

## 8" WS SERIES SUBMERSIBLE TURBINE



### Webtrol's 8" WS Series Turbine

All stainless steel line of 8" submersible pumps, which are designed for heavy duty and high volume pumping jobs.

The **WS** Series is made entirely of corrosion and abrasion resistant stainless steel.

A perfect choice for municipal water supply and distribution as well as agricultural irrigation and mine dewatering.

Heavy duty, built in check valve for maximum performance and longer life.

Motor mounting specification is in accordance with NEMA standards.

### Specifications

- Flows to 650 GPM.
- Heads to 1,340 feet.
- HP range: 7 1/2 - 125 HP, 60Hz



Powered By

**Franklin Electric**

## 8" WS SERIES SUBMERSIBLE TURBINE

### Construction And Design Features



Precision cast 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.

A 304 stainless steel **impeller**, precision made to ensure optimal performance and offers superior resistance to abrasion.

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

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.

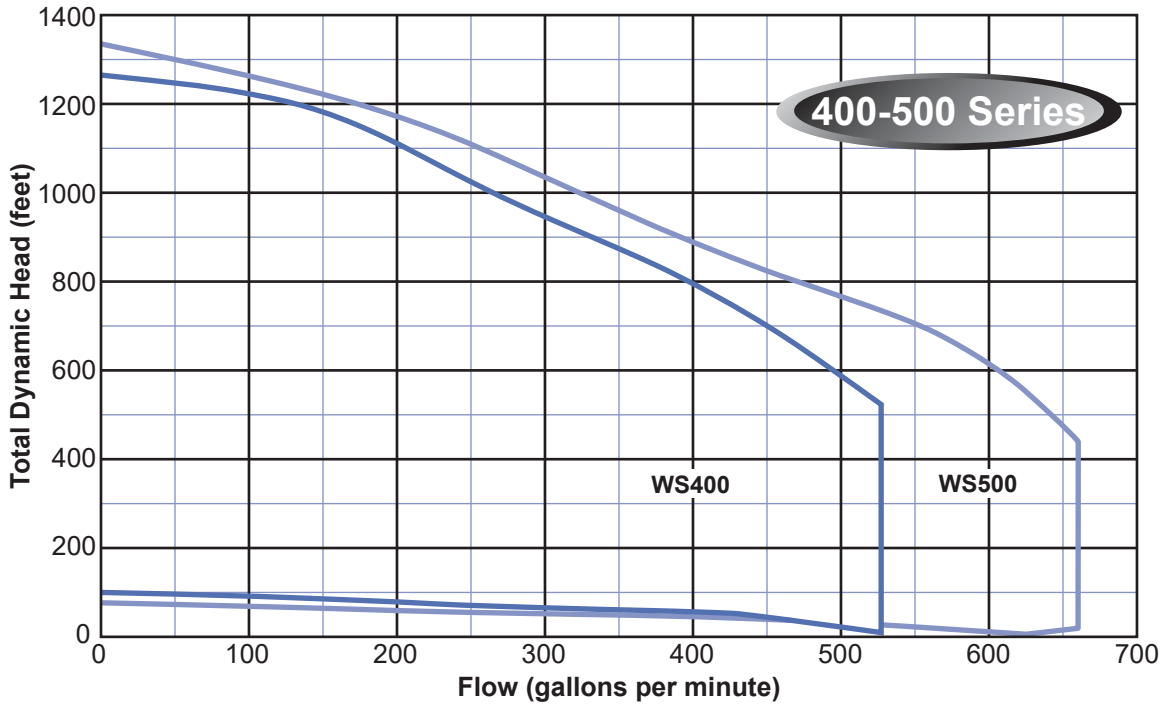
Every pump has a 304 stainless steel **strainer** to stop debris from entering the pump.

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

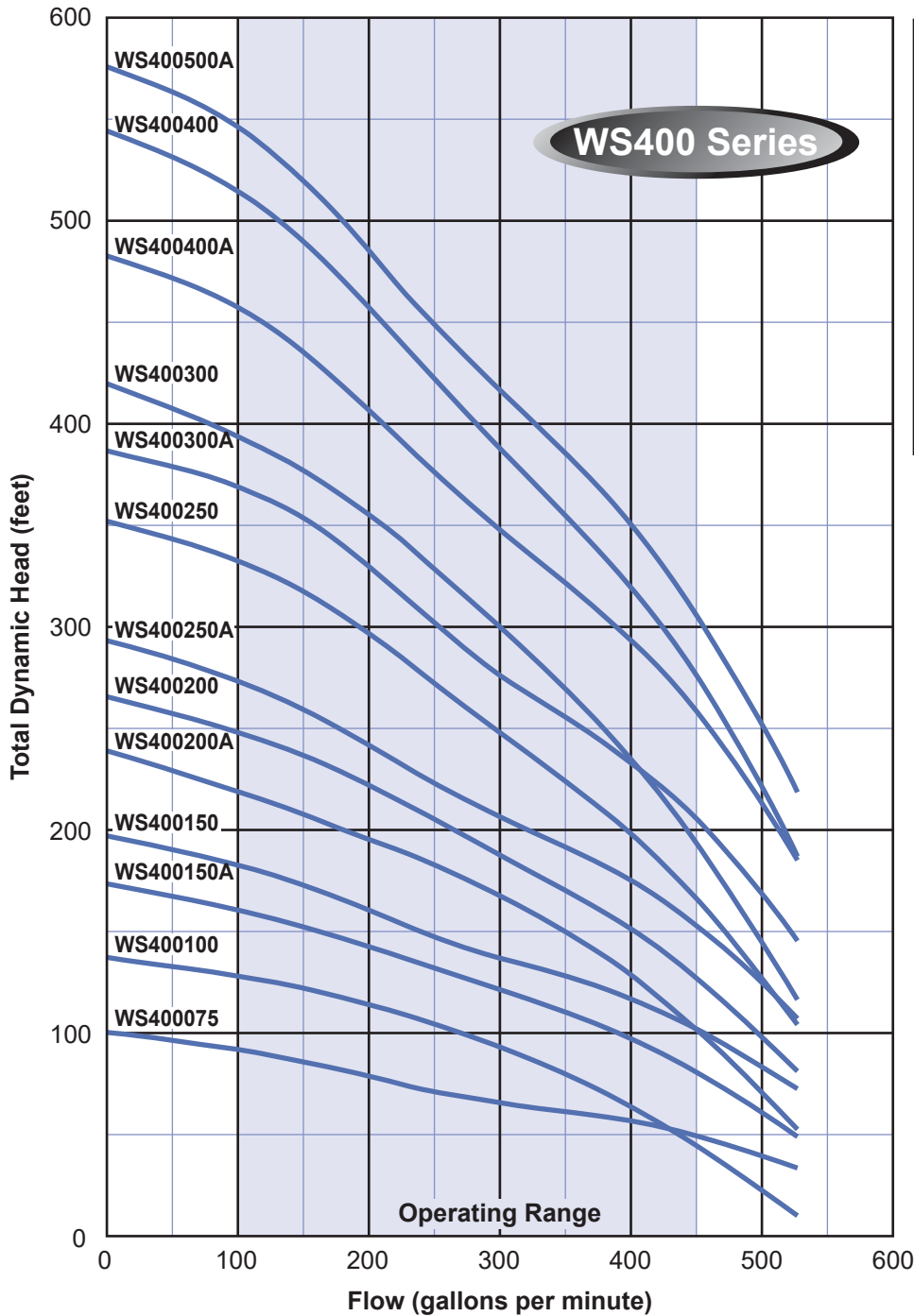
Series	*Discharge	O.D. (One Motor Lead)
WS400	5" NPT	7.01" - 6" Mtr. / 7.87 - 8" Mtr.
WS500	5" NPT	7.05" - 6" Mtr. / 8.07 - 8" Mtr.

See price pages for lengths and weights.

## 8" WS SERIES SUBMERSIBLE TURBINE FAMILY CURVES



## 8" WS SERIES SUBMERSIBLE TURBINE CURVES



MODEL NO.	HP	STAGES
WS400075	7.5	1
WS400100	10.0	2AB
WS400150A	15.0	2A
WS400150	15.0	2
WS400200A	20.0	3AA
WS400200	20.0	3A
WS400250A	25.0	3
WS400250	25.0	4B
WS400300A	30.0	4
WS400300	30.0	5BB
WS400400A	40.0	5
WS400400	40.0	6B
WS400500A	50.0	6

### 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

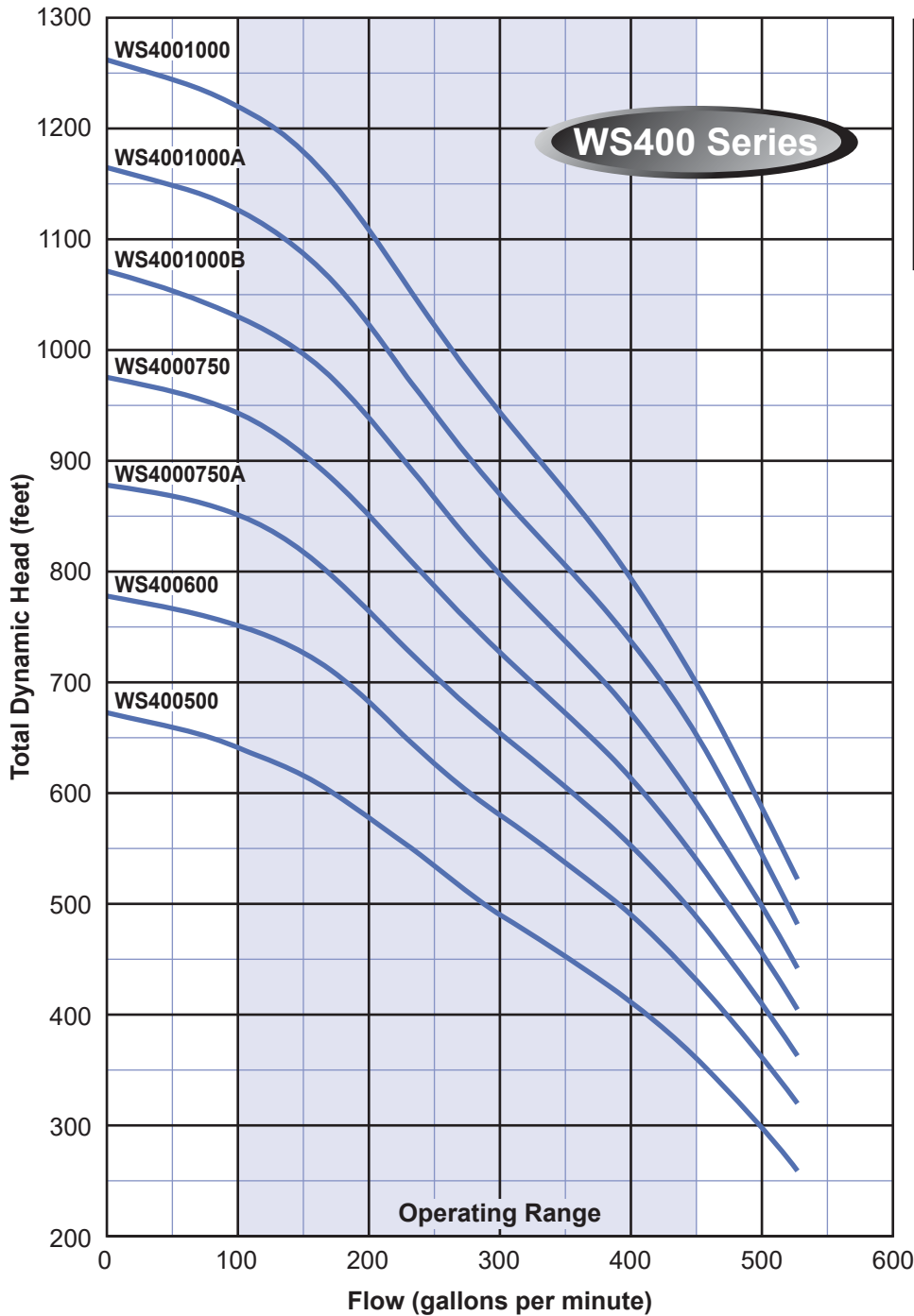
Wire/Control  
Blank = 2 wire C = Optional Control

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

**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.

## 8" WS SERIES SUBMERSIBLE TURBINE CURVES



MODEL NO.	HP	STAGES
WS400500	50.0	7
WS400600	60.0	8
WS4000750A	75.0	9
WS4000750	75.0	10
WS4001000B	100.0	11
WS4001000A	100.0	12
WS4001000	100.0	13

### MODEL NO.: WS4000750A4C3

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

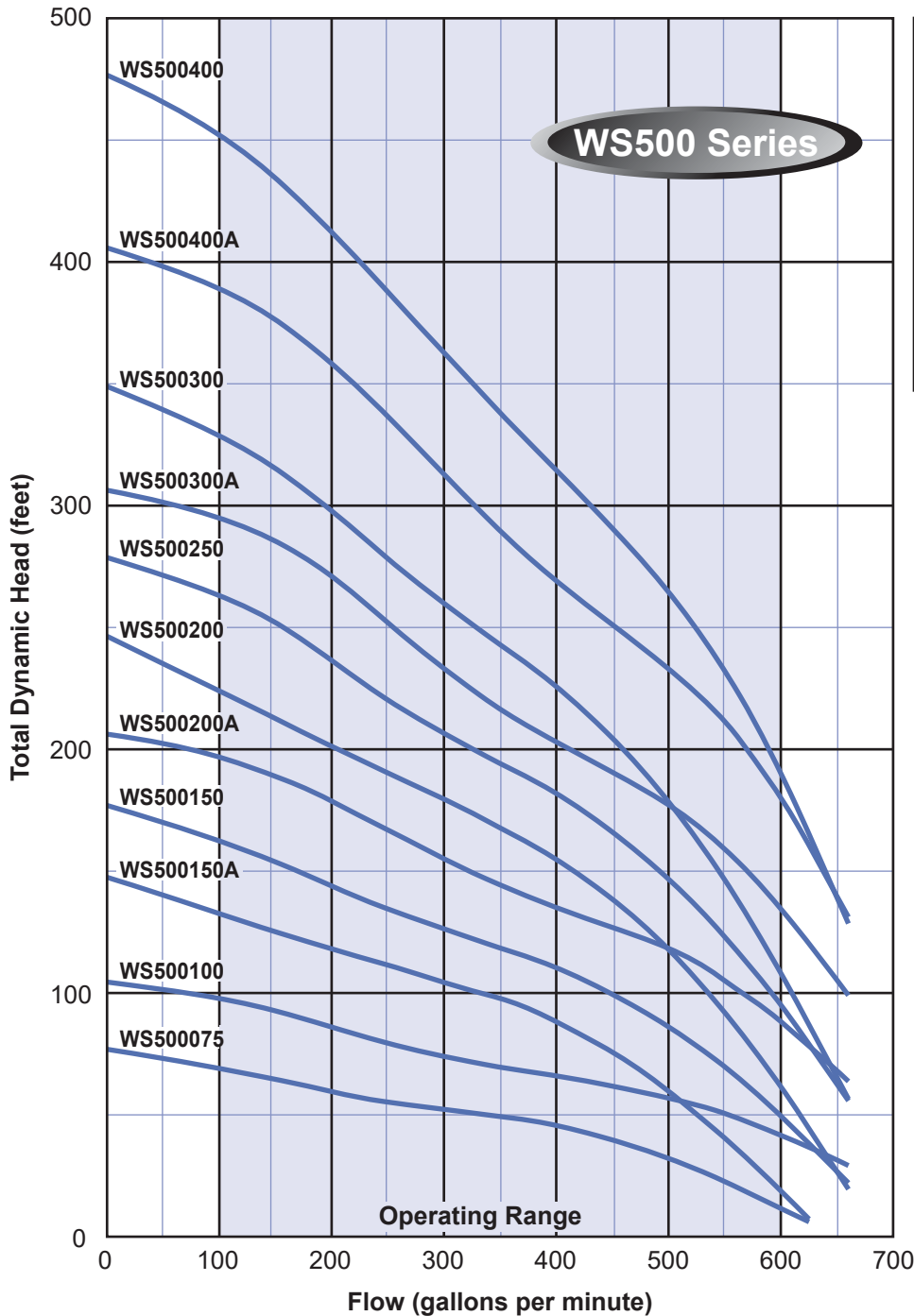
Phase (PH)

Blank = 1PH 3 = 3PH

#### Note:

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## 8" WS SERIES SUBMERSIBLE TURBINE CURVES



MODEL NO.	HP	STAGES
WS500075	7.5	1A
WS500100	10.0	1
WS500150A	15.0	2AB
WS500150	15.0	2B
WS500200A	20.0	2
WS500200	20.0	3BB
WS500250	25.0	3B
WS500300A	30.0	3
WS500300	30.0	4AB
WS500400A	40.0	4
WS500400	40.0	5B

**MODEL NO.:** WS500200A2C3

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

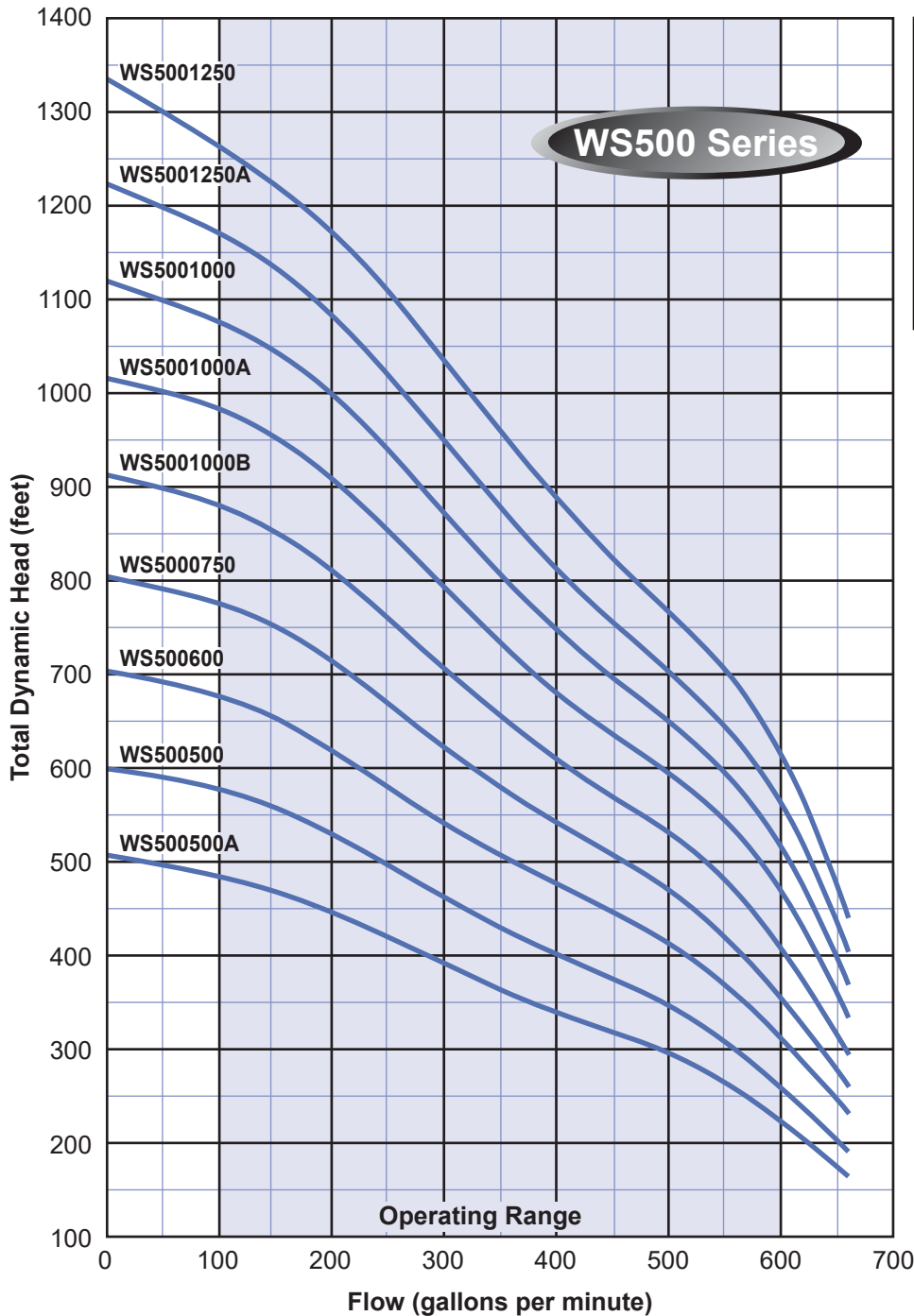
Wire/Control  
Blank = 2 wire C = Optional Control

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

**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.

## 8" WS SERIES SUBMERSIBLE TURBINE CURVES



MODEL NO.	HP	STAGES
WS500500A	50.0	5
WS500500	50.0	6
WS500600	60.0	7
WS5000750	75.0	8
WS5001000B	100.0	9
WS5001000A	100.0	10
WS5001000	100.0	11
WS5001250A	125.0	12
WS5001250	125.0	13

### MODEL NO.: WS500500A4C3

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 \_\_\_\_\_

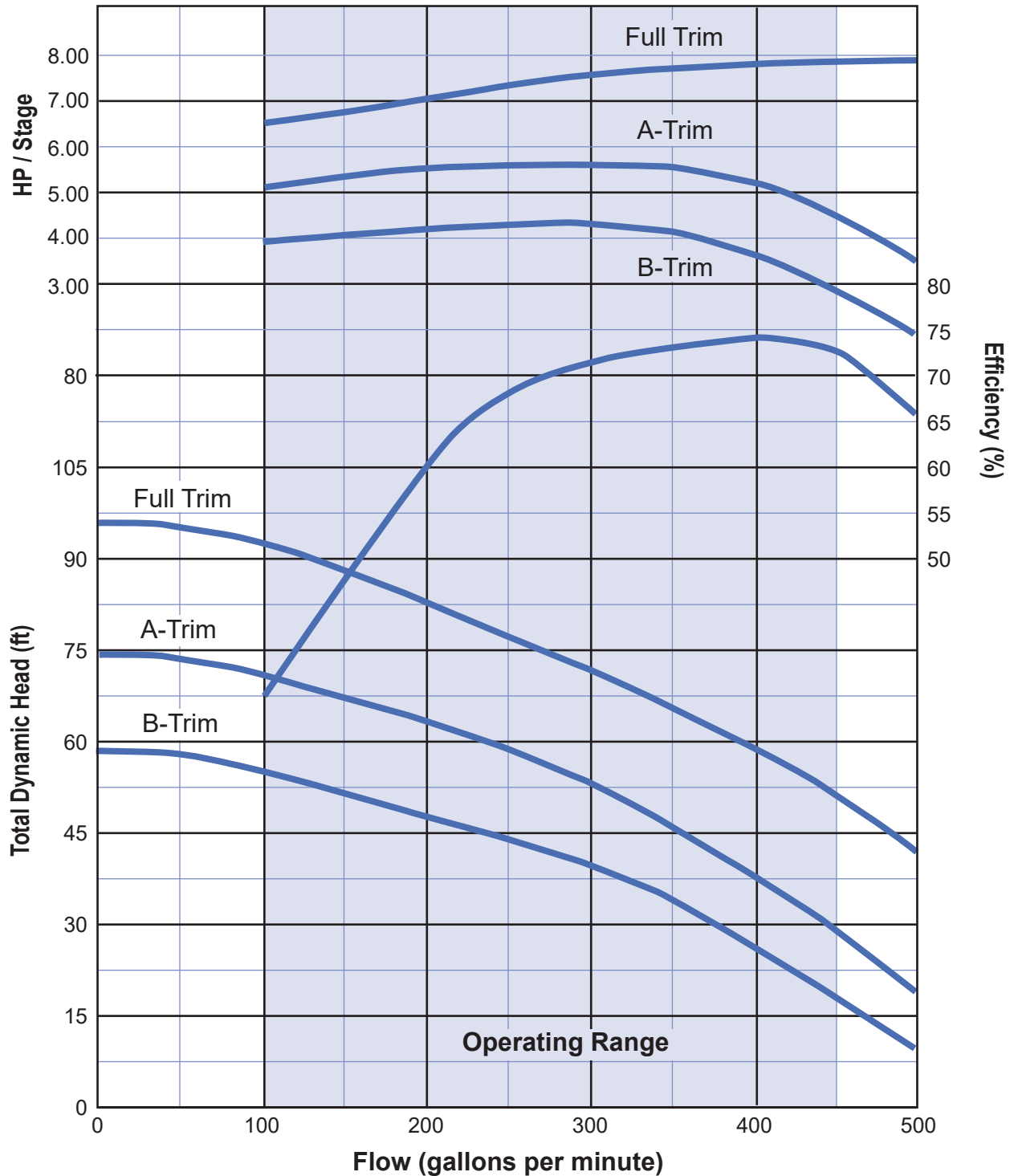
Wire/Control  
Blank = 2 wire C = Optional Control \_\_\_\_\_

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

**Note:**

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## 8" WS 400 SERIES HP / EFF CURVE

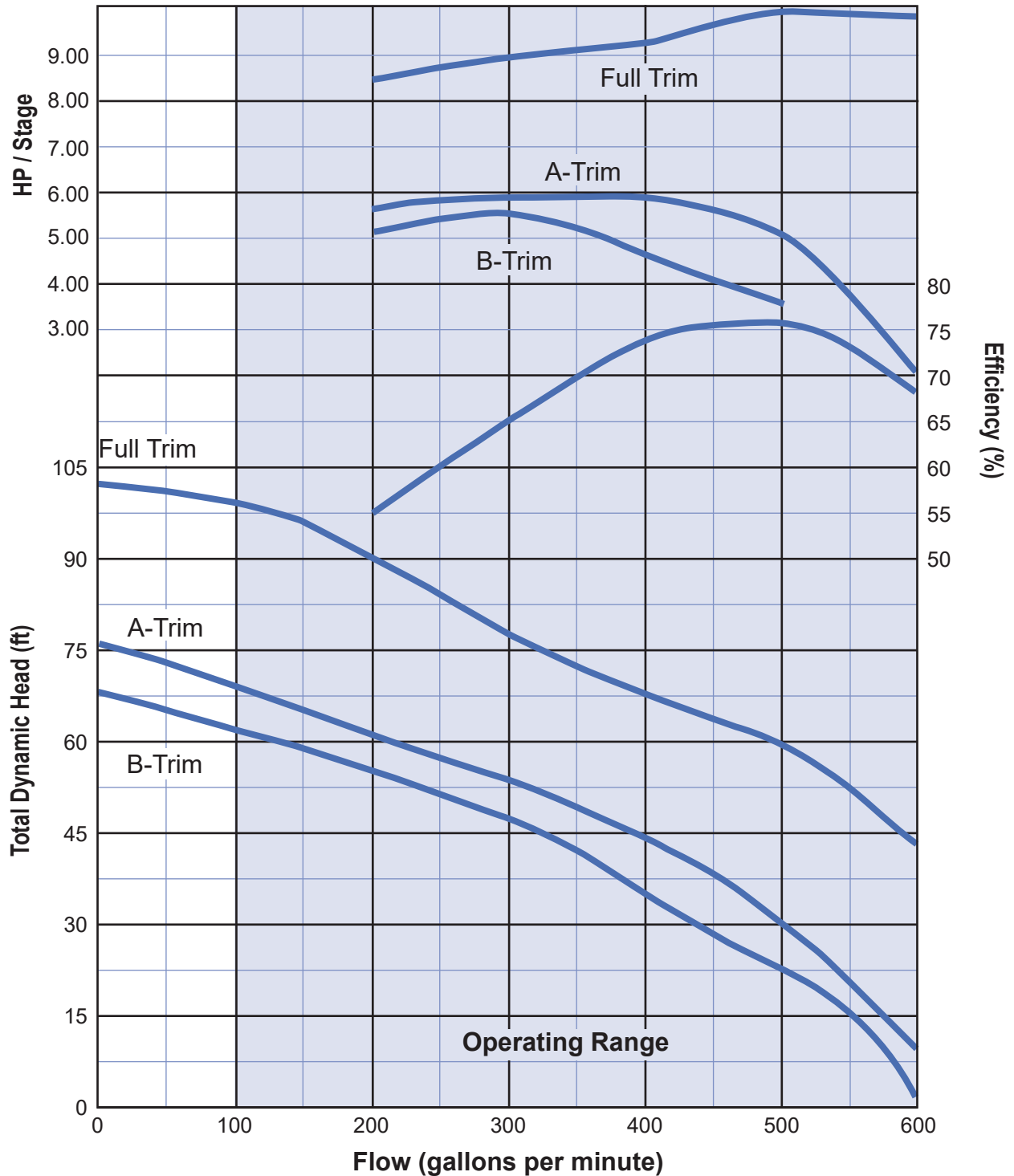


**Note:**

These curves are based on single stage, 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.



## 8" WS 500 SERIES HP / EFF CURVE



**Note:**

These curves are based on single stage, 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.