

6" WS SERIES SUBMERSIBLE TURBINE



Webtrol's 6" WS Series Turbine

All stainless steel line of 6" submersible pumps, designed for efficient, dependable performance, to ensure a long and trouble free life span.

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

An excellent choice for use on the most demanding residential, commercial and municipal jobs.

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

Motor mounting specification is in accordance with NEMA standards.

Specifications

- Flows to 400 GPM.
- Heads to 1,780 feet.
- HP range: 1 1/2 - 60 HP, 60Hz



Powered By

Franklin Electric

6" WS SERIES SUBMERSIBLE TURBINE

Construction And Design Features



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.

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.

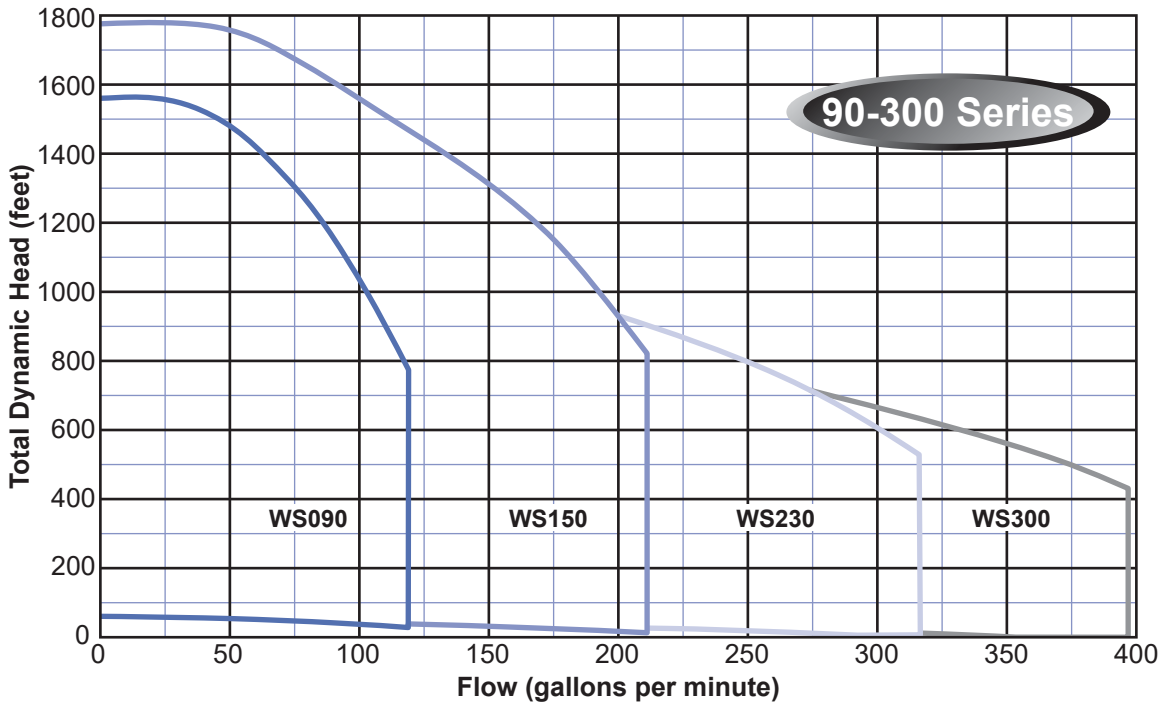
Every pump has a 304 stainless steel **strainer** to stop debris from entering the pump.

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

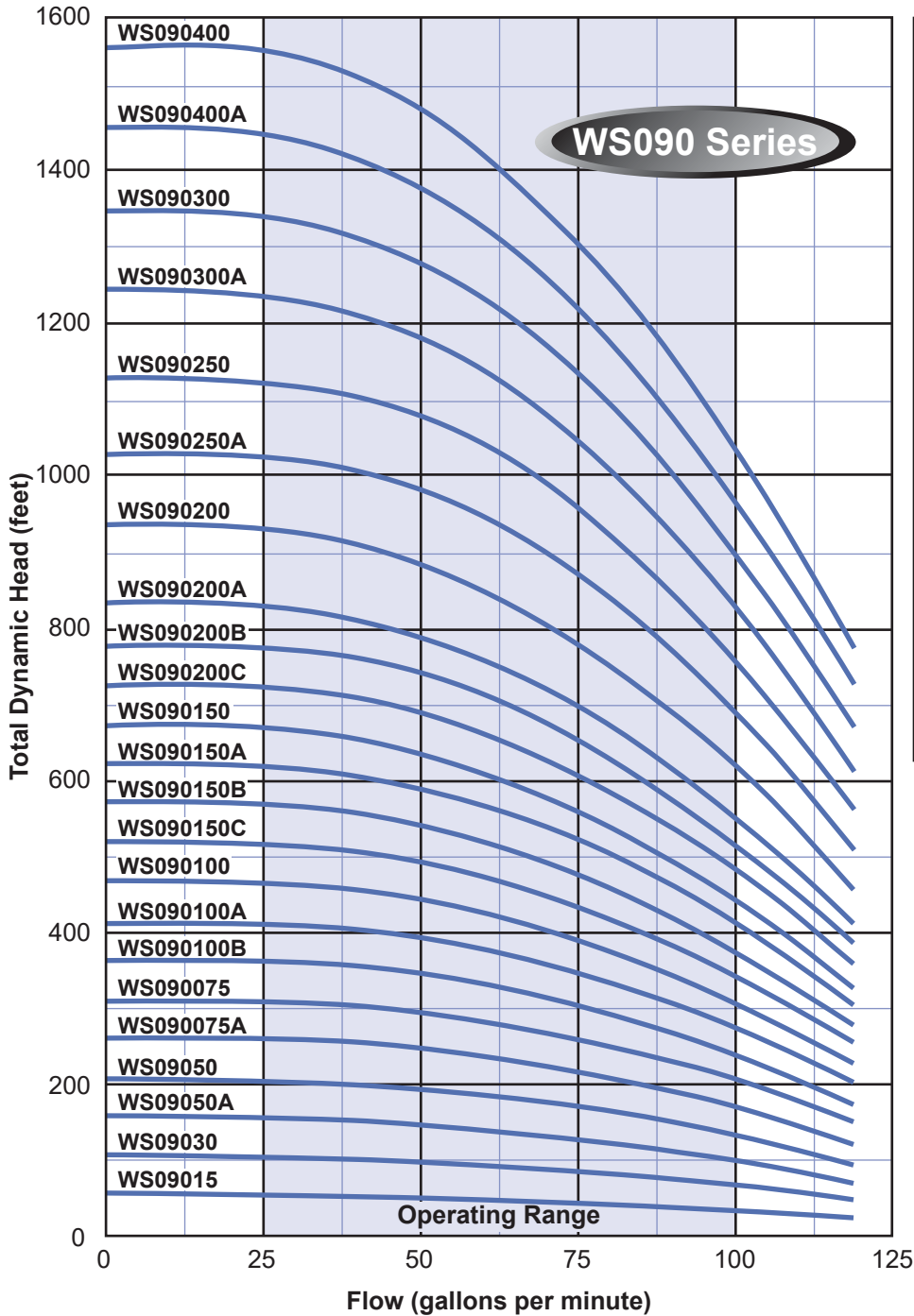
Series	*Discharge	O.D. (One Motor Lead)
WS090	3" NPT	5.59" - 6" Mtr.
WS150	3" NPT	5.59" - 6" Mtr.
WS230	4" NPT	5.87" - 6" Mtr.
WS300	4" NPT	5.87" - 6" Mtr.

See price pages for lengths and weights.

6" WS SERIES SUBMERSIBLE TURBINE FAMILY CURVES



6" WS SERIES 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

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

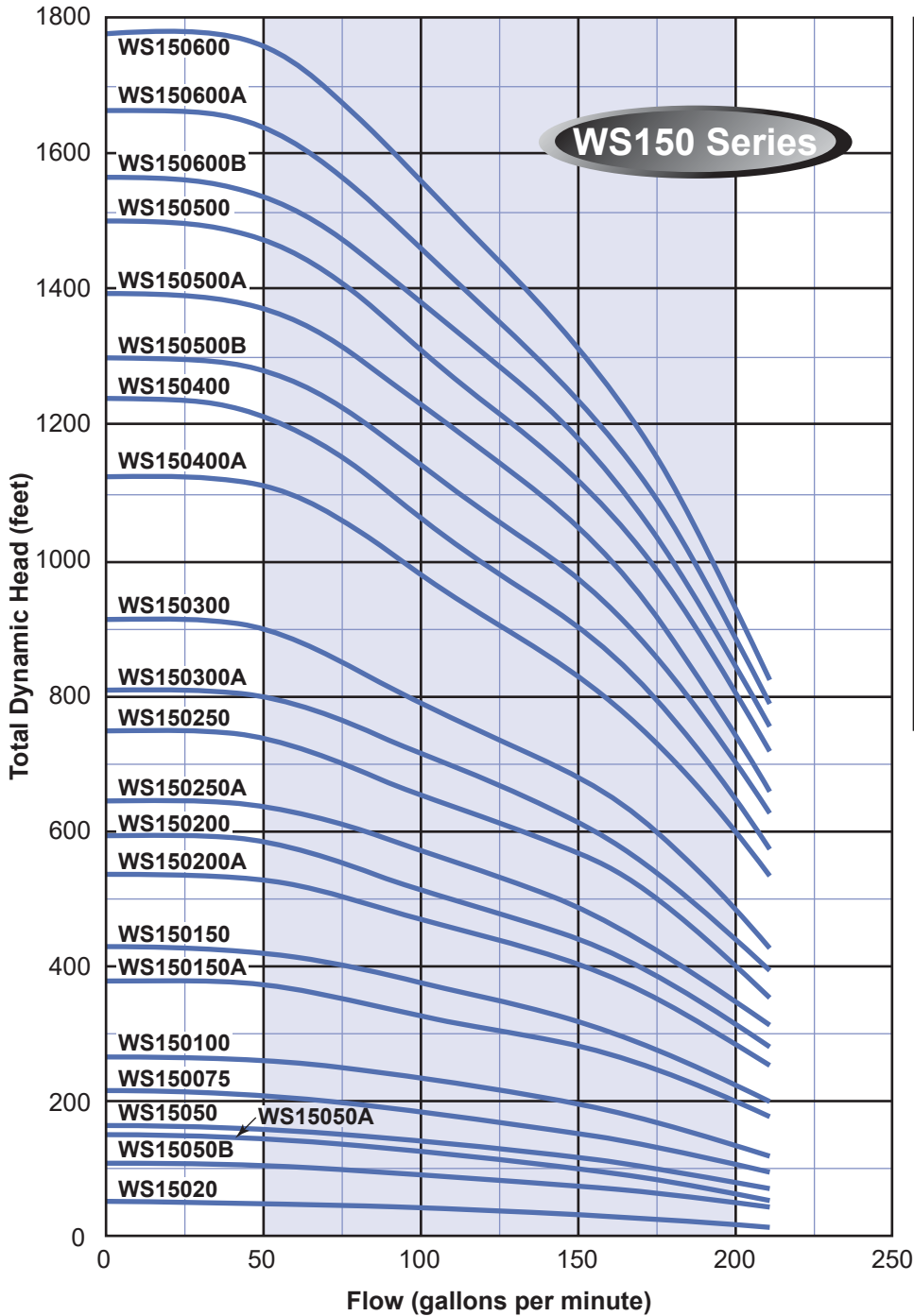
Wire/Control
Blank = 2 wire C = Optional Control

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

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" WS SERIES SUBMERSIBLE CURVES



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
WS150600B	60.0	29
WS150600A	60.0	31
WS150600	60.0	33

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

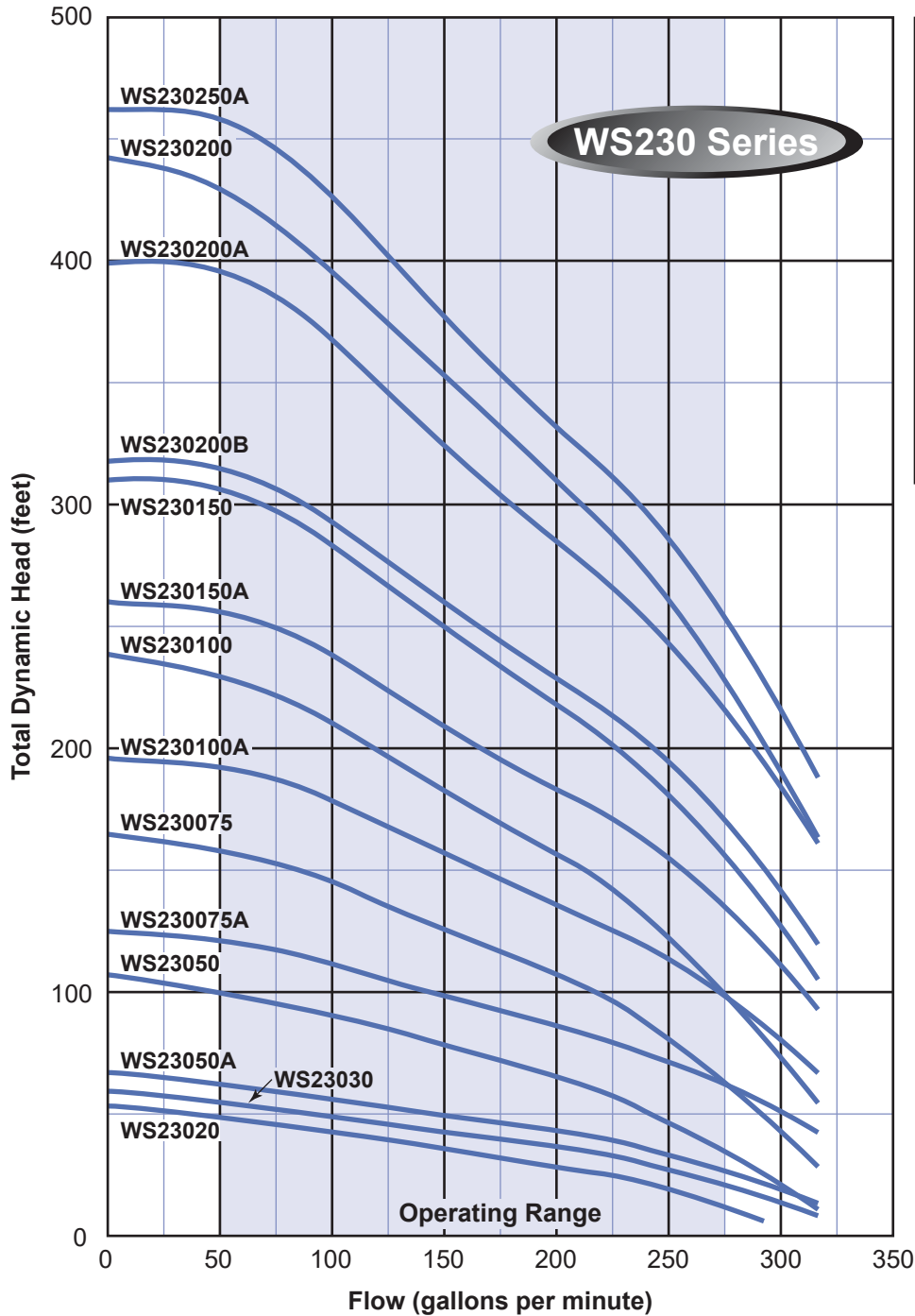
Wire/Control
Blank = 2 wire C = Optional Control

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

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" WS SERIES 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

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

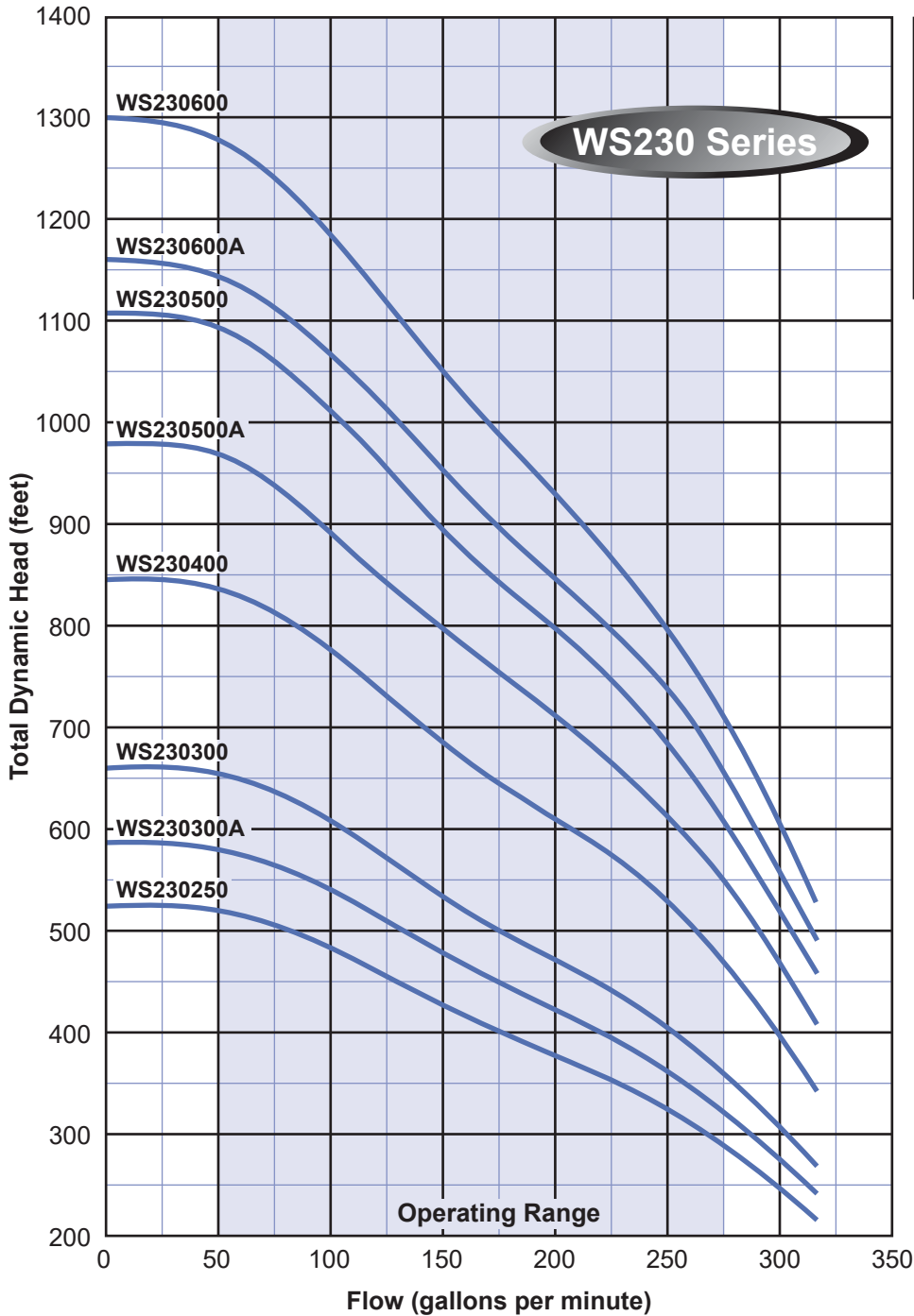
Wire/Control
Blank = 2 wire C = Optional Control

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

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" WS SERIES SUBMERSIBLE CURVES



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

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

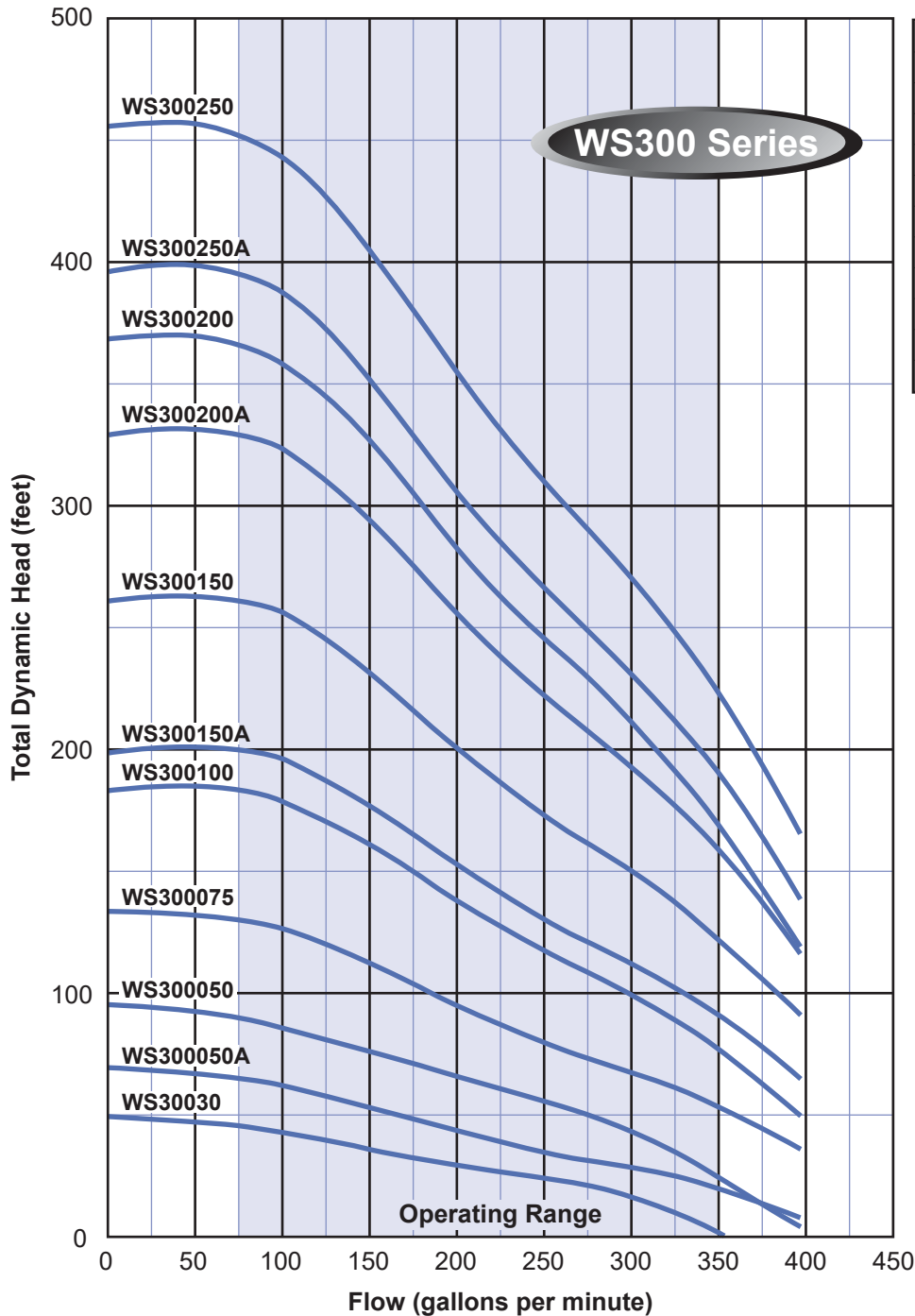
Wire/Control
Blank = 2 wire C = Optional Control

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

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" WS SERIES 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

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

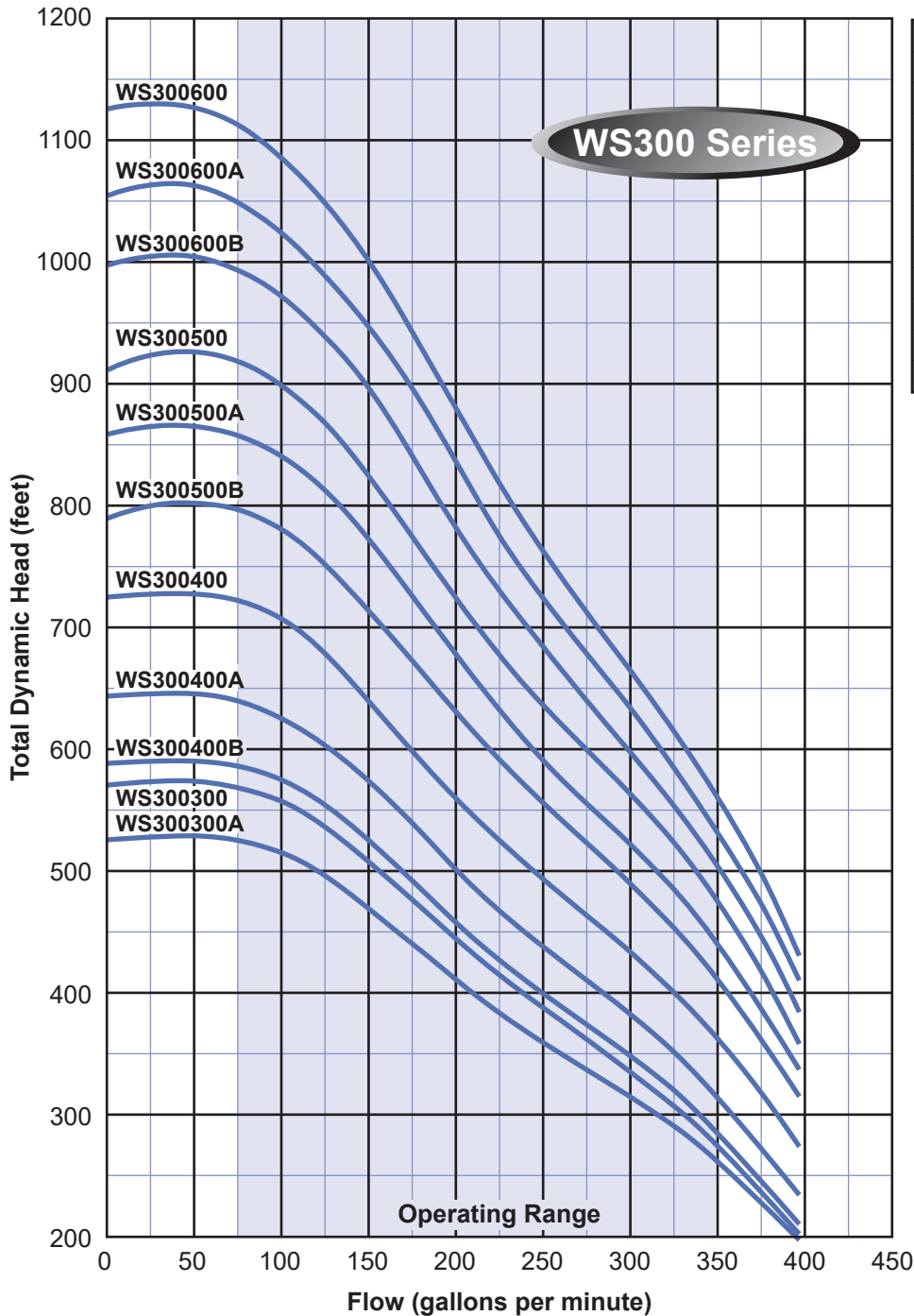
Wire/Control
Blank = 2 wire C = Optional Control

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

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" WS SERIES SUBMERSIBLE CURVES



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

MODEL NO.: WS300400B4C3

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

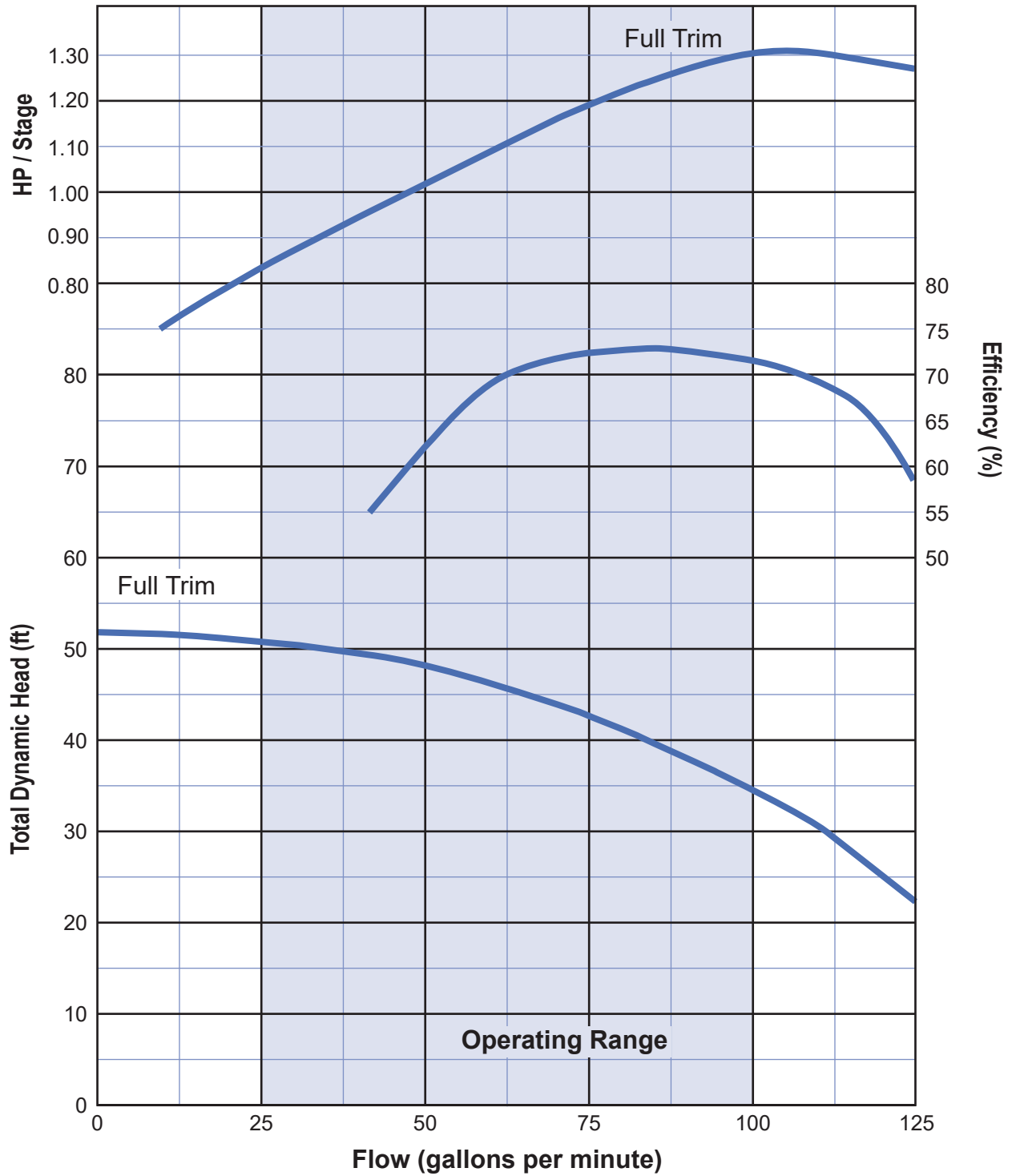
Wire/Control
Blank = 2 wire C = Optional Control

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.

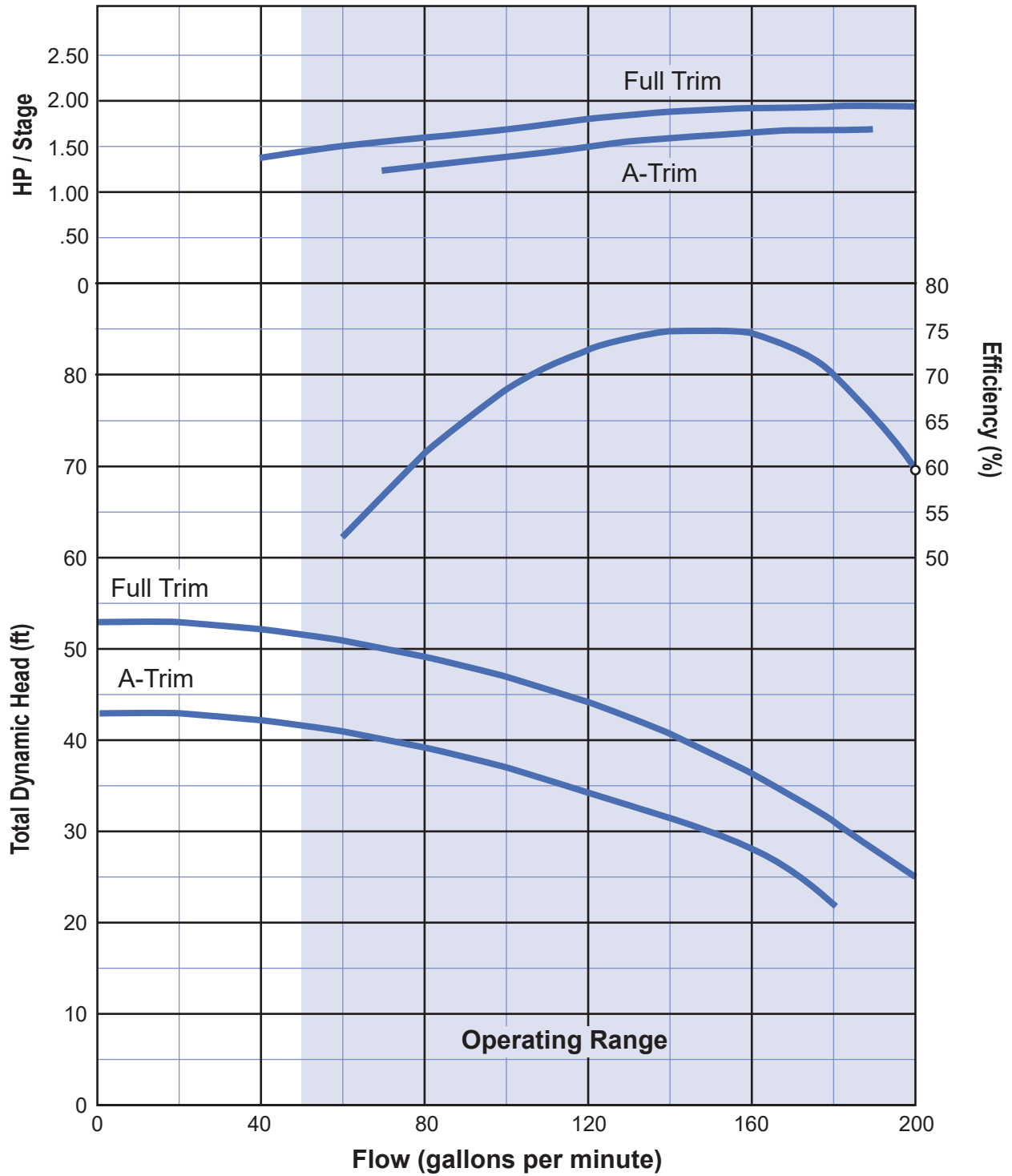
6" WS 90 SERIES HP / EFF CURVE



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.

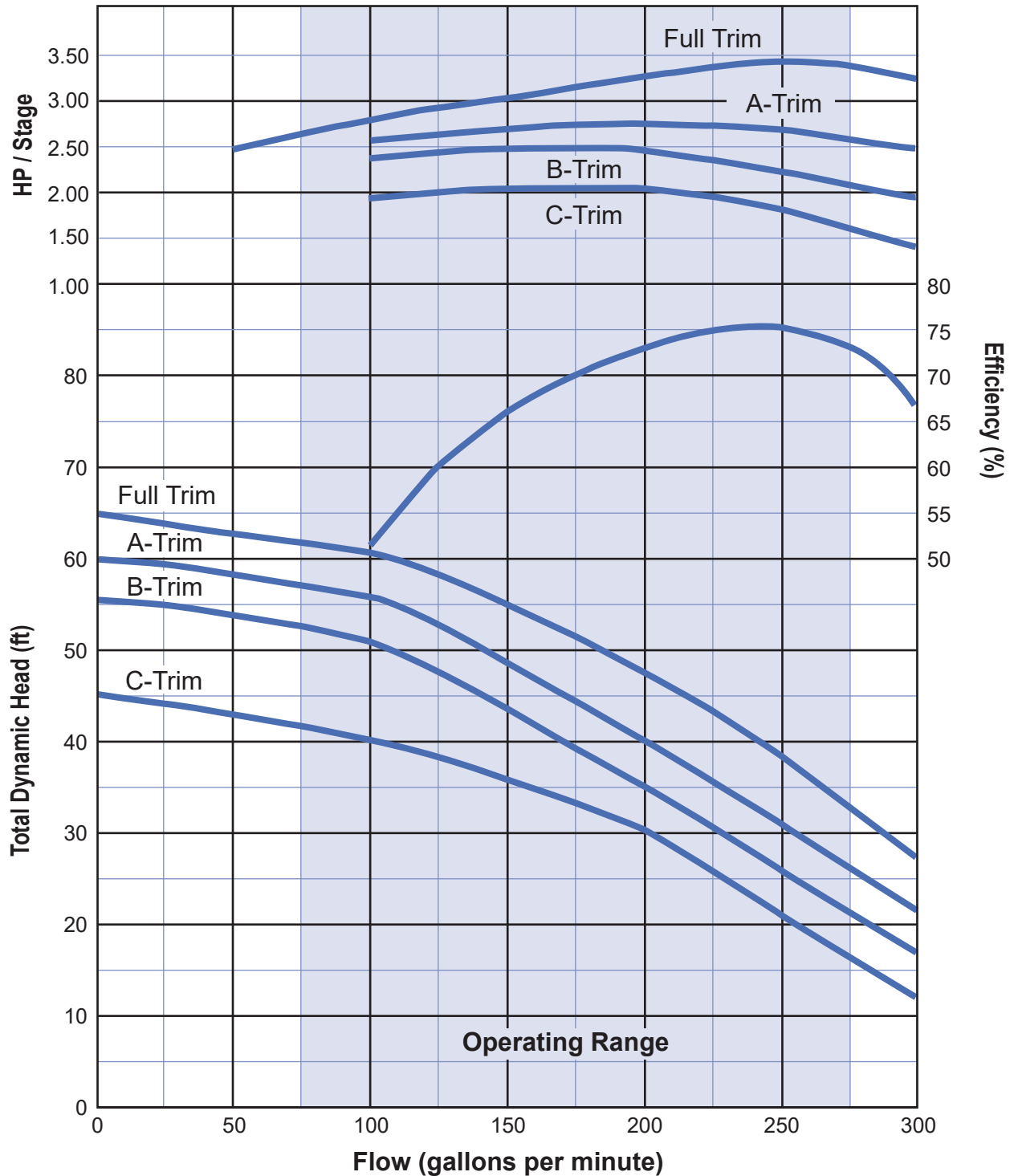
6" WS 150 SERIES HP / EFF CURVE



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.

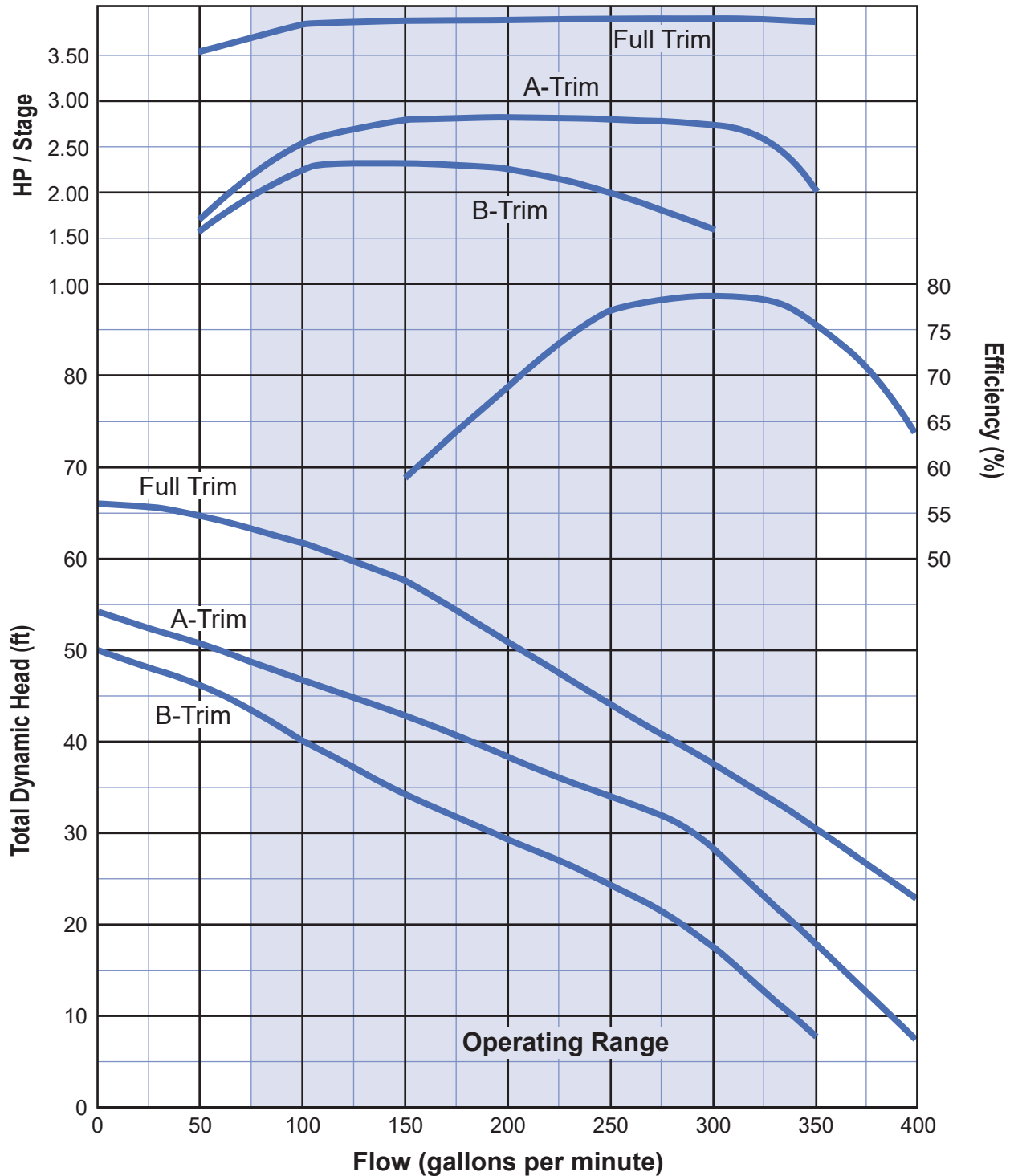
6" WS 230 SERIES HP / EFF CURVE



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.

6" WS 300 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.