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J/JB Series

General Purpose Centrifugal Pumps



The J/JB Series Pumps feature heavy-duty cast iron construction and are offered in high and medium head models, with Noryl® or silicon bronze impellers.

APPLICATIONS

Water Conditioning & Treatment Water-System Booster Water Heating Systems General Transfer Utility

SPECIFICATIONS

Volute and Seal Plate: close-grained cast iron

Impellers: J Series = Noryl; JB Series = silicon bronze

Base Plate: 12 gauge stamped steel

Motor Shaft: 300 series stainless steel

Mechanical Seal: Carbon ceramic faces, BUNA-N cup and bellows

SERIES FEATURES

1/2hp through 2-1/2hp: high head and medium head models, heavy-duty motors, easy serviceability, and four-position discharge

Drain Port: provided for easy winterizing

Performance Range, High Head Models: up to 150'+ of head, with capacities to over 100 gpm.

Performance Range, Medium Head Models: up to 100'+ of head, with capacities to over 110 gpm.

Easy Serviceability: all models feature a replaceable wear ring, and a back pull-out design

J Series - Noryl Impellers: abrasion resistant for normal applications and working temperatures to 140 F

JB Series – Silicon Bronze Impellers: include shaft seals rated for working temperatures to 225 F

ORDERING INFORMATION

HIGH HEAD

| CATALOG NUMBER | | | PIPE Tapping Sizes | | MOTOR | DUAGE | APPROX. | |
|-------------------|-------------------------------|-------|--------------------------|--------|-----------------|-------|-------------|--|
| NORYL IMPELLER | SILICON BRONZE IMPELLER | HP | SUCT. | DISCH. | VOLTAGE | PHASE | WT. LBS. | |
| JHC | JBHC | | 1-1/4" | 1" | 115/230 | 1 | 39 | |
| JHC3 | JBHC3 | 1/2 | 1-1/4" | 1" | 208- 230/460 | 3 | 39 | |
| JHD | JBHD | | 1-1/4" | 1" | 115/230 | 1 | 42 | |
| JHD3 | JBHD3 | 3/4 | 1-1/4" | 1" | 208- 230/460 | 3 | 42 | |
| JHE | JBHE | | 1-1/4" | 1" | 115/230 | 1 | 45 | |
| JHE3 | JBHE3 | 1 | 1-1/4" 1" | | 208- 230/460 | 3 | 45 | |
| JHF | JBHF | | 1-1/4" | 1" | 115/230 | 1 | 49 | |
| JHF3 | JBHF3 | 1-1/2 | 1-1/4" | 1" | 208- 230/460 | 3 | 49 | |
| JHG | JBHG | | 1-1/2" | 1-1/4" | 115/230 | 1 | 69 | |
| JHG3 | JBHG3 | 2 | 1-1/2" | 1-1/4" | 208- 230/460 | 3 | 69 | |
| JHHG | JBHHG | | 2" | 1-1/2" | 115/230 | 1 | 74 | |
| JHHG3 | JBHHG3 | 2-1/2 | 2" | 1-1/2" | 208- 230/460 | 3 | 74 | |

ORDERING INFORMATION

MEDIUM HEAD

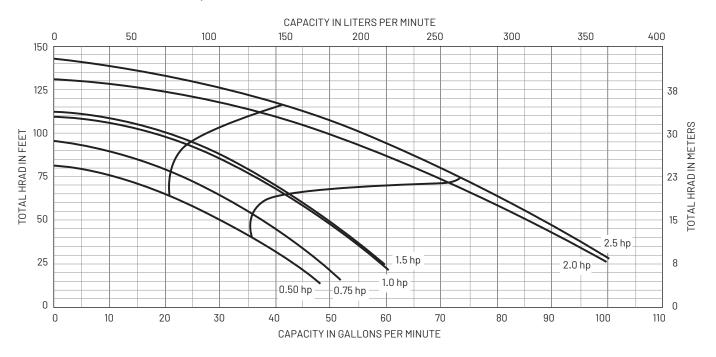
| CATALOG | НР | PIPE Tapping Sizes | | MOTOR | PHASE | APPROX. WT. | | |
|-------------------|-------------------------------|--------------------------|--------|--------|-----------------|----------------|------|--|
| NORYL IMPELLER | SILICON BRONZE IMPELLER | n. | SUCT. | DISCH. | VOLTAGE | FRASE | LBS. | |
| JMC | JBMC | | 1-1/4" | 1" | 115/230 | 1 | 39 | |
| JMC3 | JBMC3 | 1/2 | 1-1/4" | 1" | 208- 230/460 | 3 | 39 | |
| JMD | JBMD | | 1-1/4" | 1" | 115/230 | 1 | 42 | |
| JMD3 | JBMD3 | 3/4 | 1-1/4" | 1" | 208- 230/460 | 3 | 42 | |
| JME | JBME | | 1-1/2" | 1-1/4" | 115/230 | 1 | 43 | |
| JME3 | JBME3 | 1 | 1-1/2" | 1-1/4" | 208- 230/460 | 3 | 43 | |
| JMF | JBMF | | 1-1/2" | 1-1/4" | 115/230 | 1 | 54 | |
| JMF3 | JBMF3 | 1-1/2 | 1-1/2" | 1-1/4" | 208- 230/460 | 3 | 54 | |
| JMG | JBMG | | 1-1/2" | 1-1/4" | 115/230 | 1 | 66 | |
| JMG3 | JBMG3 | 2 | 1-1/2" | 1-1/4" | 208- 230/460 | 3 | 66 | |
| | JBMMG | | 2" | 1-1/2" | 115/230 | 1 | 74 | |
| - | JBMMG3 | 2-1/2 | 2" | 1-1/2" | 208- 230/460 | 3 | 74 | |



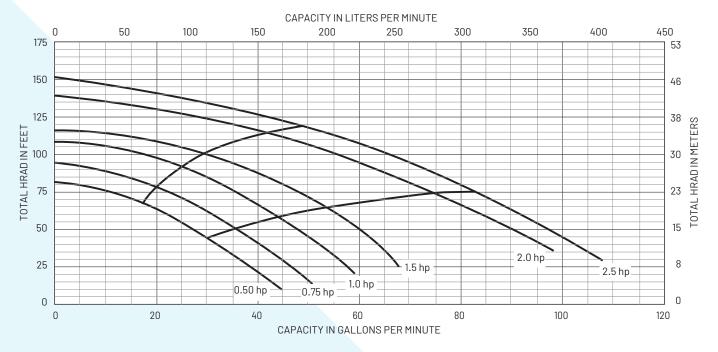
J/JB Series

General Purpose Centrifugal Pumps

PUMP PERFORMANCE: HIGH HEAD, SILICON BRONZE IMPELLER



PUMP PERFORMANCE: HIGH HEAD, NORYL® IMPELLER



Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source tank require a 100 PSI relief valve. Pumps with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

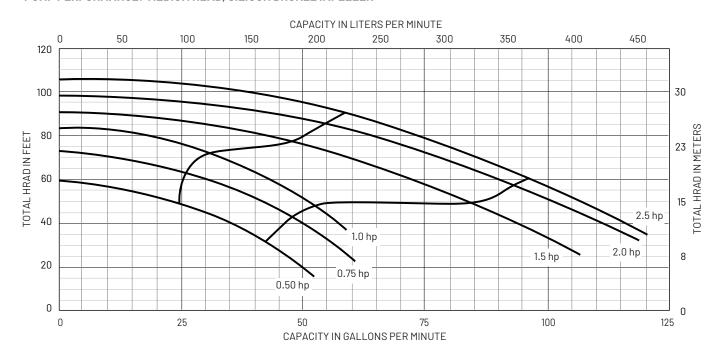
2 S4515WS



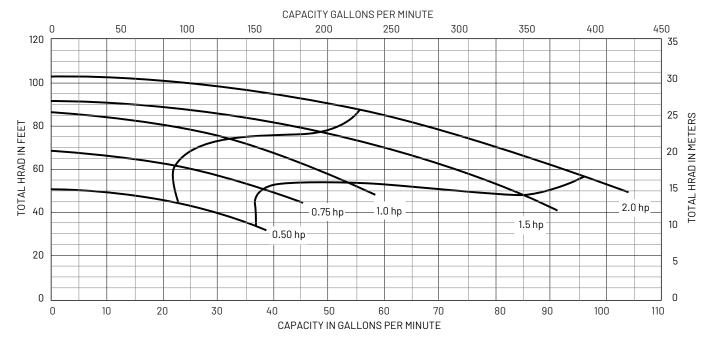
J/JB Series

General Purpose Centrifugal Pumps

PUMP PERFORMANCE: MEDIUM HEAD, SILICON BRONZE IMPELLER



PUMP PERFORMANCE: MEDIUM HEAD, NORYL® IMPELLER



Tested and rated in accordance with Water Systems Council Standards.

NOTE: Pumps installed with a Pro-Source tank require a 100 PSI relief valve. Pumps with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.

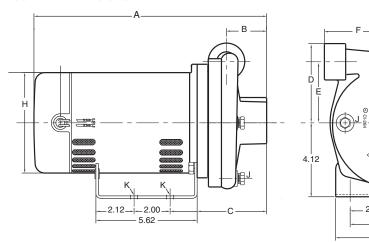
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J/JB Series

General Purpose Centrifugal Pumps

OUTLINE DIMENSIONS



Dimensions (in inches) are for estimating purposes only.

DIMENSIONS (IN INCHES)

HIGH HEAD

4.88 -- 6.50

| НР | NPT SUCT. | NPT DISCH. | A (1 PHASE) | A (3 PHASE) | В | С | D | E | F | G | н | NPT J | К |
|-------|--------------|---------------|-------------------|-------------------|---------|--------|---------|---------|-------|---------|--------|----------|----------|
| 1/2 | 1-1/4 | 1 | 11-21/32 | 13-3/8 | 2-1/16 | 5-9/16 | 4-1/2 | 3-7/16 | 3-7/8 | 3-15/16 | 5-5/8 | 1/4 | 3/8 Dia. |
| 3/4 | 1-1/4 | 1 | 11-25/32 | 13-3/8 | 2-1/16 | 5-9/16 | 4-1/2 | 3-7/16 | 3-7/8 | 3-15/16 | 5-5/8 | 1/4 | 3/8 Dia. |
| 1 | 1-1/4 | 1 | 12-25/32 | 13-7/8 | 2-1/16 | 5-9/16 | 4-1/2 | 3-7/16 | 3-7/8 | 3-15/16 | 5-5/8 | 1/4 | 3/8 Dia. |
| 1-1/2 | 1-1/4 | 1 | 13-39/64 | 14-3/8 | 2-1/16 | 5-9/16 | 4-1/2 | 3-7/16 | 3-7/8 | 3-15/16 | 5-5/8 | 1/4 | 3/8 Dia. |
| 2 | 1-1/2 | 1-1/4 | 16-3/4 | 16-15/16 | 2-13/16 | 6-5/16 | 4-27/32 | 3-13/32 | 4-5/8 | 4 | 6-7/16 | 1/4 | 3/8 Dia. |
| 2-1/2 | 2 | 1-1/2 | 17-3/4 | 17-1/4 | 2-13/16 | 6-5/16 | 4-27/32 | 3-13/32 | 4-5/8 | 4 | 6-7/16 | 1/4 | 3/8 Dia. |
| | MEDIUM HEAD | | | | | | | | | | | | |
| 1/2 | 1-1/4 | 1 | 11-7/32 | 12-15/16 | 1-7/16 | 5-1/8 | 4-7/16 | 3-1/4 | 2-1/4 | 3-1/4 | 5-5/8 | 1/4 | 3/8 Dia. |
| 3/4 | 1-1/4 | 1 | 11-31/32 | 12-15/16 | 1-7/16 | 5-1/8 | 4-7/16 | 3-1/4 | 2-1/4 | 3-1/4 | 5-5/8 | 1/4 | 3/8 Dia. |
| 1 | 1-1/2 | 1-1/4 | 12-11/32 | 13-7/16 | 1-7/16 | 5-1/8 | 4-7/16 | 3-1/4 | 2-1/4 | 3-1/4 | 5-5/8 | 1/4 | 3/8 Dia. |
| 1-1/2 | 1-1/2 | 1-1/4 | 13-25/32 | 14-9/16 | 2 | 5-3/4 | 4-13/16 | 3-1/2 | 4-1/4 | 3-15/16 | 5-5/8 | 1/4 | 3/8 Dia. |
| 2 | 1-1/2 | 1-1/4 | 16-3/16 | 16-3/8 | 2 | 5-3/4 | 4-13/16 | 3-1/2 | 4-1/4 | 3-15/16 | 6-7/16 | 1/4 | 3/8 Dia. |
| 2-1/2 | 2 | 1-1/2 | 17-3/16 | 16-11/16 | 2 | 5-3/4 | 4-13/16 | 3-1/2 | 4-1/4 | 3-15/16 | 6-7/16 | 1/4 | 3/8 Dia. |



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