



There when you need us most

## WS SERIES 6" SUBMERSIBLE PUMPS

All Stainless Steel Water Well Pumps

### WS Series

The all stainless steel WS Series 6" pumps are designed to provide you with reliable solutions for the most demanding residential, commercial, and municipal applications.

The quality and performance you expect, along with industry best lead times and personalized service, only from Webtrol!

#### Features and Benefits

- All 304 stainless steel components
- Stamped and welded discharge head
- Top diffuser includes built-in, jam free stainless steel check valve
- Buna-N rubber bearings in each diffuser stage
- Enclosed strainer to stop debris from entering pump
- Standard NEMA motor mount



#### Performance

HP Range: 1.5 - 200 HP, 60Hz.

Capacities to 400 GPM

Heads to 1,800'

#### Typical Services

- Residential
- Commercial
- Agricultural
- Municipal



## WS Series

## 6" SUBMERSIBLE TURBINE

### Construction and Design Features



**Discharge Head:** Precision stamped and welded 304 stainless steel discharge head\* provides a smooth flow transition with a minimum amount of restriction. Includes a built in, jam free, stainless steel check valve to prevent back flow of water.

**Impeller:** A 304 stainless steel impeller, precision made to ensure optimal performance and offers superior resistance to abrasion (Not shown).

**Diffuser:** Each diffuser bowl is crafted out of 304 stainless steel with a Buna-N rubber bearing in each stage.

**Pump Shaft:** The pump shaft is constructed from heavy duty, cold drawn, 431 stainless steel. Each shaft is produced to the highest standards for straightness and cut to precise lengths (Not shown).

**Strainer:** Every pump has a 304 stainless steel strainer to stop debris from entering the pump.

**Motor Bracket:** The motor bracket is cast from 304 stainless steel and allows mounting on a standard NEMA motor.

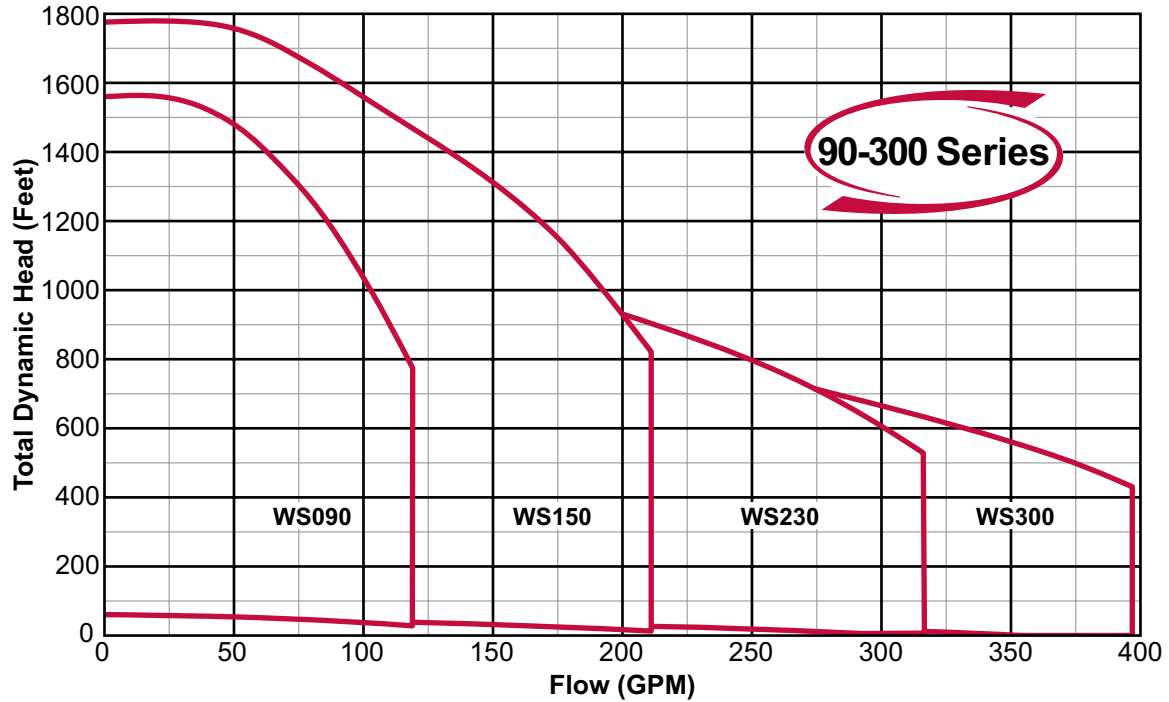
Series	*Discharge	O.D. (One Motor Lead)
WS090	3" NPT	5.59" - 6" Mtr.
WS150	3" NPT	5.59" - 6" Mtr.
W230	4" NPT	5.87" - 6" Mtr.
WS300	4" NPT	5.87" - 6" Mtr.

See price pages for lengths and weights.



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## 6" SUBMERSIBLE TURBINE FAMILY CURVES

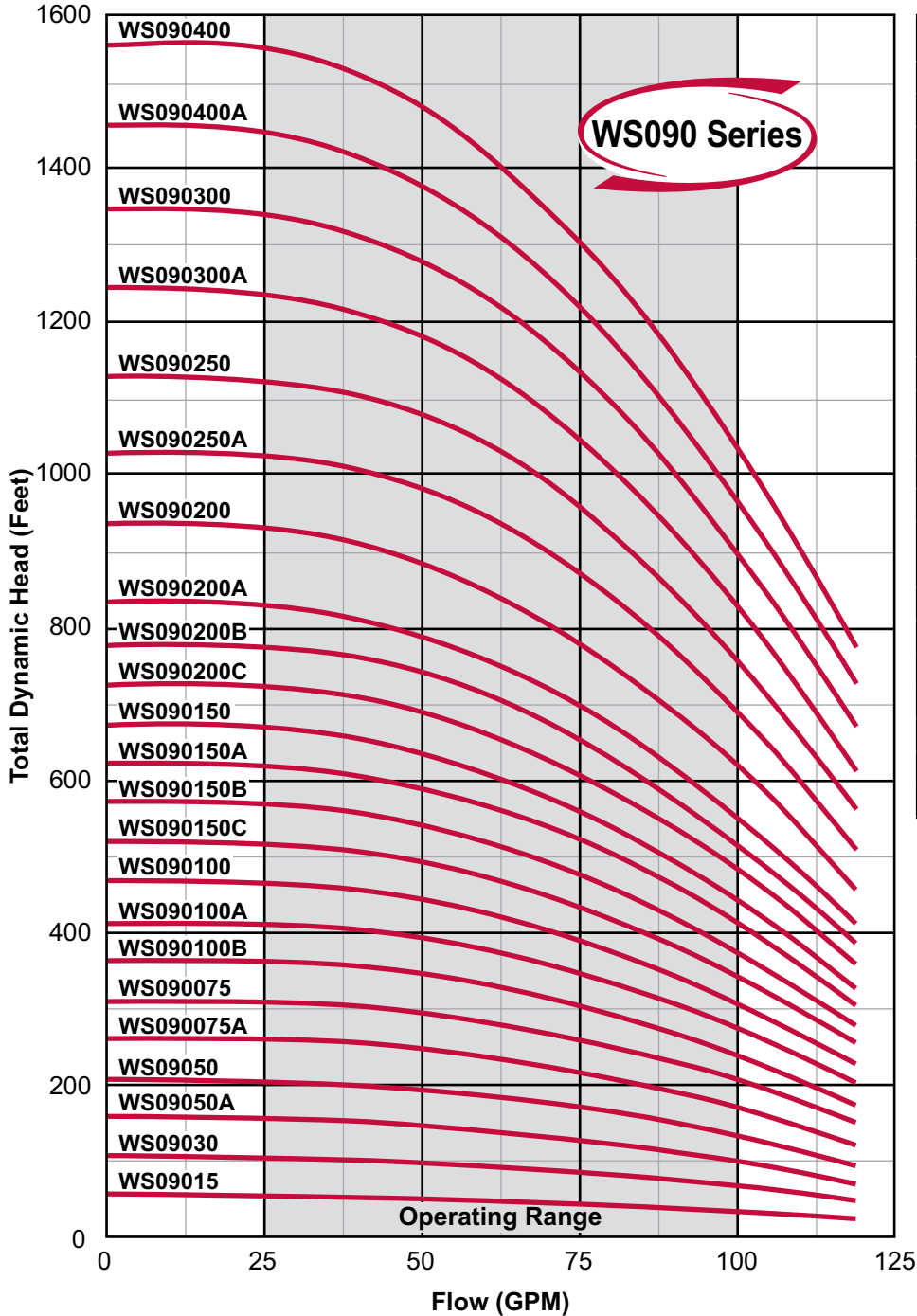




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# WS Series

## 6" SUBMERSIBLE CURVES



MODEL NO.	HP	STAGES
WS09015*	1.5	1
WS09030*	3.0	2
WS09050A*	5.0	3
WS09050*	5.0	4
WS090075A**	7.5	5
WS090075**	7.5	6
WS090100B**	10.0	7
WS090100A**	10.0	8
WS090100**	10.0	9
WS090150C**	15.0	10
WS090150B**	15.0	11
WS090150A**	15.0	12
WS090150**	15.0	13
WS090200C**	20.0	14
WS090200B**	20.0	15
WS090200A**	20.0	16
WS090200**	20.0	18
WS090250A**	25.0	20
WS090250**	25.0	22
WS090300A**	30.0	24
WS090300**	30.0	26
WS090400A**	40.0	28
WS090400**	40.0	30

\*4" motor bracket  
\*\*6" motor bracket

### MODEL NO.: WS090200B2C3

Series/Nominal Rated Flow (GPM)

Horsepower  
Divide by 10 for Rated Motor Horsepower (Example 20 ÷ 10 = 2.0 or 2HP)

Impeller Trim

Voltage  
1 = 115V 8 = 200V 2 = 230V 4 = 460V 5 = 575V

Wire/Control  
Blank = 2 wire C = Optional Control

Phase (PH)  
Blank = 1PH 3 = 3PH

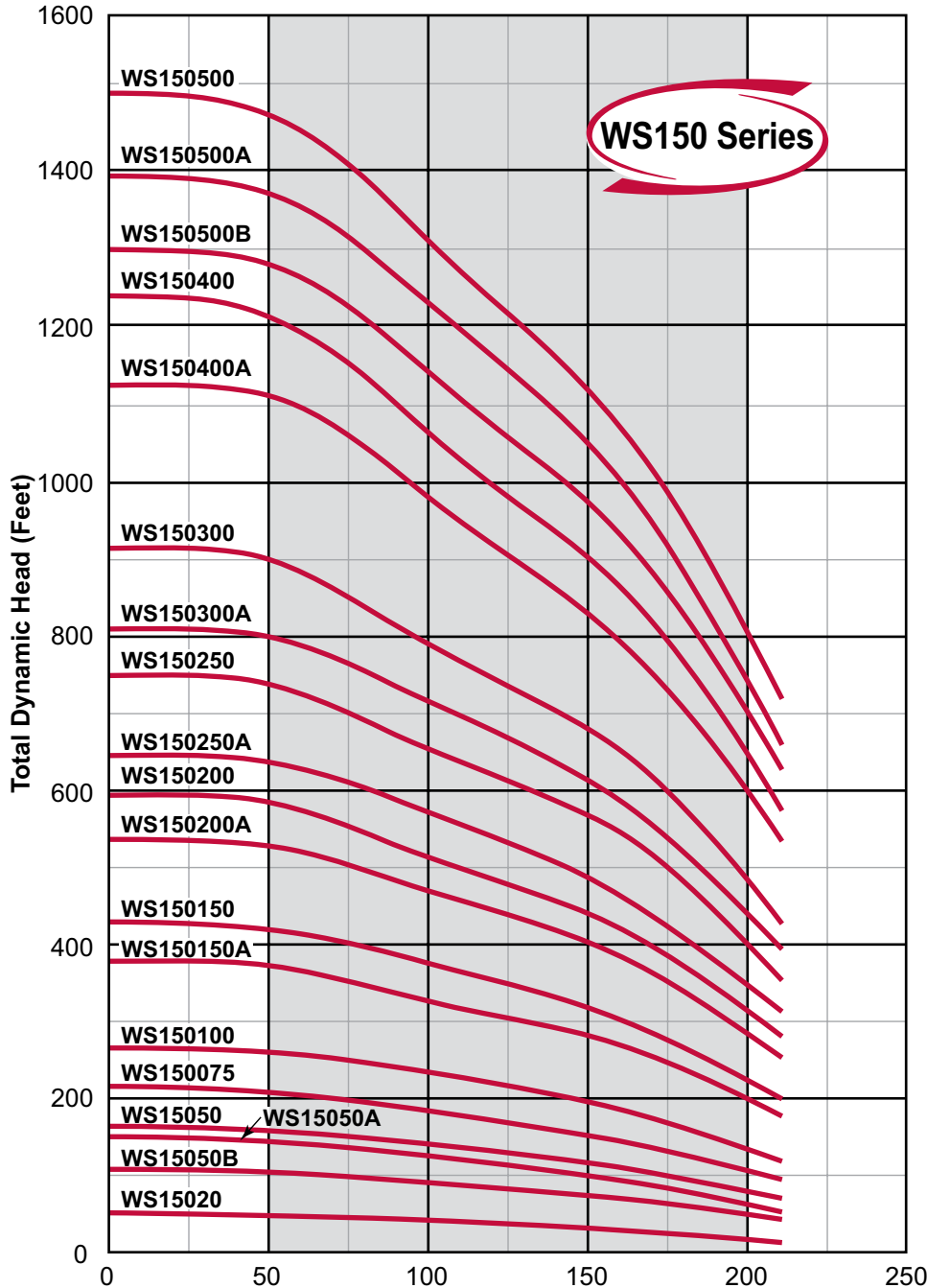
PEI<sub>CL</sub>: 0.87 Impeller Dia.: 3.51 (in.)

**Note:**

These curves are based on factory tests when pumping clear, fresh, non-aerated water at a temperature not exceeding 85°F. Due to production tolerances, these curves can vary plus or minus five percent.

## 6" SUBMERSIBLE CURVES

### WS Series



MODEL NO.	HP	STAGES
WS15020*	2.0	1
WS15050B*	5.0	2
WS15050A*	5.0	3A
WS15050*	5.0	3
WS150075**	7.5	4
WS150100**	10.0	5
WS150150A**	15.0	7
WS150150**	15.0	8
WS150200A**	20.0	10
WS150200**	20.0	11
WS150250A**	25.0	12
WS150250**	25.0	14
WS150300A**	30.0	15
WS150300**	30.0	17
WS150400A**	40.0	21
WS150400**	40.0	23
WS150500B**	50.0	24
WS150500A**	50.0	26
WS150500**	50.0	28

\*4" motor bracket  
\*\*6" motor bracket

**MODEL NO.: WS150200A2C3**

Series/Nominal Rated Flow (GPM)

Horsepower  
Divide by 10 for Rated Motor Horsepower (Example 20 ÷ 10 = 2.0 or 2HP)

Impeller Trim

Voltage  
1 = 115V 8 = 200V 2 = 230V 4 = 460V 5 = 575V

Wire/Control  
Blank = 2 wire C = Optional Control

Phase (PH)  
Blank = 1PH 3 = 3PH

PEI<sub>CL</sub>: 0.90 Impeller Dia.: 3.78 (in.)

**Note:**

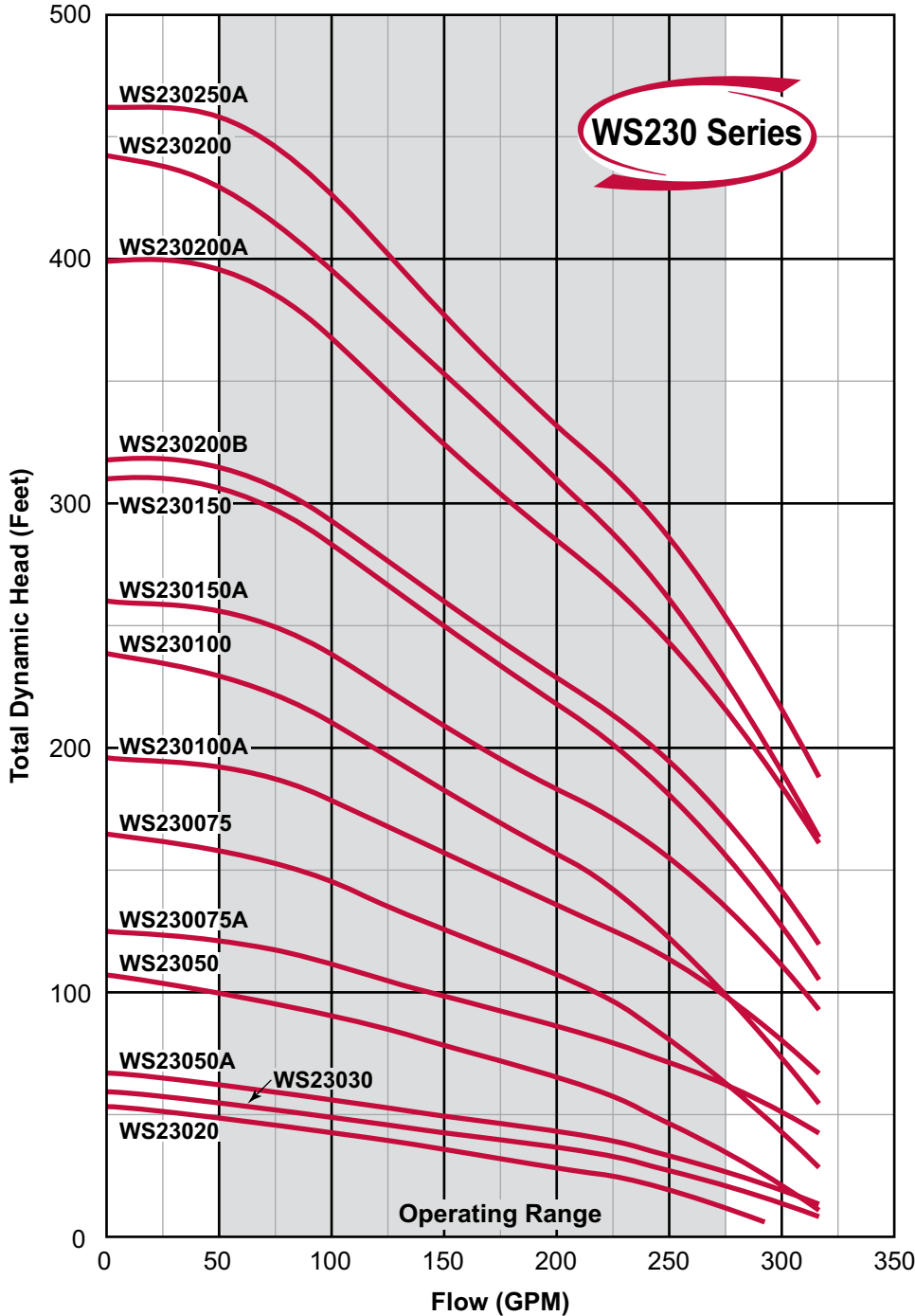
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# WS Series

## 6" SUBMERSIBLE CURVES



MODEL NO.	HP	STAGES
WS23020*	2.0	1B
WS23030*	3.0	1A
WS23050A*	5.0	1
WS23050*	5.0	2AB
WS230075A**	7.5	2
WS230075**	7.5	3BB
WS230100A**	10.0	3
WS230100**	10.0	4BC
WS230150A**	15.0	4
WS230150**	15.0	5C
WS230200B**	20.0	5
WS230200A**	20.0	6
WS230200**	20.0	7C
WS230250A**	25.0	7

\*4" motor bracket  
\*\*6" motor bracket

MODEL NO.: WS230150A2C3

Series/Nominal Rated Flow (GPM)

Horsepower  
Divide by 10 for Rated Motor Horsepower (Example 20 ÷ 10 = 2.0 or 2HP)

Impeller Trim

Voltage  
1 = 115V 8 = 200V 2 = 230V 4 = 460V 5 = 575V

Wire/Control  
Blank = 2 wire C = Optional Control

Phase (PH)  
Blank = 1PH 3 = 3PH

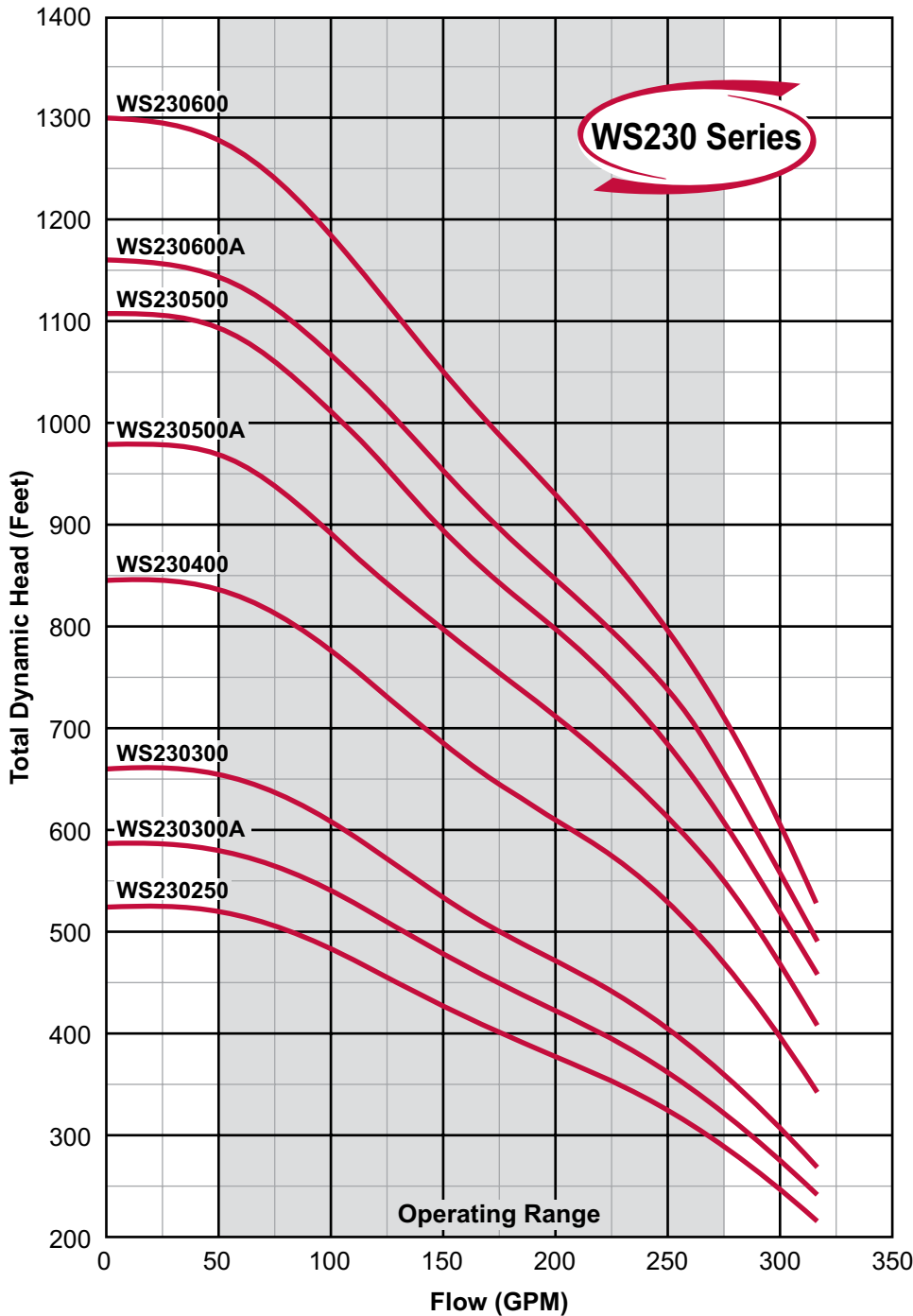
PEI<sub>CL</sub>: 0.88 Impeller Dia.: 4.14 (in.)

**Note:**

These curves are based on factory tests when pumping clear, fresh, non-aerated water at a temperature not exceeding 85°F. Due to production tolerances, these curves can vary plus or minus five percent.

## 6" SUBMERSIBLE CURVES

### WS Series



MODEL NO.	HP	STAGES
WS230250**	25.0	8
WS230300A**	30.0	9
WS230300**	30.0	10
WS230400**	40.0	13
WS230500A**	50.0	15
WS230500**	50.0	17
WS230600A**	60.0	18
WS230600**	60.0	20

\*\*6" motor bracket

**MODEL NO.: WS230300A4C3**

Series/Nominal Rated Flow (GPM)

Horsepower  
Divide by 10 for Rated Motor Horsepower (Example 20 ÷ 10 = 2.0 or 2HP)

Impeller Trim

Voltage  
1 = 115V 8 = 200V 2 = 230V 4 = 460V 5 = 575V

Wire/Control  
Blank = 2 wire C = Optional Control

Phase (PH)  
Blank = 1PH 3 = 3PH

PEI<sub>CL</sub>: 0.88 Impeller Dia.: 4.14 (in.)

**Note:**

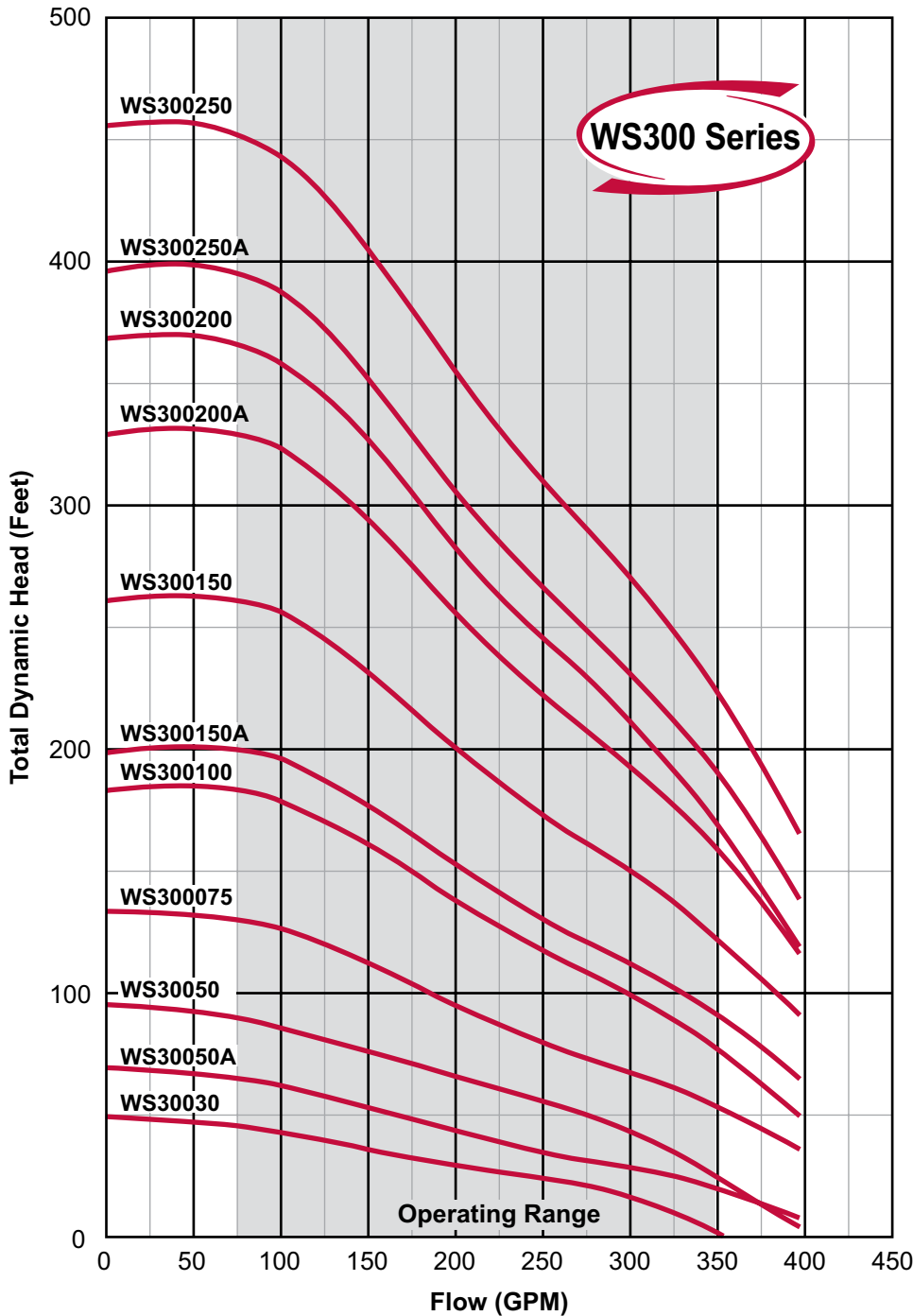
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# WS Series

## 6" SUBMERSIBLE CURVES



MODEL NO.	HP	STAGES
WS30030*	3.0	1B
WS30050A*	5.0	1
WS30050*	5.0	2BB
WS300075**	7.5	2
WS300100**	10.0	3A
WS300150A**	15.0	3
WS300150**	15.0	4
WS300200A**	20.0	5
WS300200**	20.0	6B
WS300250A**	25.0	6
WS300250**	25.0	7

\*4" motor bracket  
\*\*6" motor bracket

### MODEL NO.: WS300150A2C3

Series/Nominal Rated Flow (GPM)

Horsepower  
Divide by 10 for Rated Motor Horsepower (Example 20 ÷ 10 = 2.0 or 2HP)

Impeller Trim

Voltage  
1 = 115V 8 = 200V 2 = 230V 4 = 460V 5 = 575V

Wire/Control  
Blank = 2 wire C = Optional Control

Phase (PH)  
Blank = 1PH 3 = 3PH

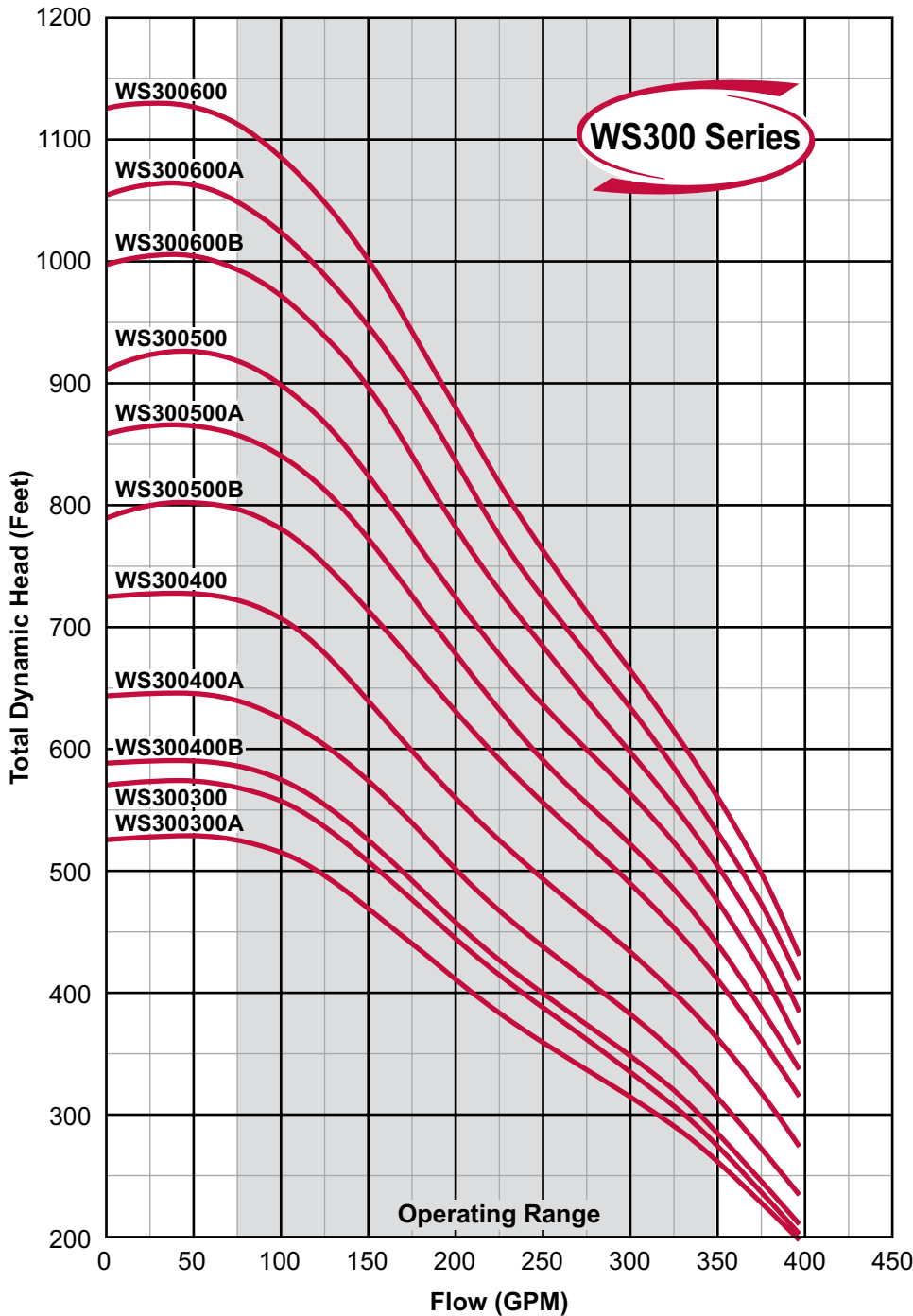
PEI<sub>CL</sub>: 0.90 Impeller Dia.: 4.15 (in.)

**Note:**

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## 6" SUBMERSIBLE CURVES

### WS Series



MODEL NO.	HP	STAGES
WS300300A**	30.0	8
WS300300**	30.0	9B
WS300400B**	40.0	9
WS300400A**	40.0	10
WS300400**	40.0	11
WS300500B**	50.0	12
WS300500A**	50.0	13
WS300500**	50.0	14
WS300600B**	60.0	15
WS300600A**	60.0	16
WS300600**	60.0	17

\*\*6" motor bracket

**MODEL NO.: WS400250A2C3**

Series/Nominal Rated Flow (GPM)

Horsepower  
Divide by 10 for Rated Motor Horsepower (Example 20 ÷ 10 = 2.0 or 2HP)

Impeller Trim

Voltage  
1 = 115V 8 = 200V 2 = 230V 4 = 460V 5 = 575V

Wire/Control  
Blank = 2 wire C = Optional Control

Phase (PH)  
Blank = 1PH 3 = 3PH

PEI<sub>CL</sub>: .90 Impeller Dia.: 4.15 (in.)

**Note:**

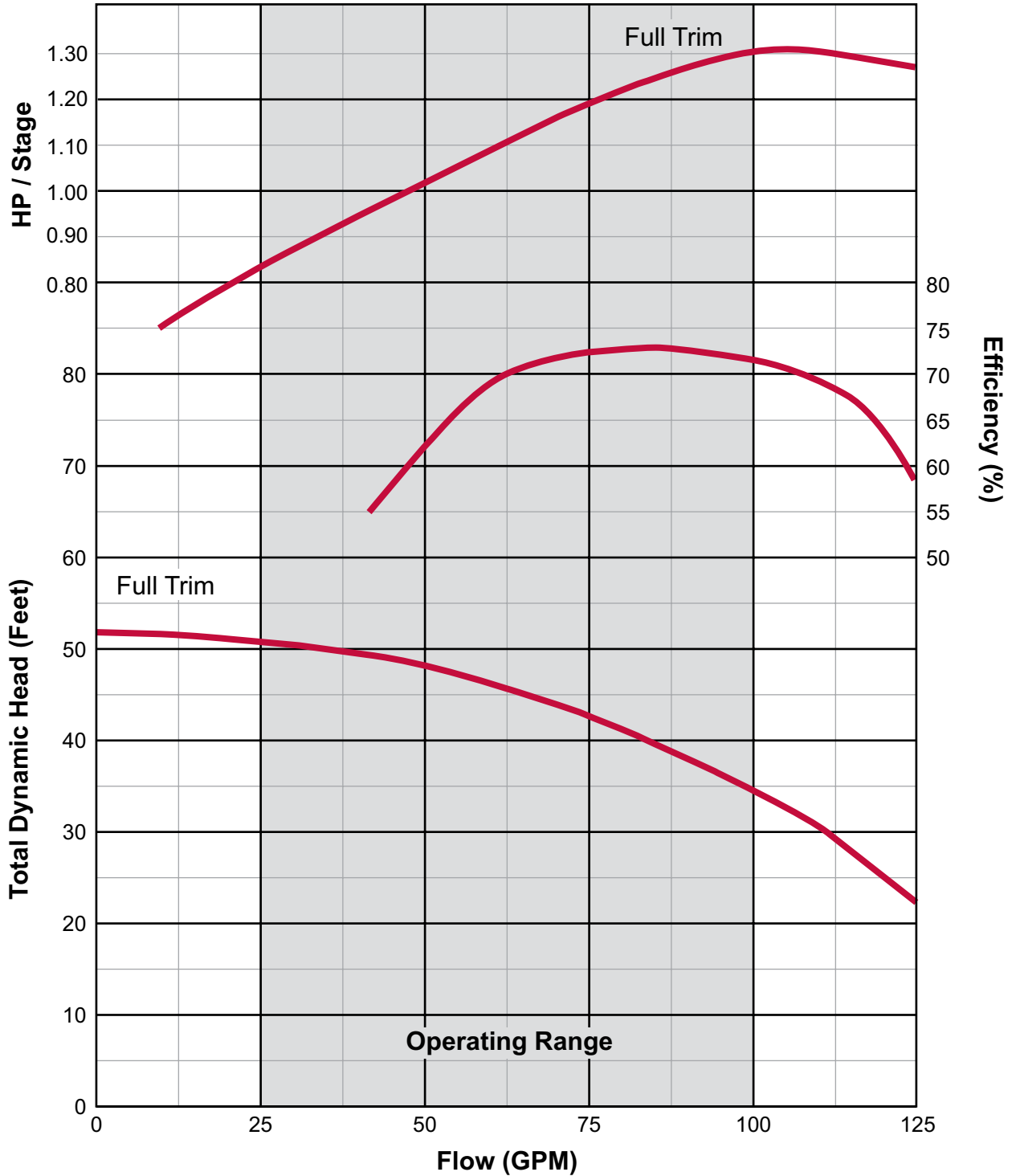
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**WS Series**

### 6" 90 SERIES HP / EFF CURVES



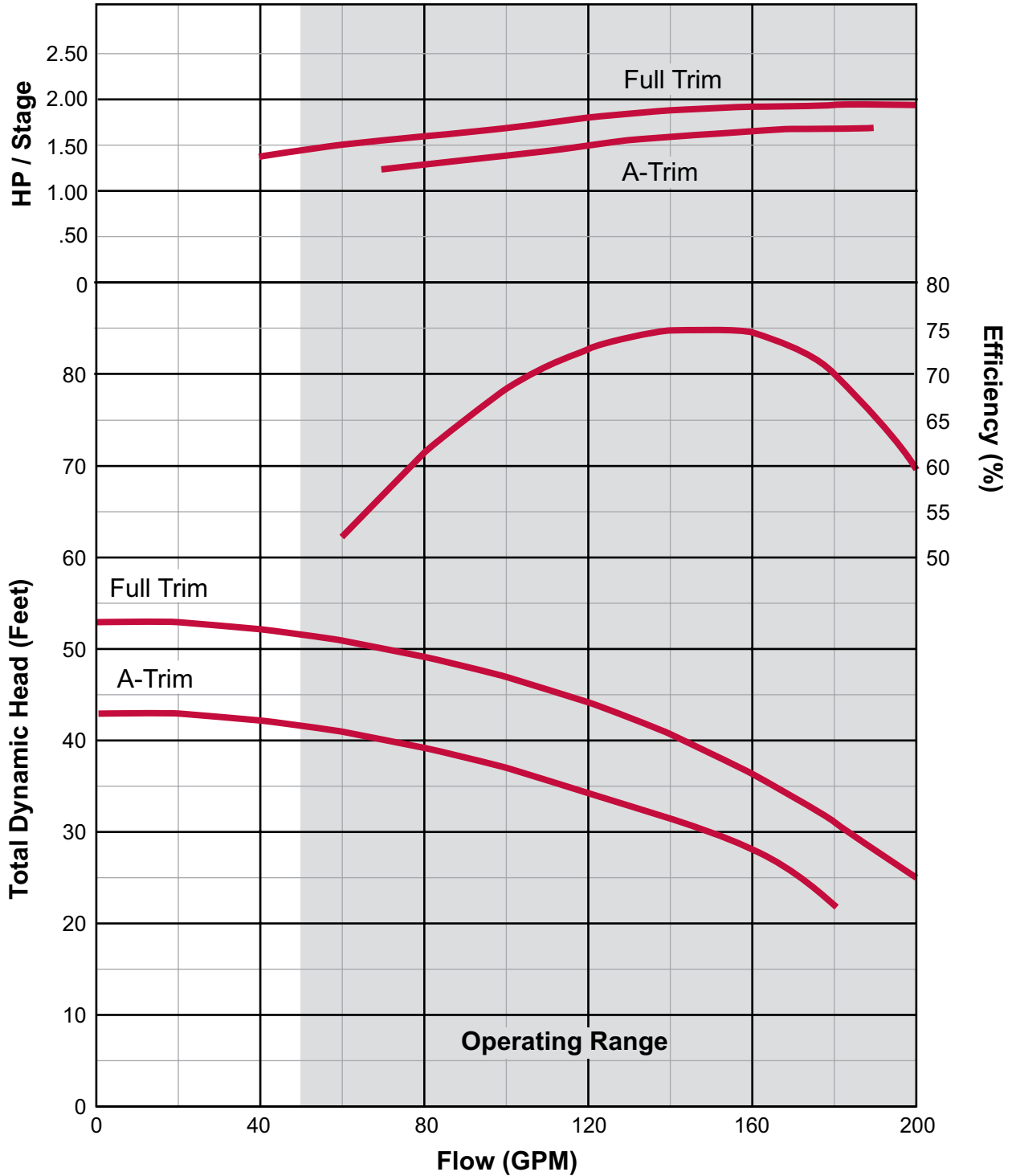
**Note:**

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## 6" 150 SERIES HP / EFF CURVES



**Note:**

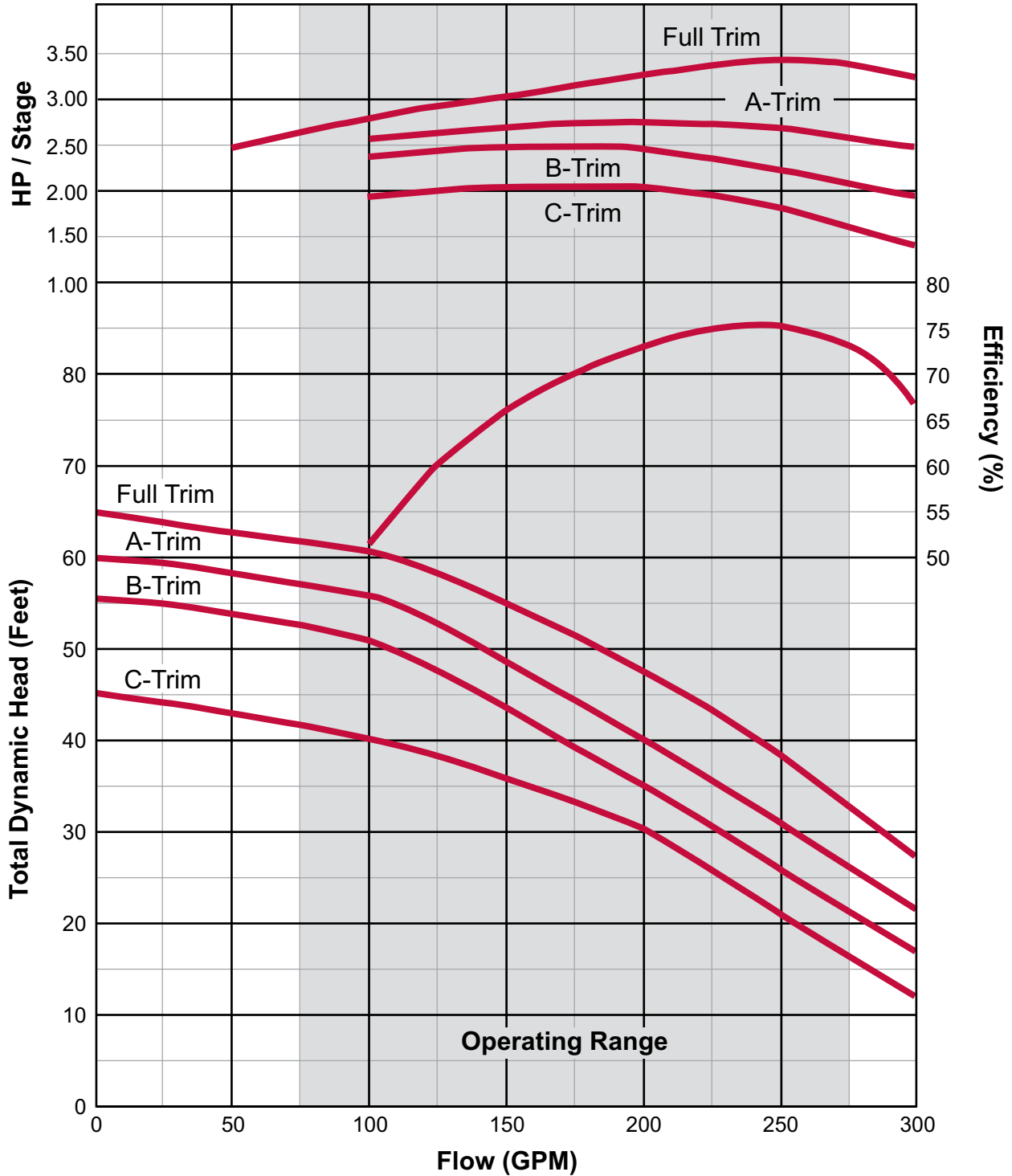
These curves are based on factory tests when pumping clear, fresh, non-aerated water at a temperature not exceeding 85°F. Due to production tolerances, these curves can vary plus or minus five percent.



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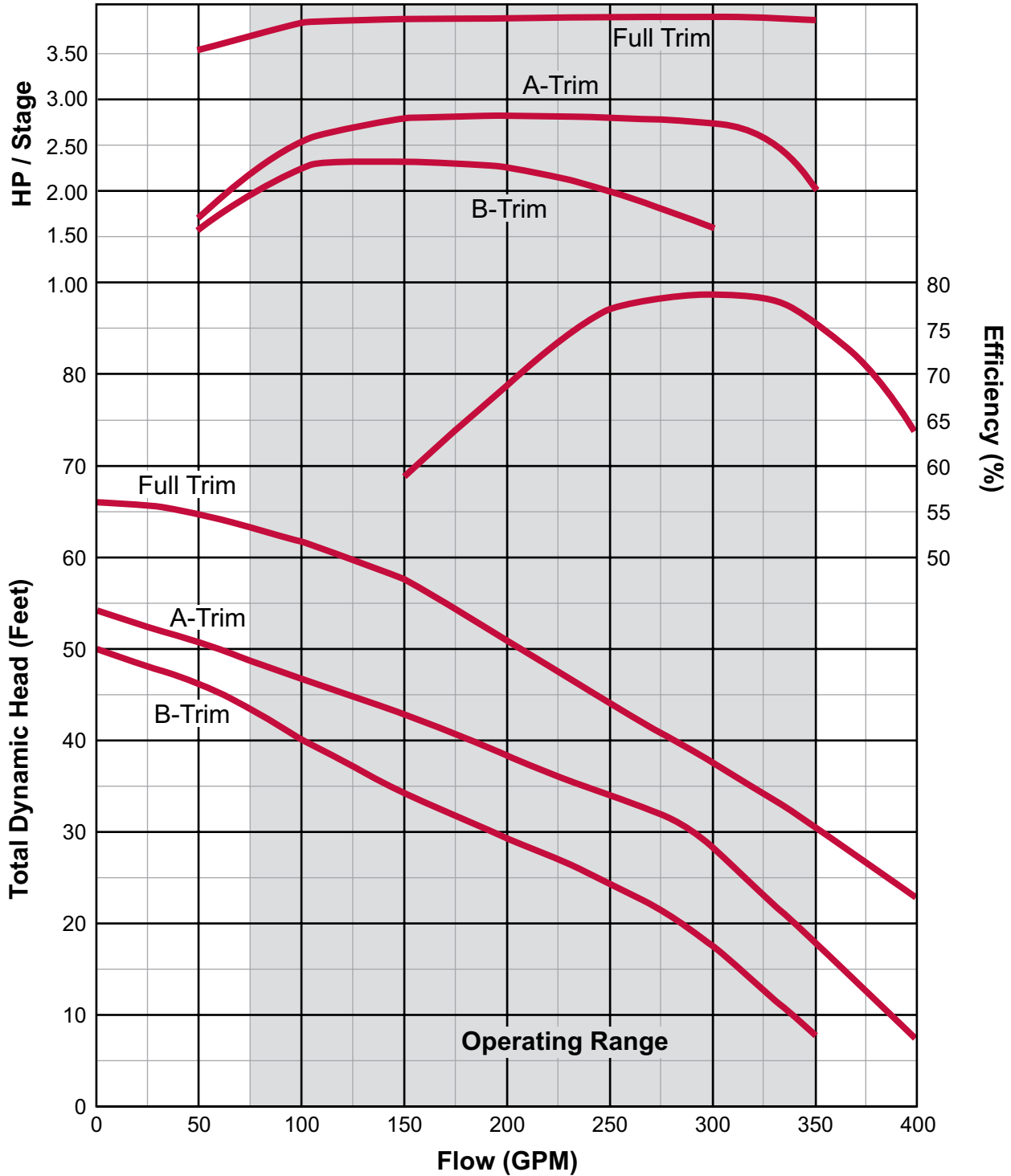
**WS Series**

### 6" 230 SERIES HP / EFF CURVES



**Note:**  
 These curves are based on factory tests when pumping clear, fresh, non-aerated water at a temperature not exceeding 85°F.  
 Due to production tolerances, these curves can vary plus or minus five percent.

## 6" 300 SERIES HP / EFF CURVES



**Note:**

These curves are based on factory tests when pumping clear, fresh, non-aerated water at a temperature not exceeding 85°F. Due to production tolerances, these curves can vary plus or minus five percent.