

WDM[®]

PUMPS



ME Close
Coupled

- Flow rates up to 600 GPM
- Size up to 4" discharge
- Motors up to 15 HP
- Stainless steel impeller or gray cast iron.
- Temperature up to 224.6°F (107° C)
- Cast iron case - NPT
- Premium efficiency motors



Technical Book

Medium Pressure Line

WDM PUMPS



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WDM Water Systems

WDM Pumps has expanded its brand as an international manufacturer of fluid handling pumps by consistently meeting and exceeding the needs of our customers.

Continuing a tradition of more than 60 years, WDM Pumps manufactures quality electric and engine driven pumps for diverse commercial and industrial applications. Our continued growth is based on a commitment to high standards for efficient product design, production, sales, and customer support.

Our customers rely on our world-class team of experienced WDM Pumps engineers, technicians, and product application specialists.

WDM offers pump products and related equipment for a wide variety of industries. WDM Pumps manufactured and distributed self priming, flexible coupled, close coupled, vertical multistage, submersible sump and sewage.

WDM Pumps plants are strategically located throughout the Americas.



INDEX



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Medium Pressure Line Close Coupled Pumps

Features:

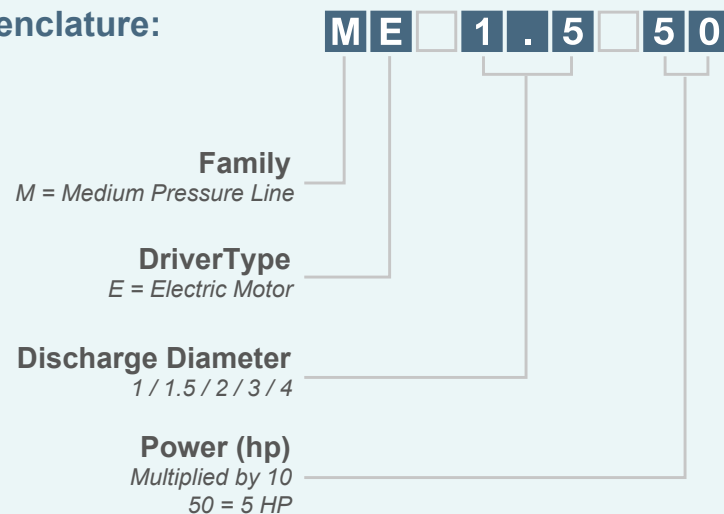
- Material: Cast Iron
- Suction: Up to 4"
- Discharge: Up to 4"
- Dynamically balanced closed impeller in stainless steel or gray cast iron.
- Mechanical Seal: 1 1/4"
- Motor: Three-phase up to 15 HP

Benefits:

- High Efficiency
- Easy setup and installation
- Easy maintenance
- Design under American standard



Nomenclature:



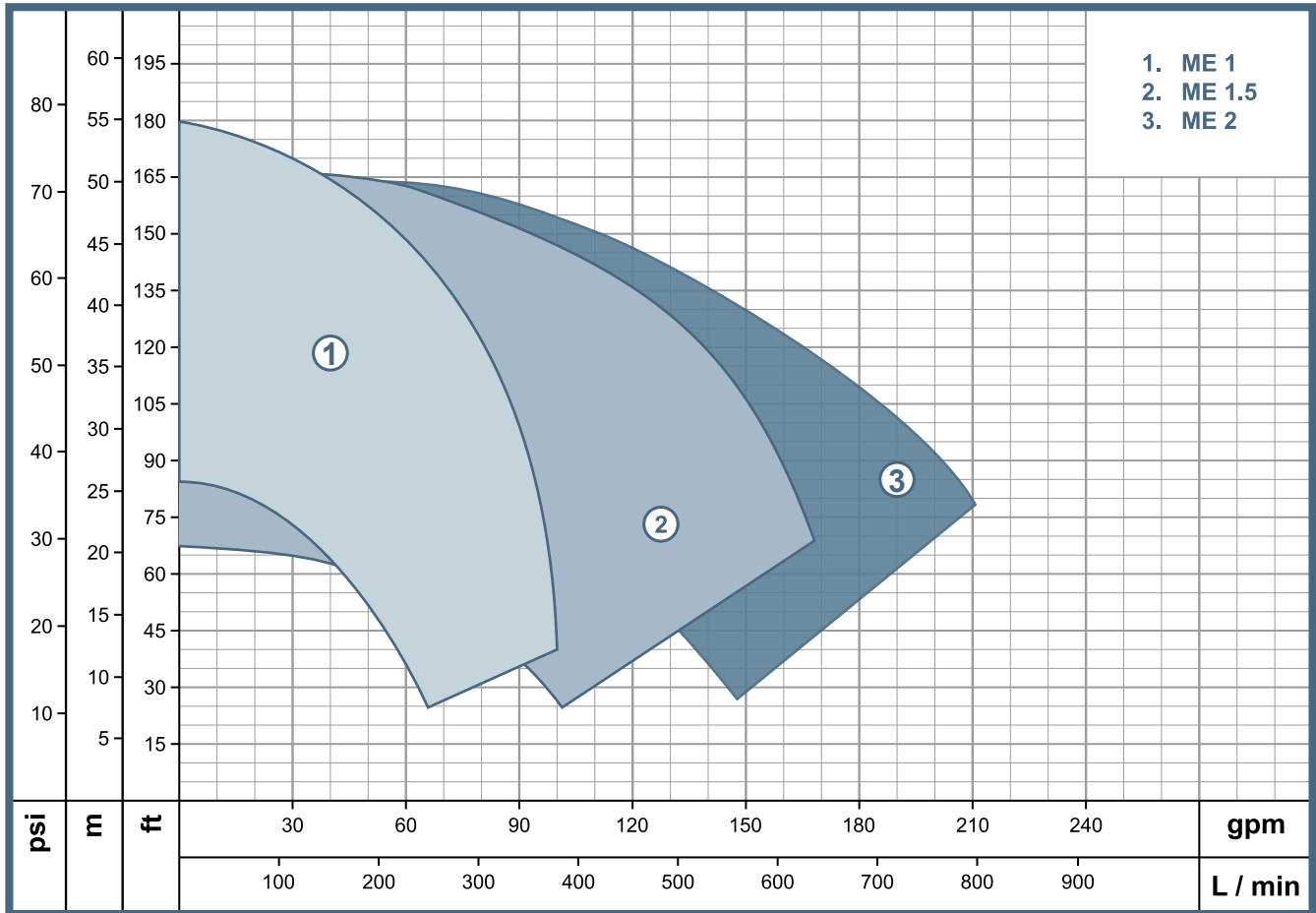
Selection Charts ME 1 - 1.5 - 2

Medium Pressure Line
Close Coupled
Pumps

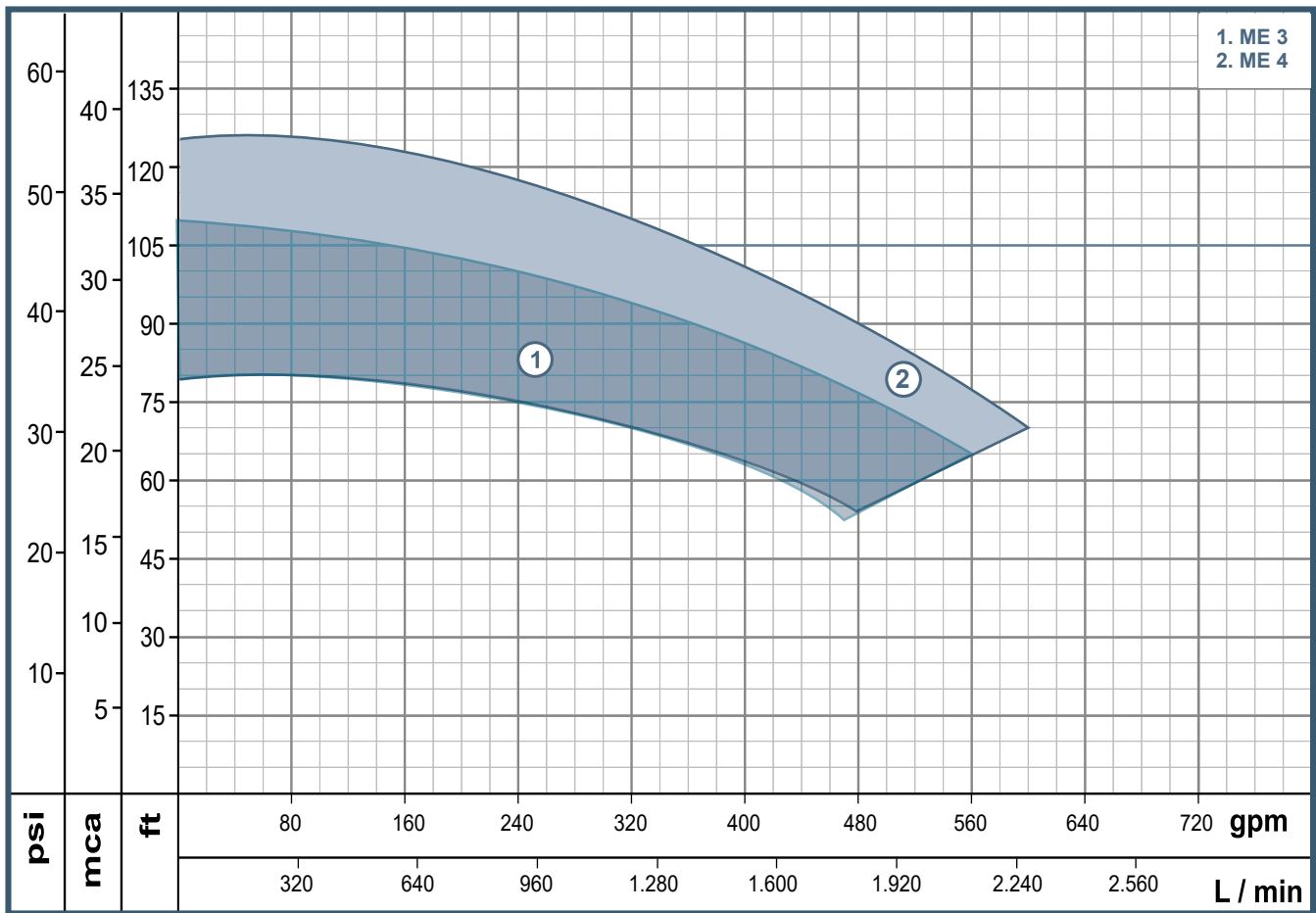


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2 poles (3600 rpm)



2 poles (3600 rpm)

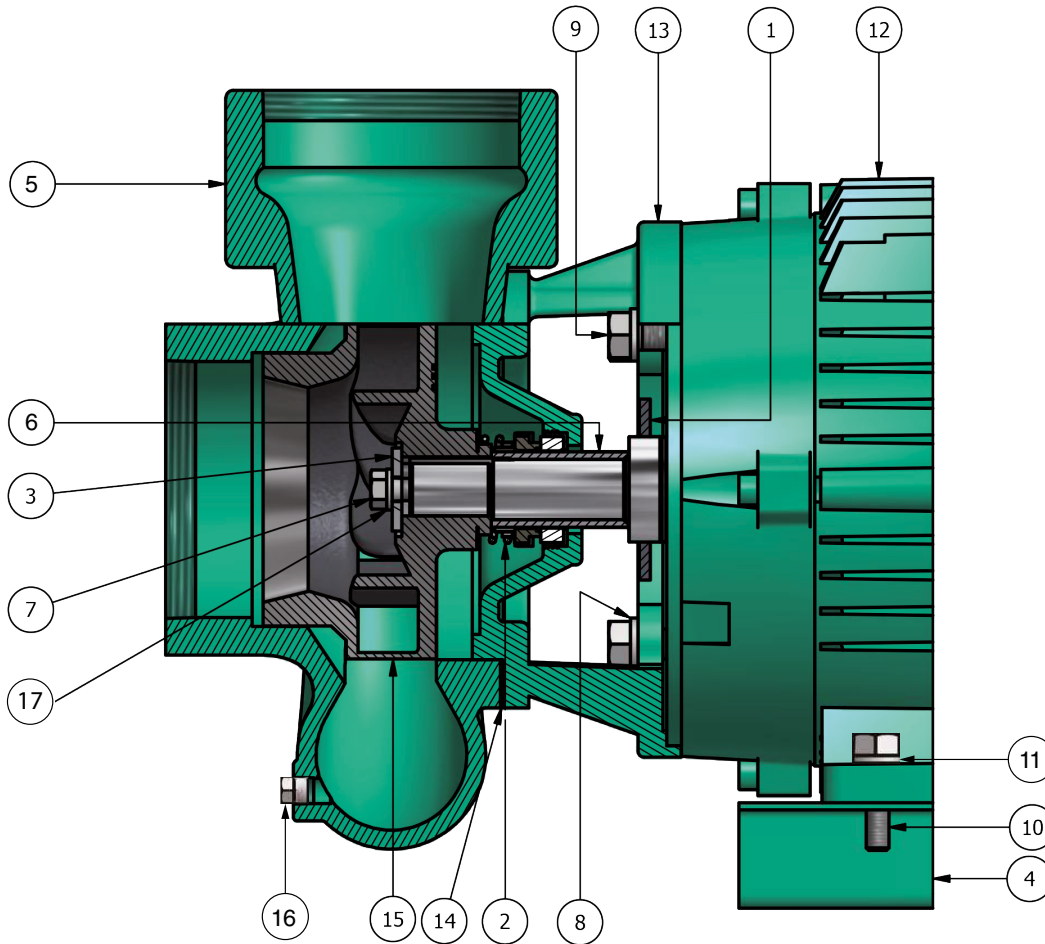


Section ME Series

Medium Pressure Line
Close Coupled
Pumps

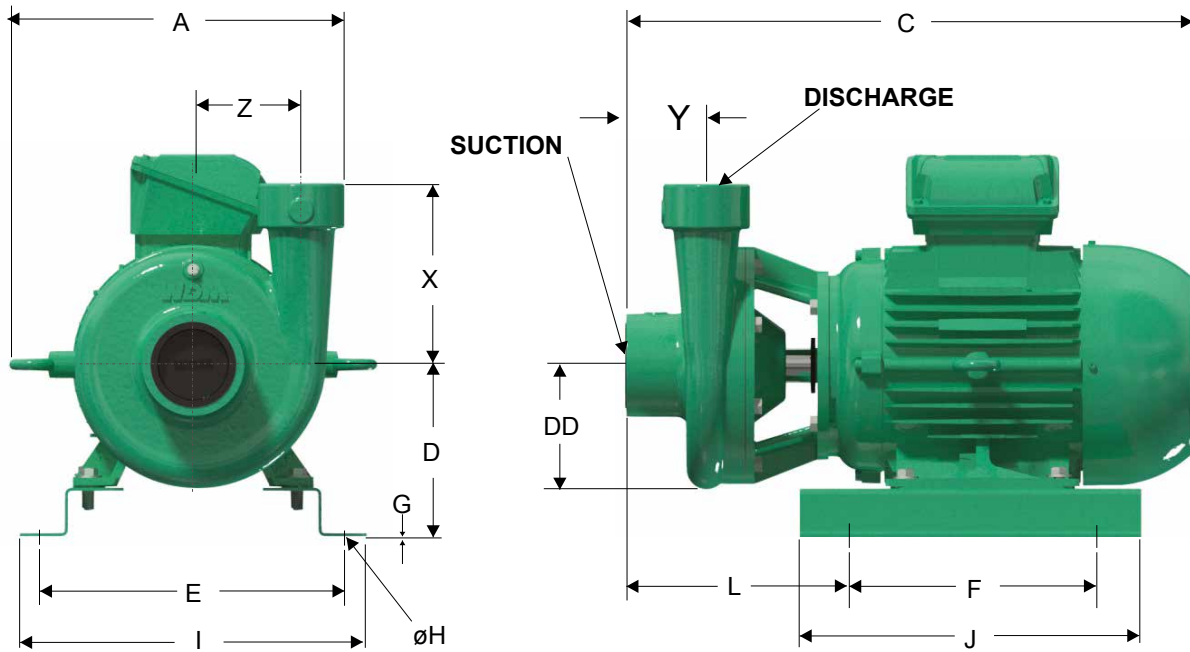


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ITEM	QTY	DESCRIPTION	MATERIAL
1	1	WASHER	BUNA
2	1	MECHANICAL SEAL	CARBON / CERAMIC / BUNA
3	1	IMPELLER WASHER	STAINLESS STEEL
4	1	BASE	CARBON STEEL
5	1	CASE	CARBON STEEL
6	1	SHAFT SLEEVE	STAINLESS STEEL AISI 304
7	1	IMPELLER HEX. SCREW	STAINLESS STEEL AISI 304
8	4	RETAINING WASHER	CARBON STEEL

ITEM	QTY	DESCRIPTION	MATERIAL
9	4	HEXAGONAL SUPPORT SCREW	CARBON STEEL
10	4	HEXAGONAL BASE SCREW	CARBON STEEL
11	4	WASHER	CARBON STEEL
12	1	MOTOR	CHECK INFO WITH SUPPLIER
13	1	BRACKET	CAST IRON ASTM A48
14	1	CASE GASKET	STANDARD PAPER GASKET
15	1	IMPELLER	CAST IRON OR STAINLESS STEEL AISI 304
16	1	PLUG	CAST IRON ASTM A48
17	1	LOCK WASHER	STAINLESS STEEL AISI 304



Dimensions (inches)

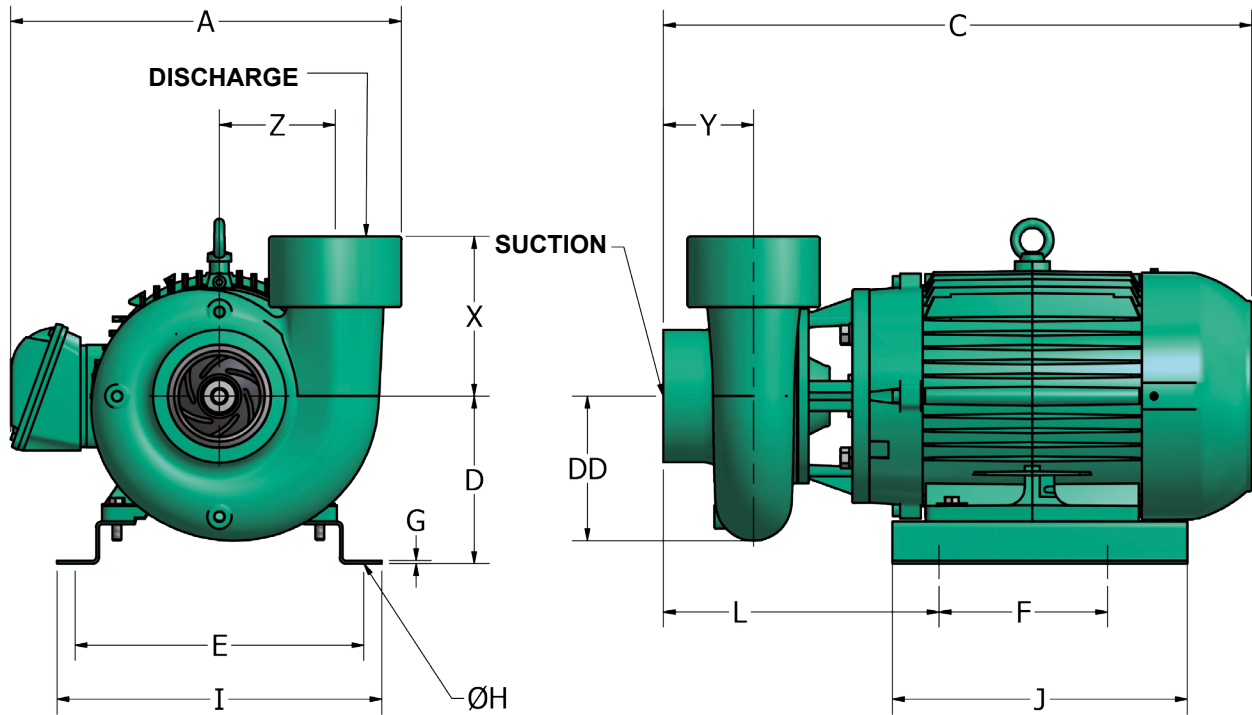
Model	Cast Iron	Stainless Steel	A	C	D	DD	E	F	G	H	I	L	J	X	Y	Z	Frame	Suc	Dis
ME 1 15	1E0473	1E0473S	11	16 13/16	5 1/16	4 1/4	9 11/16	7 1/8	1/8	7/16	11 3/16	6 3/4	8 7/8	4 1/2	2	3 3/4	143JM	1 1/2"	1"
ME 1 20	1E0245	1E0245S	11	16 13/16	5 1/16	4 1/4	9 11/16	7 1/8	1/8	7/16	11 3/16	6 3/4	8 7/8	4 1/2	2	3 3/4	145JM	1 1/2"	1"
ME 1 30	1E0246	1E0246S	11	16 13/16	5 1/16	4 1/4	9 11/16	7 1/8	1/8	7/16	11 3/16	6 3/4	8 7/8	4 1/2	2	3 3/4	145JM	1 1/2"	1"
ME 1 30-1	1E0468	1E0468S	11	16 13/16	5 1/16	4 1/4	9 11/16	7 1/8	1/8	7/16	11 3/16	6 3/4	8.875	4 1/2	2	3 3/4	145JM	1 1/2"	1"
ME 1 50	1E0474	1E0474S	11 3/8	18 13/16	5 11/16	4 1/4	9 13/16	7	1/8	7/16	11 5/16	7	12 1/4	4 1/2	2	3 3/4	184JM	1 1/2"	1"
ME 1 50-1	1E0469	1E0469S	11 3/8	18 13/16	5 11/16	4 1/4	9 13/16	7	1/8	7/16	11 5/16	8 1/8	12.25	4 1/2	2	3 3/4	184JM	1 1/2"	1"
ME 1.5 15	1E0475	1E0475S	11 1/4	17 9/16	5 1/16	4 1/4	9 11/16	7 1/8	1/8	7/16	11 3/16	7 1/2	8 7/8	5 1/2	2 7/8	3 5/8	143JM	2"	1 1/2"
ME 1.5 20	1E0248	1E0248S	11 1/4	17 9/16	5 1/16	4 1/4	9 11/16	7 1/8	1/8	7/16	11 3/16	7 5/8	8 7/8	5 1/2	2 7/8	3 5/8	145JM	2"	1 1/2"
ME 1.5 30	1E0249	1E0249S	11 1/4	17 9/16	5 1/16	4 1/4	9 11/16	7 1/8	1/8	7/16	11 3/16	7 5/8	8 7/8	5 1/2	2 7/8	3 5/8	145JM	2"	1 1/2"
ME 1.5 50-1	1E0471	1E0471S	11 5/8	19 5/8	5 11/16	4 1/4	9 13/16	7	1/8	7/16	11 5/16	8 7/8	12 1/4	5 1/2	2 7/8	3 5/8	184JM	2"	1 1/2"
ME 1.5 50	1E0476	1E0476S	11 5/8	19 5/8	5 11/16	4 1/4	9 13/16	7	1/8	7/16	11 5/16	7 3/4	12 1/4	5 1/2	2 7/8	3 5/8	184JM	2"	1 1/2"
ME 1.5 75	1E0251	1E0251S	12 9/16	20 5/16	6 3/16	4 1/4	11	7	1/8	7/16	12 1/2	10 5/8	12 1/4	5 1/2	2 7/8	3 5/8	184JM	2"	1 1/2"
ME 2 30	1E0252	1E0252S	11 11/16	17 9/16	5 1/16	4 1/4	9 11/16	7 1/8	1/8	7/16	11 3/16	7 1/2	8 7/8	6 1/2	2 3/4	3 7/8	145JM	2 1/2"	2"
ME 2 30-1	1E0477	1E0477S	11 11/16	17 9/16	5 1/16	4 1/4	9 11/16	7 1/8	1/8	7/16	11 3/16	7 1/2	8 7/8	6 1/2	2 3/4	3 7/8	184JM	2 1/2"	2"
ME 2 50	1E0479	1E0479S	12 1/16	19 9/16	5 11/16	4 1/4	9 13/16	7	1/8	7/16	11 5/16	7 7/8	12 1/4	6 1/2	2 3/4	3 7/8	184JM	2 1/2"	2"
ME 2 50-1TEFC	1E0479 / 1E0479TC	1E0479S	12 1/16	19 9/16	5 11/16	4 1/4	9 13/16	7	1/8	7/16	11 5/16	7 7/8	12 1/4	6 1/2	2 3/4	3 7/8	184JM	2 1/2"	2"
ME 2 50-1	1E0478	1E0478S	12 1/16	19 9/16	5 11/16	4 1/4	9 13/16	7	1/8	7/16	11 5/16	8 7/8	12 1/4	6 1/2	2 3/4	3 7/8	184JM	2 1/2"	2"
ME 2 75	1E0254	1E0254S	13	20 1/4	6 3/16	4 1/4	11	7	1/8	7/16	12 1/2	8 5/32	12 1/4	6 1/2	2 3/4	3 7/8	184JM	2 1/2"	2"
ME 2 100	1E0255	1E0255S	14 1/8	21 3/4	5 15/16	4 1/4	12	7	1/8	7/16	13 1/2	8 15/16	12 1/4	6 1/2	2 3/4	3 7/8	215JM	2 1/2"	2"

Dimensions ME Series

Medium Pressure Line
Close Coupled
Pumps



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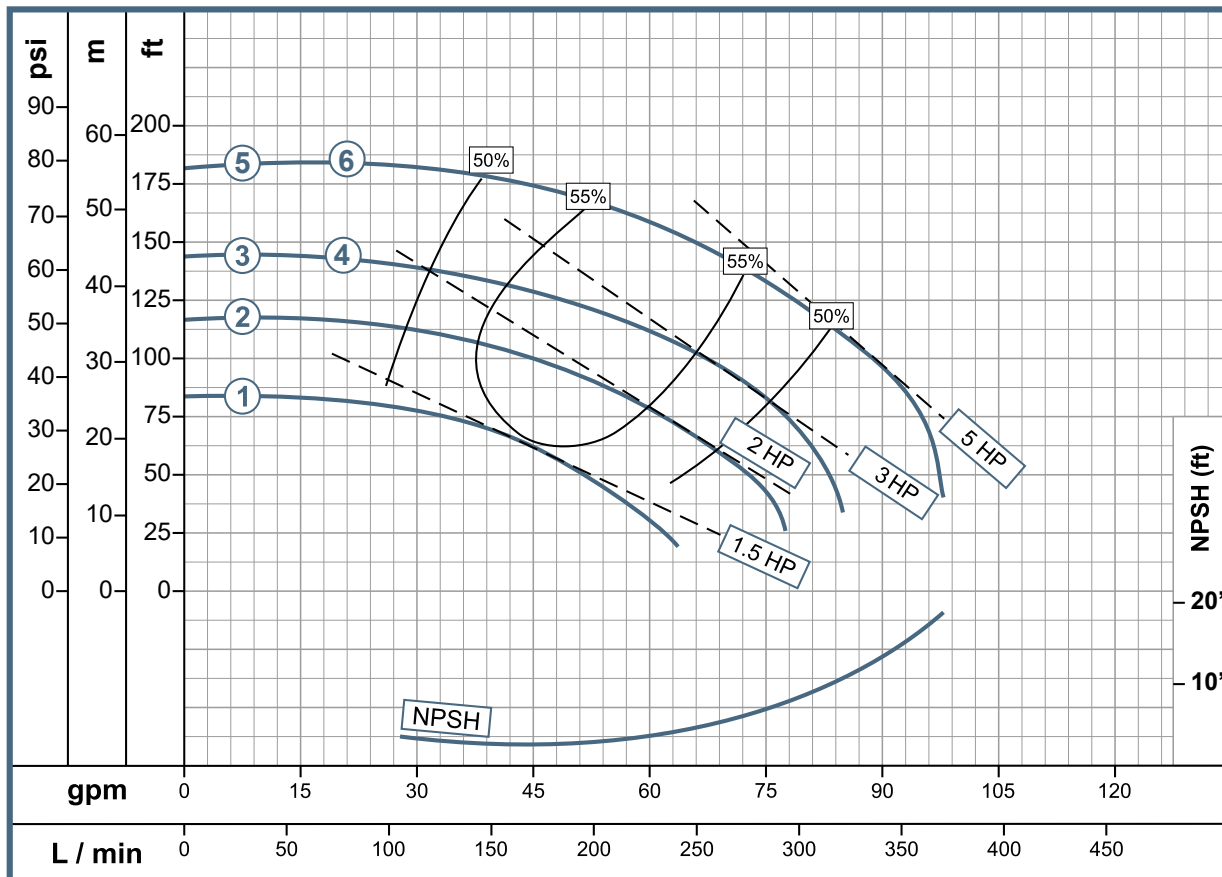


Dimensions (Inches)																			
Model	Cast Iron	Stainless Steel	A	C	D	DD	E	F	G	H	I	L	J	X	Y	Z	Frame	Suc	Dis
ME 3 75	1E0256	1E0256S	13	21	6 5/32	5 5/16	10 15/16	7	1/8	7/16	12 1/2	9 1/4	12 1/4	5 1/2	1 7/8	4 1/2	184JM	3	3
ME 3 100	1E0257	1E0257S	13 1/2	21 11/16	6 15/16	5 5/16	12	7	1/8	7/16	13 1/2	11 1/2	12 1/4	5 1/2	1 7/8	4 1/2	213JM	3	3
ME 3 150	1E0258	1E0258S	13 1/2	24 1/16	6 15/16	5 5/16	12	7	1/8	7/16	13 1/2	11 1/2	12 1/4	5 1/2	1 7/8	4 1/2	215JM	3	3
ME 4 75	1E0259	1E0259S	13 3/4	21 11/16	6 5/32	6	10 5/16	7	1/8	7/16	12 1/2	10	12 1/4	6 5/8	3 3/4	4 13/16	184JM	4	4
ME 4 100	1E0260	1E0260S	14 5/16	23 1/32	6 15/16	6	12	7	1/8	7/16	13 1/2	11 3/4	12 1/4	6 5/8	3 3/4	4 13/16	213JM	4	4
ME 4 150	1E0261	1E0261S	14 5/16	24 1/2	6 15/16	6	12	7	1/8	7/16	13 1/2	11 3/4	12 1/4	6 5/8	3 3/4	4 13/16	215JM	4	4

Pump Features						
Pump Type	Design			Impeller		
Centrifuge	Close Coupled			Closed / Cast Iron / SS		
Stages	Mechanical Seal			Fluid Temperature		
1	1 1/4" T21			26.6° F to 224.6° F		
Model	Ref. Cast Iron Impeller	Ref. SS Impeller	Ø Suction	Ø Discharge	Ø Impeller	
1 ME 1 15	1E0473	1E0473S	1 1/2"	1"	5.250"	
2 ME 1 20	1E0245	1E0245S	1 1/2"	1"	5.250"	
3 ME 1 30-1	1E0468	1E0468S	1 1/2"	1"	5.875"	
4 ME 1 30	1E0246	1E0246S	1 1/2"	1"	5.875"	
5 ME 1 50-1	1E0469	1E0469S	1 1/2"	1"	6.500"	
6 ME 1 50	1E0474	1E0474S	1 1/2"	1"	6.500"	

Motor Features				
Drive		Speed (rpm)	Frequency (Hz)	
Electric		3,600 (nominal)	60	
Power (hp)	Phases	Voltage (V)	Enclosure	Frame
1.5	3	230 / 460	TEFC	143JM
2	3	230 / 460	TEFC	145JM
3	1	230	ODP	145JM
3	3	230 / 460	TEFC	145JM
5	1	230	TEFC	184JM
5	3	230 / 460	TEFC	184JM

Performance Curve



Medium Pressure Line

ME 1.5 15
ME 1.5 20
ME 1.5 30

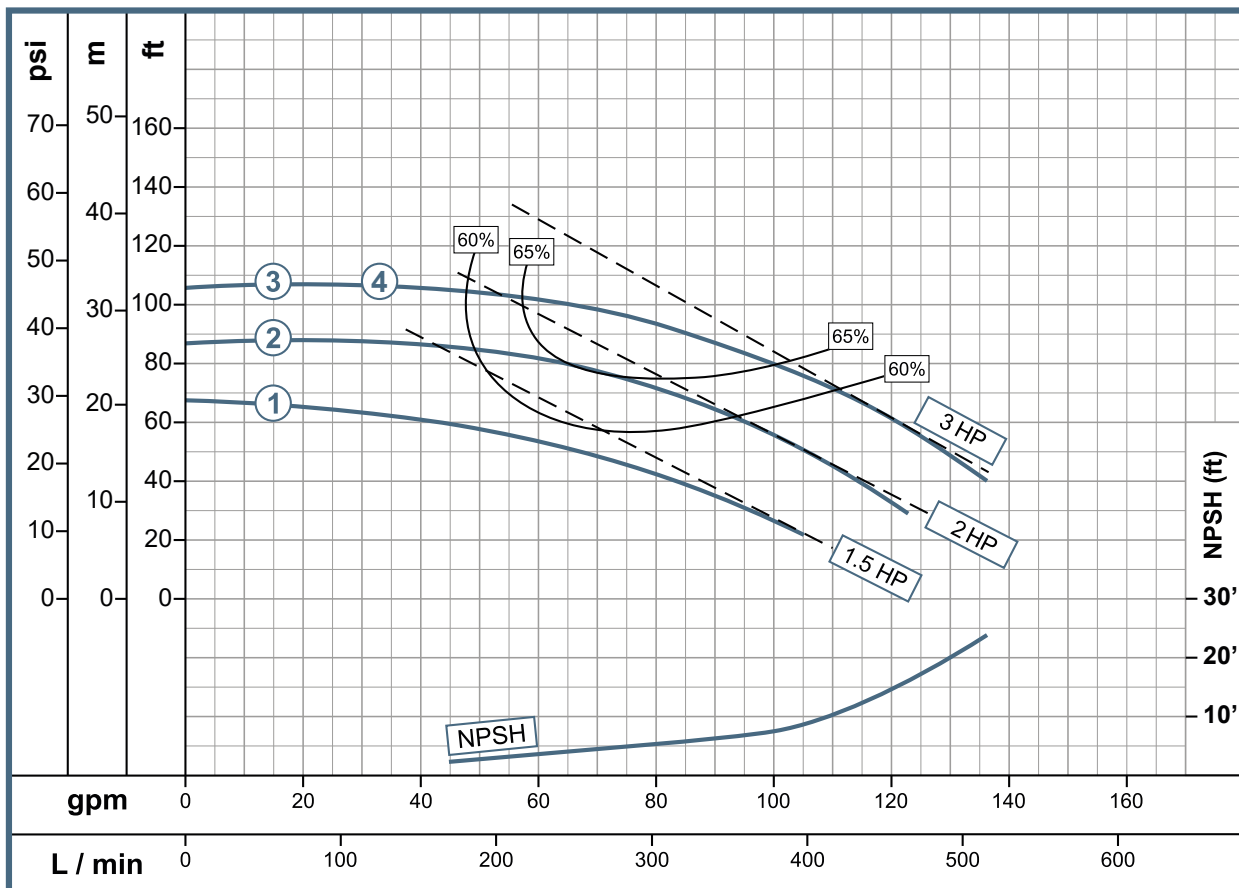


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Pump Features						
Pump Type	Design			Impeller		
Centrifuge	Close Coupled			Closed / Cast Iron / SS		
Stages	Mechanical Seal			Fluid Temperature		
1	1 1/4" T21			26.6° F to 224.6° F		
Model	Ref. Cast Iron Impeller	Ref. SS Impeller	Ø Suction	Ø Discharge	Ø Impeller	
1 ME 1.5 15	1E0475	1E0475S	2"	1 1/2"	4.375"	
2 ME 1.5 20	1E0248	1E0248S	2"	1 1/2"	4.75"	
3 ME 1.5 30	1E0249	1E0249S	2"	1 1/2"	5.25"	
4 ME 1.5 30-1	1E0470	1E0470S	2"	1 1/2"	5.25"	

Motor Features				
Drive		Speed (rpm)	Frequency (Hz)	
Electric		3,600 (nominal)	60	
Power (hp)	Phases	Voltage (V)	Enclosure	Frame
1.5	3	230 / 460	TEFC	143JM
2	3	230 / 460	TEFC	145JM
3	3	230 / 460	TEFC	145JM
3	1	230	ODP	145JM

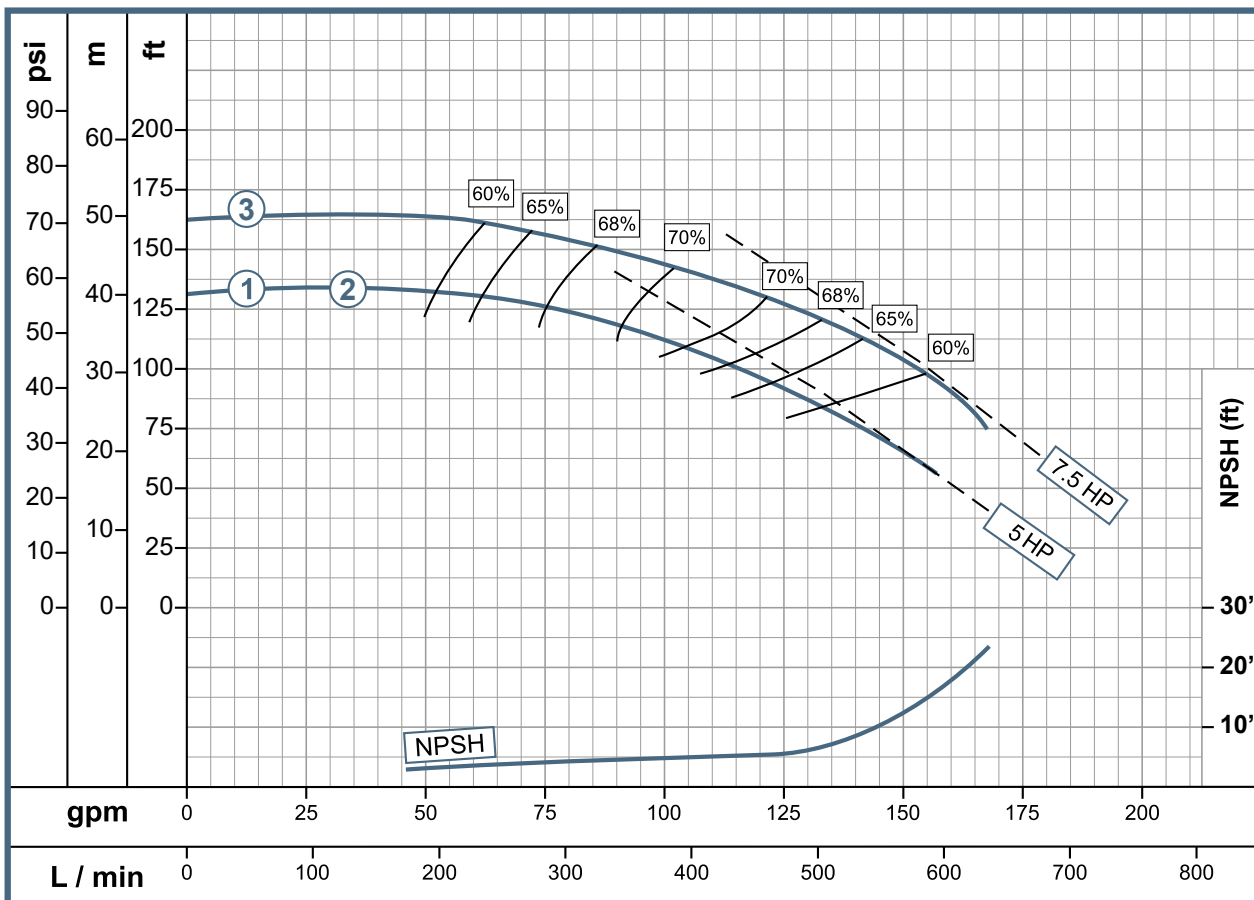
Performance Curve



Pump Features					
Pump Type	Design			Impeller	
Centrifuge	Close Coupled			Closed / Cast Iron / SS	
Stages	Mechanical Seal			Fluid Temperature	
1	1 1/4" T21			26.6° F to 224.6° F	
Model	Ref. Cast Iron Impeller	Ref. SS Impeller	Ø Suction	Ø Discharge	Ø Impeller
1 ME 1.5 50	1E0476	1E0476S	2"	1 1/2"	6"
2 ME 1.5 50-1	1E0471	1E0471S	2"	1 1/2"	6"
3 ME 1.5 75	1E0251	1E0251S	2"	1 1/2"	6.5"

Motor Features				
Drive	Speed (rpm)	Frequency (Hz)		
Electric	3,600 (nominal)	60		
Power (hp)	Phases	Voltage (V)	Enclosure	Frame
5	3	230 / 460	TEFC	184JM
5	1	230	ODP	184JM
7.5	3	230 / 460	TEFC	184JM

Performance Curve



Medium Pressure Line

- ME 2 30
- ME 2 50
- ME 2 75
- ME 2 100

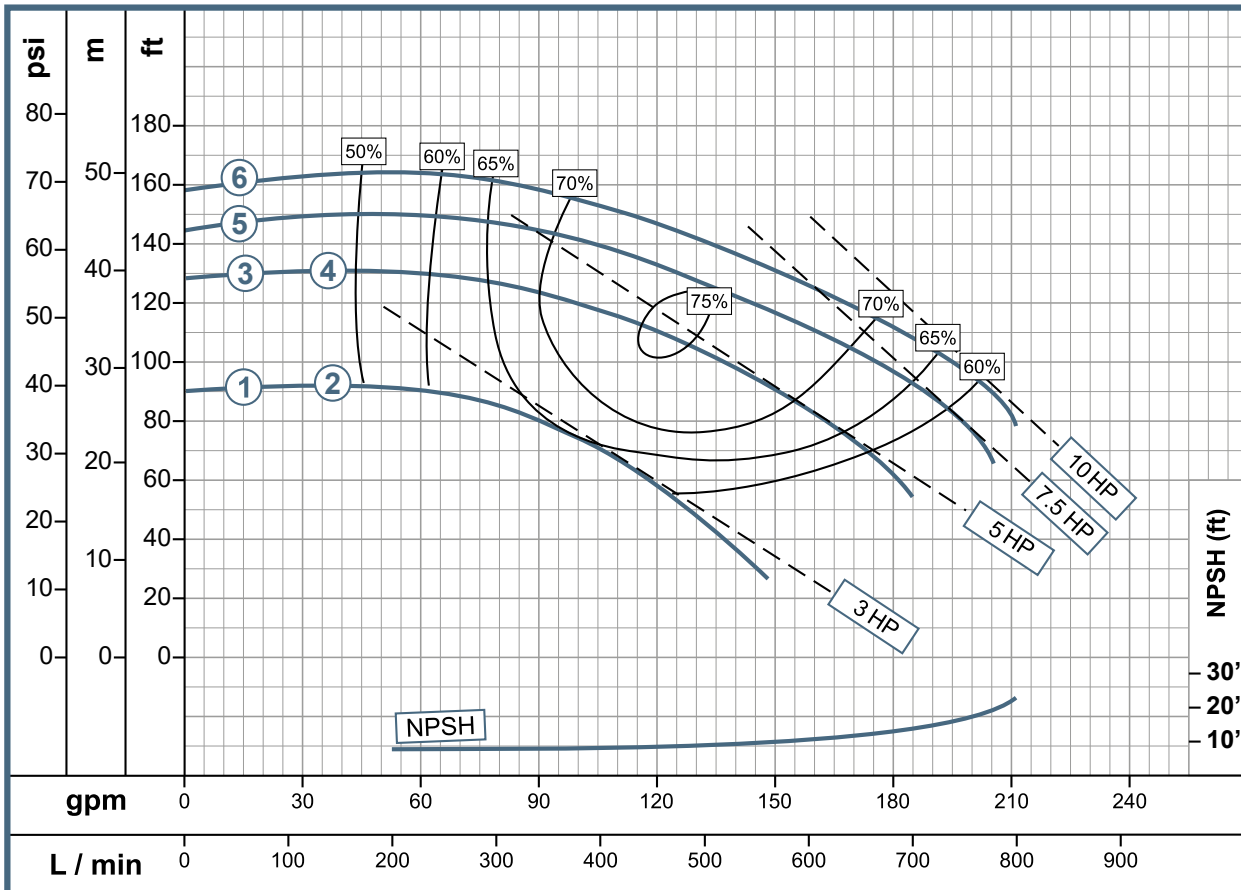


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Pump Features					
Pump Type	Design		Impeller		
Centrifuge	Close Coupled		Closed / Cast Iron / SS		
Stages	Mechanical Seal		Fluid Temperature		
1	1 1/4" T21		26.6° F to 224.6° F		
Model	Ref. Cast Iron Impeller	Ref. SS Impeller	Ø Suction	Ø Discharge	Ø Impeller
1 ME 2 30-1	1E0252	1E0252S	2 1/2"	2"	5.062"
2 ME 2 30	1E0477	1E0477S	2 1/2"	2"	5.062"
3 ME 2 50-1 TEFC	1E0479 / 1E0479TC	1E0479S	2 1/2"	2"	5.812"
4 ME 2 50	1E0478	1E0478S	2 1/2"	2"	5.812"
5 ME 2 75	1E0254	1E0254S	2 1/2"	2"	6.375"
6 ME 2 100	1E0255	1E0255S	2 1/2"	2"	6.500"

Motor Features				
Drive		Speed (rpm)	Frequency (Hz)	
Electric		3,600 (nominal)	60	
Power (hp)	Phases	Voltage (V)	Enclosure	Frame
3	1	230	ODP	145JM
3	3	230/460	TEFC	145JM
5	1	230	TEFC	184JM
5	3	230/460	TEFC	184JM
7.5	3	230/460	TEFC	184JM
10	3	230/460	TEFC	215JM

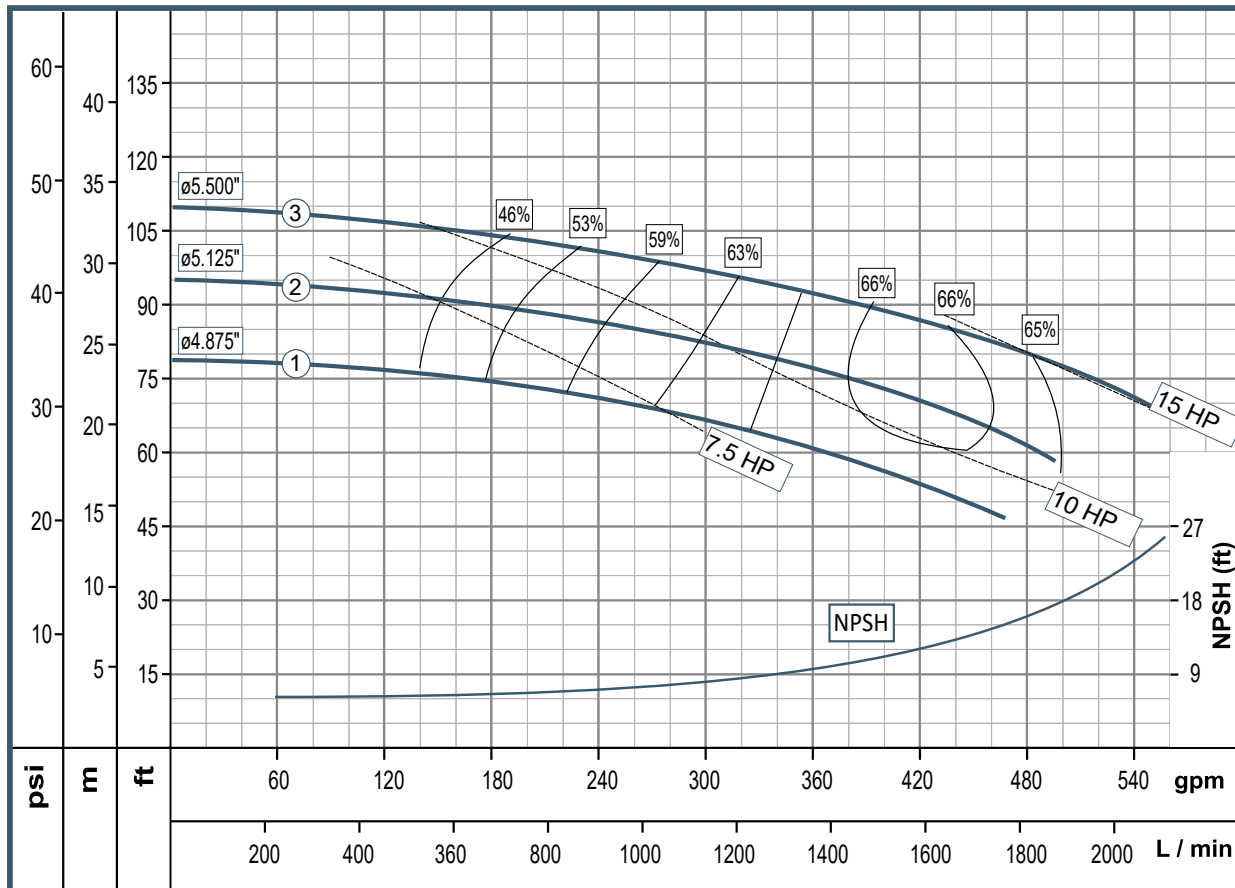
Performance Curve



Pump Features					
Pump Type	Design			Impeller	
Centrifuge	Close Coupled			Semi Open / Cast Iron / SS	
Stages	Mechanical Seal			Fluid Temperature	
1	1 1/4" T21			26.6° F to 224.6° F	
Model	Ref. Cast Iron Impeller	Ref. SS Impeller	Ø Suction	Ø Discharge	Ø Impeller
1 ME 3 75	1E0256	1E0256S	3"	3"	4.875"
2 ME 3 100	1E0257	1E0257S	3"	3"	5.125"
3 ME 3 150	1E0258	1E0258S	3"	3"	5.500"

Motor Features				
Drive		Speed (rpm)	Frequency (Hz)	
Electric		3,600 (nominal)	60	
Power (hp)	Phases	Voltage (V)	Enclosure	Frame
7.5	3	230 / 460	TEFC	184JM
10	3	230 / 460	TEFC	213JM
15	3	230 / 460	TEFC	215JM

Performance Curve



Medium Pressure Line

ME 4 75
ME 4 100
ME 4 150

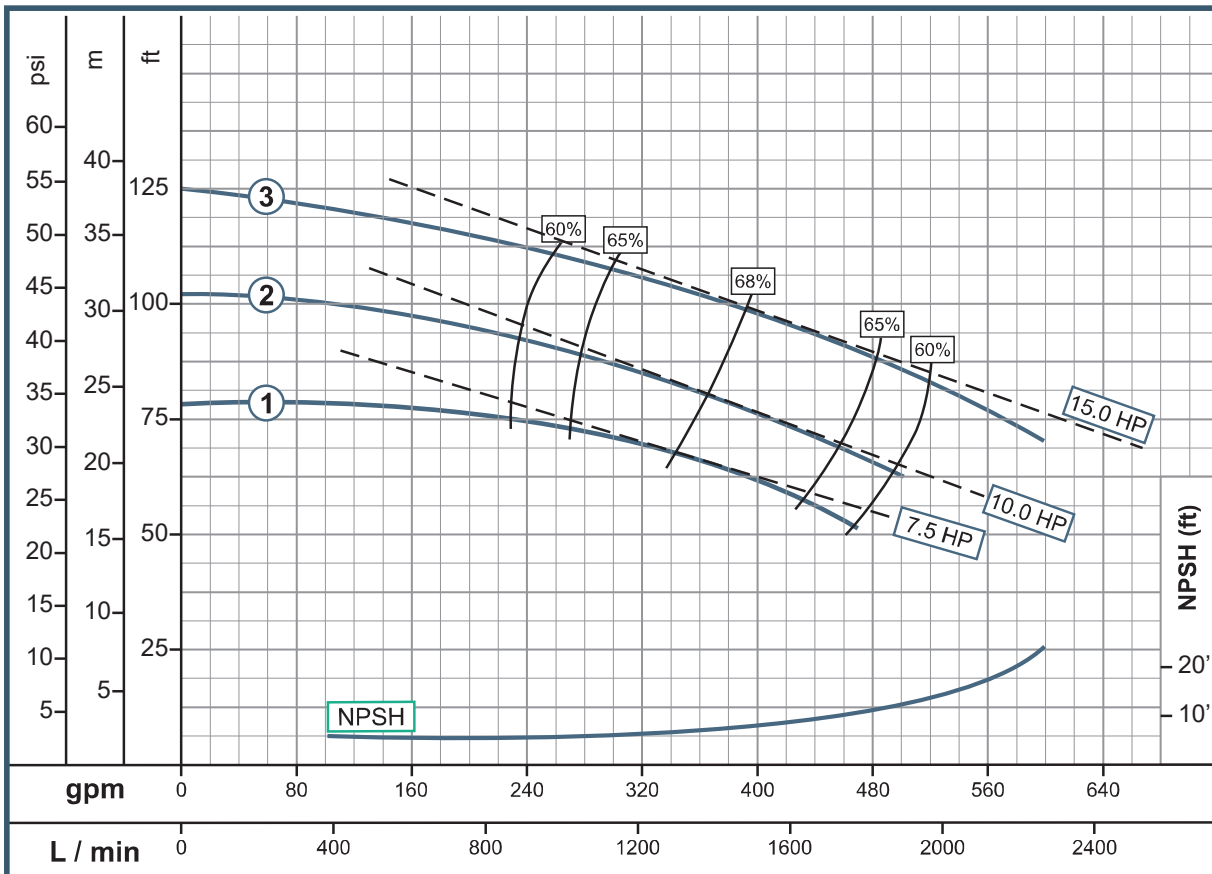


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Pump Features					
Pump Type	Design			Impeller	
Centrifuge	Close Coupled			Closed / Cast Iron / SS	
Stages	Mechanical Seal			Fluid Temperature	
1	1 1/4" T21			26.6° F to 224.6° F	
Model	Ref. Cast Iron Impeller	Ref. SS Impeller	Ø Suction	Ø Discharge	Ø Impeller
1 ME 4 75	1E0259	1E0259S	4"	4"	5.000"
2 ME 4 100	1E0260	1E0260S	4"	4"	5.437"
3 ME 4 150	1E0261	1E0261S	4"	4"	5.625"

Motor Features				
Drive		Speed (rpm)	Frequency (Hz)	
Electric		3,600 (nominal)	60	
Power (hp)	Phases	Voltage (V)	Enclosure	Frame
7.5	3	230 / 460	TEFC	184JM
10	3	230 / 460	TEFC	213JM
15	3	230 / 460	TEFC	215JM

Performance Curve



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FECHA	27/06/24