



JOB:

REPRESENTATIVE:

UNIT TAG:

ORDER NO.

DATE:

ENGINEER:

SUBMITTED BY:

DATE:

CONTRACTOR:

APPROVED BY:

DATE:



## Series e-80

### 3x3x9.5C

#### Close Coupled In-Line Centrifugal Pump

#### DESCRIPTION:

The Series e-80 is a highly efficient, heavy duty, close coupled pump designed for horizontal or vertical in-line mounting. The e-80 is available in stainless steel fitted construction, with flows up to 2500 GPM, heads to 380 feet.

#### SPECIFICATIONS

FLOW \_\_\_\_\_ HEAD \_\_\_\_\_

HP \_\_\_\_\_ RPM \_\_\_\_\_

VOLTS \_\_\_\_\_

CYCLE \_\_\_\_\_ INPUT \_\_\_\_\_

ENCLOSURE \_\_\_\_\_ PHASE \_\_\_\_\_

APPROX. WEIGHT \_\_\_\_\_

SPECIALS \_\_\_\_\_

#### MATERIALS OF CONSTRUCTION

☒ Stainless Steel Fitted

#### MAXIMUM WORKING PRESSURE

- ☐ 175 psi (12 bar) with 125# ANSI flange drilling
- ☐ 250 psi (17 bar) with 250# ANSI flange drilling (requires 80-S)
- ☐ 300 psi (21 bar) W.P. with 250# ANSI flange drilling (Requires -S and EPR-Silicon Carbide-Silicon Carbide Seal)

#### MOUNTING

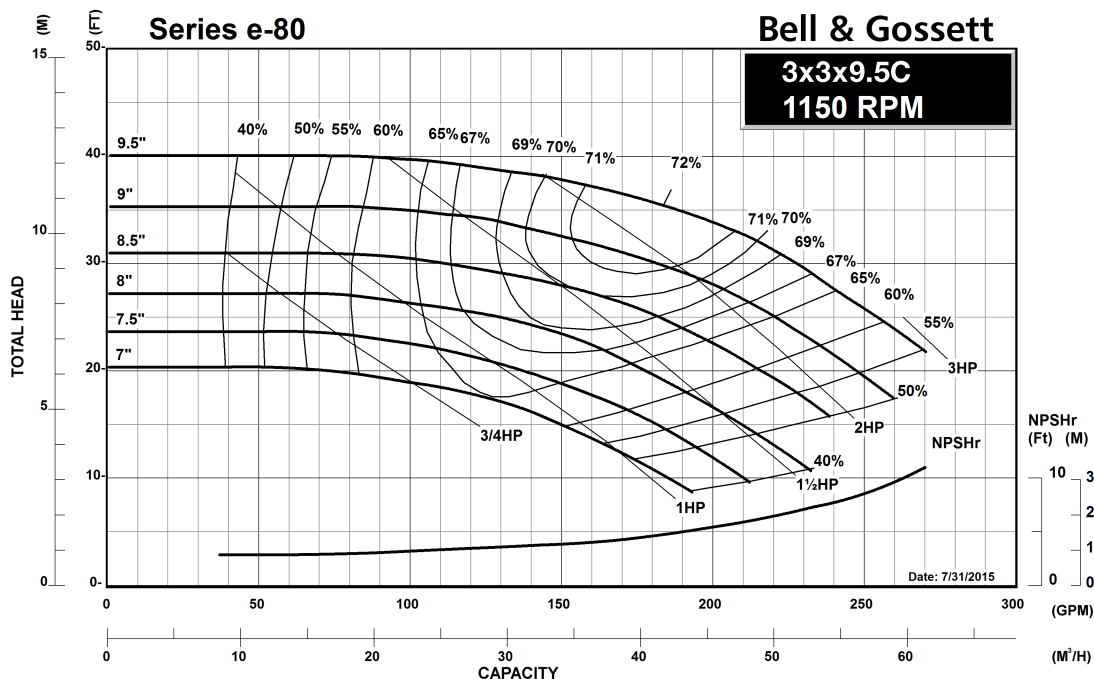
- ☐ In-Line Piping ☐ Flange Supports

#### PUMP VARIABLE SPEED CONTROL

- ☐ Integrated Technologic® Sensorless Control (ITSC)
- ☐ Integrated Technologic® (IT)
- ☐ External input by others
- ☐ Pressure Sensor(s)
- ☐ Differential Pressure Sensor(s)
- ☐ Flow Sensor(s)
- ☐ By Others

#### TYPE OF SEAL

- ☐ -F Standard Seal w/ Flush Line (Buna-Carbon/Ceramic)
- ☐ -S Stuffing Box construction w/ Flushed Mechanical Single Seal (EPR-Tungsten Carbide/Carbon)
- ☐ -PF Stuffing Box Construction w/ Flushed Packing (Graphite Impregnated PTFE)





**Bell & Gossett**  
a xylem brand

SUBMITTAL

B-139.14B

JOB:

REPRESENTATIVE:

UNIT TAG:

ENGINEER:

CONTRACTOR:

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## Series e-80 3x3x9.5C Close Coupled In-Line Centrifugal Pump

### DESCRIPTION:

The Series e-80 is a highly efficient, heavy duty, close coupled pump designed for horizontal or vertical in-line mounting. The e-80 is available in stainless steel fitted construction, with flows up to 2500 GPM, heads to 380 feet.

### SPECIFICATIONS

FLOW \_\_\_\_\_ HEAD \_\_\_\_\_

HP \_\_\_\_\_ RPM \_\_\_\_\_

VOLTS \_\_\_\_\_

CYCLE \_\_\_\_\_ INPUT PHASE \_\_\_\_\_

ENCLOSURE \_\_\_\_\_

APPROX. WEIGHT \_\_\_\_\_

SPECIALS \_\_\_\_\_

### MATERIALS OF CONSTRUCTION

☒ Stainless Steel Fitted

### MAXIMUM WORKING PRESSURE

- ☐ 175 psi (12 bar) with 125# ANSI flange drilling
- ☐ 250 psi (17 bar) with 250# ANSI flange drilling (requires 80-S)
- ☐ 300 psi (21 bar) W.P. with 250# ANSI flange drilling (Requires -S and EPR-Silicon Carbide-Silicon Carbide Seal)

### MOUNTING

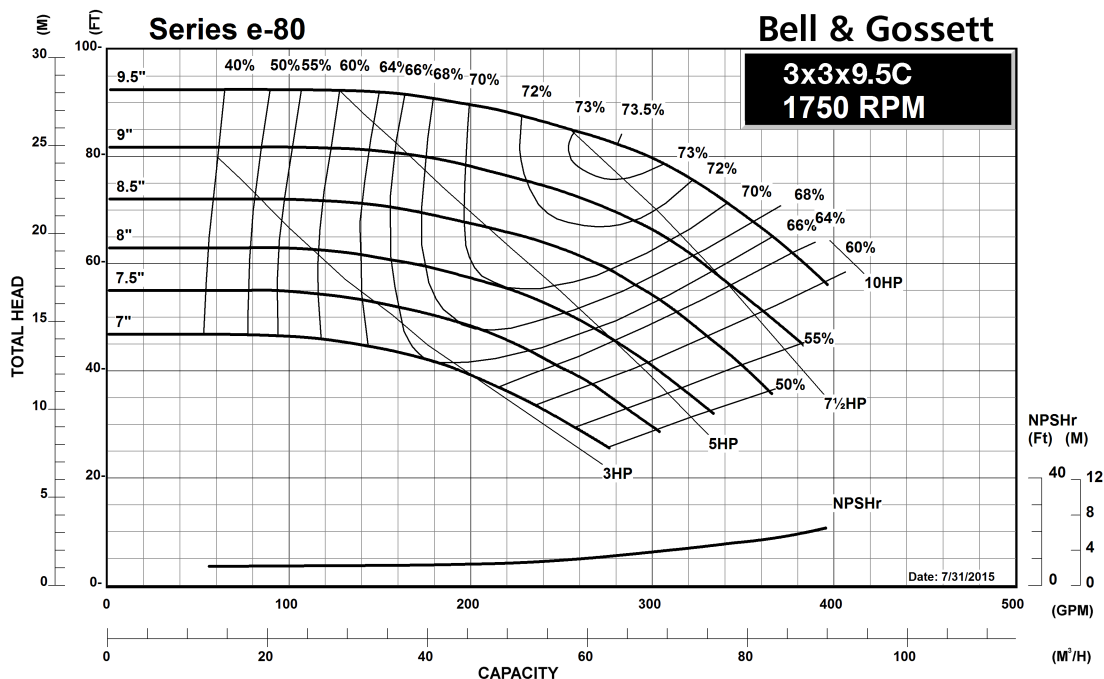
- ☐ In-Line Piping ☐ Flange Supports

### PUMP VARIABLE SPEED CONTROL

- ☐ Integrated Technologic® Sensorless Control (ITSC)
- ☐ Integrated Technologic® (IT)
- ☐ External input by others
- ☐ Pressure Sensor(s)
- ☐ Differential Pressure Sensor(s)
- ☐ Flow Sensor(s)
- ☐ By Others

### TYPE OF SEAL

- ☐ -F Standard Seal w/ Flush Line (Buna-Carbon/Ceramic)
- ☐ -S Stuffing Box construction w/ Flushed Mechanical Single Seal (EPR-Tungsten Carbide/Carbon)
- ☐ -PF Stuffing Box Construction w/ Flushed Packing (Graphite Impregnated PTFE)





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SUBMITTAL

B-139.14B

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## Series e-80 3x3x9.5C Close Coupled In-Line Centrifugal Pump

### DESCRIPTION:

The Series e-80 is a highly efficient, heavy duty, close coupled pump designed for horizontal or vertical in-line mounting. The e-80 is available in stainless steel fitted construction, with flows up to 2500 GPM, heads to 380 feet.

### SPECIFICATIONS

FLOW \_\_\_\_\_ HEAD \_\_\_\_\_  
HP \_\_\_\_\_ RPM \_\_\_\_\_  
VOLTS \_\_\_\_\_  
CYCLE \_\_\_\_\_ INPUT PHASE \_\_\_\_\_  
ENCLOSURE \_\_\_\_\_  
APPROX. WEIGHT \_\_\_\_\_  
SPECIALS \_\_\_\_\_

### MATERIALS OF CONSTRUCTION

☒ Stainless Steel Fitted

### MAXIMUM WORKING PRESSURE

- ☐ 175 psi (12 bar) with 125# ANSI flange drilling  
☐ 250 psi (17 bar) with 250# ANSI flange drilling (requires 80-S)  
☐ 300 psi (21 bar) W.P. with 250# ANSI flange drilling (Requires -S and EPR-Silicon Carbide-Silicon Carbide Seal)

### MOUNTING

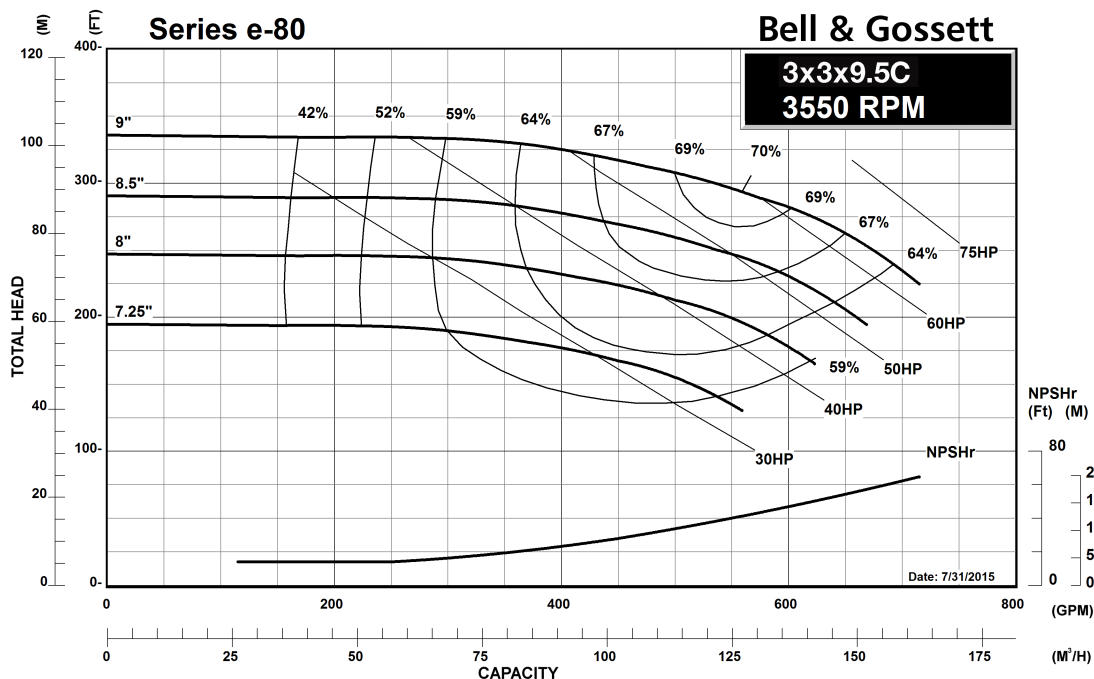
- ☐ In-Line Piping ☐ Flange Supports

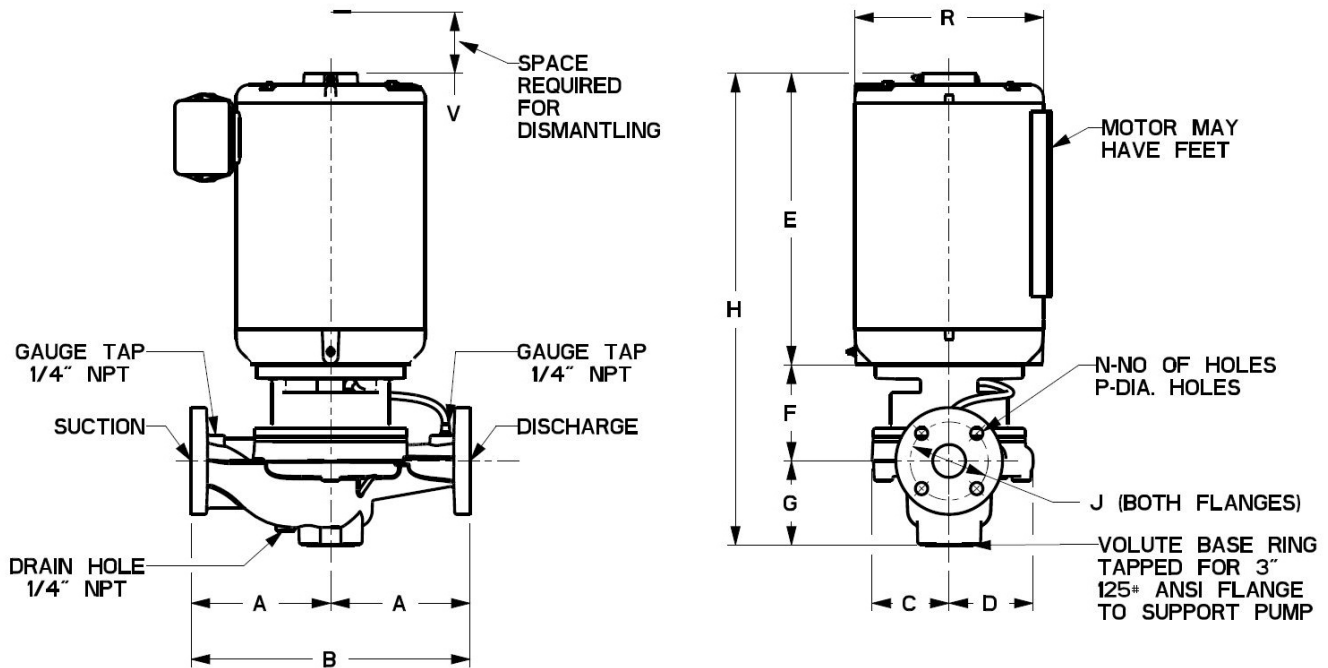
### PUMP VARIABLE SPEED CONTROL

- ☐ Integrated Technologic® Sensorless Control (ITSC)  
☐ Integrated Technologic® (IT)  
☐ External input by others  
☐ Pressure Sensor(s)  
☐ Differential Pressure Sensor(s)  
☐ Flow Sensor(s)  
☐ By Others

### TYPE OF SEAL

- ☐ -F Standard Seal w/ Flush Line (Buna-Carbon/Ceramic)  
☐ -S Stuffing Box construction w/ Flushed Mechanical Single Seal (EPR-Tungsten Carbide/Carbon)  
☐ -PF Stuffing Box Construction w/ Flushed Packing (Graphite Impregnated PTFE)





1P0355

### In-Line Piping

| DIMENSIONS - Inches (mm) |                |                |               |               |                |               |               |                | STANDARD SEAL |   |              |               |   |              |                |               |               |                                   |                    |  |
|--------------------------|----------------|----------------|---------------|---------------|----------------|---------------|---------------|----------------|---------------|---|--------------|---------------|---|--------------|----------------|---------------|---------------|-----------------------------------|--------------------|--|
| MOTOR<br>FRAME           | A              | B              | C             | D             | E (max)        | F             | G             | H (max)        | 125# ANSI     |   |              | 250# ANSI     |   |              | R              | S (Max)*      | V (min)       | Suct/Disch<br>Gauge Taps<br>(NPT) | Drain Tap<br>(NPT) |  |
|                          |                |                |               |               |                |               |               |                | J             | N | P            | J             | N | P            |                |               |               |                                   |                    |  |
| 184JM                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 15.38<br>(391) | 4.81<br>(122) | 6.13<br>(156) | 26.31<br>(668) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 11.75<br>(298) | 0.31<br>(8)   | 4.50<br>(114) | 0.25                              | 0.25               |  |
| 213JM                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 19.25<br>(489) | 4.81<br>(122) | 6.13<br>(156) | 30.19<br>(767) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 14.00<br>(356) | 1.00<br>(25)  | 4.50<br>(114) | 0.25                              | 0.25               |  |
| 215JM                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 19.25<br>(489) | 4.81<br>(122) | 6.13<br>(156) | 30.19<br>(767) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 14.00<br>(356) | 2.50<br>(64)  | 4.50<br>(114) | 0.25                              | 0.25               |  |
| 254JM                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 24.13<br>(613) | 5.81<br>(148) | 6.13<br>(156) | 36.06<br>(916) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 17.00<br>(432) | 1.00<br>(25)  | 4.50<br>(114) | 0.25                              | 0.25               |  |
| 256JM                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 24.13<br>(613) | 5.81<br>(148) | 6.13<br>(156) | 36.06<br>(916) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 17.00<br>(432) | 2.75<br>(70)  | 4.50<br>(114) | 0.25                              | 0.25               |  |
| 284JM                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 22.63<br>(575) | 5.81<br>(148) | 6.13<br>(156) | 34.56<br>(878) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 16.13<br>(410) | 5.63<br>(143) | 4.50<br>(114) | 0.25                              | 0.25               |  |
| 286JM                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 24.13<br>(613) | 5.81<br>(148) | 6.13<br>(156) | 36.06<br>(916) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 16.13<br>(410) | 5.25<br>(133) | 4.50<br>(114) | 0.25                              | 0.25               |  |
| 324JM                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 26.00<br>(660) | 5.81<br>(148) | 6.13<br>(156) | 37.94<br>(964) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 18.75<br>(476) | 5.38<br>(137) | 4.50<br>(114) | 0.25                              | 0.25               |  |
| 326JM                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 26.00<br>(660) | 5.81<br>(148) | 6.13<br>(156) | 37.94<br>(964) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 18.75<br>(476) | 6.88<br>(175) | 4.50<br>(114) | 0.25                              | 0.25               |  |

Dimensions are subject to change. Not to be used for construction purposes unless certified.

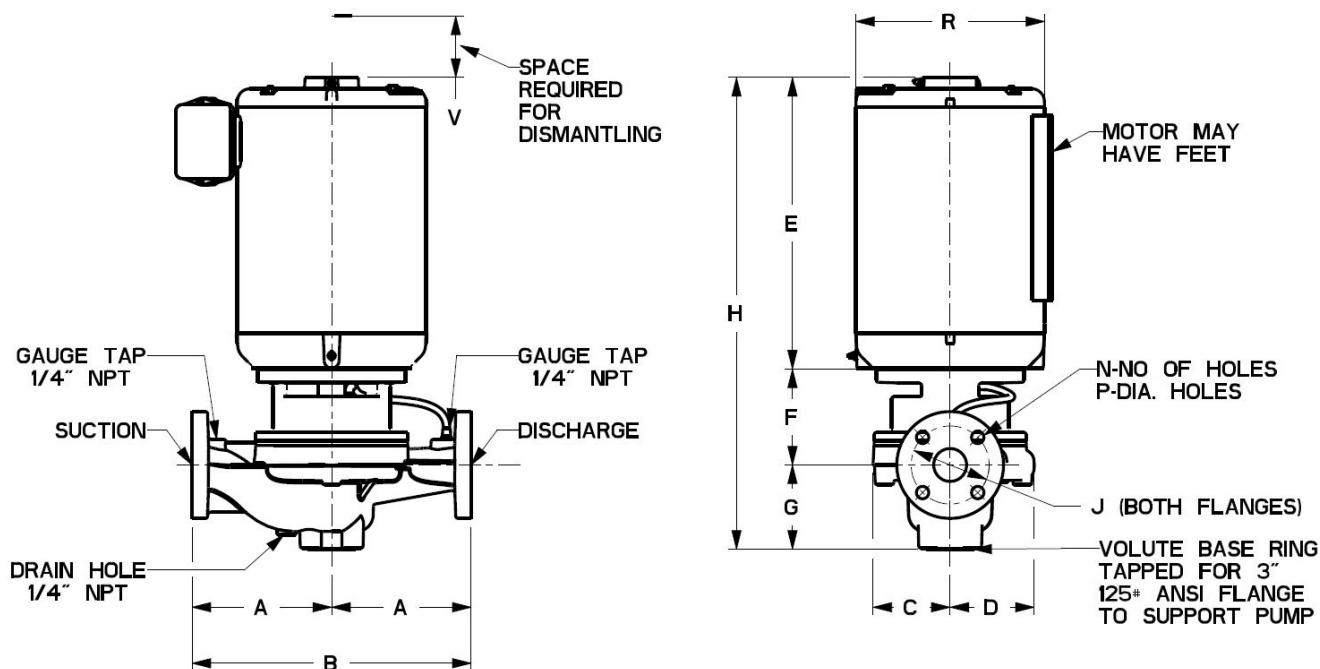
NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H.



Xylem Inc.  
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www.xylem.com/bellgossett

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1P0355

### In-Line Piping

| DIMENSIONS - Inches (mm) |                |                |               |               |                |               |               |                 | STUFFING BOX  |   |              |               |   |              |                |               |               |                                   |                    |
|--------------------------|----------------|----------------|---------------|---------------|----------------|---------------|---------------|-----------------|---------------|---|--------------|---------------|---|--------------|----------------|---------------|---------------|-----------------------------------|--------------------|
| MOTOR<br>FRAME           | A              | B              | C             | D             | E (max)        | F             | G             | H (max)         | 125# ANSI     |   |              | 250# ANSI     |   |              | R              | S (Max)*      | V (min)       | Suct/Disch<br>Gauge Taps<br>(NPT) | Drain Tap<br>(NPT) |
|                          |                |                |               |               |                |               |               |                 | J             | N | P            | J             | N | P            |                |               |               |                                   |                    |
| 184JP                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 15.38<br>(391) | 7.94<br>(202) | 6.13<br>(156) | 29.44<br>(748)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 11.75<br>(298) | 0.31<br>(8)   | 4.50<br>(114) | 0.25                              | 0.25               |
| 213JP                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 19.25<br>(489) | 8.69<br>(221) | 6.13<br>(156) | 34.06<br>(865)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 14.00<br>(356) | 1.00<br>(25)  | 4.50<br>(114) | 0.25                              | 0.25               |
| 215JP                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 19.25<br>(489) | 8.69<br>(221) | 6.13<br>(156) | 34.06<br>(865)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 14.00<br>(356) | 2.50<br>(64)  | 4.50<br>(114) | 0.25                              | 0.25               |
| 254JP                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 24.13<br>(613) | 8.69<br>(221) | 6.13<br>(156) | 38.94<br>(989)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 17.00<br>(432) | 1.00<br>(25)  | 4.50<br>(114) | 0.25                              | 0.25               |
| 256JP                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 24.13<br>(613) | 8.69<br>(221) | 6.13<br>(156) | 38.94<br>(989)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 17.00<br>(432) | 2.75<br>(70)  | 4.50<br>(114) | 0.25                              | 0.25               |
| 284JP                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 22.63<br>(575) | 8.69<br>(221) | 6.13<br>(156) | 37.44<br>(951)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 16.13<br>(410) | 5.63<br>(143) | 4.50<br>(114) | 0.25                              | 0.25               |
| 286JP                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 24.13<br>(613) | 8.69<br>(221) | 6.13<br>(156) | 38.94<br>(989)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 16.13<br>(410) | 5.25<br>(133) | 4.50<br>(114) | 0.25                              | 0.25               |
| 324JP                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 26.00<br>(660) | 8.69<br>(221) | 6.13<br>(156) | 40.81<br>(1037) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 18.75<br>(476) | 5.38<br>(137) | 4.50<br>(114) | 0.25                              | 0.25               |
| 326JP                    | 11.50<br>(292) | 23.00<br>(584) | 6.53<br>(166) | 7.40<br>(188) | 26.00<br>(660) | 8.69<br>(221) | 6.13<br>(156) | 40.81<br>(1037) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 18.75<br>(476) | 6.88<br>(175) | 4.50<br>(114) | 0.25                              | 0.25               |

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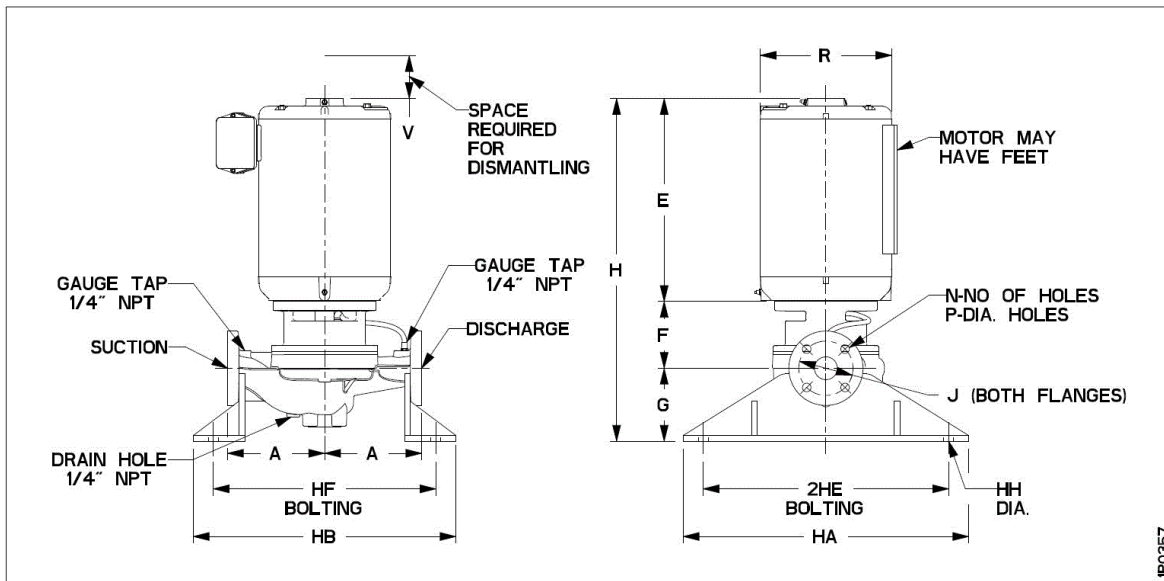
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### Flange Support Mounting

| DIMENSIONS - Inches (mm) |                |                |                |                |                |              |                |               |               | STANDARD SEAL   |               |   |              |               |   |              |                |               |               |                             |                 |
|--------------------------|----------------|----------------|----------------|----------------|----------------|--------------|----------------|---------------|---------------|-----------------|---------------|---|--------------|---------------|---|--------------|----------------|---------------|---------------|-----------------------------|-----------------|
| MOTOR FRAME              | A              | HF BOLTING     | HB             | 2HE BOLTING    | HA             | HH DIA       | E (max)        | F             | G             | H (max)         | 125# ANSI     |   |              | 250# ANSI     |   |              | R              | S (Max)*      | V (min)       | Suct/Disch Gauge Taps (NPT) | Drain Tap (NPT) |
|                          |                |                |                |                |                |              |                |               |               |                 | J             | N | P            | J             | N | P            |                |               |               |                             |                 |
| 184JM                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 15.38<br>(391) | 4.81<br>(122) | 7.75<br>(197) | 27.94<br>(710)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 11.75<br>(298) | 0.31<br>(8)   | 4.50<br>(114) | 0.25                        | 0.25            |
| 213JM                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 19.25<br>(489) | 4.81<br>(122) | 7.75<br>(197) | 31.81<br>(808)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 14.00<br>(356) | 1.00<br>(25)  | 4.50<br>(114) | 0.25                        | 0.25            |
| 215JM                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 19.25<br>(489) | 4.81<br>(122) | 7.75<br>(197) | 31.81<br>(808)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 14.00<br>(356) | 2.50<br>(64)  | 4.50<br>(114) | 0.25                        | 0.25            |
| 254JM                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 24.13<br>(613) | 5.81<br>(148) | 7.75<br>(197) | 37.69<br>(957)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 17.00<br>(432) | 1.00<br>(25)  | 4.50<br>(114) | 0.25                        | 0.25            |
| 256JM                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 24.13<br>(613) | 5.81<br>(148) | 7.75<br>(197) | 37.69<br>(957)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 17.00<br>(432) | 2.75<br>(70)  | 4.50<br>(114) | 0.25                        | 0.25            |
| 284JM                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 22.63<br>(575) | 5.81<br>(148) | 7.75<br>(197) | 36.19<br>(919)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 16.13<br>(410) | 5.63<br>(143) | 4.50<br>(114) | 0.25                        | 0.25            |
| 286JM                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 24.13<br>(613) | 5.81<br>(148) | 7.75<br>(197) | 37.69<br>(957)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 16.13<br>(410) | 5.25<br>(133) | 4.50<br>(114) | 0.25                        | 0.25            |
| 324JM                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 26.00<br>(660) | 5.81<br>(148) | 7.75<br>(197) | 39.56<br>(1005) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 18.75<br>(476) | 5.38<br>(137) | 4.50<br>(114) | 0.25                        | 0.25            |
| 326JM                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 26.00<br>(660) | 5.81<br>(148) | 7.75<br>(197) | 39.56<br>(1005) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 18.75<br>(476) | 6.88<br>(175) | 4.50<br>(114) | 0.25                        | 0.25            |

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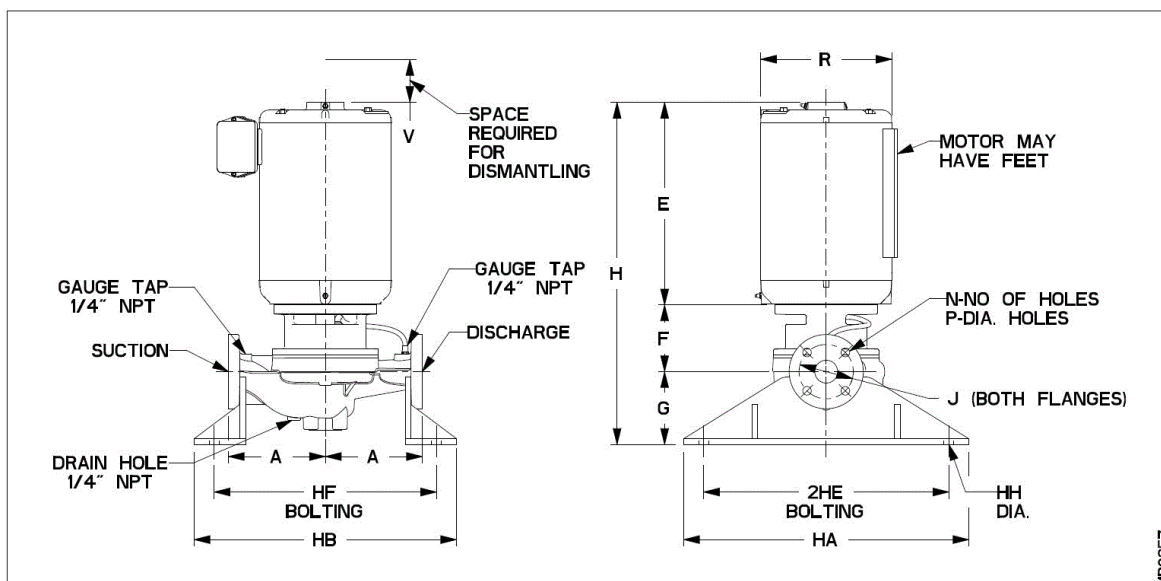
NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H.



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### Flange Support Mounting

| DIMENSIONS - Inches (mm) |                |                |                |                |                |              |                |               |               | STUFFING BOX    |               |   |              |               |   |              |                |               |               |                             |                 |
|--------------------------|----------------|----------------|----------------|----------------|----------------|--------------|----------------|---------------|---------------|-----------------|---------------|---|--------------|---------------|---|--------------|----------------|---------------|---------------|-----------------------------|-----------------|
| MOTOR FRAME              | A              | HF BOLTING     | HB             | ZHE BOLTING    | HA             | HH DIA       | E (max)        | F             | G             | H (max)         | 125# ANSI     |   |              | 250# ANSI     |   |              | R              | S (Max)*      | V (min)       | Suct/Disch Gauge Taps (NPT) | Drain Tap (NPT) |
|                          |                |                |                |                |                |              |                |               |               |                 | J             | N | P            | J             | N | P            |                |               |               |                             |                 |
| 184JP                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 15.38<br>(391) | 7.94<br>(202) | 7.75<br>(197) | 31.06<br>(789)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 11.75<br>(298) | 0.31<br>(8)   | 4.50<br>(114) | 0.25                        | 0.25            |
| 213JP                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 19.25<br>(489) | 8.69<br>(221) | 7.75<br>(197) | 35.69<br>(906)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 14.00<br>(356) | 1.00<br>(25)  | 4.50<br>(114) | 0.25                        | 0.25            |
| 215JP                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 19.25<br>(489) | 8.69<br>(221) | 7.75<br>(197) | 35.69<br>(906)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 14.00<br>(356) | 2.50<br>(64)  | 4.50<br>(114) | 0.25                        | 0.25            |
| 254JP                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 24.13<br>(613) | 8.69<br>(221) | 7.75<br>(197) | 40.56<br>(1030) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 17.00<br>(432) | 1.00<br>(25)  | 4.50<br>(114) | 0.25                        | 0.25            |
| 256JP                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 24.13<br>(613) | 8.69<br>(221) | 7.75<br>(197) | 40.56<br>(1030) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 17.00<br>(432) | 2.75<br>(70)  | 4.50<br>(114) | 0.25                        | 0.25            |
| 284JP                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 22.63<br>(575) | 8.69<br>(221) | 7.75<br>(197) | 39.06<br>(992)  | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 16.13<br>(410) | 5.63<br>(143) | 4.50<br>(114) | 0.25                        | 0.25            |
| 286JP                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 24.13<br>(613) | 8.69<br>(221) | 7.75<br>(197) | 40.56<br>(1030) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 16.13<br>(410) | 5.25<br>(133) | 4.50<br>(114) | 0.25                        | 0.25            |
| 324JP                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 26.00<br>(660) | 8.69<br>(221) | 7.75<br>(197) | 42.44<br>(1078) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 18.75<br>(476) | 5.38<br>(137) | 4.50<br>(114) | 0.25                        | 0.25            |
| 326JP                    | 11.50<br>(292) | 25.10<br>(638) | 28.60<br>(726) | 21.50<br>(546) | 25.00<br>(635) | 0.88<br>(22) | 26.00<br>(660) | 8.69<br>(221) | 7.75<br>(197) | 42.44<br>(1078) | 6.00<br>(152) | 4 | 0.75<br>(19) | 6.63<br>(168) | 8 | 0.88<br>(22) | 18.75<br>(476) | 6.88<br>(175) | 4.50<br>(114) | 0.25                        | 0.25            |

Dimensions are subject to change. Not to be used for construction purposes unless certified.

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H.



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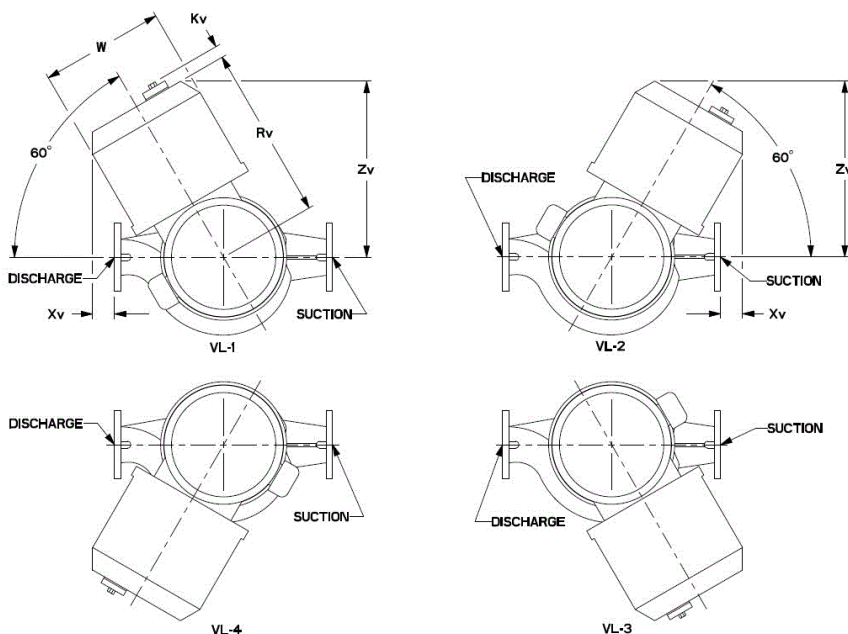
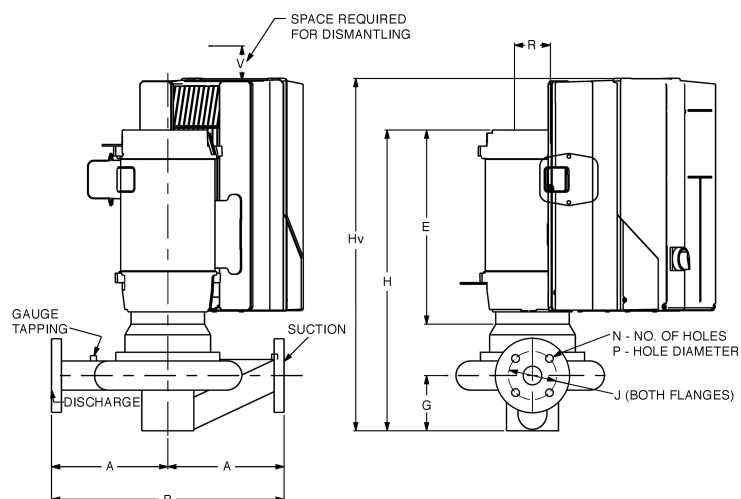
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# Series e-80 3x3x9.5C Close Coupled In-Line Centrifugal Pump With Integrated Technologic® Control

B-139.14B

## TECHNOLOGIC STANDARD FEATURES

|                                                                       |                                                                                                                |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| CONTROL METHOD WITH INTEGRATED TECHNOLOGIC® SENSORLESS CONTROL (ITSC) | Factory configured for sensorless operation.                                                                   |
| CONTROL METHOD WITH INTEGRATED TECHNOLOGIC® (IT)                      | Field configurable for sensor by others, building management system input, or optional sensor(s) provided.     |
| ENCLOSURE                                                             | NEMA 12 (same as IP55 & UL type 12)                                                                            |
| POWER DISCONNECT SWITCH                                               | Included standard. Fused Disconnect Switch optional with three phase input voltage.                            |
| HARMONIC SUPPRESSION                                                  | Integrated non-saturating dual DC link reactors provide better harmonic performance than a 5% AC line reactor. |
| COOLING                                                               | Fan-cooled through temperature controlled and easy replacement.                                                |
| AMBIENT TEMPERATURE RATING                                            | 14°F to 113°F (-10°C to 45°C)                                                                                  |
| COMMUNICATION PROTOCOLS                                               | BACnet, Modbus RTU, N2 Metasys, FLN Apogee                                                                     |
| ANALOG INPUTS                                                         | 2 configurable for either voltage (0 to 10VDC) or current(0/4 to 20mA)                                         |
| ANALOG OUTPUTS                                                        | 1 (0/4 to 20mA) up to 500 ohm load accurate to 1% of full scale                                                |
| DIGITAL INPUTS                                                        | 4 (0 to 24VDC), NPN or PNP, 0 to 24VDC, on 5 msec scan interval, Up to 2 can be configured as pulse inputs.    |
| DIGITAL OUTPUTS                                                       | 2 (0 to 24VDC), 40mA max current, configurable as pulse outputs.                                               |
| RELAY OUTPUTS                                                         | 2 programmable, 240VAC or 400VAC up to 2 A                                                                     |
| MINIMUM CONTROL HEAD                                                  | _____ ft (default set to 40% of design head if not unknown)                                                    |



270104



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# Series e-80 3x3x9.5C Close Coupled In-Line Centrifugal Pump With Integrated Technologic® Control

**B-139.14B**

| DIMENSIONS - Inches (mm) |     | STANDARD SEAL  |                |                |                 |               | STUFFING BOX |     |                |                |                |                 |               |
|--------------------------|-----|----------------|----------------|----------------|-----------------|---------------|--------------|-----|----------------|----------------|----------------|-----------------|---------------|
| MOTOR FRAME              | VFD | Rv             | Zv             | W              | Hv              | Xv            | MOTOR FRAME  | VFD | Rv             | Zv             | W              | Hv              | Xv            |
| 184JM                    | A5  | 12.78<br>(325) | 13.19<br>(335) | 9.50<br>(241)  | 29.41<br>(747)  | 1.44<br>(37)  | 184JP        | A5  | 12.78<br>(325) | 13.19<br>(335) | 9.50<br>(241)  | 32.53<br>(826)  | 1.44<br>(37)  |
|                          | B1  | 15.07<br>(383) | 14.79<br>(376) | 9.50<br>(241)  | 30.41<br>(772)  | 3.04<br>(77)  |              | B1  | 15.07<br>(383) | 14.79<br>(376) | 9.50<br>(241)  | 33.53<br>(852)  | 3.04<br>(77)  |
| 213JM                    | A5  | 13.53<br>(344) | 13.83<br>(351) | 9.50<br>(241)  | 32.83<br>(834)  | 1.06<br>(27)  | 213JP        | A5  | 13.53<br>(344) | 13.83<br>(351) | 9.50<br>(241)  | 36.70<br>(932)  | 1.06<br>(27)  |
|                          | B1  | 15.83<br>(402) | 15.84<br>(402) | 9.50<br>(241)  | 34.42<br>(874)  | 0.13<br>(3)   |              | B1  | 15.83<br>(402) | 15.84<br>(402) | 9.50<br>(241)  | 38.30<br>(973)  | 0.13<br>(3)   |
|                          | B2  | 15.83<br>(402) | 15.84<br>(402) | 9.50<br>(241)  | 40.16<br>(1020) | 0.13<br>(3)   |              | B2  | 15.83<br>(402) | 15.84<br>(402) | 9.50<br>(241)  | 44.04<br>(1119) | 0.13<br>(3)   |
| 215JM                    | A5  | 13.53<br>(344) | 13.83<br>(351) | 9.50<br>(241)  | 31.36<br>(797)  | 1.06<br>(27)  | 215P         | A5  | 13.53<br>(344) | 13.83<br>(351) | 9.50<br>(241)  | 35.23<br>(895)  | 1.06<br>(27)  |
|                          | B1  | 15.83<br>(402) | 15.84<br>(402) | 9.50<br>(241)  | 32.89<br>(835)  | 0.13<br>(3)   |              | B1  | 15.83<br>(402) | 15.84<br>(402) | 9.50<br>(241)  | 36.72<br>(933)  | 0.13<br>(3)   |
|                          | B2  | 15.83<br>(402) | 15.84<br>(402) | 9.50<br>(241)  | 38.63<br>(981)  | 0.13<br>(3)   |              | B2  | 15.83<br>(402) | 15.84<br>(402) | 9.50<br>(241)  | 42.46<br>(1078) | 0.13<br>(3)   |
|                          | C1  | 17.80<br>(452) | 19.04<br>(484) | 12.10<br>(307) | 40.65<br>(1033) | 3.33<br>(84)  |              | C1  | 17.80<br>(452) | 19.04<br>(484) | 12.10<br>(307) | 44.48<br>(1130) | 3.33<br>(84)  |
| 254JM                    | B1  | 16.83<br>(427) | 16.70<br>(424) | 9.50<br>(241)  | 39.12<br>(994)  | 0.63<br>(16)  | 254JP        | B1  | 16.83<br>(427) | 16.70<br>(424) | 9.50<br>(241)  | 39.12<br>(994)  | 0.63<br>(16)  |
|                          | B2  | 16.83<br>(427) | 16.70<br>(424) | 9.50<br>(241)  | 43.58<br>(1107) | 0.63<br>(16)  |              | B2  | 16.83<br>(427) | 16.70<br>(424) | 9.50<br>(241)  | 43.58<br>(1107) | 0.63<br>(16)  |
|                          | C1  | 18.80<br>(477) | 19.90<br>(506) | 12.10<br>(307) | 44.84<br>(1139) | 3.83<br>(97)  |              | C1  | 18.80<br>(477) | 19.90<br>(506) | 12.10<br>(307) | 44.84<br>(1139) | 3.83<br>(97)  |
| 256JM                    | B1  | 16.83<br>(427) | 16.70<br>(424) | 9.50<br>(241)  | 38.49<br>(978)  | 0.63<br>(16)  | 256JP        | B1  | 16.83<br>(427) | 16.70<br>(424) | 9.50<br>(241)  | 38.49<br>(978)  | 0.63<br>(16)  |
|                          | B2  | 16.83<br>(427) | 16.70<br>(424) | 9.50<br>(241)  | 42.95<br>(1091) | 0.63<br>(16)  |              | B2  | 16.83<br>(427) | 16.70<br>(424) | 9.50<br>(241)  | 42.95<br>(1091) | 0.63<br>(16)  |
|                          | C1  | 18.80<br>(477) | 19.90<br>(506) | 12.10<br>(307) | 44.21<br>(1123) | 3.83<br>(97)  |              | C1  | 18.80<br>(477) | 19.90<br>(506) | 12.10<br>(307) | 44.21<br>(1123) | 3.83<br>(97)  |
|                          | C2  | 19.58<br>(497) | 22.20<br>(564) | 14.60<br>(371) | 48.87<br>(1241) | 6.13<br>(156) |              | C2  | 19.58<br>(497) | 22.20<br>(564) | 14.60<br>(371) | 48.87<br>(1241) | 6.13<br>(156) |
| 284JM                    | B1  | 17.58<br>(446) | 17.36<br>(441) | 9.50<br>(241)  | 36.74<br>(933)  | 1.00<br>(25)  | 284JP        | B1  | 17.58<br>(446) | 17.36<br>(441) | 9.50<br>(241)  | 36.74<br>(933)  | 1.00<br>(25)  |
|                          | B2  | 17.58<br>(446) | 17.36<br>(441) | 9.50<br>(241)  | 41.20<br>(1046) | 1.00<br>(25)  |              | B2  | 17.58<br>(446) | 17.36<br>(441) | 9.50<br>(241)  | 41.20<br>(1047) | 1.00<br>(25)  |
|                          | C1  | 19.55<br>(497) | 20.56<br>(522) | 12.10<br>(307) | 43.97<br>(1117) | 4.20<br>(107) |              | C1  | 19.55<br>(497) | 20.56<br>(522) | 12.10<br>(307) | 43.97<br>(1117) | 4.20<br>(107) |
|                          | C2  | 20.33<br>(516) | 22.86<br>(581) | 14.60<br>(371) | 47.12<br>(1197) | 6.50<br>(165) |              | C2  | 20.33<br>(516) | 22.86<br>(581) | 14.60<br>(371) | 47.12<br>(1197) | 6.50<br>(165) |
| 286JM                    | B2  | 17.58<br>(446) | 17.36<br>(441) | 9.50<br>(241)  | 42.70<br>(1085) | 1.00<br>(25)  | 286JP        | B2  | 17.58<br>(446) | 17.36<br>(441) | 9.50<br>(241)  | 42.70<br>(1085) | 1.00<br>(25)  |
|                          | C1  | 19.58<br>(497) | 19.63<br>(498) | 12.09<br>(307) | 45.11<br>(1146) | 2.91<br>(74)  |              | C1  | 19.58<br>(497) | 19.63<br>(498) | 12.09<br>(307) | 45.11<br>(1146) | 2.91<br>(74)  |
|                          | C2  | 20.36<br>(517) | 21.93<br>(557) | 14.59<br>(371) | 48.26<br>(1226) | 5.21<br>(132) |              | C2  | 20.36<br>(517) | 21.93<br>(557) | 14.59<br>(371) | 48.26<br>(1226) | 5.21<br>(132) |
| 324JM                    | B2  | 18.58<br>(472) | 18.22<br>(463) | 9.50<br>(241)  | 42.30<br>(1074) | 1.50<br>(38)  | 324JP        | B2  | 18.58<br>(472) | 18.22<br>(463) | 9.50<br>(241)  | 42.30<br>(1074) | 1.50<br>(38)  |
|                          | C1  | 20.58<br>(523) | 20.48<br>(520) | 12.09<br>(307) | 42.64<br>(1083) | 3.41<br>(87)  |              | C1  | 20.58<br>(523) | 20.48<br>(520) | 12.09<br>(307) | 42.64<br>(1083) | 3.41<br>(87)  |
|                          | C2  | 21.58<br>(548) | 21.95<br>(558) | 14.59<br>(371) | 47.20<br>(1199) | 4.94<br>(125) |              | C2  | 21.58<br>(548) | 21.95<br>(558) | 14.59<br>(371) | 47.20<br>(1199) | 4.94<br>(125) |
| 326JM                    | C1  | 20.58<br>(523) | 20.48<br>(520) | 12.09<br>(307) | 42.64<br>(1083) | 3.41<br>(87)  | 326JP        | C1  | 20.58<br>(523) | 20.48<br>(520) | 12.09<br>(307) | 42.64<br>(1083) | 3.41<br>(87)  |
|                          | C2  | 21.58<br>(548) | 21.95<br>(558) | 14.59<br>(371) | 47.20<br>(1199) | 4.94<br>(125) |              | C2  | 21.58<br>(548) | 21.95<br>(558) | 14.59<br>(371) | 47.20<br>(1199) | 4.94<br>(125) |

NOTE: Drives with single phase input have three phase output and include three phase motors.

Kv=2 (50)



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