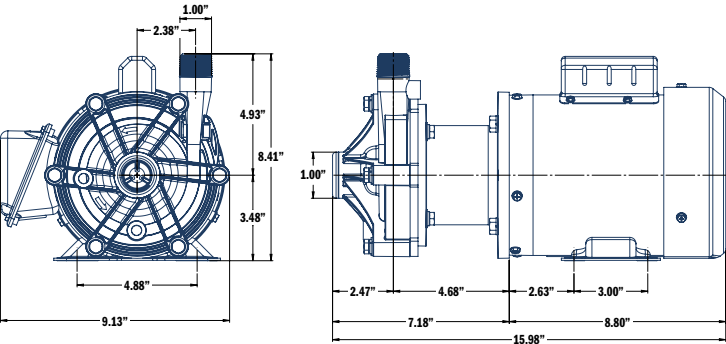
MOTOR DATA

RPM	ENCL	RATING	FRAME	S.F.	DUTY	FLA	INS CLASS	EFF	INVERTER READY	CONSTRUCTION
3600	TEFC	IP55	184TC	1.15	Cont	11.0/5.5	F	88.5	Y	Steel painted

MAGNEVO MC SERIES

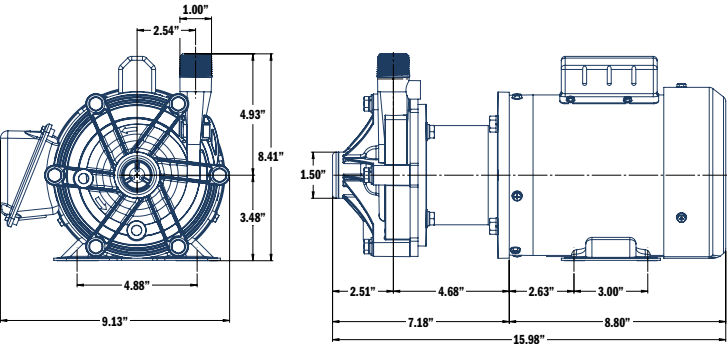
MAGNETIC-DRIVE CENTRIFUGAL PUMPS

MC4 SERIES



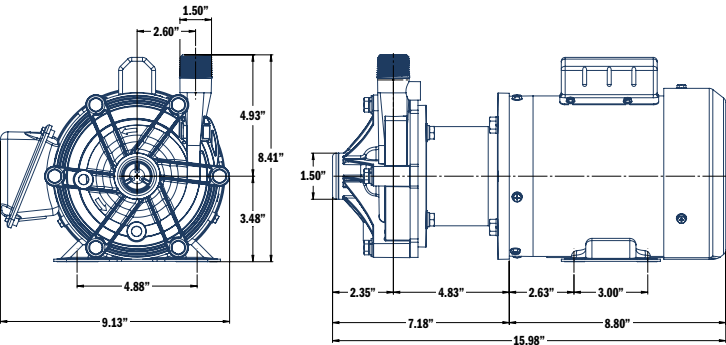
Inlet (FNPT) 1"	Max Flow (GPM) . . .28	HP 0.5
Outlet (MNPT) 1"	Max Head. 21'	Phase 1

MC6 SERIES



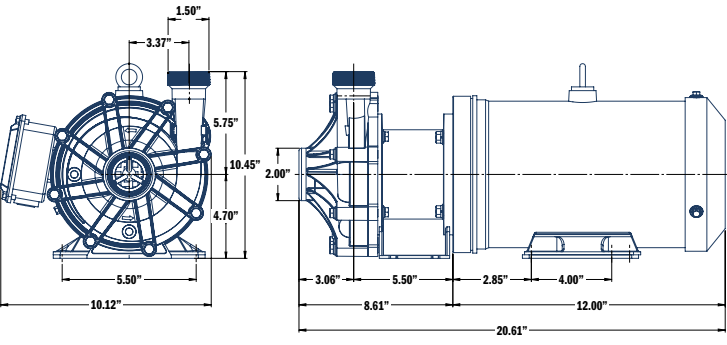
Inlet (FNPT) 1.5"	Max Flow (GPM) . . .60	HP 0.5
Outlet (MNPT) 1"	Max Head. 46'	Phase 1

MC10 SERIES



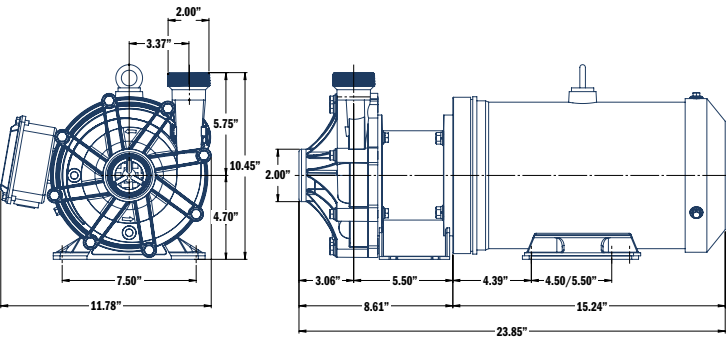
Inlet (FNPT) 1.5"	Max Flow (GPM) . . .95	HP 0.5/1
Outlet (MNPT) 1.5"	Max Head. 59'	Phase 1

MC13 SERIES



Inlet (FNPT) 2"	Max Flow (GPM) . .125	HP 1.5/2/3
Outlet (MNPT) 1.5"	Max Head. 90'	Phase 1/3

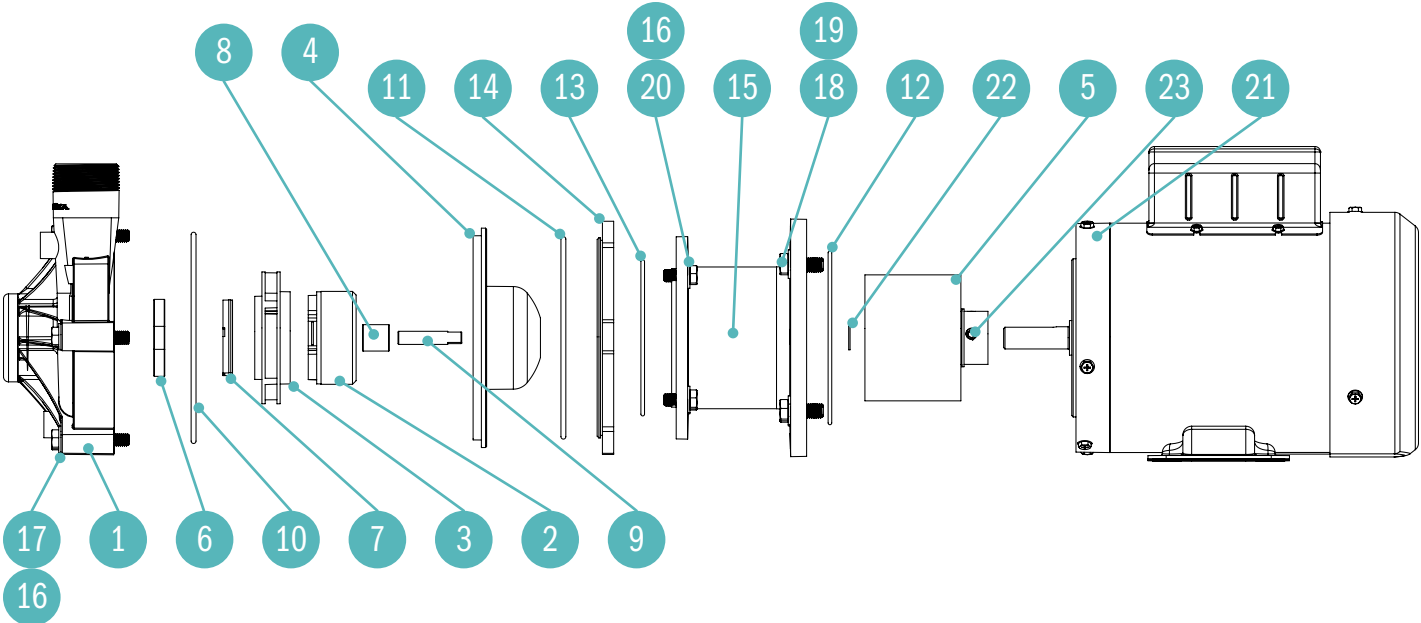
MC15 SERIES



Inlet (FNPT) 2"	Max Flow (GPM) . .150	HP 5
Outlet (MNPT) 2"	Max Head. 121'	Phase 3

MAGNEVO MC SERIES

SPARE PART GUIDE



PART NAME	WEAR KIT	IMPELLER KIT	WET END KIT	MOTOR KIT
1 Front Pump Housing			•	
2 Inner Drive Magnet		•	•	
3 Impeller		•	•	
4 Containment Shell			•	
5 Outer Drive Magnet				•
6 Front Thrust Ring			•	
7 Impeller Thrust Ring	•	•	•	
8 Bushing	•	•	•	
9 Shaft			•	
10 O-ring, Containment Shell	•	•	•	
11 O-ring, Pump Housing Support			•	
12 O-ring, Motor				•
13 O-ring, Motor Bracket			•	
14 Pump Housing Support			•	
15 Motor Bracket				
16 Washer, 5/16			•	
17 Bolt, Hex, 5/16 X 2 in*			•	
18 Bolt, Hex, 3/8 X 1 in				
19 Washer, 3/8				
20 Bolt, Hex, 5/16 X 3/4 in				
21 Motor				•
22 Retaining Ring				•
23 Set Screw				•
24 Motor Mount, small*				•
25 Motor Mount, large*				•
26 Adapter Plate				
27 Bolt, Hex, 5/16 X 2.5 in*			•	

*Inclusion in kit varies by pump model.

MODEL	WEAR KIT	IMPELLER KIT	WET END KIT	MOTOR KIT
MC4-250	200083-400	200083-500	200083-700	200083-900
MC4-300	200083-400	200083-501	200083-701	200083-900
MC4-340	200083-400	200083-502	200083-702	200083-900
MC4-362	200083-400	200083-503	200083-703	200083-900
MC4-390	200083-400	200083-504	200083-704	200083-900
MC6-350	200083-401	200083-505	200083-705	200083-900
MC6-360	200083-401	200083-506	200083-706	200083-900
MC10-338	200083-402	200083-507	200083-707	200083-900
MC10-350	200083-402	200083-508	200083-708	200083-901
MC10-375	200083-402	200083-509	200083-709	200083-901
MC10-400	200083-402	200083-510	200083-710	200083-901
MC13-410	200083-403	200083-511	200083-711	200083-902
MC13-438	200083-403	200083-512	200083-712	200083-902
MC13-463	200083-403	200083-513	200083-713	200083-903
MC13-488	200083-403	200083-514	200083-714	200083-904
MC15-525	200083-404	200083-515	200083-717	200083-905
MC15-575	200083-404	200083-516	200083-716	200083-905



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Magnevo Pumps are designed, assembled and quality-control tested at our headquarters in Minneapolis, Minnesota, USA.



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