

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.

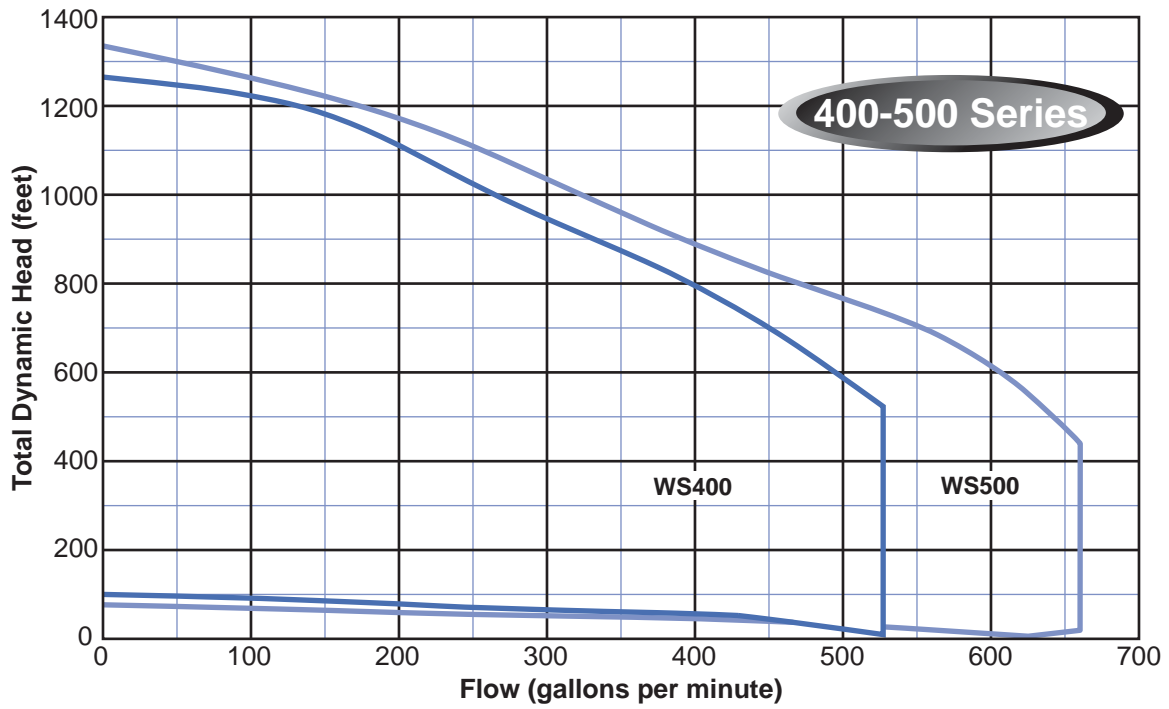
Every pump has a 304 stainless steel **strainer** to stop debris from entering the pump.

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

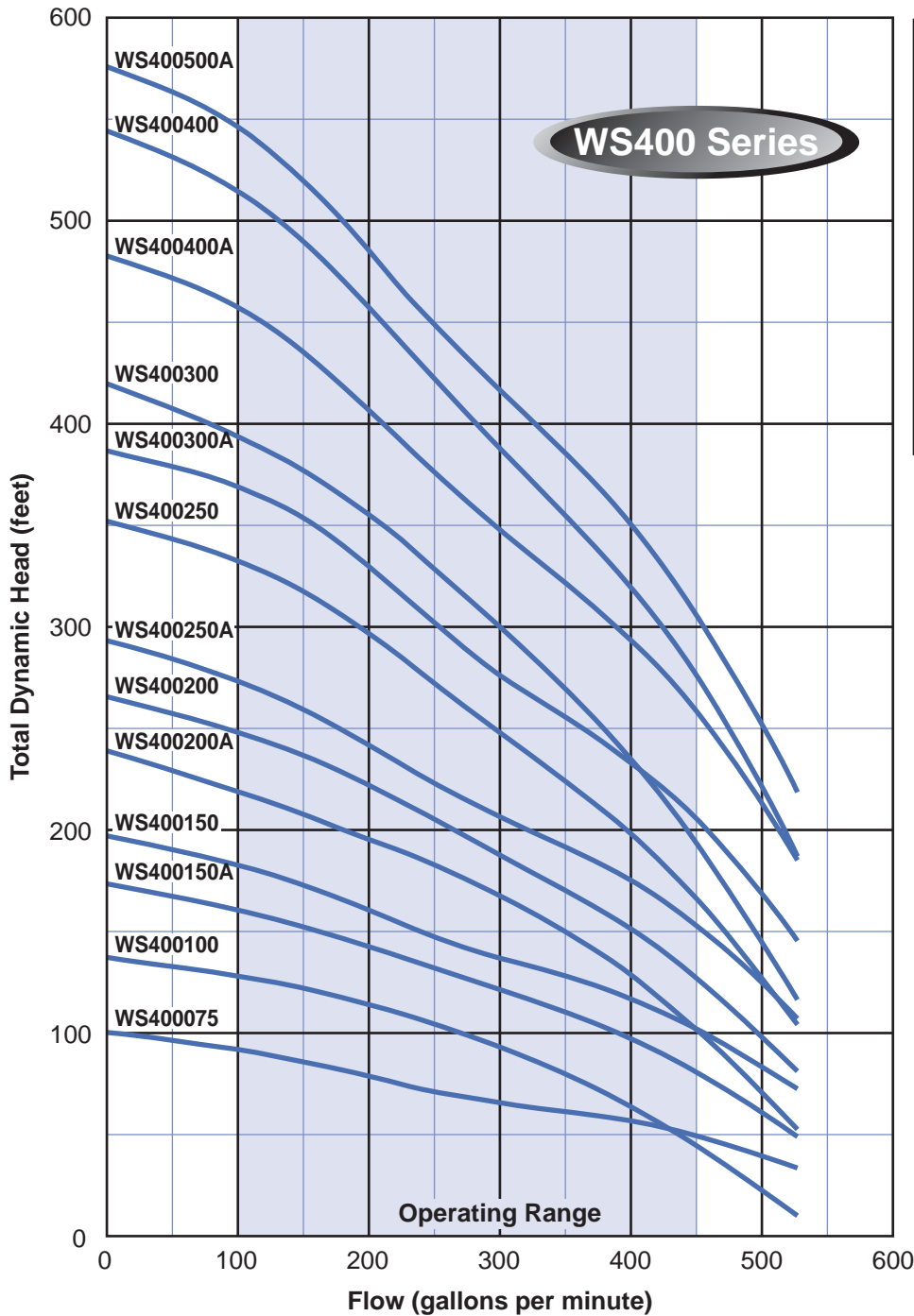
| Series | *Discharge | O.D. (One Motor Lead) |
|--------|------------|----------------------------------|
| WS400 | 5" NPT | 7.01" - 6" Mtr. / 7.87 - 8" Mtr. |
| WS500 | 5" NPT | 7.05" - 6" Mtr. / 8.07 - 8" Mtr. |

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

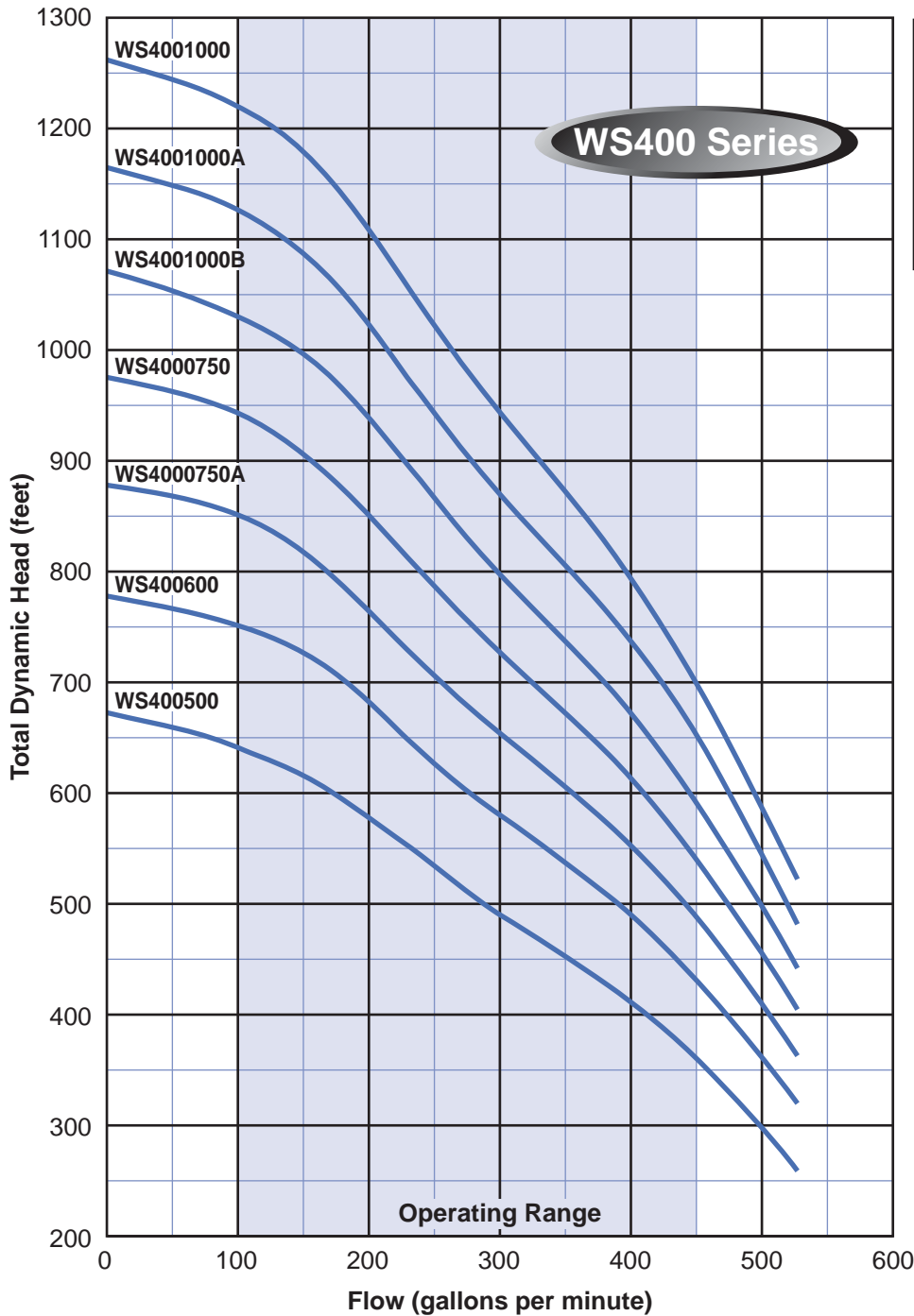
Wire/Control
Blank = 2 wire C = Optional Control

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
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Impeller Trim

Voltage

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Wire/Control

Blank = 2 wire C = Optional Control

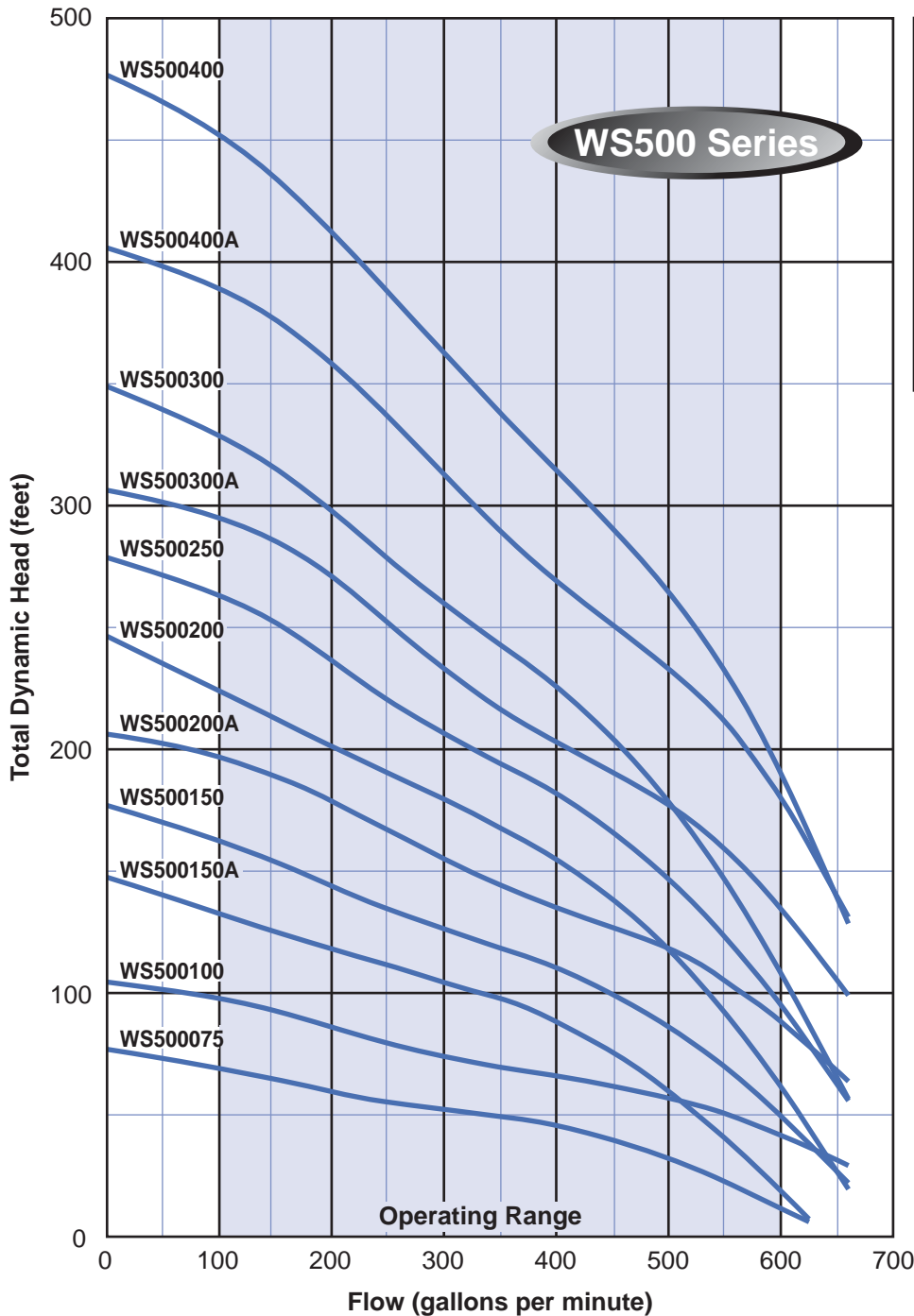
Phase (PH)

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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
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Impeller Trim

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

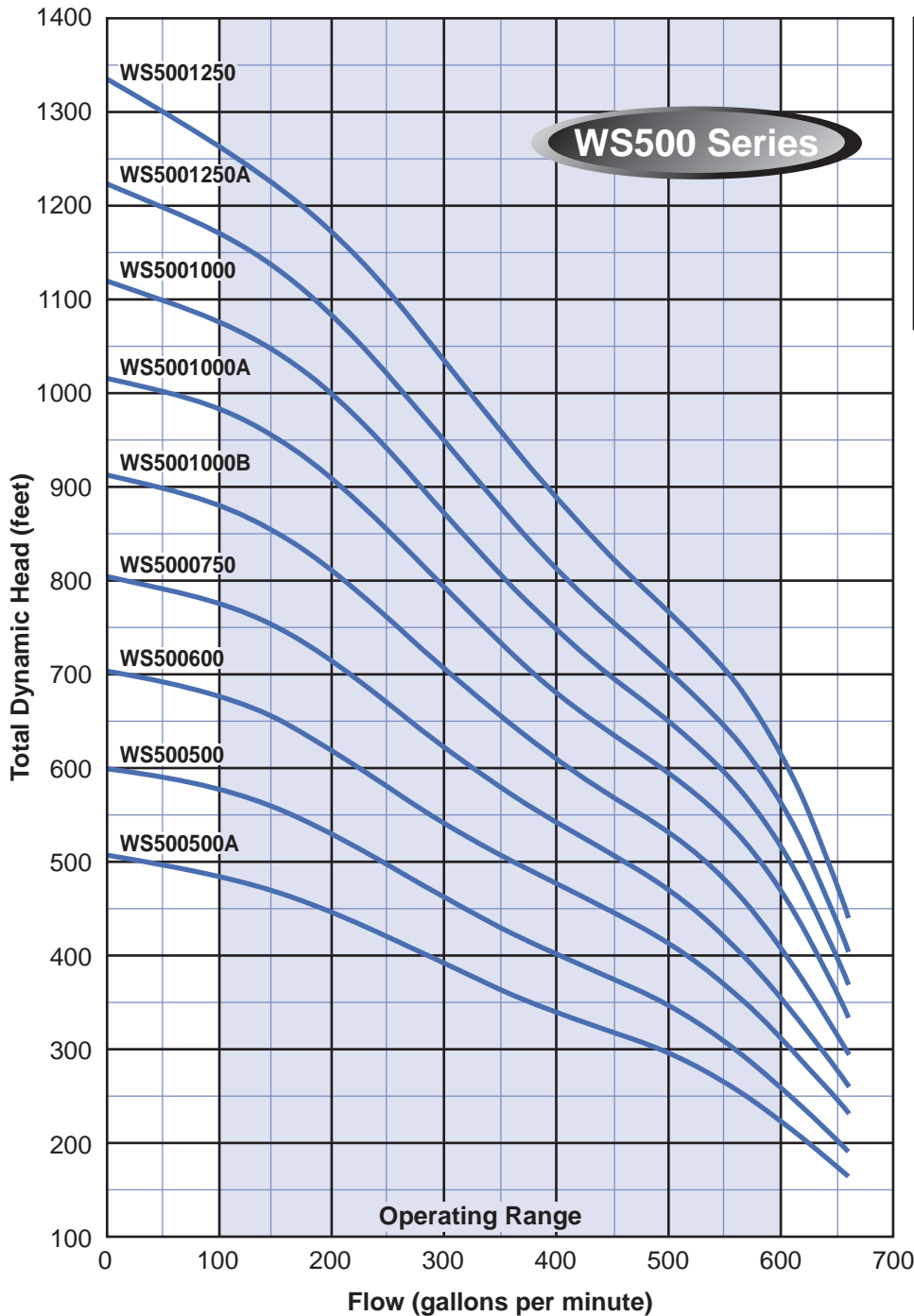
Wire/Control
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Phase (PH)
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Note:

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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

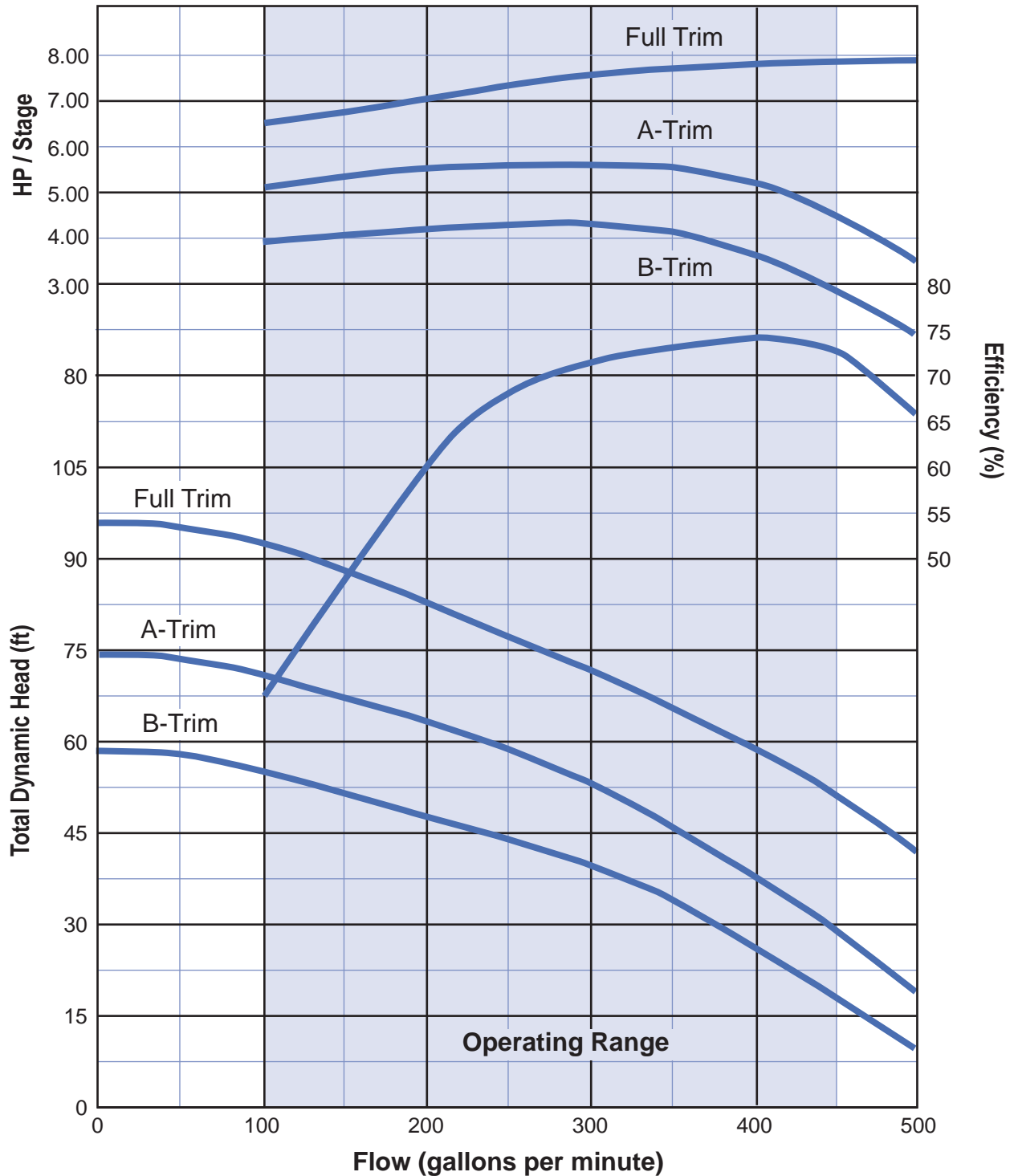
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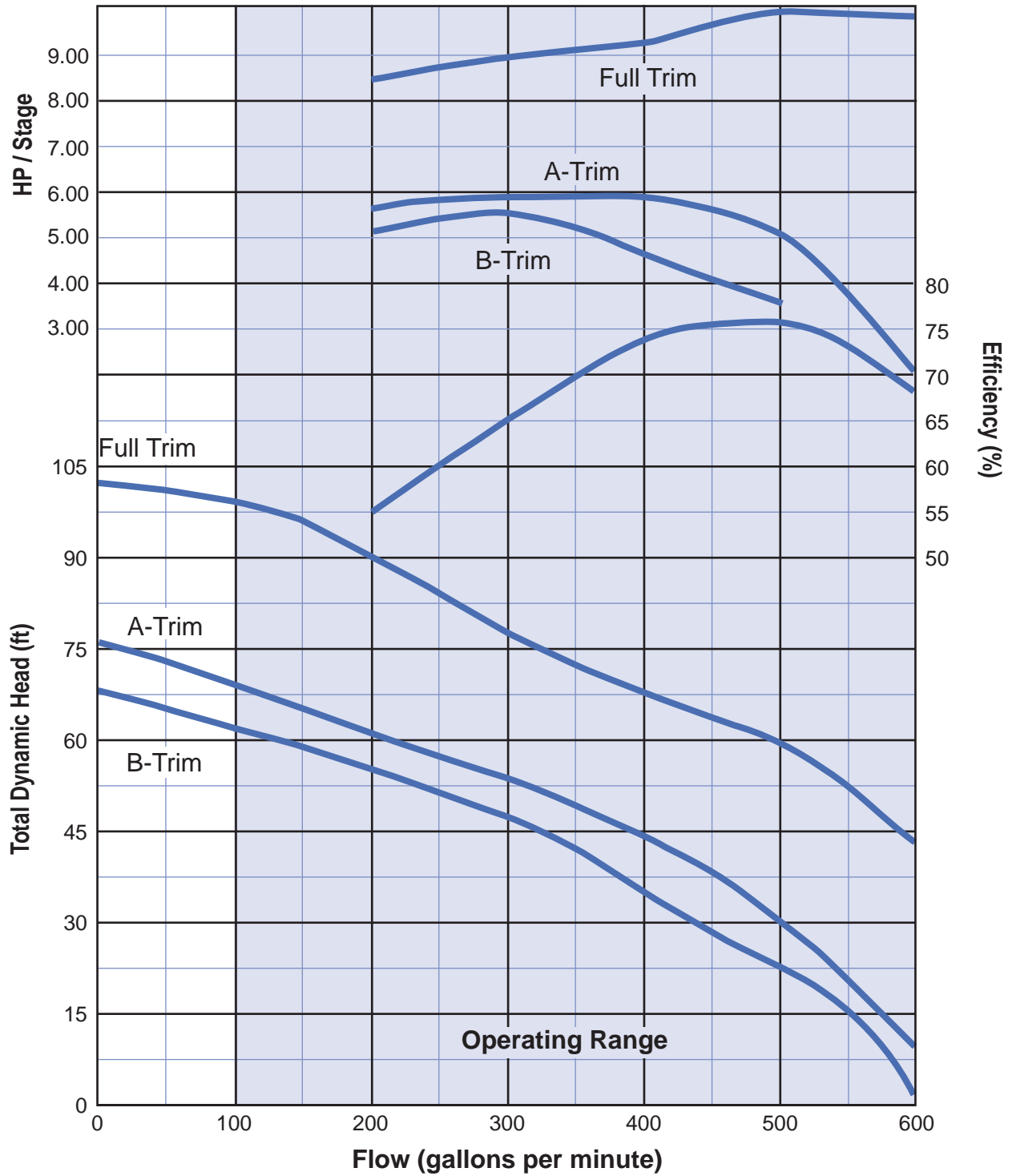
8" WS 400 SERIES HP / EFF CURVE



Note:

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8" WS 500 SERIES HP / EFF CURVE



Note:

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