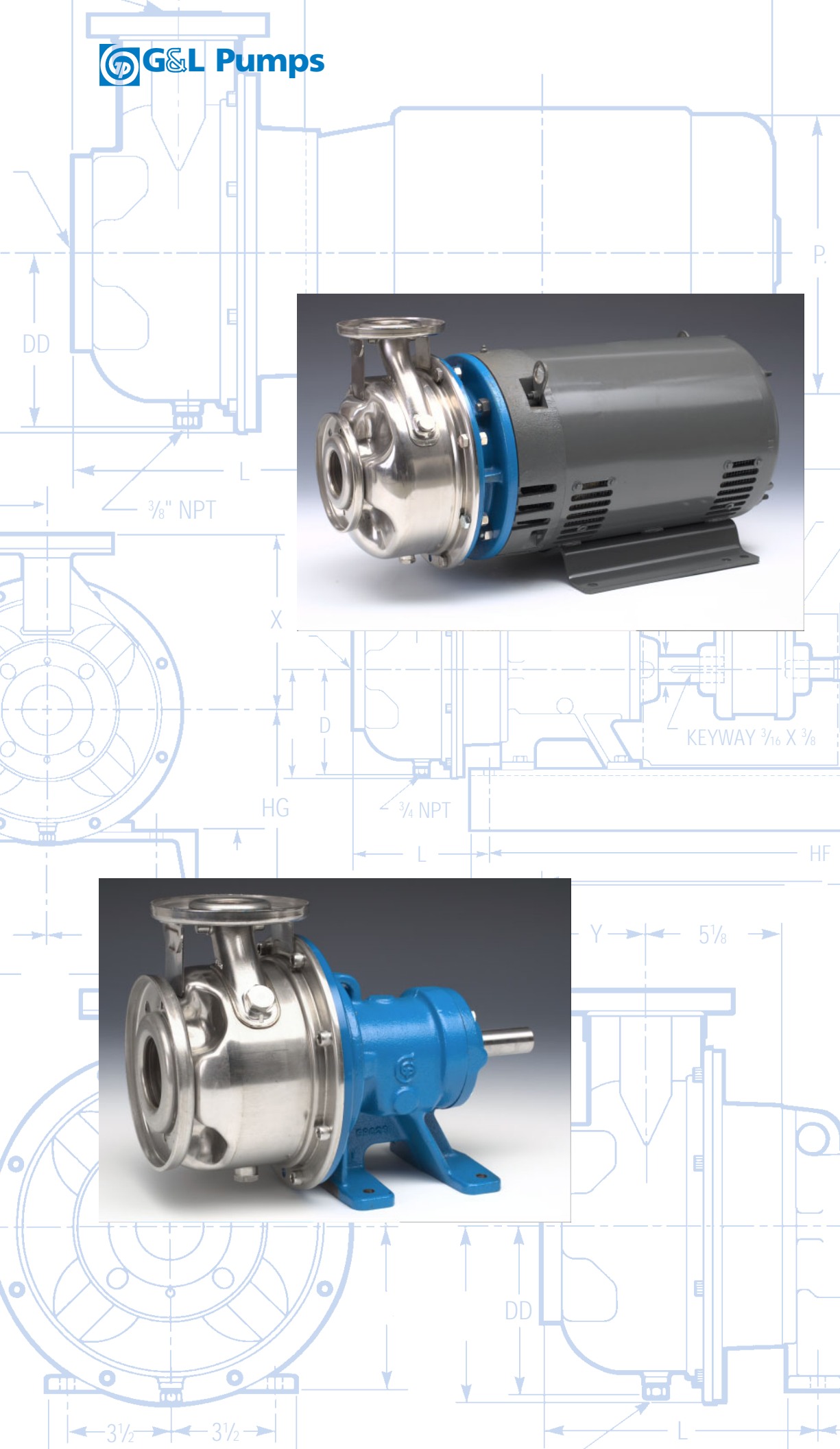


# SSH

S & M-Group  
316  
Stainless Steel  
End Suction  
Pumps

*Bombas de  
Succión Final  
de 316 Acero  
Inoxidable  
Grupo-M y S*



---

## A Full Range of Product Features, *Una Gama Total de Características del Producto*

---

### **Superior Materials of**

**Construction:** AISI Type 316L stainless steel pump parts for reduced corrosion and improved strength and ductility.

### **Frame Mounted Design:**

Flexibility of installation and driver arrangements.

### **Back Pull-Out Design:**

Simplifies maintenance when used with spacer type coupling.

**Cast Iron Power Frame:** Rigidly supported, grease lubricated ball bearing assembly.

**Mechanical Seal:** Standard John Crane Type 21 mechanical seal.

**Drive Motors:** Standard NEMA design T-frame or JM motors in single or three phase.

### **Suction and Discharge**

**Flanges:** Mate with ANSI class 150 flanges.

### **Close-Coupled Design:**

Compact design saves space and simplifies maintenance.

### **Materiales Superiores de**

**Construcción:** Partes de la bomba de acero inoxidable AISI Tipo 316L para corrosión reducida y fuerza y ductilidad mejoradas.

### **Diseño de Armazón Montado:**

Flexibilidad de instalación y colocación del motor.

### **Diseño de Extracción Trasera:**

Simplifica el mantenimiento cuando se usa con el acople tipo espaciador.

### **Armazón del Motor de Hierro**

**Fundido:** Rígidamente soportado, con ensamblaje de balinas de bolas lubricadas con grasa .

**Sello Mecánico:** Sello mecánico estándar John Crane Tipo 21.

### **Motores de**

**Accionamiento:** Motores de armazón-T NEMA estándar unifásicos o trifásicos.

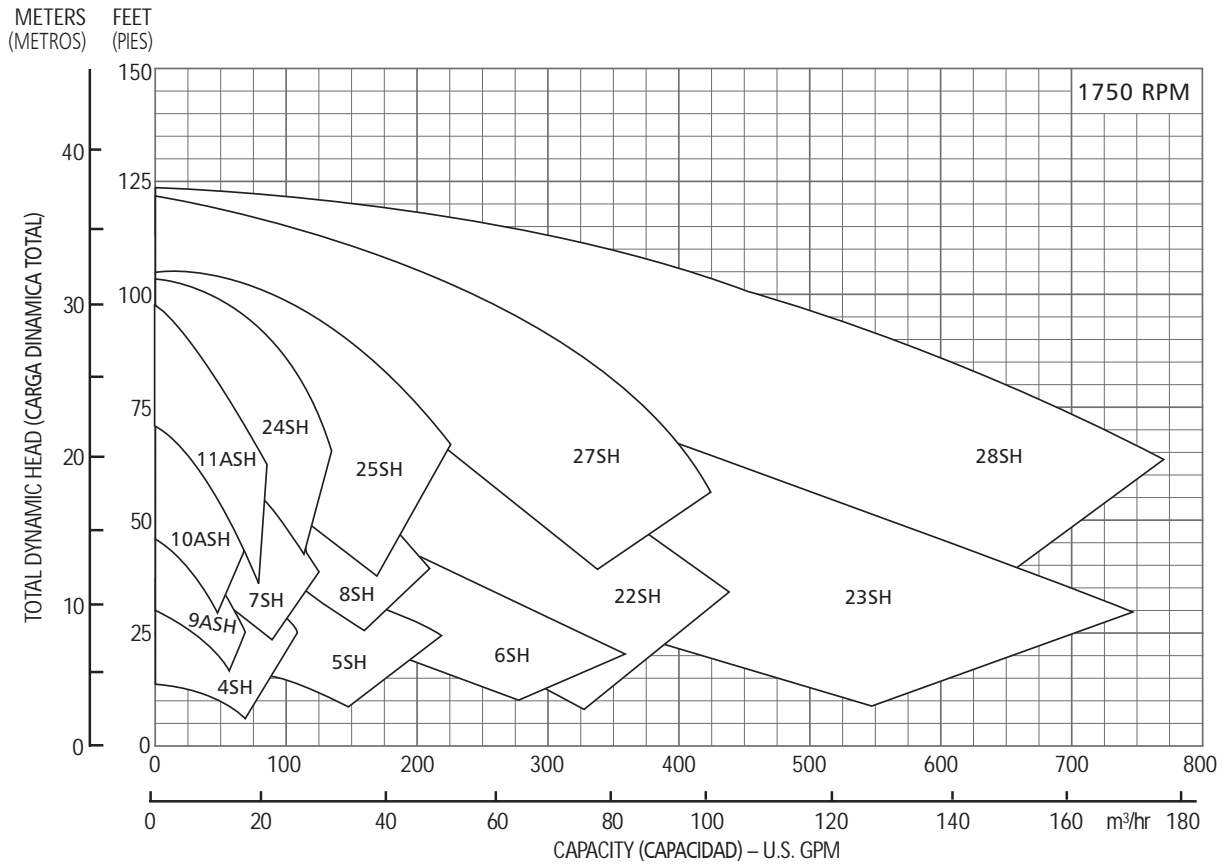
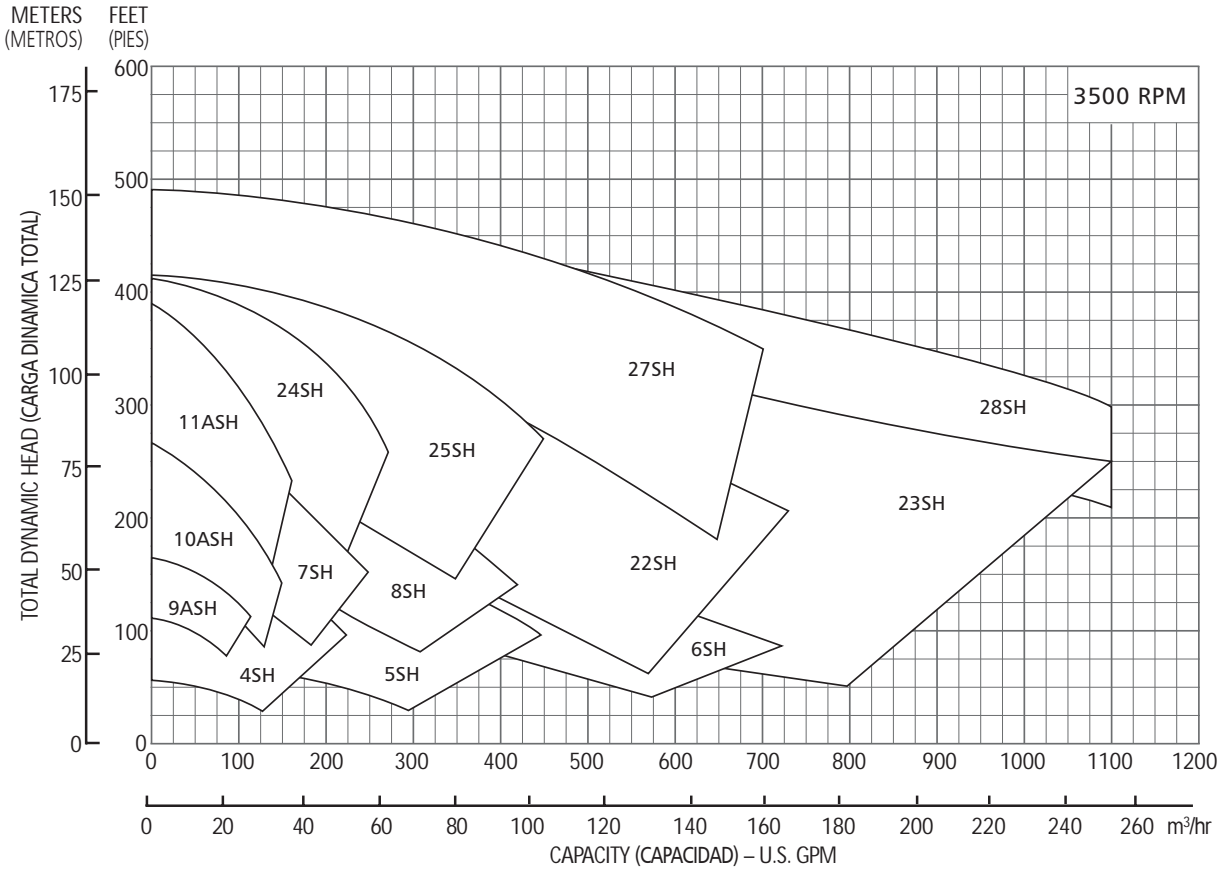
### **Bridas de Succión y**

**Descarga:** Acoplan con bridas ANSI clase 150.

### **Diseño de Acople Cerrado:**

El diseño compacto ahorra espacio y simplifica el mantenimiento.

**Performance Coverage, 3500 and 1750 RPM**  
**Alcance de Funcionamiento, 3500 y 1750 RPM**



# SSH S/M-Group Numbering System

## Sistema de Numeración del Grupo-S/M SSH

### Example Product Code, Ejemplo Código del Producto

24 SH 1 Q 2 A 0

#### Mechanical Seals and O-Ring

0 = Pre-engineered standard

For optional mechanical seal modify catalog order no. with seal code listed below.

#### Sello Mecánico y Anillo '0'

0 = Estándar aprobado

Para sello mecánico opcional modificar el número de orden del catálogo con el código del sello anotado abajo.

| John Crane Type 21 Mechanical Seal, Sello Mecánico John Crane Tipo 21 |                  |                          |                         |                               |                           |                           |
|-----------------------------------------------------------------------|------------------|--------------------------|-------------------------|-------------------------------|---------------------------|---------------------------|
| Seal Code, Código del Sello                                           | Rotary, Rotativo | Stationary, Estacionario | Elastomers, Elastómeros | Metal Parts, Partes Metálicas | Part No., Pieza Número    |                           |
|                                                                       |                  |                          |                         |                               | 180-210 Frames, Armazones | 250-360 Frames, Armazones |
| 0                                                                     | Carbon           | Sil-Carb                 | Viton                   | 316 SS, 316 Acero inoxidable  | 10K27                     | 10K45                     |
| 2                                                                     |                  |                          | EPR                     |                               | 10K19                     | 10K20                     |
| 5                                                                     | Sil-Carb         | Sil-Carb                 | Viton                   |                               | 10K64                     | 10K65                     |

#### Impeller Option Code

For optional impeller diameters modify catalog order no. with impeller code listed below.

Select optional impeller diameter from pump performance curve.

#### Código del Impulsor Opcional

Para diámetros del impulsor opcional modificar el número de orden del catálogo con el código del impulsor anotado abajo.

Seleccionar el diámetro del impulsor opcional de la curva de funcionamiento de la bomba.

| Impeller Code, Código del Impulsor | Pump Size, Tamaño de la Bomba   |                                 |                                 |                                 |                                 |                                 |                                |                                 |                                 |                                 |                                |                                 |                                 |                                 |
|------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|
|                                    | 9ASH<br>1 x 2-6<br>Dia.         | 10ASH<br>1 x 2-8<br>Dia.        | 11ASH<br>1 x 2-10<br>Dia.       | 4SH<br>1½ x 2½-6<br>Dia.        | 7SH<br>1½ x 2½-8<br>Dia.        | 5SH<br>2 x 2½-6<br>Dia.         | 8SH<br>2 x 2½-8<br>Dia.        | 6SH<br>2½ x 3-6<br>Dia.         | 22SH<br>2½ x 3-8<br>Dia.        | 23SH<br>3 x 4-8<br>Dia.         | 24SH<br>1½ x 2½-10<br>Dia.     | 25SH<br>2 x 2½-10<br>Dia.       | 27SH<br>2½ x 3-10<br>Dia.       | 28SH<br>3 x 4-10<br>Dia.        |
| A                                  | 6¾                              | 8 <sup>27</sup> / <sub>64</sub> | 10 <sup>3</sup> / <sub>32</sub> | 6¾                              | 8¼                              | 6 <sup>7</sup> / <sub>8</sub>   | 8¼                             | 7 <sup>5</sup> / <sub>16</sub>  | 9 <sup>1</sup> / <sub>16</sub>  | 9 <sup>1</sup> / <sub>16</sub>  | 9 <sup>1</sup> / <sub>8</sub>  | 9 <sup>1</sup> / <sub>8</sub>   | 10 <sup>3</sup> / <sub>8</sub>  | 10 <sup>5</sup> / <sub>8</sub>  |
| B                                  | 6 <sup>7</sup> / <sub>16</sub>  | 8 <sup>1</sup> / <sub>16</sub>  | 9 <sup>11</sup> / <sub>32</sub> | 6 <sup>3</sup> / <sub>8</sub>   | 7 <sup>13</sup> / <sub>16</sub> | 6 <sup>7</sup> / <sub>16</sub>  | 7¾                             | 7 <sup>1</sup> / <sub>8</sub>   | 8¾                              | 8 <sup>11</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>2</sub>  | 9 <sup>1</sup> / <sub>2</sub>   | 9 <sup>15</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>4</sub>  |
| C                                  | 5 <sup>11</sup> / <sub>16</sub> | 7 <sup>11</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub>   | 6 <sup>1</sup> / <sub>16</sub>  | 7                               | 5 <sup>13</sup> / <sub>16</sub> | 7 <sup>1</sup> / <sub>2</sub>  | 6 <sup>15</sup> / <sub>16</sub> | 8 <sup>1</sup> / <sub>2</sub>   | 8 <sup>7</sup> / <sub>16</sub>  | 9 <sup>3</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub>   | 9 <sup>9</sup> / <sub>16</sub>  | 9 <sup>13</sup> / <sub>16</sub> |
| D                                  | 5 <sup>3</sup> / <sub>8</sub>   | 7 <sup>3</sup> / <sub>8</sub>   | 8¾                              | 5 <sup>5</sup> / <sub>8</sub>   | 6¾                              | 5 <sup>1</sup> / <sub>2</sub>   | 7 <sup>7</sup> / <sub>16</sub> | 6 <sup>11</sup> / <sub>16</sub> | 8¼                              | 8 <sup>1</sup> / <sub>16</sub>  | 8 <sup>1</sup> / <sub>8</sub>  | 8 <sup>3</sup> / <sub>16</sub>  | 9 <sup>1</sup> / <sub>4</sub>   | 9 <sup>1</sup> / <sub>16</sub>  |
| E                                  |                                 | 7 <sup>1</sup> / <sub>8</sub>   |                                 | 5 <sup>5</sup> / <sub>16</sub>  | 6 <sup>1</sup> / <sub>16</sub>  | 5 <sup>1</sup> / <sub>8</sub>   | 6 <sup>7</sup> / <sub>8</sub>  | 6 <sup>3</sup> / <sub>8</sub>   | 7 <sup>1</sup> / <sub>8</sub>   | 7 <sup>11</sup> / <sub>16</sub> | 8 <sup>1</sup> / <sub>16</sub> | 8 <sup>3</sup> / <sub>16</sub>  | 8 <sup>3</sup> / <sub>4</sub>   | 9 <sup>1</sup> / <sub>16</sub>  |
| F                                  |                                 |                                 |                                 | 4 <sup>11</sup> / <sub>16</sub> | 6 <sup>1</sup> / <sub>8</sub>   | 4 <sup>13</sup> / <sub>16</sub> | 6 <sup>3</sup> / <sub>16</sub> | 6 <sup>1</sup> / <sub>16</sub>  | 7 <sup>1</sup> / <sub>2</sub>   | 7 <sup>1</sup> / <sub>2</sub>   | 8¼                             | 7 <sup>15</sup> / <sub>16</sub> |                                 | 8 <sup>11</sup> / <sub>16</sub> |
| G                                  |                                 |                                 |                                 | 4 <sup>3</sup> / <sub>8</sub>   |                                 | 4 <sup>7</sup> / <sub>16</sub>  |                                | 5 <sup>5</sup> / <sub>8</sub>   | 7 <sup>1</sup> / <sub>8</sub>   | 7 <sup>1</sup> / <sub>8</sub>   |                                | 7 <sup>11</sup> / <sub>16</sub> |                                 |                                 |
| H                                  |                                 |                                 |                                 | 4 <sup>3</sup> / <sub>16</sub>  |                                 | 4¼                              |                                |                                 | 6 <sup>11</sup> / <sub>16</sub> | 6 <sup>1</sup> / <sub>8</sub>   |                                |                                 |                                 |                                 |
| J                                  |                                 |                                 |                                 | 3 <sup>7</sup> / <sub>8</sub>   |                                 |                                 |                                |                                 | 6 <sup>1</sup> / <sub>2</sub>   | 6 <sup>1</sup> / <sub>2</sub>   |                                |                                 |                                 |                                 |
| K                                  |                                 |                                 |                                 |                                 |                                 |                                 |                                |                                 |                                 | 6                               |                                |                                 |                                 |                                 |
| L                                  |                                 |                                 |                                 |                                 |                                 |                                 |                                |                                 |                                 | 5½                              |                                |                                 |                                 |                                 |

#### Driver, Conductor

1 = 1 PH, ODP    3 = 575 V, ODP    5 = 3 PH, TEFC    7 = 3 PH, XP    9 = 3 PH, TEFC Premium Eff.  
2 = 3 PH, ODP    4 = 1 PH, TEFC    6 = 575 V, TEFC    8 = 575 V, XP    0 = 1 PH, XP

#### HP Rating, HP Potencia

C = ½ HP    F = 1½ HP    J = 5 HP    M = 15 HP    Q = 30 HP    T = 60 HP  
D = ¾ HP    G = 2 HP    K = 7½ HP    N = 20 HP    R = 40 HP    U = 75 HP  
E = 1 HP    H = 3 HP    L = 10 HP    P = 25 HP    S = 50 HP    V = 100 HP

#### Driver: Hertz/Pole/RPM, Conductor: Hercios/Polo/RPM

1 = 60 Hz, 2 pole, 3500 RPM    3 = 60 Hz, 6 pole, 1150 RPM    5 = 50 Hz, 4 pole, 1450 RPM  
2 = 60 Hz, 4 pole, 1750 RPM    4 = 50 Hz, 2 pole, 2900 RPM

#### Material

SH = 316L Stainless steel, Acero inoxidable

#### Pump Size, Tamaño de la Bomba

9A = 1 x 2 - 6    4 = 1½ x 2½ - 6    8 = 2 x 2½ - 8  
10A = 1 x 2 - 8    7 = 1½ x 2½ - 8    6 = 2½ x 3 - 6  
11A = 1 x 2 - 10    5 = 2 x 2½ - 6    22 = 2½ x 3 - 8  
23 = 3 x 4 - 8    24 = 1½ x 2½ - 10    25 = 2 x 2½ - 10  
27 = 2½ x 3 - 10    28 = 3 x 4 - 10

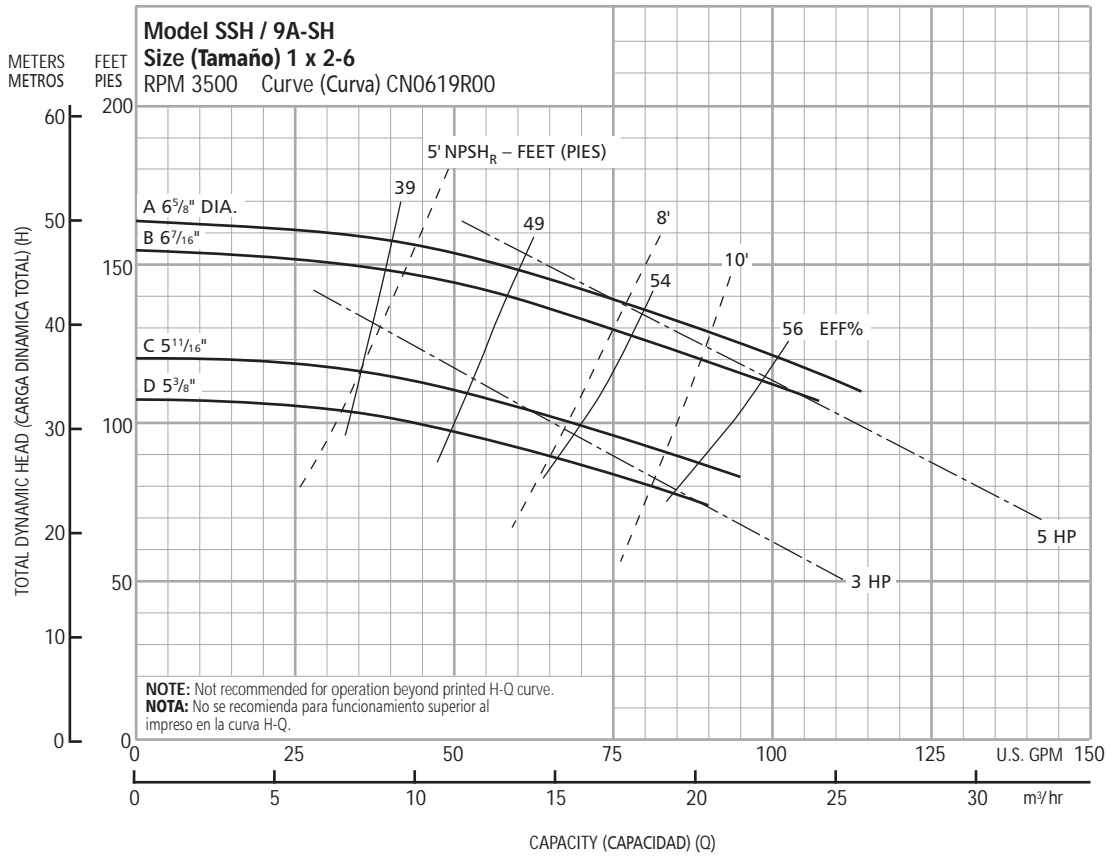
For frame mounted pumps substitute the letters "FRM".

Para bombas con armazón montado sustituya las letras "FRM".

**NOTE:** Not all combinations of motor, impeller and seal options are available for every pump model. Please check with G&L on non-cataloged numbers.

**NOTA:** No todas las combinaciones de las opciones de motor, impulsor y sello están disponibles para cada modelo de bombas. Por favor verifique con G&L en los números no catalogados.

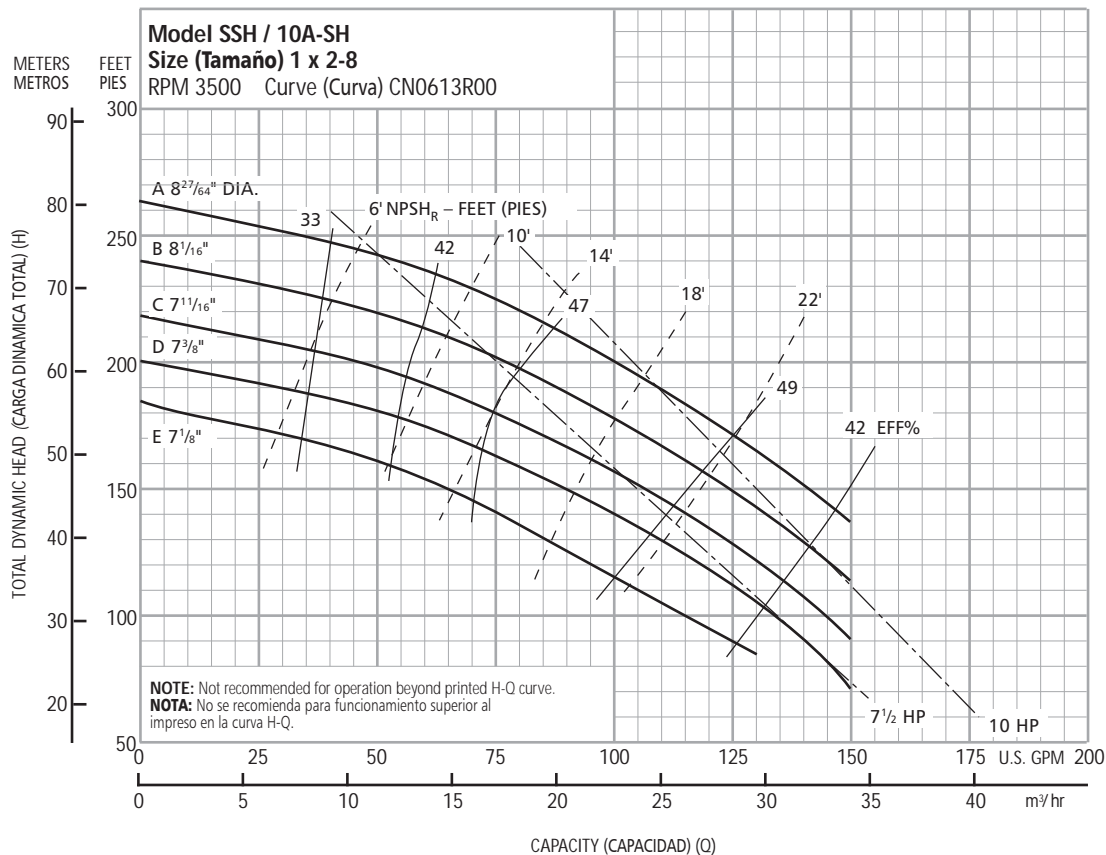
**Performance Curves – 60 Hz, 3500 RPM**  
**Curvas de Funcionamiento – 60 Hz, 3500 RPM**



| Optional Impeller,<br>Impulsor Opcional |                                   |                                             |
|-----------------------------------------|-----------------------------------|---------------------------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá.                     | Standard HP Rating,<br>Estándar HP Potencia |
| A                                       | 6 <sup>5</sup> / <sub>8</sub> "   | 5                                           |
| B                                       | 6 <sup>7</sup> / <sub>16</sub> "  | 5                                           |
| C                                       | 5 <sup>11</sup> / <sub>16</sub> " | 3                                           |
| D                                       | 5 <sup>3</sup> / <sub>8</sub> "   | 3                                           |

NOTE: Pump will pass a sphere to <sup>1</sup>/<sub>8</sub>" diameter.

NOTA: La bomba pasará una esfera a <sup>1</sup>/<sub>8</sub>" diámetro.

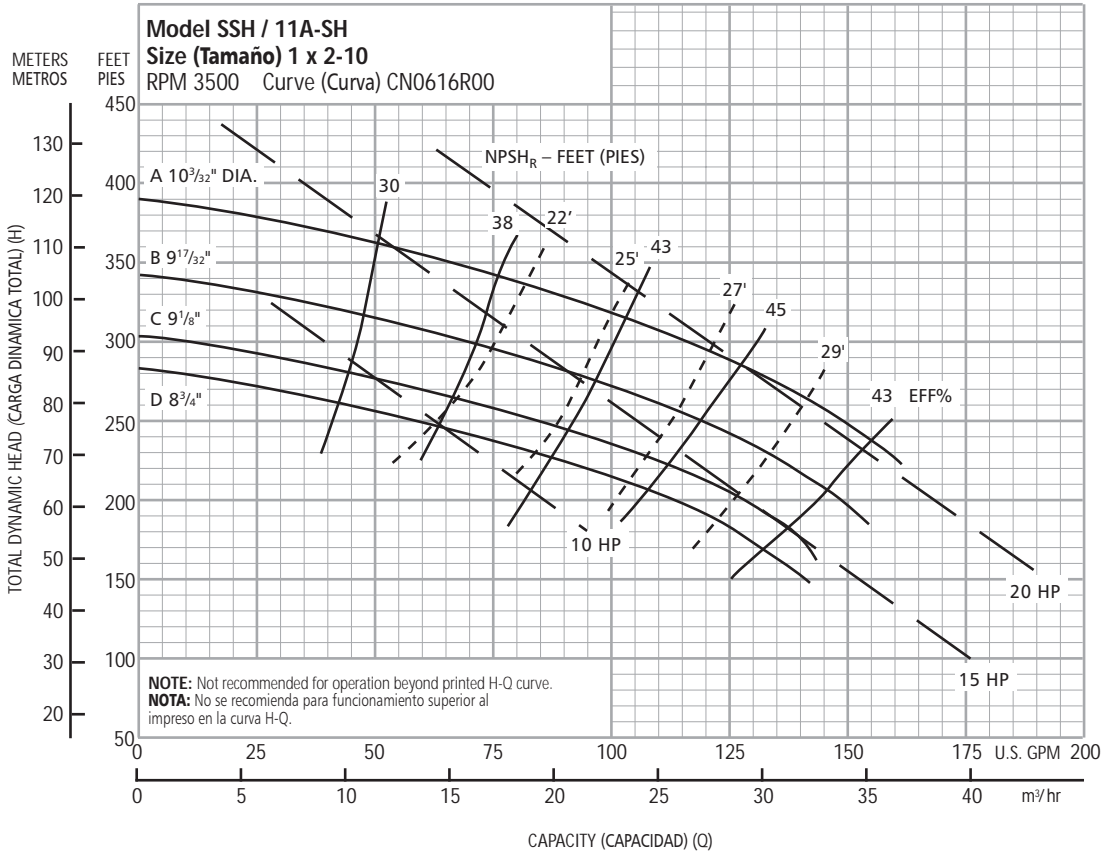


| Optional Impeller,<br>Impulsor Opcional |                                   |                                             |
|-----------------------------------------|-----------------------------------|---------------------------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá.                     | Standard HP Rating,<br>Estándar HP Potencia |
| A                                       | 8 <sup>27</sup> / <sub>64</sub> " | 10                                          |
| B                                       | 8 <sup>1</sup> / <sub>16</sub> "  | 10                                          |
| C                                       | 7 <sup>11</sup> / <sub>16</sub> " | 7 <sup>1</sup> / <sub>2</sub>               |
| D                                       | 7 <sup>3</sup> / <sub>8</sub> "   | 7 <sup>1</sup> / <sub>2</sub>               |
| E                                       | 7 <sup>1</sup> / <sub>8</sub> "   | 7 <sup>1</sup> / <sub>2</sub>               |

NOTE: Pump will pass a sphere to <sup>1</sup>/<sub>8</sub>" diameter.

NOTA: La bomba pasará una esfera a <sup>1</sup>/<sub>8</sub>" diámetro.

**Performance Curves – 60 Hz, 3500 RPM**  
**Curvas de Funcionamiento – 60 Hz, 3500 RPM**

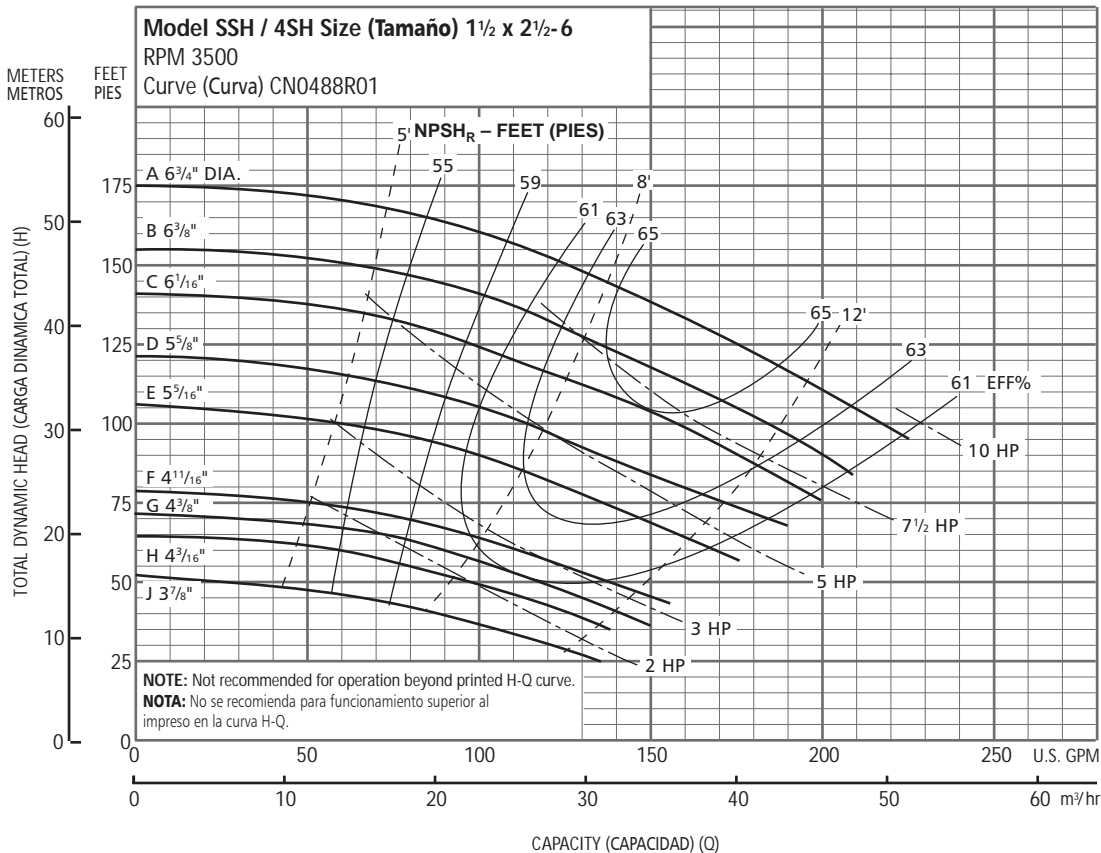


**Optional Impeller, Impulsor Opcional**

| Impeller Code, Código del Impulsor | Dia., Diá.           | Standard HP Rating, Estándar HP Potencia |
|------------------------------------|----------------------|------------------------------------------|
| A                                  | 10 <sup>3/32</sup> " | 20                                       |
| B                                  | 9 <sup>17/32</sup> " | 15                                       |
| C                                  | 9 <sup>1/8</sup> "   | 15                                       |
| D                                  | 8 <sup>3/4</sup> "   | 15                                       |

**NOTE:** Pump will pass a sphere to <sup>1</sup>/<sub>8</sub>" diameter.

**NOTA:** La bomba pasará una esfera a <sup>1</sup>/<sub>8</sub>" diámetro.



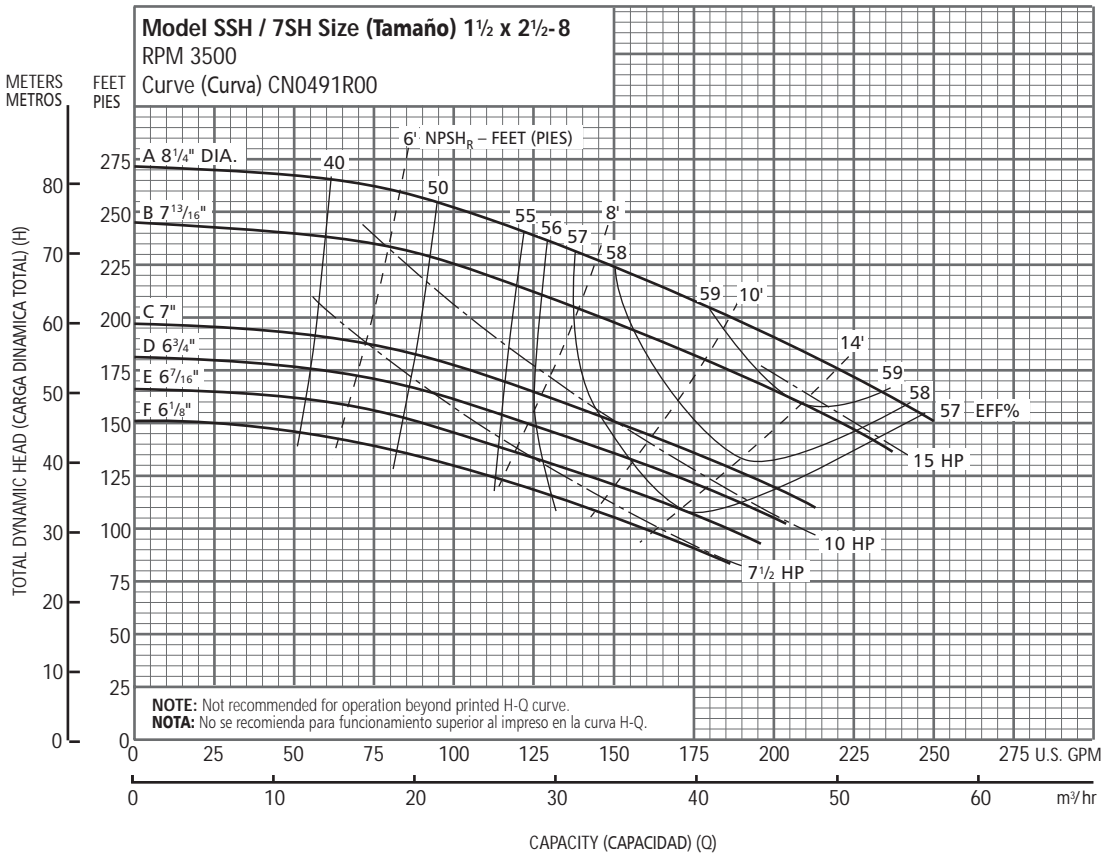
**Optional Impeller, Impulsor Opcional**

| Impeller Code, Código del Impulsor | Dia., Diá.           | Standard HP Rating, Estándar HP Potencia |
|------------------------------------|----------------------|------------------------------------------|
| A                                  | 6 <sup>3/4</sup> "   | 10                                       |
| B                                  | 6 <sup>3/8</sup> "   | 7½                                       |
| C                                  | 6 <sup>1/16</sup> "  | 7½                                       |
| D                                  | 5 <sup>5/8</sup> "   | 5                                        |
| E                                  | 5 <sup>5/16</sup> "  | 5                                        |
| F                                  | 4 <sup>11/16</sup> " | 3                                        |
| G                                  | 4 <sup>3/8</sup> "   | 3                                        |
| H                                  | 4 <sup>3/16</sup> "  | 2                                        |
| J                                  | 3 <sup>7/8</sup> "   | 2                                        |

**NOTE:** Pump will pass a sphere to <sup>3</sup>/<sub>16</sub>" diameter.

**NOTA:** La bomba pasará una esfera a <sup>3</sup>/<sub>16</sub>" diámetro.

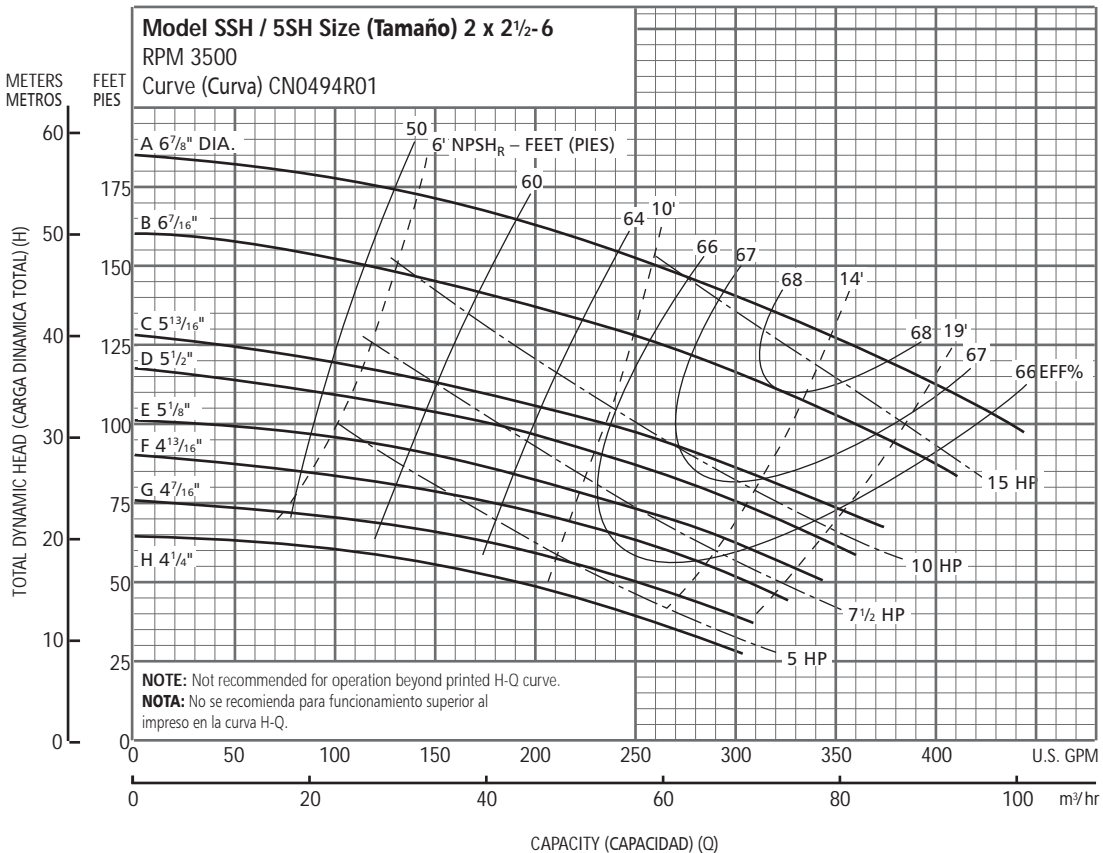
**Performance Curves – 60 Hz, 3500 RPM**  
**Curvas de Funcionamiento – 60 Hz, 3500 RPM**



| Optional Impeller,<br>Impulsor Opcional |                                   |                                             |
|-----------------------------------------|-----------------------------------|---------------------------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá.                     | Standard HP Rating,<br>Estándar HP Potencia |
| A                                       | 8¼"                               | 15                                          |
| B                                       | 7 <sup>13</sup> / <sub>16</sub> " | 15                                          |
| C                                       | 7                                 | 10                                          |
| D                                       | 6 <sup>3</sup> / <sub>4</sub> "   | 10                                          |
| E                                       | 6 <sup>7</sup> / <sub>16</sub> "  | 7½                                          |
| F                                       | 6 <sup>1</sup> / <sub>8</sub> "   | 7½                                          |

**NOTE:** Pump will pass a sphere to <sup>3</sup>/<sub>16</sub>" diameter.

**NOTA:** La bomba pasará una esfera a <sup>3</sup>/<sub>16</sub>" diámetro.

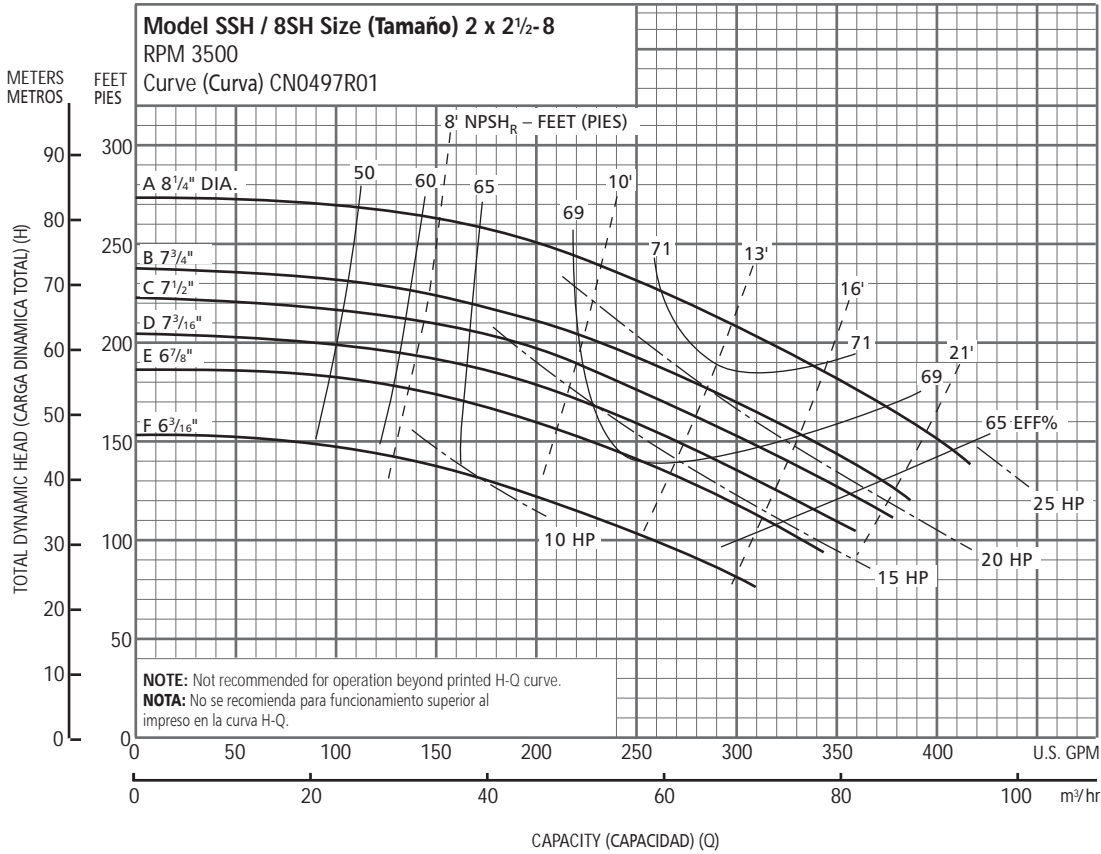


| Optional Impeller,<br>Impulsor Opcional |                                   |                                             |
|-----------------------------------------|-----------------------------------|---------------------------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá.                     | Standard HP Rating,<br>Estándar HP Potencia |
| A                                       | 6 <sup>7</sup> / <sub>8</sub> "   | 15                                          |
| B                                       | 6 <sup>7</sup> / <sub>16</sub> "  | 15                                          |
| C                                       | 5 <sup>13</sup> / <sub>16</sub> " | 10                                          |
| D                                       | 5½"                               | 10                                          |
| E                                       | 5 <sup>1</sup> / <sub>8</sub> "   | 7½                                          |
| F                                       | 4 <sup>13</sup> / <sub>16</sub> " | 7½                                          |
| G                                       | 4 <sup>7</sup> / <sub>16</sub> "  | 5                                           |
| H                                       | 4¼"                               | 5                                           |

**NOTE:** Pump will pass a sphere to <sup>5</sup>/<sub>32</sub>" diameter.

**NOTA:** La bomba pasará una esfera a <sup>5</sup>/<sub>32</sub>" diámetro.

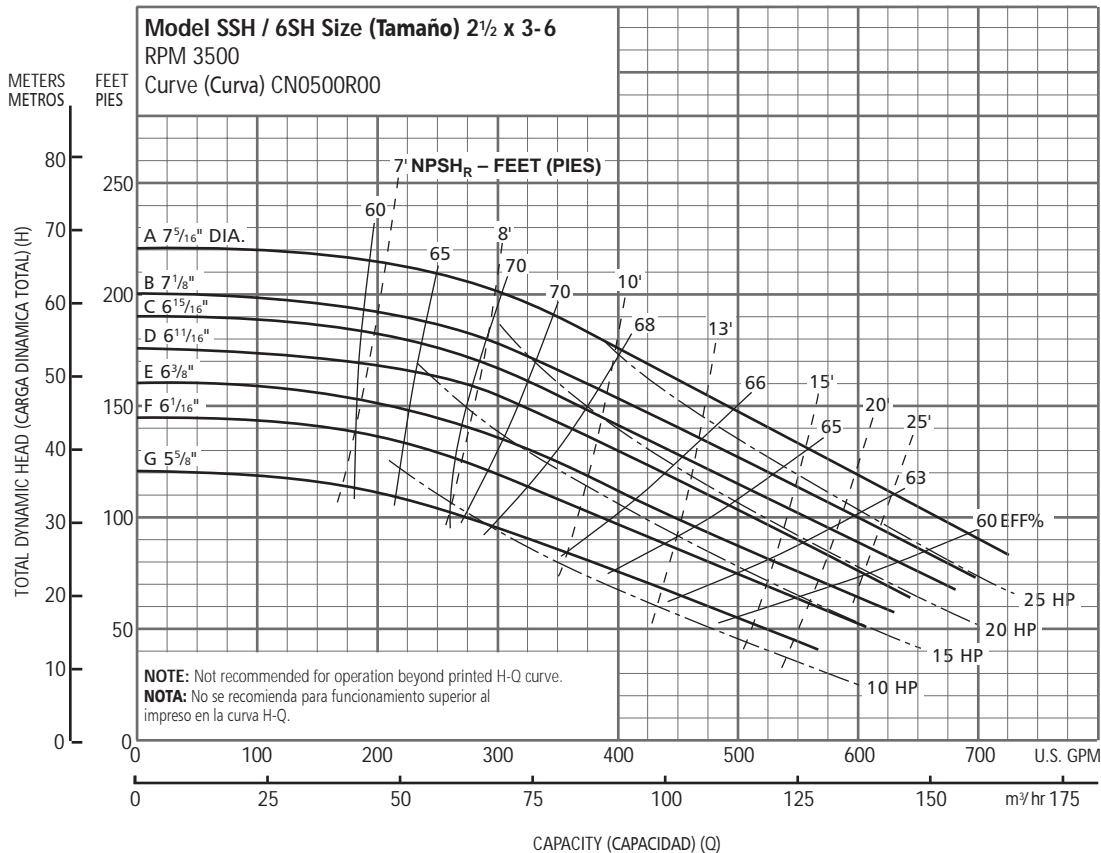
**Performance Curves – 60 Hz, 3500 RPM**  
**Curvas de Funcionamiento – 60 Hz, 3500 RPM**



| Optional Impeller, Impulsor Opcional |            |                                          |
|--------------------------------------|------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá. | Standard HP Rating, Estándar HP Potencia |
| A                                    | 8¼"        | 25                                       |
| B                                    | 7¾"        | 20                                       |
| C                                    | 7½"        | 20                                       |
| D                                    | 7³⁄₁₆"     | 15                                       |
| E                                    | 6⁷⁄₈"      | 15                                       |
| F                                    | 6³⁄₁₆"     | 10                                       |

**NOTE:** Pump will pass a sphere to ¼" diameter.

**NOTA:** La bomba pasará una esfera a ¼" diámetro.



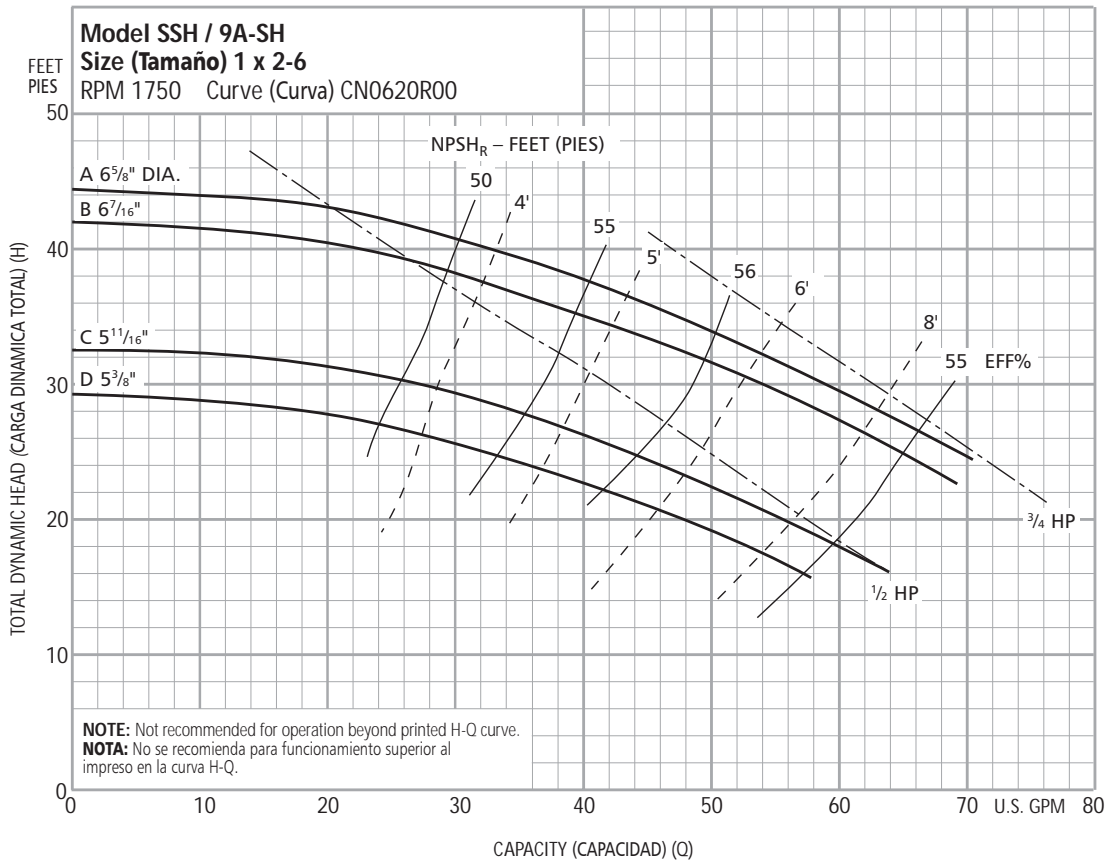
| Optional Impeller, Impulsor Opcional |            |                                          |
|--------------------------------------|------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá. | Standard HP Rating, Estándar HP Potencia |
| A                                    | 7⁵⁄₁₆"     | 25                                       |
| B                                    | 7¹⁄₈"      | 25                                       |
| C                                    | 6¹⁵⁄₁₆"    | 20                                       |
| D                                    | 6¹¹⁄₁₆"    | 20                                       |
| E                                    | 6³⁄₈"      | 15                                       |
| F                                    | 6¹⁄₁₆"     | 15                                       |
| G                                    | 5⁵⁄₈"      | 10                                       |

**NOTE:** Pump will pass a sphere to ⁵⁄₁₆" diameter.

**NOTA:** La bomba pasará una esfera a ⁵⁄₁₆" diámetro.

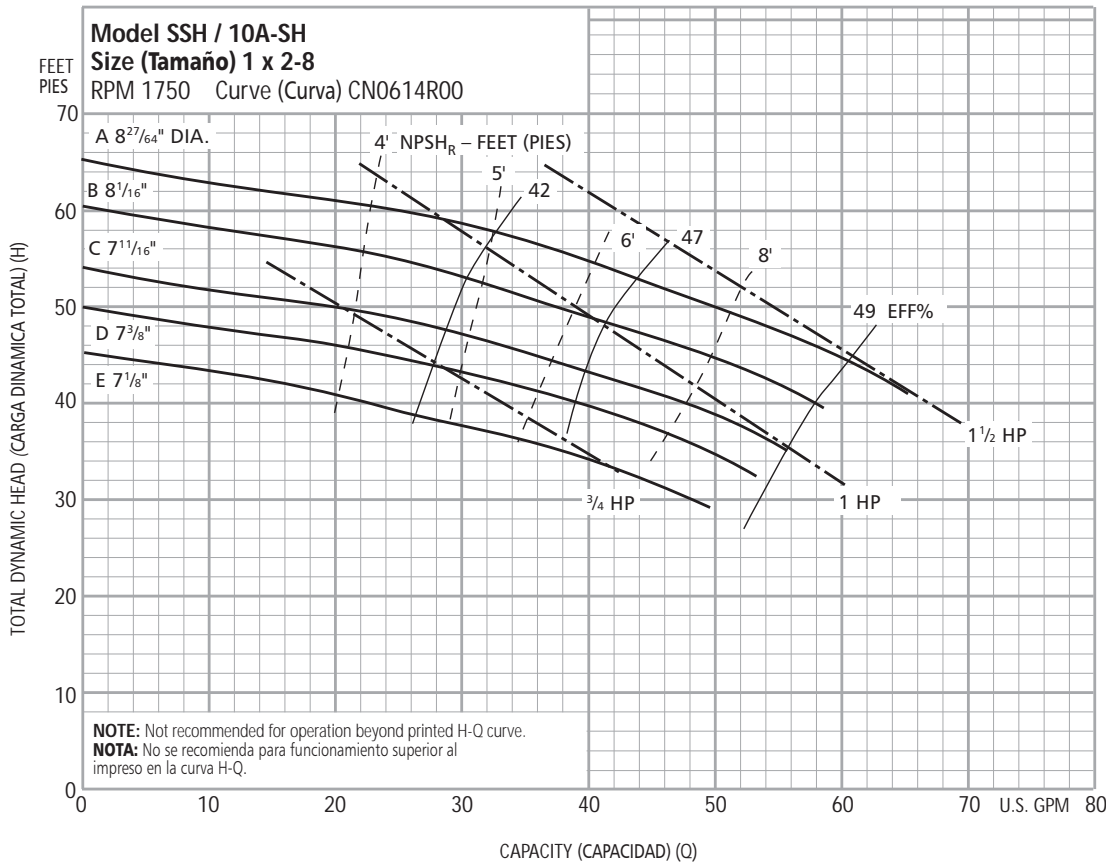


**Performance Curves – 60 Hz, 1750 RPM**  
**Curvas de Funcionamiento – 60 Hz, 1750 RPM**



| Optional Impeller, Impulsor Opcional |                                   |                                          |
|--------------------------------------|-----------------------------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá.                        | Standard HP Rating, Estándar HP Potencia |
| A                                    | 6 <sup>5</sup> / <sub>8</sub> "   | <sup>3</sup> / <sub>4</sub>              |
| B                                    | 6 <sup>7</sup> / <sub>16</sub> "  | <sup>3</sup> / <sub>4</sub>              |
| C                                    | 5 <sup>11</sup> / <sub>16</sub> " | <sup>1</sup> / <sub>2</sub>              |
| D                                    | 5 <sup>3</sup> / <sub>8</sub> "   | <sup>1</sup> / <sub>2</sub>              |

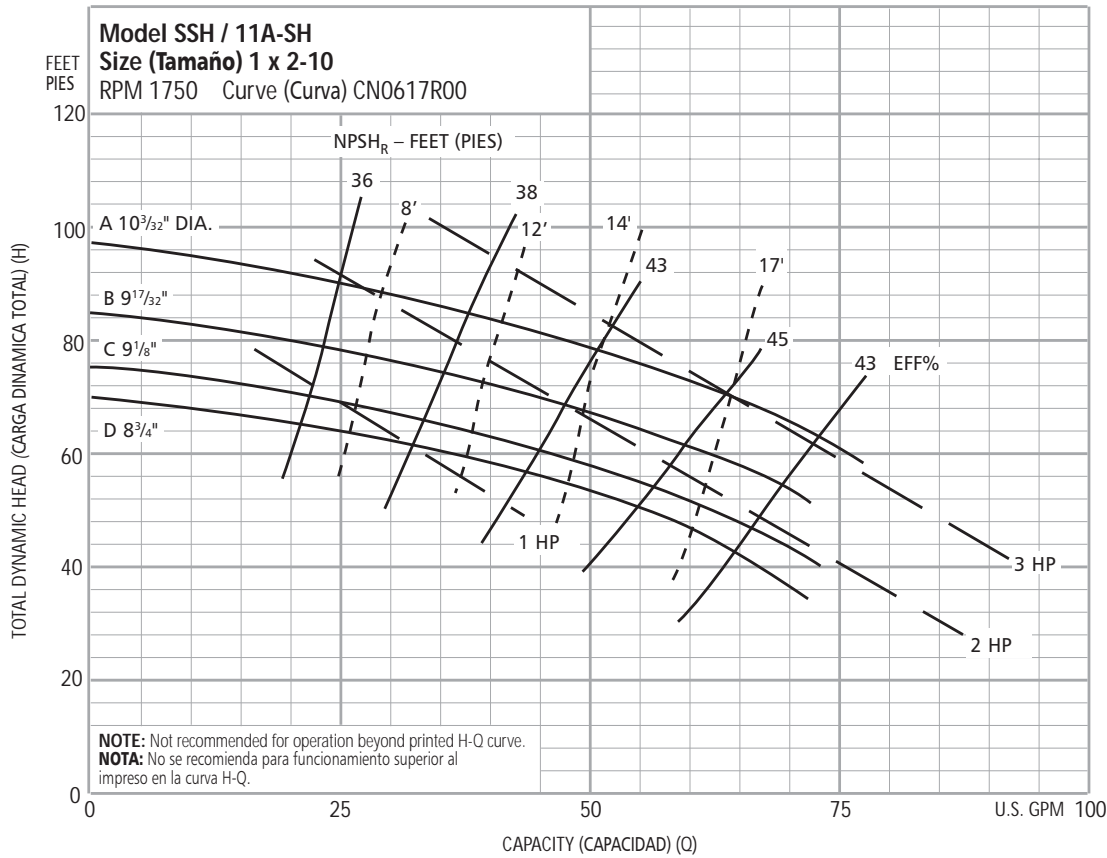
**NOTE:** Pump will pass a sphere to <sup>1</sup>/<sub>8</sub>" diameter.  
**NOTA:** La bomba pasará una esfera a <sup>1</sup>/<sub>8</sub>" diámetro.



| Optional Impeller, Impulsor Opcional |                                   |                                          |
|--------------------------------------|-----------------------------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá.                        | Standard HP Rating, Estándar HP Potencia |
| A                                    | 8 <sup>27</sup> / <sub>64</sub> " | 1 <sup>1</sup> / <sub>2</sub>            |
| B                                    | 8 <sup>1</sup> / <sub>16</sub> "  | 1 <sup>1</sup> / <sub>2</sub>            |
| C                                    | 7 <sup>11</sup> / <sub>16</sub> " | 1                                        |
| D                                    | 7 <sup>3</sup> / <sub>8</sub> "   | <sup>3</sup> / <sub>4</sub>              |
| E                                    | 7 <sup>1</sup> / <sub>8</sub> "   | <sup>3</sup> / <sub>4</sub>              |

**NOTE:** Pump will pass a sphere to <sup>1</sup>/<sub>8</sub>" diameter.  
**NOTA:** La bomba pasará una esfera a <sup>1</sup>/<sub>8</sub>" diámetro.

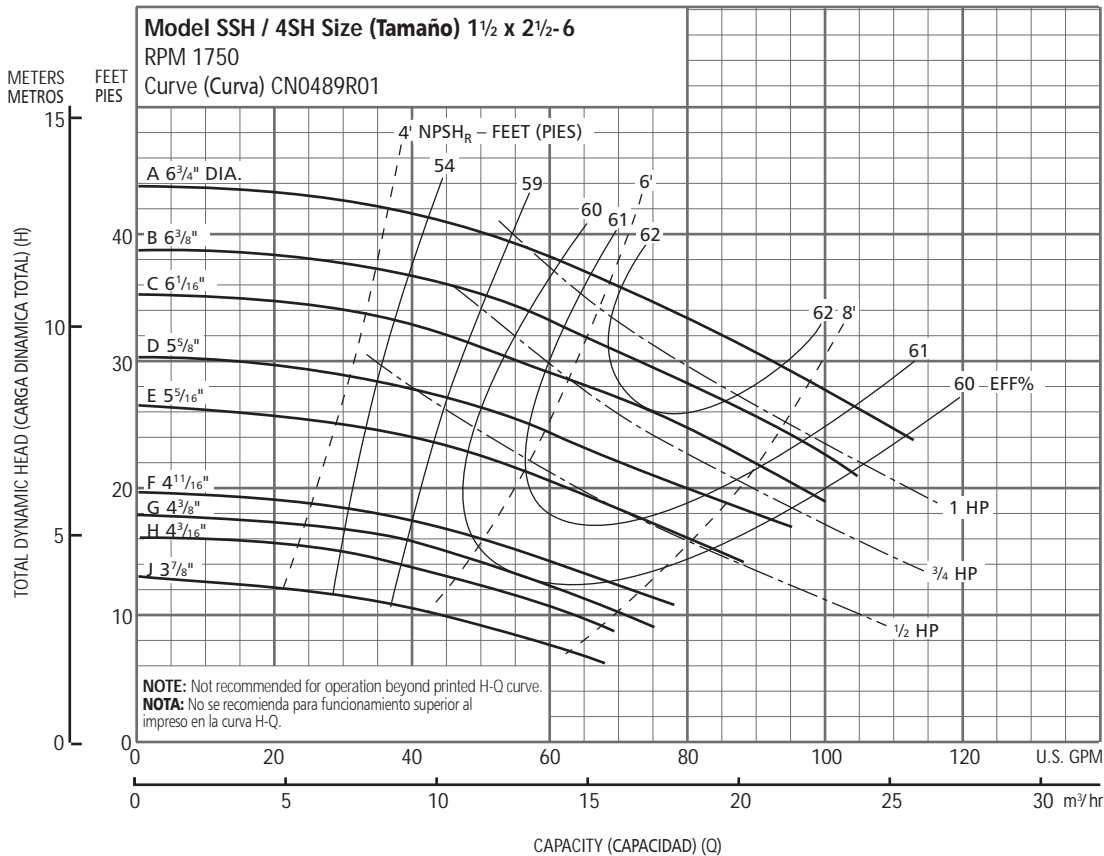
**Performance Curves – 60 Hz, 1750 RPM**  
**Curvas de Funcionamiento – 60 Hz, 1750 RPM**



| Optional Impeller, Impulsor Opcional |                                   |                                          |
|--------------------------------------|-----------------------------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá.                        | Standard HP Rating, Estándar HP Potencia |
| A                                    | 10 <sup>3</sup> / <sub>32</sub> " | 3                                        |
| B                                    | 9 <sup>17</sup> / <sub>32</sub> " | 3                                        |
| C                                    | 9 <sup>1</sup> / <sub>8</sub> "   | 2                                        |
| D                                    | 8 <sup>3</sup> / <sub>4</sub> "   | 2                                        |

**NOTE:** Pump will pass a sphere to <sup>1</sup>/<sub>8</sub>" diameter.

**NOTA:** La bomba pasará una esfera a <sup>1</sup>/<sub>8</sub>" diámetro.

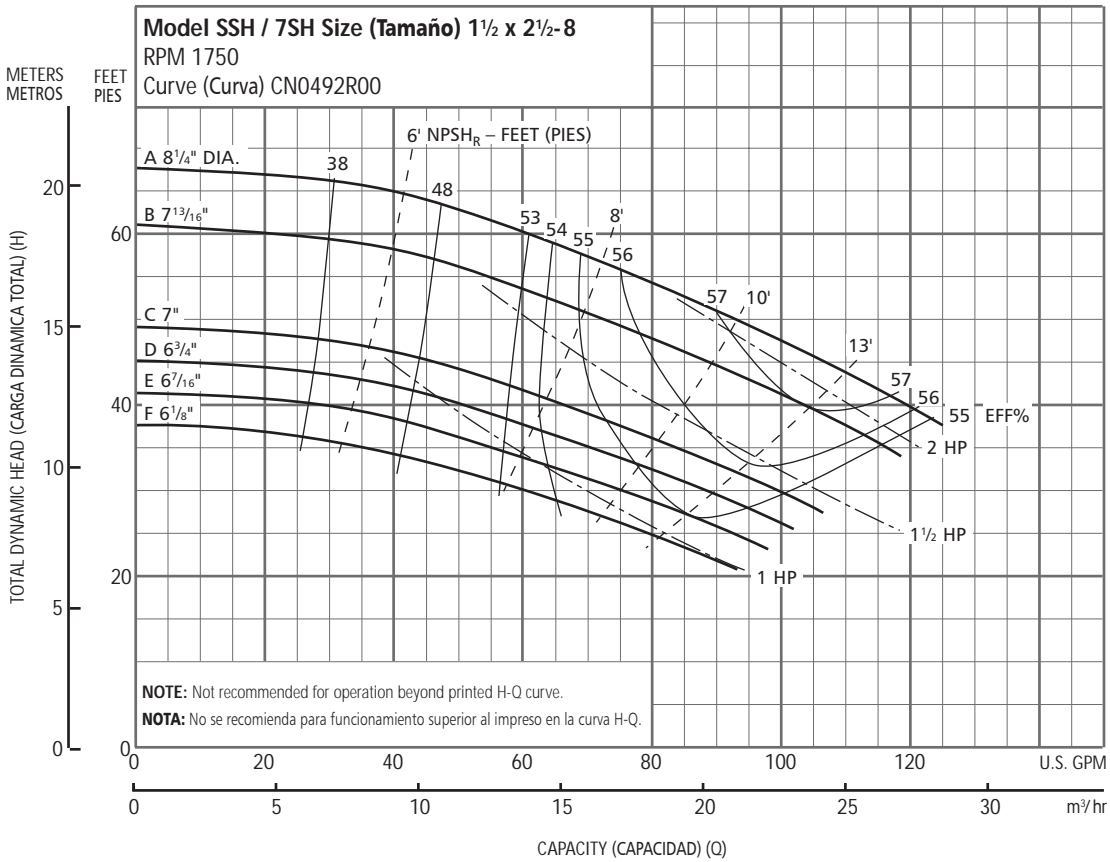


| Optional Impeller, Impulsor Opcional |                                   |                                          |
|--------------------------------------|-----------------------------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá.                        | Standard HP Rating, Estándar HP Potencia |
| A                                    | 6 <sup>3</sup> / <sub>4</sub> "   | 1                                        |
| B                                    | 6 <sup>3</sup> / <sub>8</sub> "   | 1                                        |
| C                                    | 6 <sup>1</sup> / <sub>16</sub> "  | 1                                        |
| D                                    | 5 <sup>5</sup> / <sub>8</sub> "   | 3/4                                      |
| E                                    | 5 <sup>5</sup> / <sub>16</sub> "  | 3/4                                      |
| F                                    | 4 <sup>11</sup> / <sub>16</sub> " | 1/2                                      |
| G                                    | 4 <sup>3</sup> / <sub>8</sub> "   | 1/2                                      |
| H                                    | 4 <sup>3</sup> / <sub>16</sub> "  | 1/2                                      |
| J                                    | 3 <sup>3</sup> / <sub>8</sub> "   | 1/2                                      |

**NOTE:** Pump will pass a sphere to <sup>3</sup>/<sub>16</sub>" diameter.

**NOTA:** La bomba pasará una esfera a <sup>3</sup>/<sub>16</sub>" diámetro.

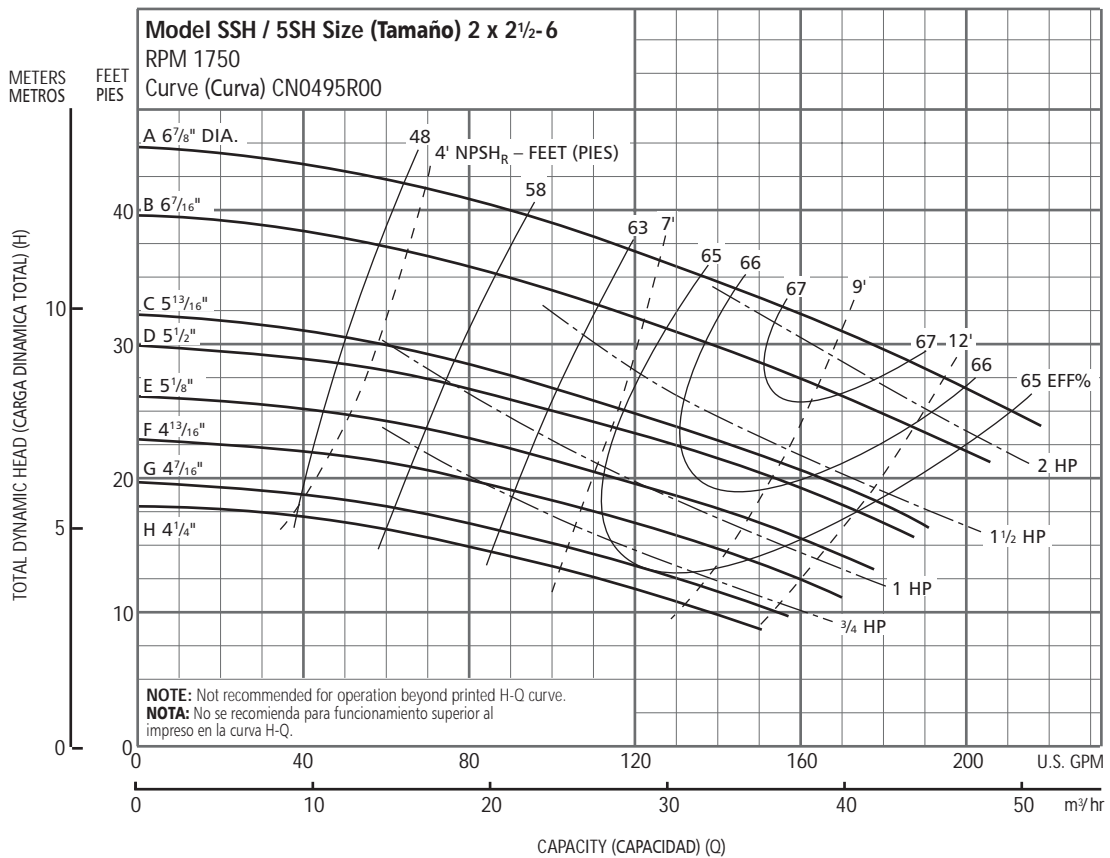
**Performance Curves – 60 Hz, 1750 RPM**  
**Curvas de Funcionamiento – 60 Hz, 1750 RPM**



| Optional Impeller, Impulsor Opcional |                                   |                                          |
|--------------------------------------|-----------------------------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá.                        | Standard HP Rating, Estándar HP Potencia |
| A                                    | 8¼"                               | 2                                        |
| B                                    | 7 <sup>13</sup> / <sub>16</sub> " | 2                                        |
| C                                    | 7                                 | 1½                                       |
| D                                    | 6¾"                               | 1½                                       |
| E                                    | 6 <sup>7</sup> / <sub>16</sub> "  | 1                                        |
| F                                    | 6 <sup>1</sup> / <sub>8</sub> "   | 1                                        |

**NOTE:** Pump will pass a sphere to <sup>3</sup>/<sub>16</sub>" diameter.

**NOTA:** La bomba pasará una esfera a <sup>3</sup>/<sub>16</sub>" diámetro.

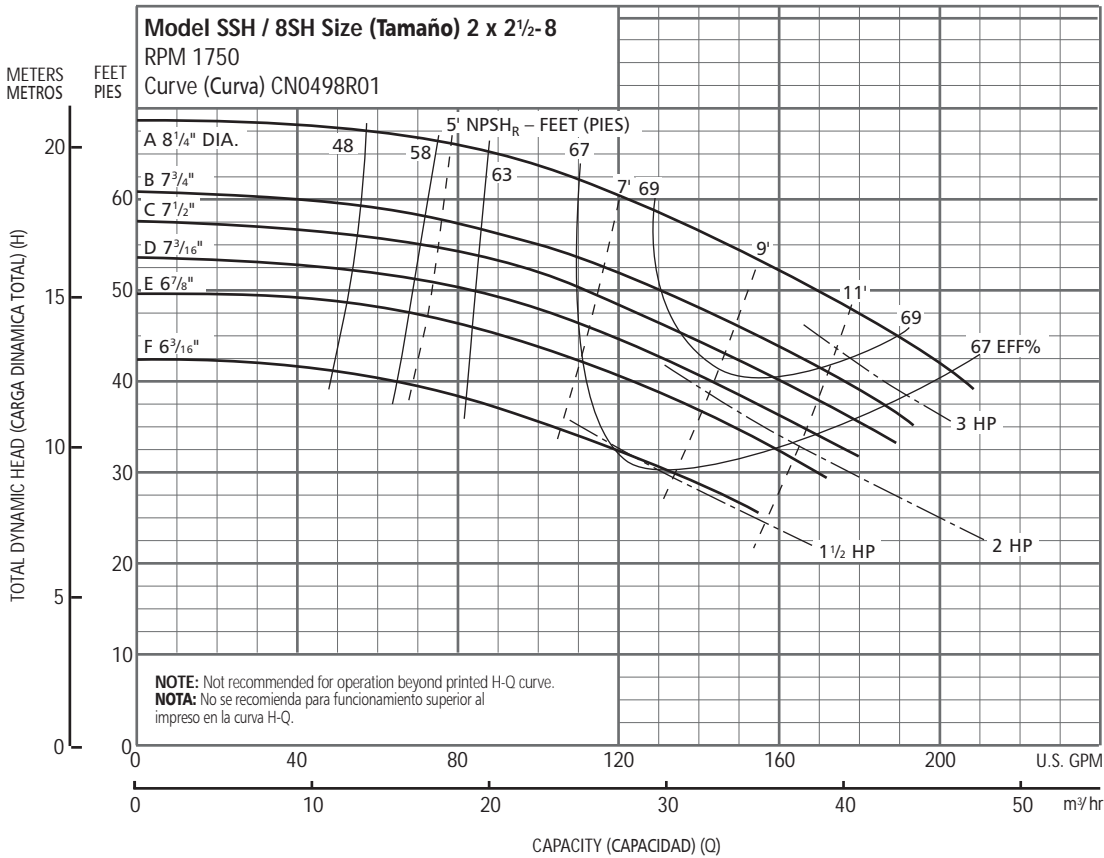


| Optional Impeller, Impulsor Opcional |                                   |                                          |
|--------------------------------------|-----------------------------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá.                        | Standard HP Rating, Estándar HP Potencia |
| A                                    | 6 <sup>7</sup> / <sub>8</sub> "   | 2                                        |
| B                                    | 6 <sup>7</sup> / <sub>16</sub> "  | 2                                        |
| C                                    | 5 <sup>13</sup> / <sub>16</sub> " | 1½                                       |
| D                                    | 5½"                               | 1½                                       |
| E                                    | 5 <sup>1</sup> / <sub>8</sub> "   | 1                                        |
| F                                    | 4 <sup>13</sup> / <sub>16</sub> " | 1                                        |
| G                                    | 4 <sup>7</sup> / <sub>16</sub> "  | ¾                                        |
| H                                    | 4¼"                               | ¾                                        |

**NOTE:** Pump will pass a sphere to <sup>5</sup>/<sub>32</sub>" diameter.

**NOTA:** La bomba pasará una esfera a <sup>5</sup>/<sub>32</sub>" diámetro.

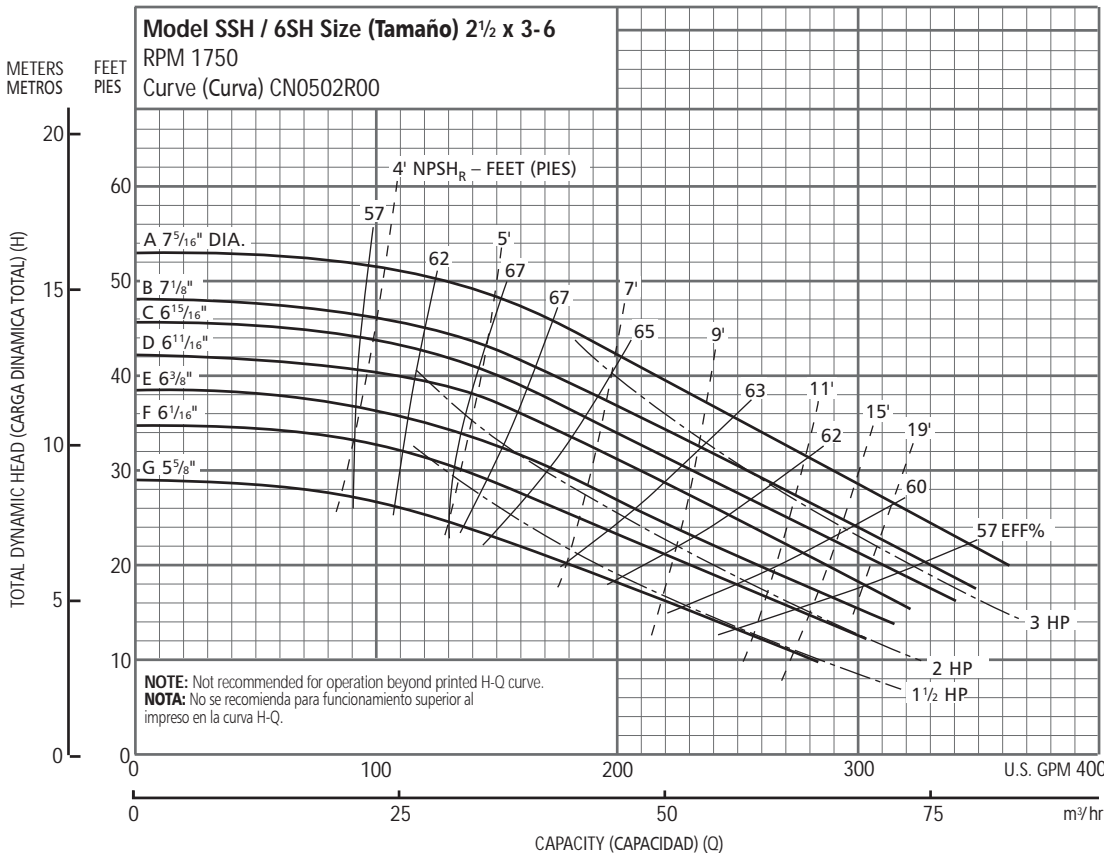
**Performance Curves – 60 Hz, 1750 RPM**  
**Curvas de Funcionamiento – 60 Hz, 1750 RPM**



| Optional Impeller, Impulsor Opcional |            |                                          |
|--------------------------------------|------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá. | Standard HP Rating, Estándar HP Potencia |
| A                                    | 8¼"        | 3                                        |
| B                                    | 7¾"        | 3                                        |
| C                                    | 7½"        | 2                                        |
| D                                    | 7⅜"        | 2                                        |
| E                                    | 6⅞"        | 1½                                       |
| F                                    | 6⅝"        | 1½                                       |

**NOTE:** Pump will pass a sphere to 5/32" diameter.

**NOTA:** La bomba pasará una esfera a 5/32" diámetro.

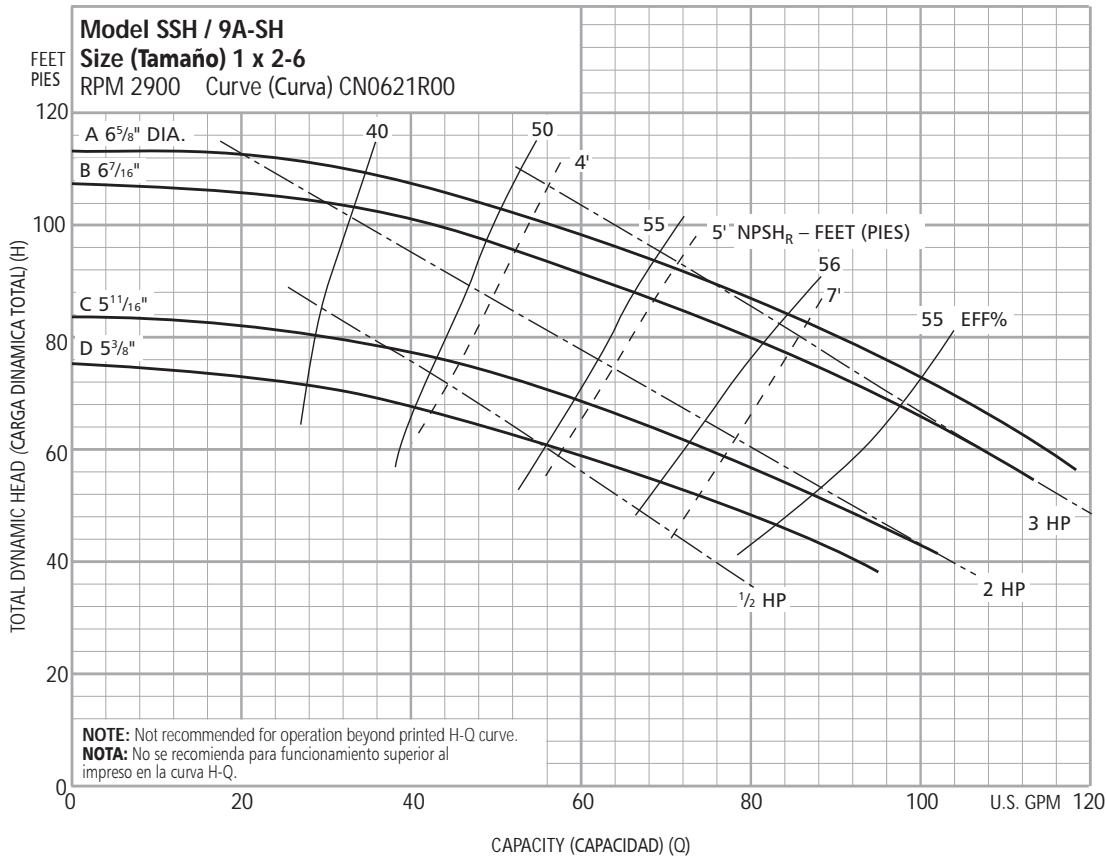


| Optional Impeller, Impulsor Opcional |            |                                          |
|--------------------------------------|------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá. | Standard HP Rating, Estándar HP Potencia |
| A                                    | 7⅝"        | 3                                        |
| B                                    | 7⅞"        | 3                                        |
| C                                    | 6⅝"        | 3                                        |
| D                                    | 6⅞"        | 3                                        |
| E                                    | 6⅜"        | 2                                        |
| F                                    | 6⅞"        | 2                                        |
| G                                    | 5⅝"        | 1½                                       |

**NOTE:** Pump will pass a sphere to 5/16" diameter.

**NOTA:** La bomba pasará una esfera a 5/16" diámetro.

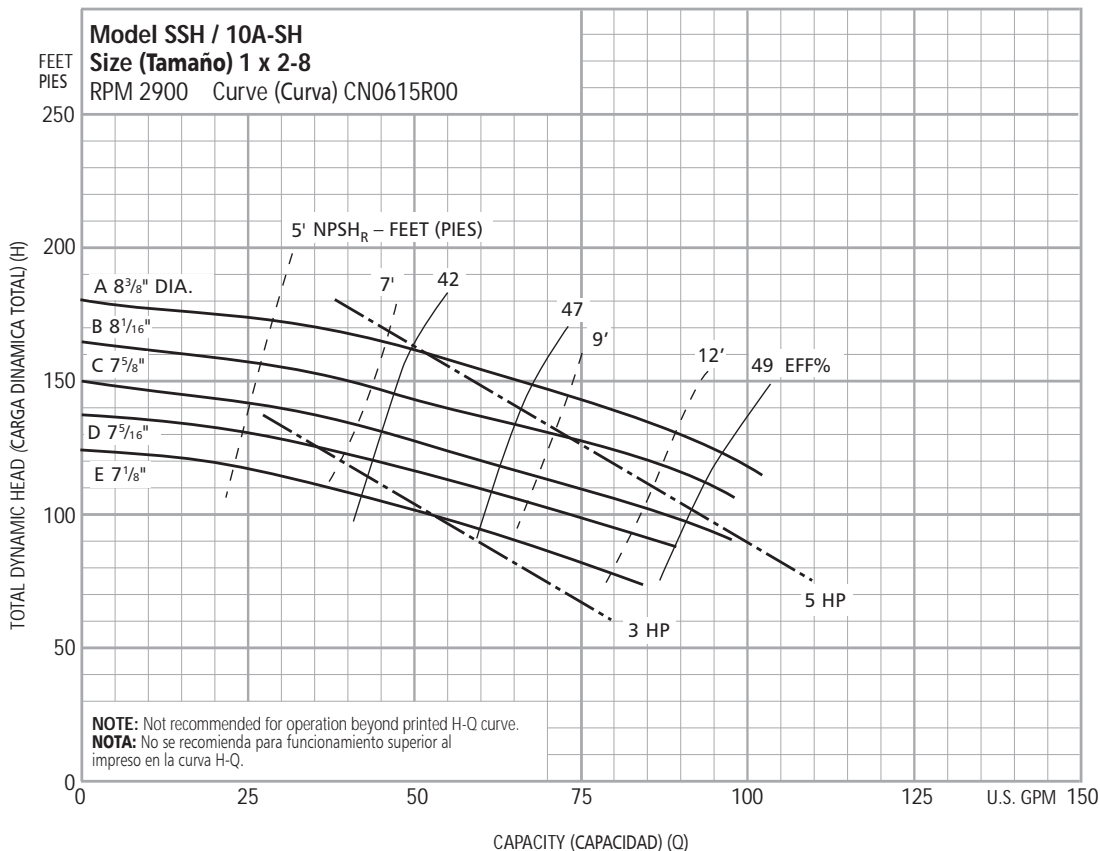
**Performance Curves – 50 Hz, 2900 RPM**  
**Curvas de Funcionamiento – 50 Hz, 2900 RPM**



| Optional Impeller, Impulsor Opcional |                                   |                                          |
|--------------------------------------|-----------------------------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá.                        | Standard HP Rating, Estándar HP Potencia |
| A                                    | 6 <sup>5</sup> / <sub>8</sub> "   | 3                                        |
| B                                    | 6 <sup>7</sup> / <sub>16</sub> "  | 3                                        |
| C                                    | 5 <sup>11</sup> / <sub>16</sub> " | 2                                        |
| D                                    | 5 <sup>3</sup> / <sub>8</sub> "   | 2                                        |

**NOTE:** Pump will pass a sphere to 1/8" diameter.

**NOTA:** La bomba pasará una esfera a 1/8" diámetro.

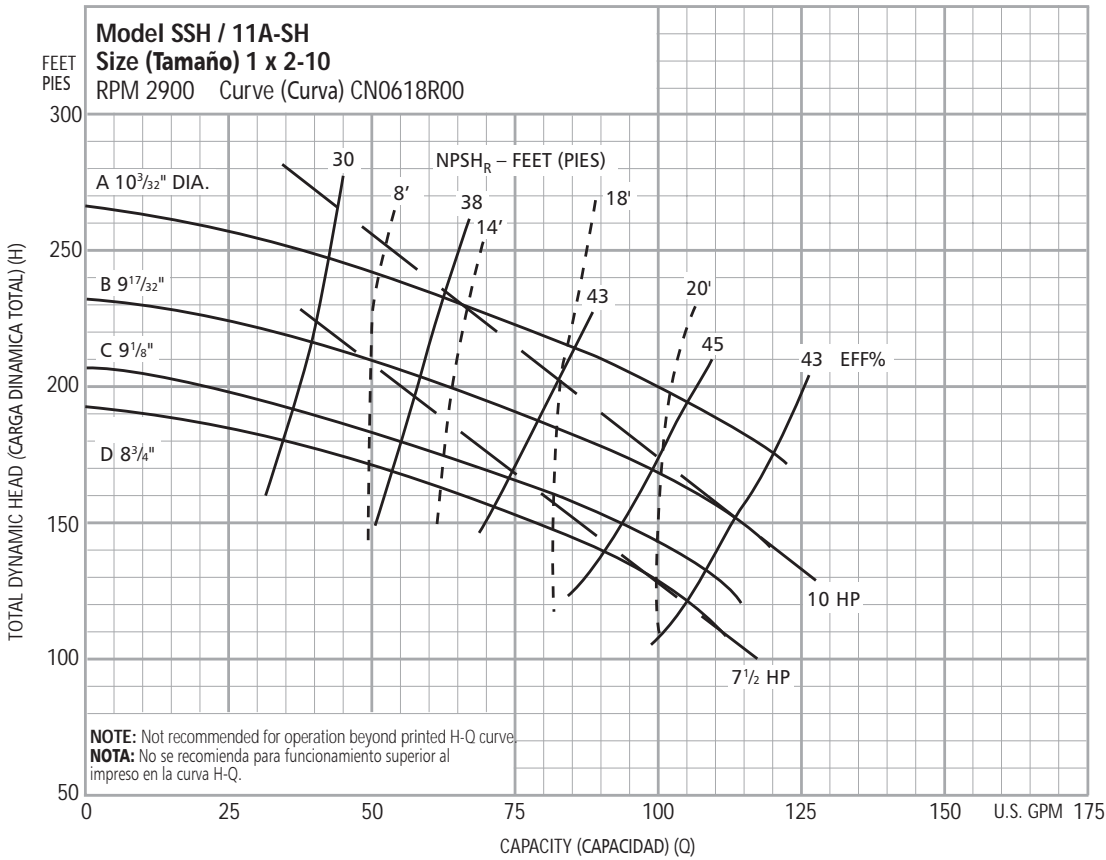


| Optional Impeller, Impulsor Opcional |                                  |                                          |
|--------------------------------------|----------------------------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá.                       | Standard HP Rating, Estándar HP Potencia |
| A                                    | 8 <sup>3</sup> / <sub>8</sub> "  | 5                                        |
| B                                    | 8 <sup>1</sup> / <sub>16</sub> " | 5                                        |
| C                                    | 7 <sup>5</sup> / <sub>8</sub> "  | 5                                        |
| D                                    | 7 <sup>3</sup> / <sub>16</sub> " | 5                                        |
| E                                    | 7 <sup>1</sup> / <sub>8</sub> "  | 3                                        |

**NOTE:** Pump will pass a sphere to 1/8" diameter.

**NOTA:** La bomba pasará una esfera a 1/8" diámetro.

**Performance Curves – 50 Hz, 2900 RPM**  
**Curvas de Funcionamiento – 50 Hz, 2900 RPM**

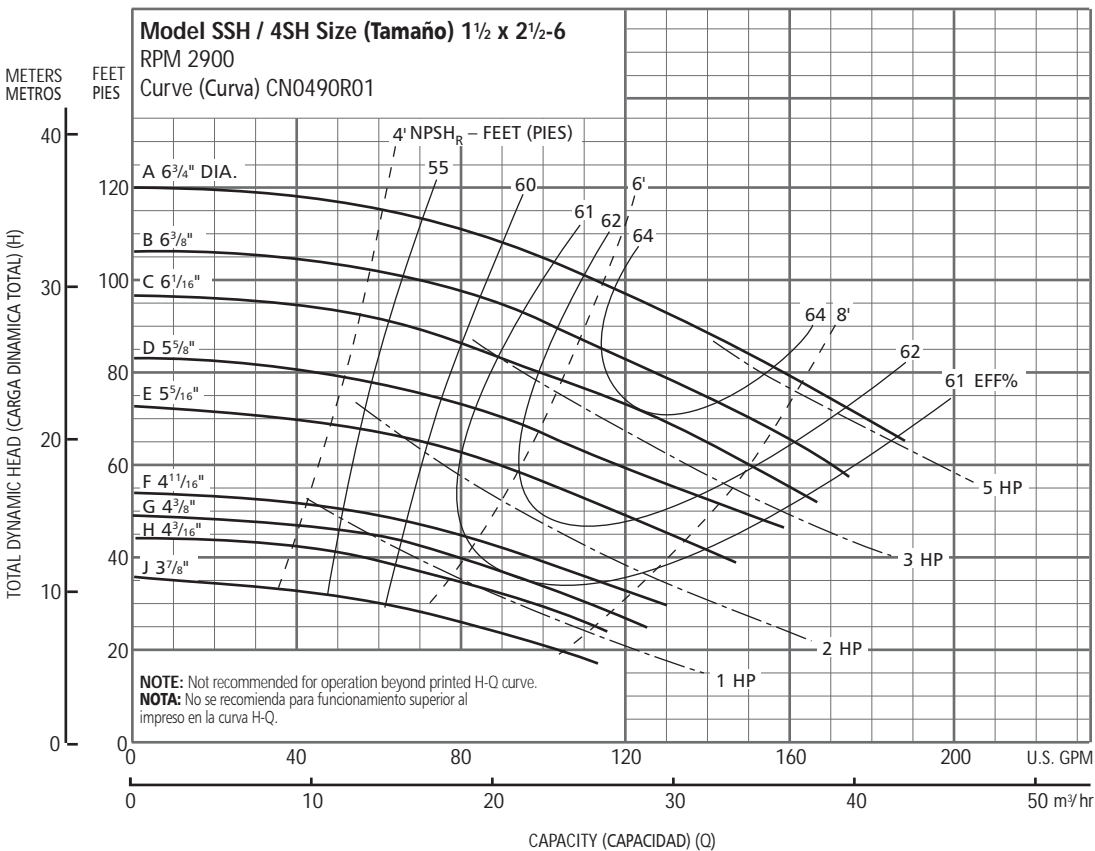


**Optional Impeller, Impulsor Opcional**

| Impeller Code, Código del Impulsor | Dia., Diá.                        | Standard HP Rating, Estándar HP Potencia |
|------------------------------------|-----------------------------------|------------------------------------------|
| A                                  | 10 <sup>3</sup> / <sub>32</sub> " | 15                                       |
| B                                  | 9 <sup>17</sup> / <sub>32</sub> " | 10                                       |
| C                                  | 9 <sup>1</sup> / <sub>8</sub> "   | 10                                       |
| D                                  | 8 <sup>3</sup> / <sub>4</sub> "   | 7 1/2                                    |

**NOTE:** Pump will pass a sphere to <sup>1</sup>/<sub>8</sub>" diameter.

**NOTA:** La bomba pasará una esfera a <sup>1</sup>/<sub>8</sub>" diámetro.



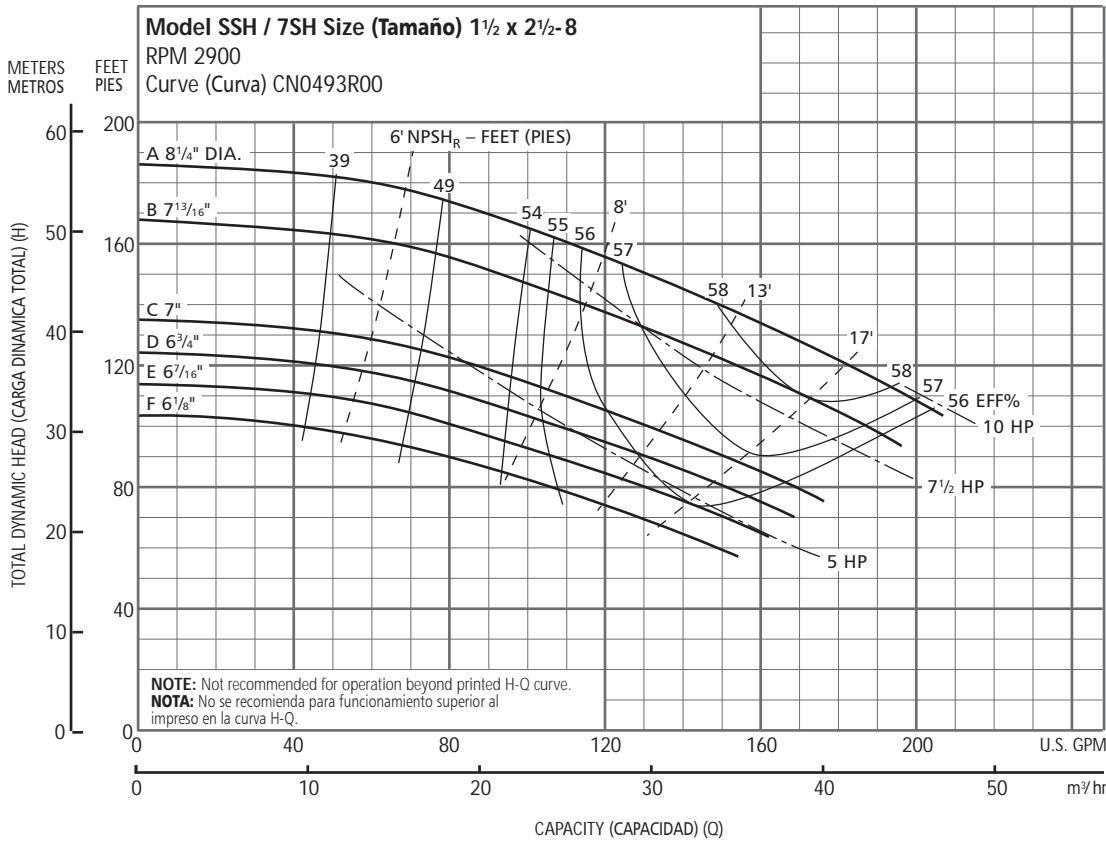
**Optional Impeller, Impulsor Opcional**

| Impeller Code, Código del Impulsor | Dia., Diá.                       | Standard HP Rating, Estándar HP Potencia |
|------------------------------------|----------------------------------|------------------------------------------|
| A                                  | 6 <sup>3</sup> / <sub>4</sub> "  | 5                                        |
| B                                  | 6 <sup>3</sup> / <sub>8</sub> "  | 5                                        |
| C                                  | 6 <sup>1</sup> / <sub>16</sub> " | 5                                        |
| D                                  | 5 <sup>5</sup> / <sub>8</sub> "  | 3                                        |
| E                                  | 5 <sup>5</sup> / <sub>16</sub> " | 3                                        |
| F                                  | 4 <sup>1</sup> / <sub>16</sub> " | 2                                        |
| G                                  | 4 <sup>3</sup> / <sub>8</sub> "  | 2                                        |
| H                                  | 4 <sup>3</sup> / <sub>16</sub> " | 1 1/2                                    |
| J                                  | 3 <sup>7</sup> / <sub>8</sub> "  | 1                                        |

**NOTE:** Pump will pass a sphere to <sup>3</sup>/<sub>16</sub>" diameter.

**NOTA:** La bomba pasará una esfera a <sup>3</sup>/<sub>16</sub>" diámetro.

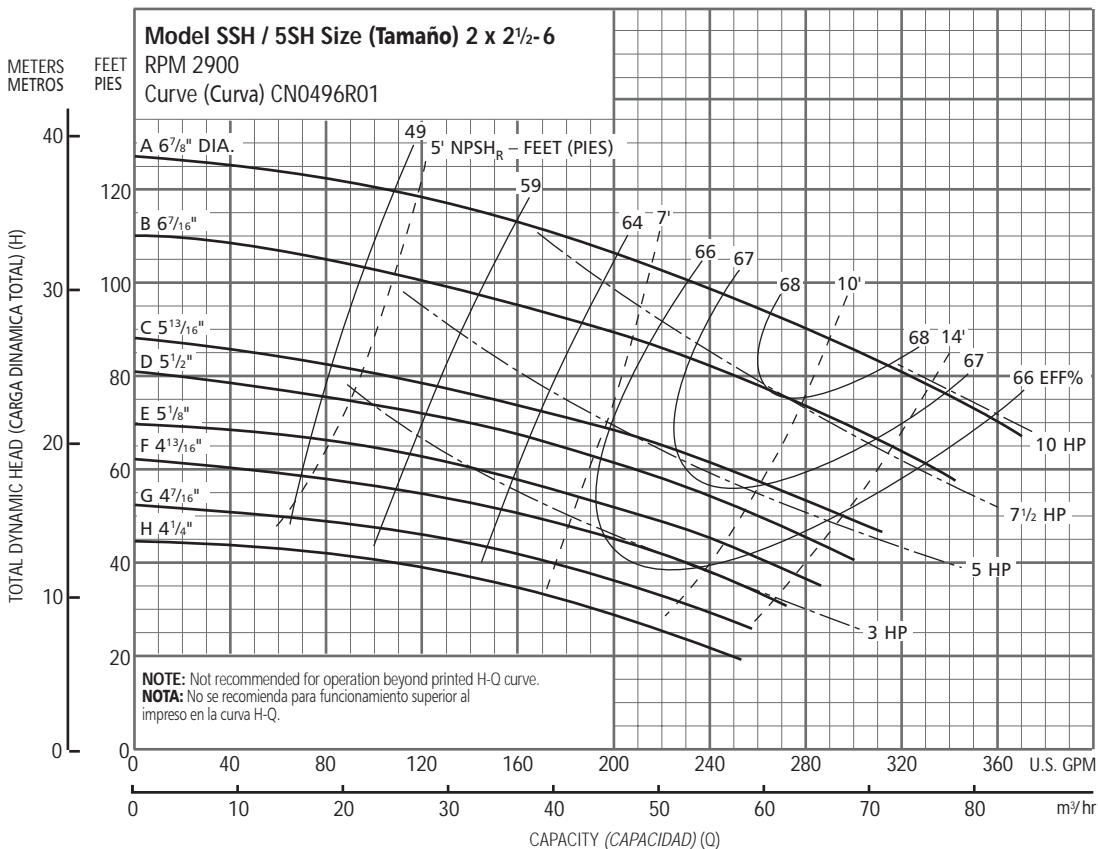
**Performance Curves – 50 Hz, 2900 RPM**  
**Curvas de Funcionamiento – 50 Hz, 2900 RPM**



| Optional Impeller,<br>Impulsor Opcional |                                   |                                             |
|-----------------------------------------|-----------------------------------|---------------------------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá.                     | Standard HP Rating,<br>Estándar HP Potencia |
| A                                       | 8¼"                               | 10                                          |
| B                                       | 7 <sup>13</sup> / <sub>16</sub> " | 7½                                          |
| C                                       | 7                                 | 7½                                          |
| D                                       | 6¾"                               | 7½                                          |
| E                                       | 6 <sup>7</sup> / <sub>16</sub> "  | 5                                           |
| F                                       | 6 <sup>1</sup> / <sub>8</sub> "   | 5                                           |

**NOTE:** Pump will pass a sphere to 3/16" diameter.

**NOTA:** La bomba pasará una esfera a 3/16" diámetro.

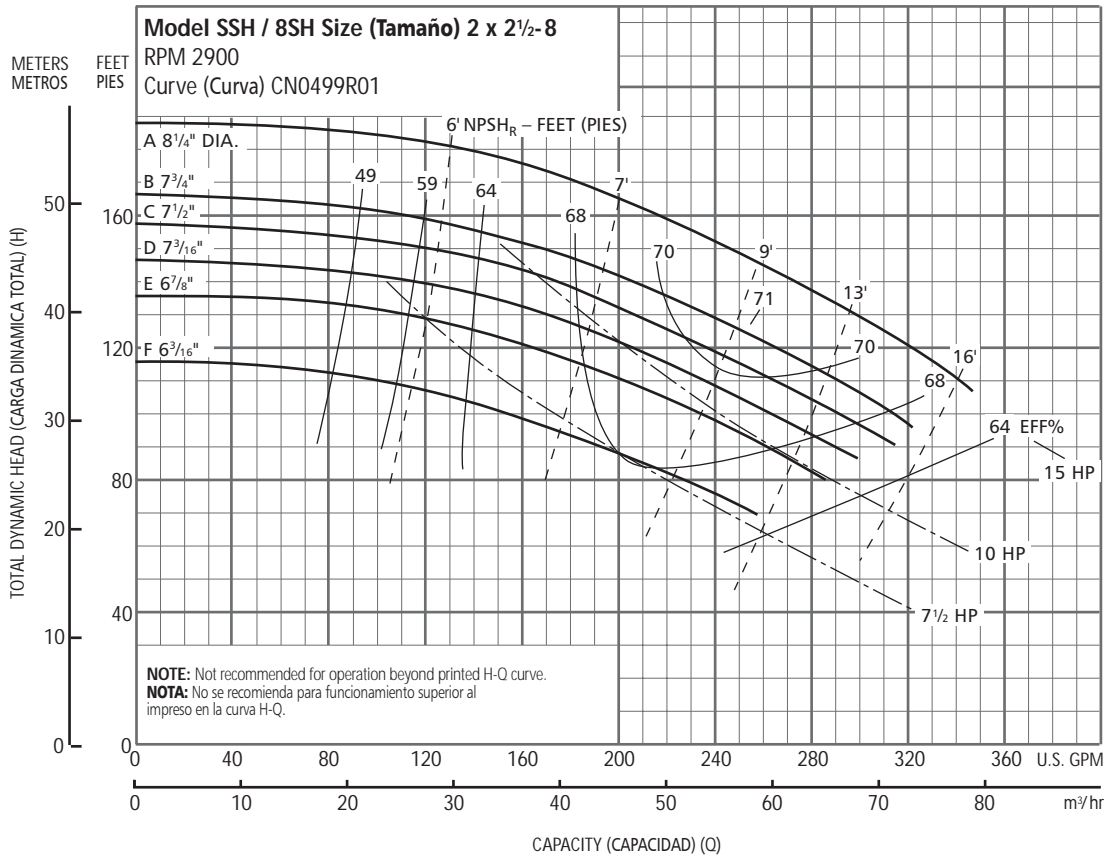


| Optional Impeller,<br>Impulsor Opcional |                                   |                                             |
|-----------------------------------------|-----------------------------------|---------------------------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá.                     | Standard HP Rating,<br>Estándar HP Potencia |
| A                                       | 6 <sup>7</sup> / <sub>8</sub> "   | 10                                          |
| B                                       | 6 <sup>7</sup> / <sub>16</sub> "  | 7½                                          |
| C                                       | 5 <sup>13</sup> / <sub>16</sub> " | 7½                                          |
| D                                       | 5½"                               | 5                                           |
| E                                       | 5 <sup>1</sup> / <sub>8</sub> "   | 5                                           |
| F                                       | 4 <sup>13</sup> / <sub>16</sub> " | 3                                           |
| G                                       | 4 <sup>7</sup> / <sub>16</sub> "  | 3                                           |
| H                                       | 4¼"                               | 3                                           |

**NOTE:** Pump will pass a sphere to 5/32" diameter.

**NOTA:** La bomba pasará una esfera a 5/32" diámetro.

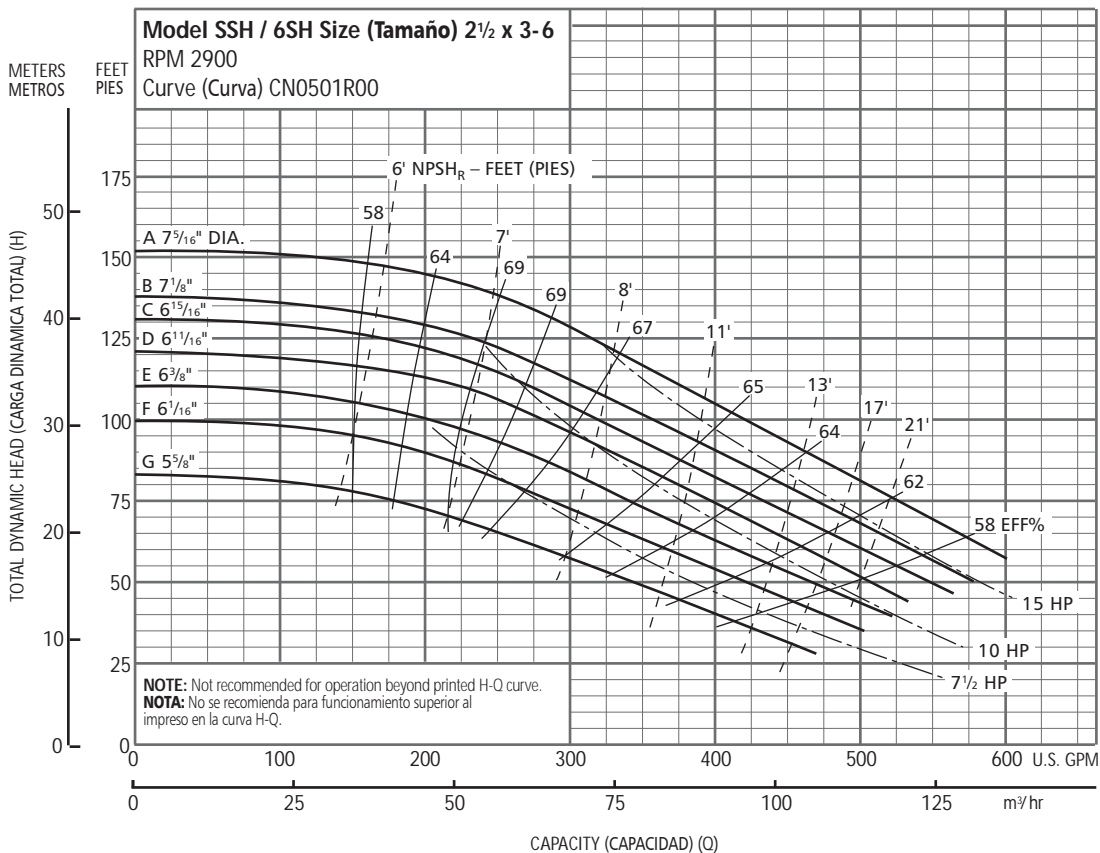
**Performance Curves – 50 Hz, 2900 RPM**  
**Curvas de Funcionamiento – 50 Hz, 2900 RPM**



| Optional Impeller, Impulsor Opcional |            |                                          |
|--------------------------------------|------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá. | Standard HP Rating, Estándar HP Potencia |
| A                                    | 8 1/4"     | 15                                       |
| B                                    | 7 3/4"     | 15                                       |
| C                                    | 7 1/2"     | 10                                       |
| D                                    | 7 3/16"    | 10                                       |
| E                                    | 6 7/8"     | 7 1/2                                    |
| F                                    | 6 3/16"    | 7 1/2                                    |

**NOTE:** Pump will pass a sphere to 5/32" diameter.

**NOTA:** La bomba pasará una esfera a 5/32" diámetro.



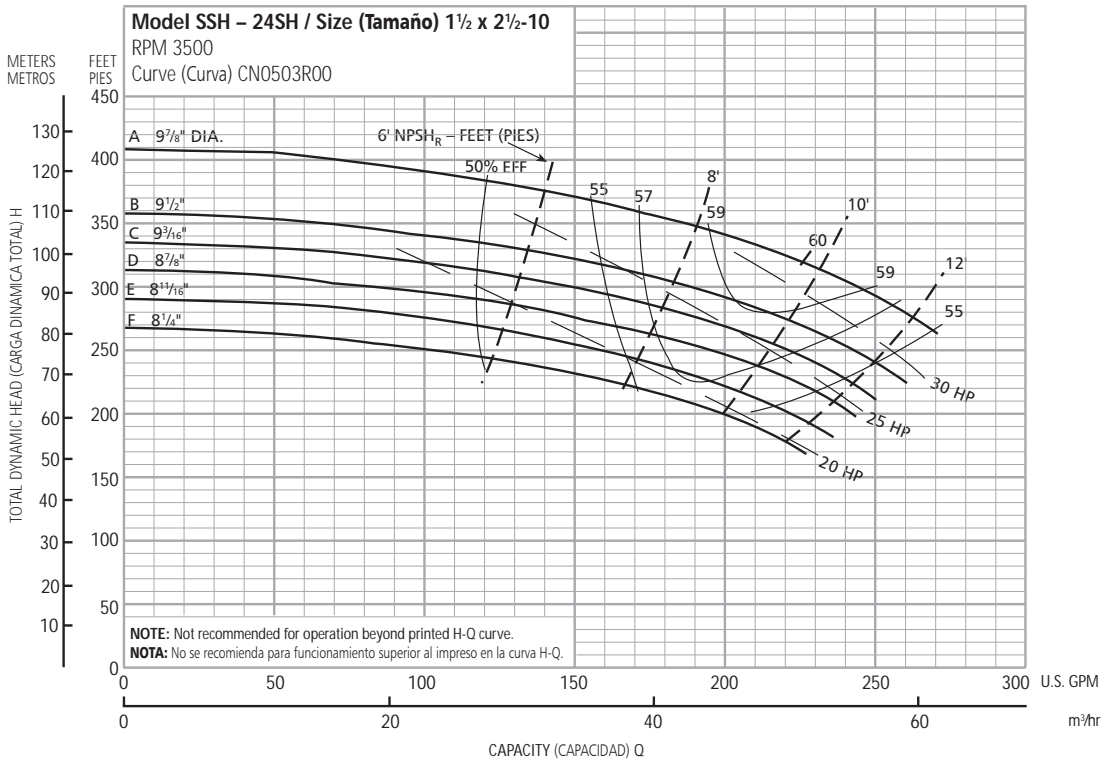
| Optional Impeller, Impulsor Opcional |            |                                          |
|--------------------------------------|------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá. | Standard HP Rating, Estándar HP Potencia |
| A                                    | 7 5/16"    | 15                                       |
| B                                    | 7 1/8"     | 15                                       |
| C                                    | 6 15/16"   | 15                                       |
| D                                    | 6 1 1/16"  | 10                                       |
| E                                    | 6 3/8"     | 10                                       |
| F                                    | 6 1/16"    | 7 1/2                                    |
| G                                    | 5 5/8"     | 7 1/2                                    |

**NOTE:** Pump will pass a sphere to 5/16" diameter.

**NOTA:** La bomba pasará una esfera a 5/16" diámetro.

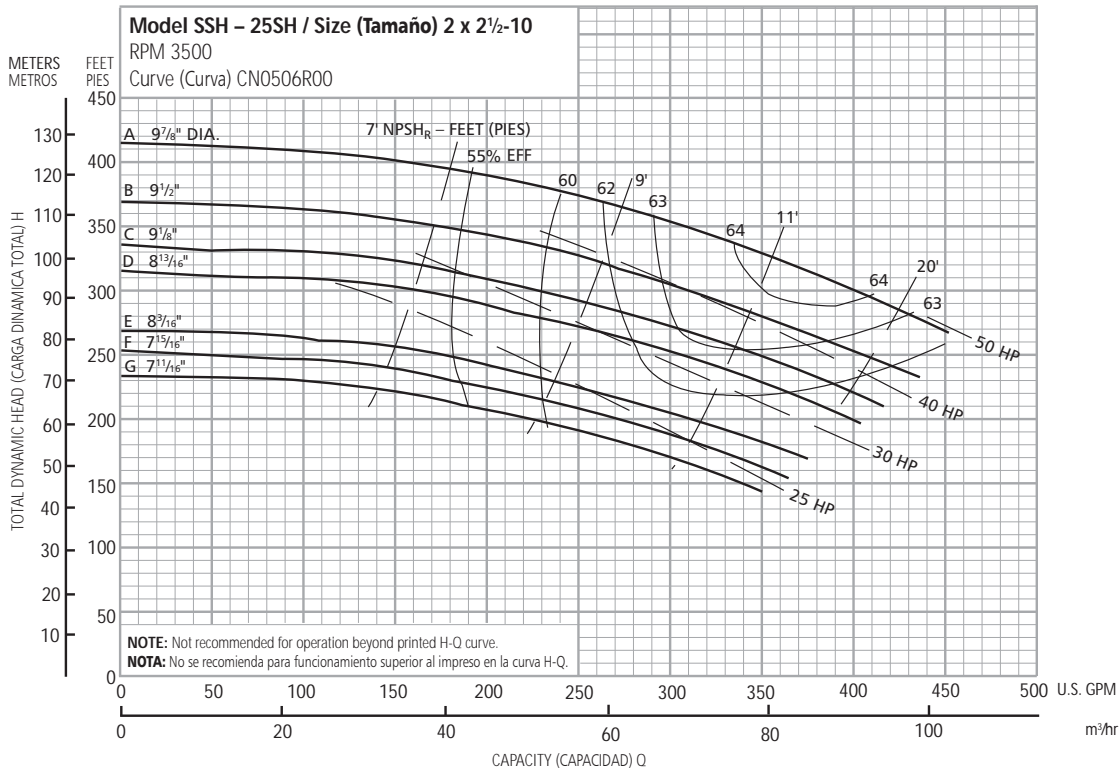


**Performance Curves – 60 Hz, 3500 RPM**  
**Curvas de Funcionamiento – 60 Hz, 3500 RPM**



| Optional Impeller,<br>Impulsor Opcional |                                   |                                             |
|-----------------------------------------|-----------------------------------|---------------------------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá.                     | Standard HP Rating,<br>Estándar HP Potencia |
| A                                       | 9 <sup>7</sup> / <sub>8</sub> "   | 30                                          |
| B                                       | 9 <sup>1</sup> / <sub>2</sub> "   | 30                                          |
| C                                       | 9 <sup>3</sup> / <sub>16</sub> "  | 25                                          |
| D                                       | 8 <sup>7</sup> / <sub>8</sub> "   | 25                                          |
| E                                       | 8 <sup>11</sup> / <sub>16</sub> " | 20                                          |
| F                                       | 8 <sup>1</sup> / <sub>4</sub> "   | 20                                          |

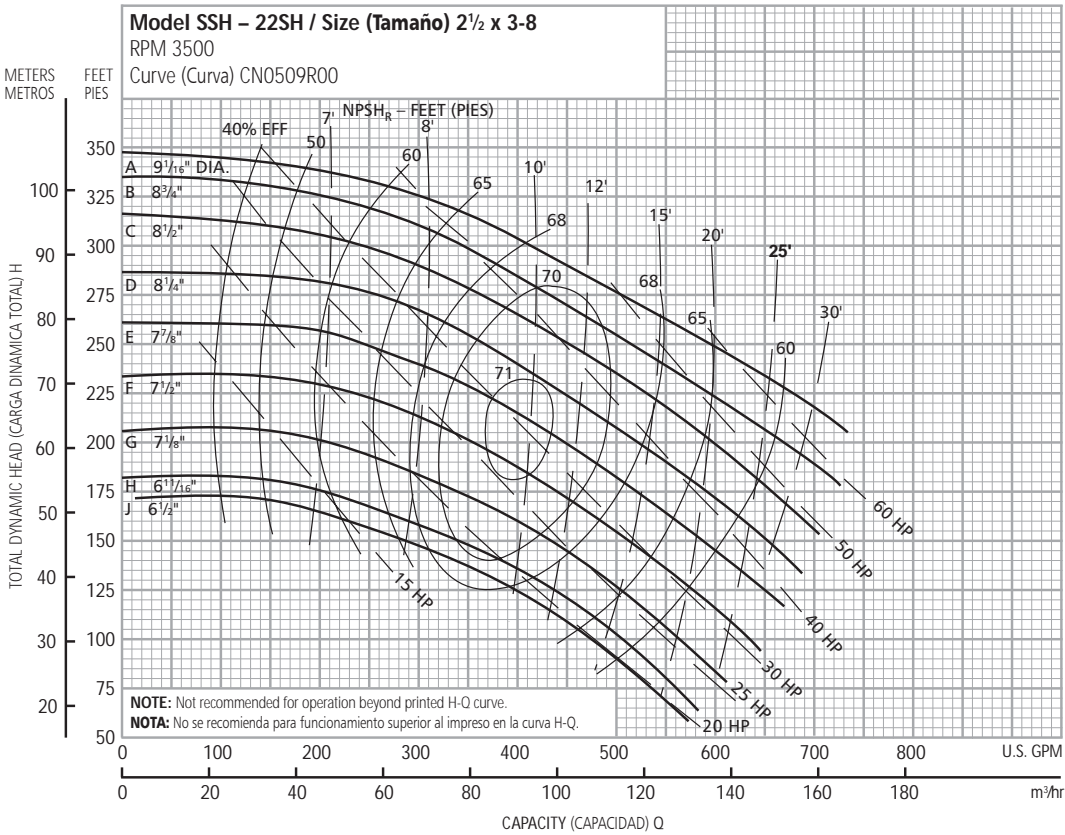
NOTE: Pump will pass a sphere to <sup>5</sup>/<sub>16</sub>" diameter.  
 NOTA: La bomba pasará una esfera a <sup>5</sup>/<sub>16</sub>" diámetro.



| Optional Impeller,<br>Impulsor Opcional |                                   |                                             |
|-----------------------------------------|-----------------------------------|---------------------------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá.                     | Standard HP Rating,<br>Estándar HP Potencia |
| A                                       | 9 <sup>7</sup> / <sub>8</sub> "   | 50                                          |
| B                                       | 9 <sup>1</sup> / <sub>2</sub> "   | 40                                          |
| C                                       | 9 <sup>1</sup> / <sub>8</sub> "   | 40                                          |
| D                                       | 8 <sup>13</sup> / <sub>16</sub> " | 30                                          |
| E                                       | 8 <sup>3</sup> / <sub>16</sub> "  | 30                                          |
| F                                       | 7 <sup>5</sup> / <sub>16</sub> "  | 25                                          |
| G                                       | 7 <sup>1</sup> / <sub>16</sub> "  | 25                                          |

NOTE: Pump will pass a sphere to <sup>1</sup>/<sub>2</sub>" diameter.  
 NOTA: La bomba pasará una esfera a <sup>1</sup>/<sub>2</sub>" diámetro.

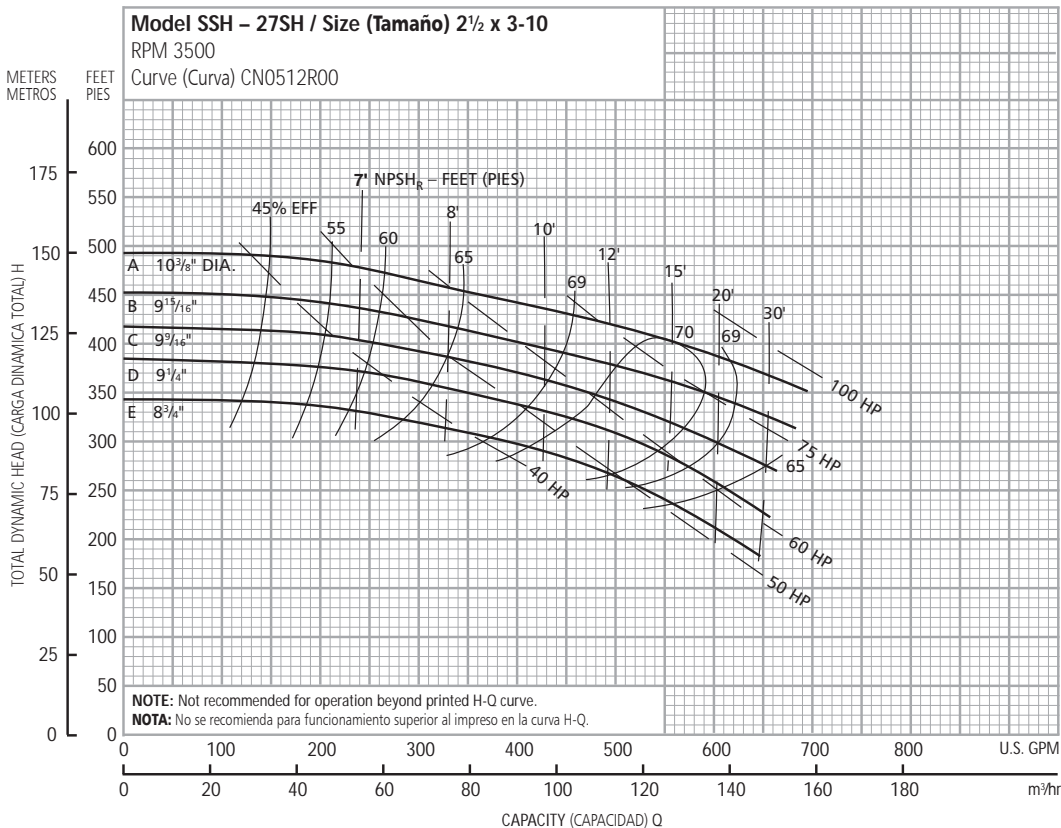
**Performance Curves – 60 Hz, 3500 RPM**  
**Curvas de Funcionamiento – 60 Hz, 3500 RPM**



| Optional Impeller,<br>Impulsor Opcional |                        |                        |
|-----------------------------------------|------------------------|------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá. Estándar | HP Rating,<br>Potencia |
| A                                       | 9 1/16"                | 60                     |
| B                                       | 8 3/4"                 | 50                     |
| C                                       | 8 1/2"                 | 50                     |
| D                                       | 8 1/4"                 | 40                     |
| E                                       | 7 7/8"                 | 40                     |
| F                                       | 7 1/2"                 | 30                     |
| G                                       | 7 1/8"                 | 25                     |
| H                                       | 6 11/16"               | 20                     |
| J                                       | 6 1/2"                 | 20                     |

**NOTE:** Pump will pass a sphere to 1 9/32" diameter.

**NOTA:** La bomba pasará una esfera a 1 9/32" diámetro.

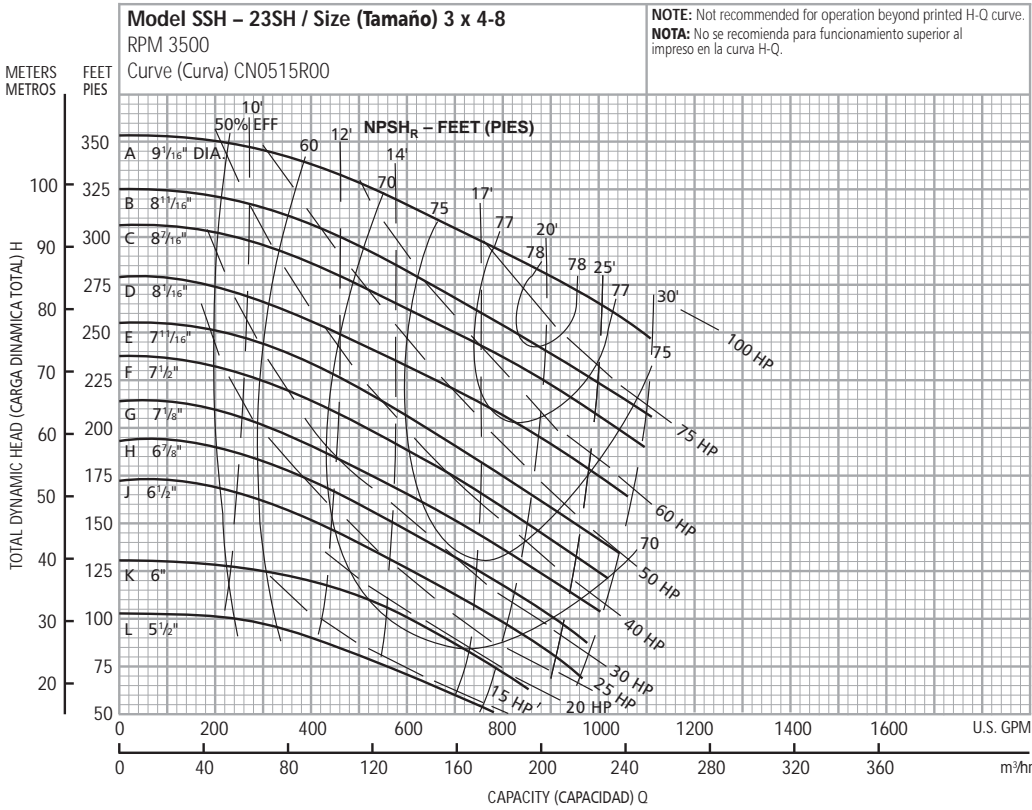


| Optional Impeller,<br>Impulsor Opcional |                        |                        |
|-----------------------------------------|------------------------|------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá. Estándar | HP Rating,<br>Potencia |
| A                                       | 10 3/8"                | 100                    |
| B                                       | 9 15/16"               | 75                     |
| C                                       | 9 9/16"                | 75                     |
| D                                       | 9 1/4"                 | 60                     |
| E                                       | 8 3/4"                 | 50                     |

**NOTE:** Pump will pass a sphere to 1 9/32" diameter.

**NOTA:** La bomba pasará una esfera a 1 9/32" diámetro.

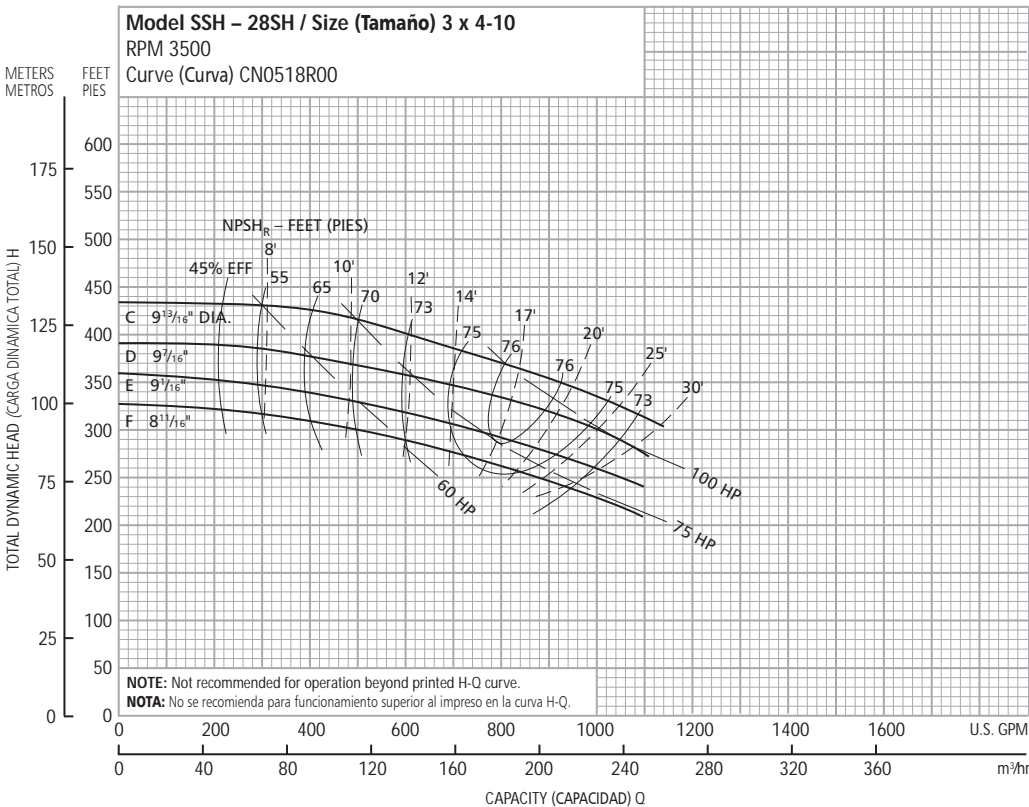
**Performance Curves – 60 Hz, 3500 RPM**  
**Curvas de Funcionamiento – 60 Hz, 3500 RPM**



| Optional Impeller, Impulsor Opcional |                                  |                                          |
|--------------------------------------|----------------------------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá.                       | Standard HP Rating, Estándar HP Potencia |
| A                                    | 9 <sup>1</sup> / <sub>16</sub> " | 75                                       |
| B                                    | 8 <sup>1</sup> / <sub>16</sub> " | 75                                       |
| C                                    | 8 <sup>7</sup> / <sub>16</sub> " | 60                                       |
| D                                    | 8 <sup>1</sup> / <sub>16</sub> " | 50                                       |
| E                                    | 7 <sup>1</sup> / <sub>16</sub> " | 50                                       |
| F                                    | 7 <sup>1</sup> / <sub>2</sub> "  | 40                                       |
| G                                    | 7 <sup>1</sup> / <sub>8</sub> "  | 40                                       |
| H                                    | 6 <sup>7</sup> / <sub>8</sub> "  | 30                                       |
| J                                    | 6 <sup>1</sup> / <sub>2</sub> "  | 25                                       |
| K                                    | 6"                               | 20                                       |
| L                                    | 5 <sup>1</sup> / <sub>2</sub> "  | 15                                       |

**NOTE:** Pump will pass a sphere to 3/4" diameter.

**NOTA:** La bomba pasará una esfera a 3/4" diámetro.

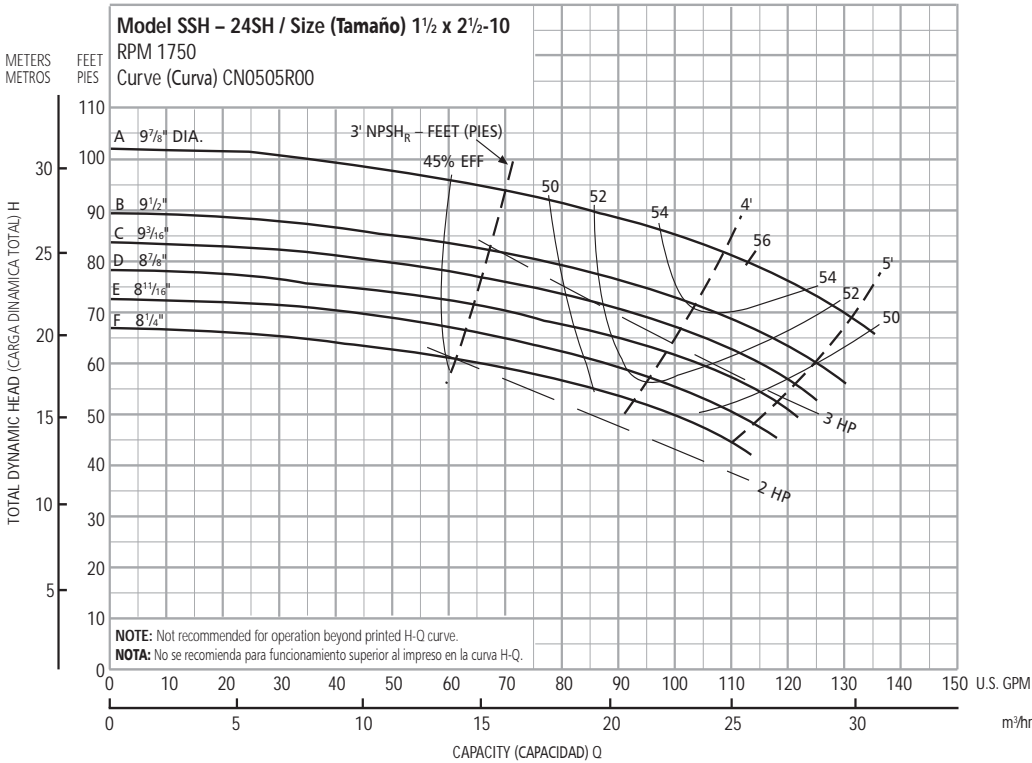


| Optional Impeller, Impulsor Opcional |                                   |                                          |
|--------------------------------------|-----------------------------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá.                        | Standard HP Rating, Estándar HP Potencia |
| C                                    | 9 <sup>13</sup> / <sub>16</sub> " | 100                                      |
| D                                    | 9 <sup>7</sup> / <sub>16</sub> "  | 100                                      |
| E                                    | 9 <sup>1</sup> / <sub>16</sub> "  | 75                                       |
| F                                    | 8 <sup>1</sup> / <sub>16</sub> "  | 75                                       |

**NOTE:** Pump will pass a sphere to 3/4" diameter.

**NOTA:** La bomba pasará una esfera a 3/4" diámetro.

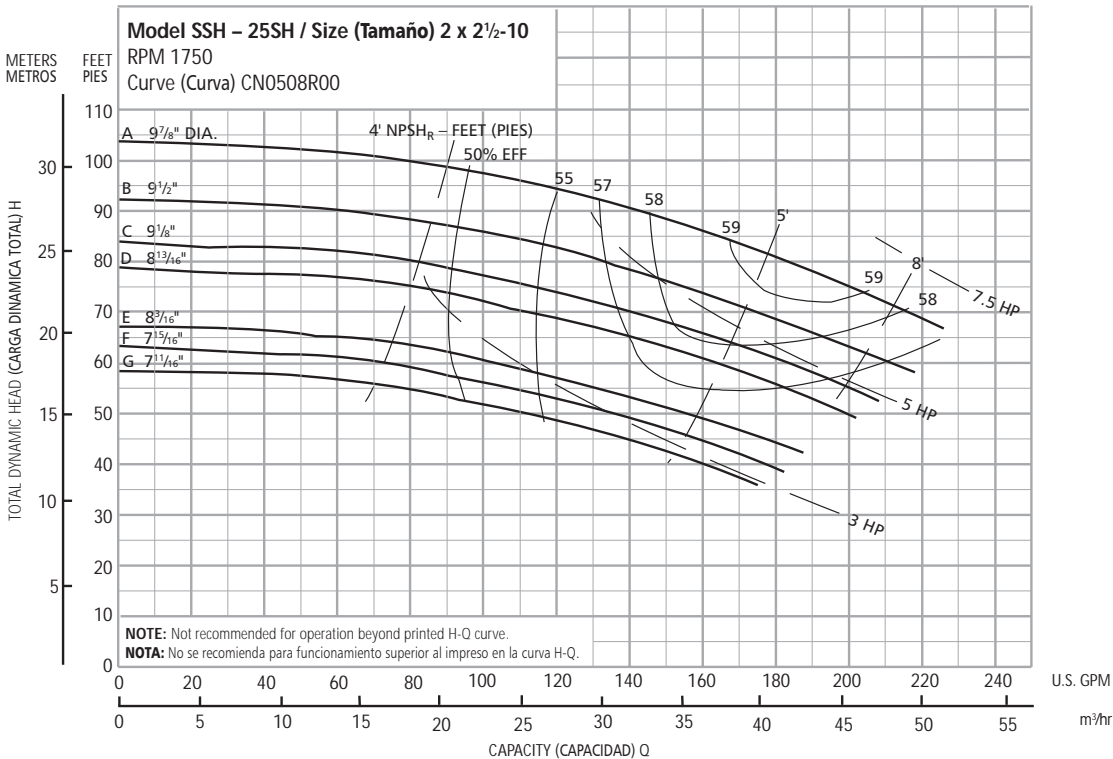
**Performance Curves – 60 Hz, 1750 RPM**  
**Curvas de Funcionamiento – 60 Hz, 1750 RPM**



| Optional Impeller, Impulsor Opcional |                                   |                                          |
|--------------------------------------|-----------------------------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá.                        | Standard HP Rating, Estándar HP Potencia |
| A                                    | 9 <sup>7</sup> / <sub>8</sub> "   | 5                                        |
| B                                    | 9 <sup>1</sup> / <sub>2</sub> "   | 5                                        |
| C                                    | 9 <sup>3</sup> / <sub>16</sub> "  | 3                                        |
| D                                    | 8 <sup>7</sup> / <sub>8</sub> "   | 3                                        |
| E                                    | 8 <sup>11</sup> / <sub>16</sub> " | 3                                        |
| F                                    | 8 <sup>1</sup> / <sub>4</sub> "   | 2                                        |

NOTE: Pump will pass a sphere to 5/16" diameter.

NOTA: La bomba pasará una esfera a 5/16" diámetro.

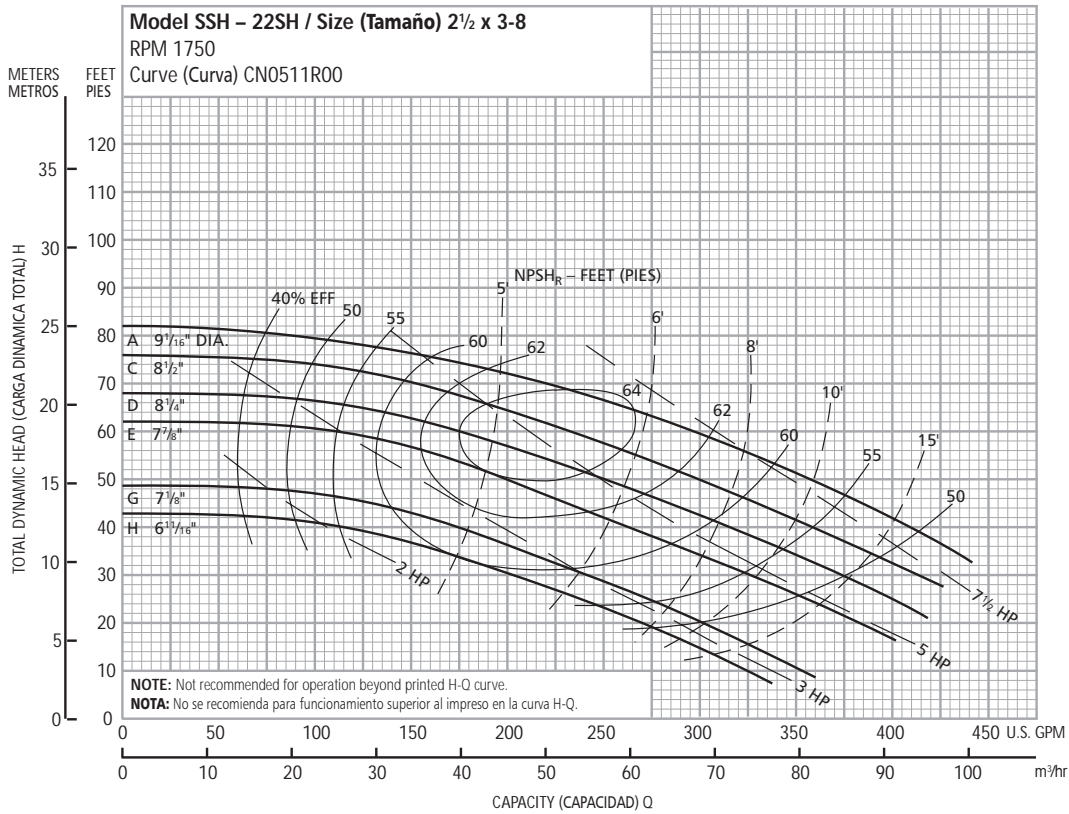


| Optional Impeller, Impulsor Opcional |                                   |                                          |
|--------------------------------------|-----------------------------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá.                        | Standard HP Rating, Estándar HP Potencia |
| A                                    | 9 <sup>7</sup> / <sub>8</sub> "   | 7½                                       |
| B                                    | 9 <sup>1</sup> / <sub>2</sub> "   | 5                                        |
| C                                    | 9 <sup>1</sup> / <sub>8</sub> "   | 5                                        |
| D                                    | 8 <sup>13</sup> / <sub>16</sub> " | 5                                        |
| E                                    | 8 <sup>3</sup> / <sub>16</sub> "  | 3                                        |
| F                                    | 7 <sup>15</sup> / <sub>16</sub> " | 3                                        |
| G                                    | 7 <sup>11</sup> / <sub>16</sub> " | 3                                        |

NOTE: Pump will pass a sphere to 1/2" diameter.

NOTA: La bomba pasará una esfera a 1/2" diámetro.

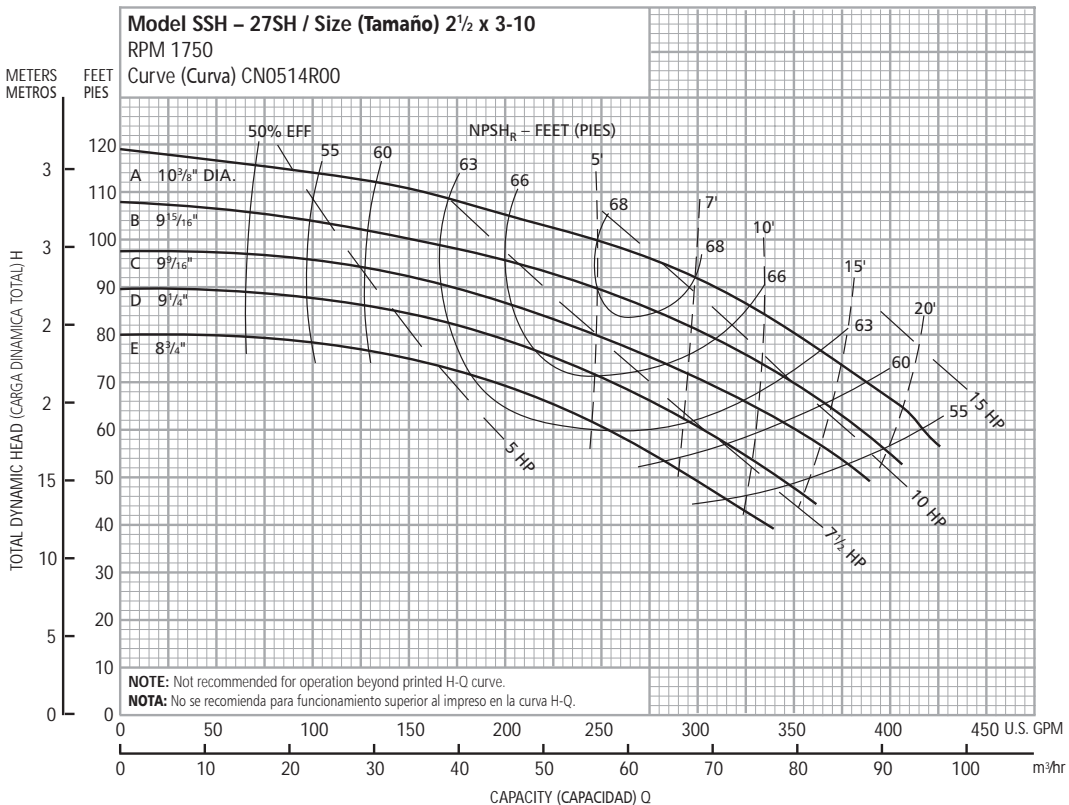
**Performance Curves – 60 Hz, 1725 RPM**  
**Curvas de Funcionamiento – 60 Hz, 1725 RPM**



| Optional Impeller,<br>Impulsor Opcional |                                  |                                             |
|-----------------------------------------|----------------------------------|---------------------------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá.                    | Standard HP Rating,<br>Estándar HP Potencia |
| A                                       | 9 <sup>1</sup> / <sub>16</sub> " | 7½                                          |
| C                                       | 8½                               | 7½                                          |
| D                                       | 8¼                               | 5                                           |
| E                                       | 7 <sup>7</sup> / <sub>8</sub>    | 5                                           |
| G                                       | 7 <sup>1</sup> / <sub>8</sub>    | 3                                           |
| H                                       | 6 <sup>1</sup> / <sub>16</sub>   | 3                                           |

**NOTE:** Pump will pass a sphere to 1<sup>9</sup>/<sub>32</sub>" diameter.

**NOTA:** La bomba pasará una esfera a 1<sup>9</sup>/<sub>32</sub>" diámetro.

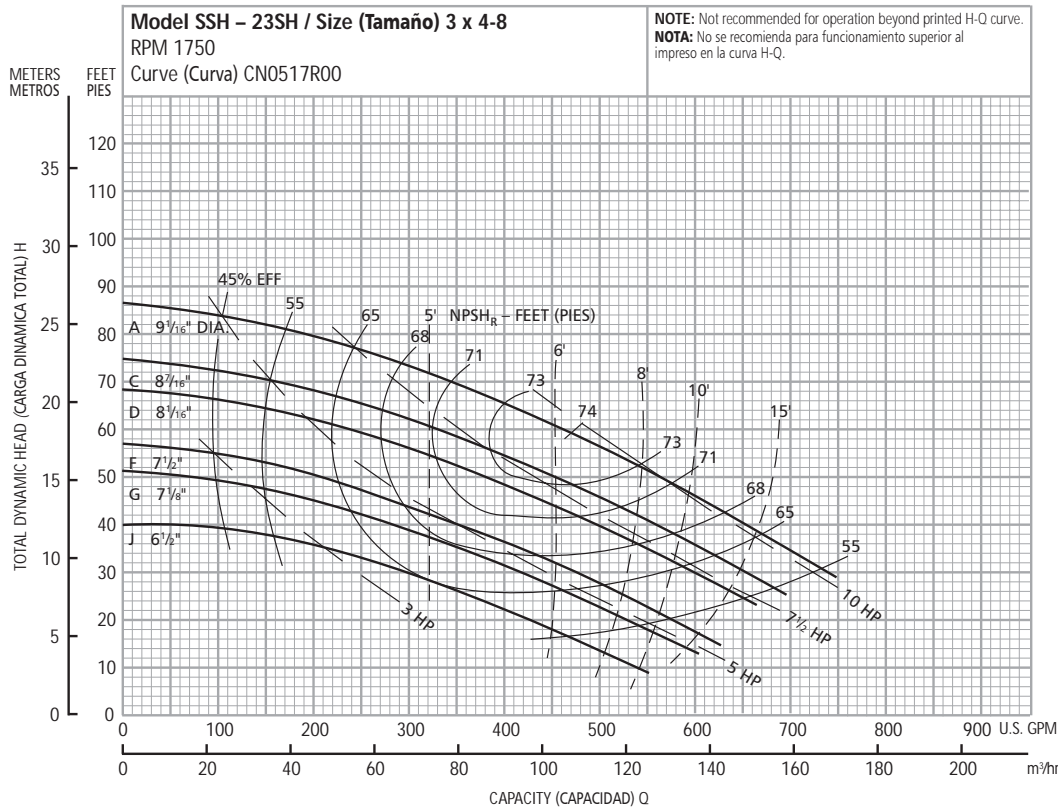


| Optional Impeller,<br>Impulsor Opcional |                                  |                                             |
|-----------------------------------------|----------------------------------|---------------------------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá.                    | Standard HP Rating,<br>Estándar HP Potencia |
| A                                       | 10 <sup>3</sup> / <sub>8</sub> " | 15                                          |
| B                                       | 9 <sup>15</sup> / <sub>16</sub>  | 10                                          |
| C                                       | 9 <sup>7</sup> / <sub>16</sub>   | 10                                          |
| D                                       | 9¼                               | 7½                                          |
| E                                       | 8¾                               | 7½                                          |

**NOTE:** Pump will pass a sphere to 1<sup>9</sup>/<sub>32</sub>" diameter.

**NOTA:** La bomba pasará una esfera a 1<sup>9</sup>/<sub>32</sub>" diámetro.

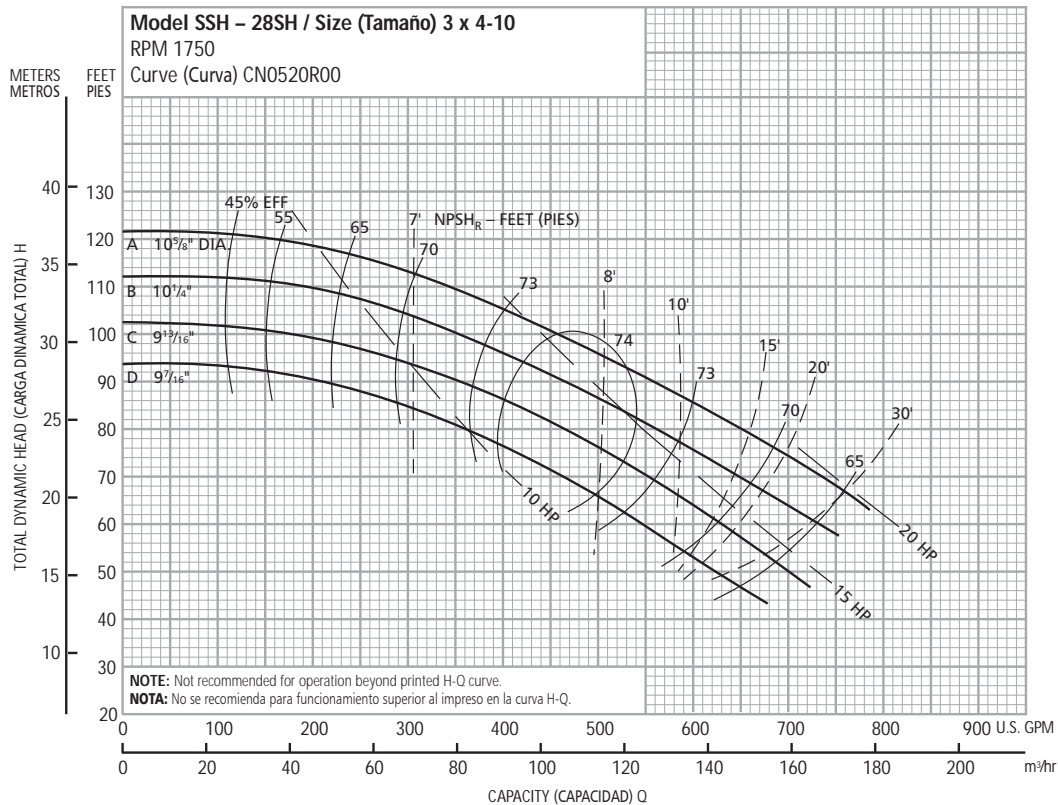
**Performance Curves – 60 Hz, 1725 RPM**  
**Curvas de Funcionamiento – 60 Hz, 1725 RPM**



| Optional Impeller,<br>Impulsor Opcional |                                  |                                             |
|-----------------------------------------|----------------------------------|---------------------------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá.                    | Standard HP Rating,<br>Estándar HP Potencia |
| A                                       | 9 <sup>1</sup> / <sub>16</sub> " | 10                                          |
| C                                       | 8 <sup>7</sup> / <sub>16</sub> " | 7 <sup>1</sup> / <sub>2</sub>               |
| D                                       | 8 <sup>1</sup> / <sub>16</sub> " | 7 <sup>1</sup> / <sub>2</sub>               |
| F                                       | 7 <sup>1</sup> / <sub>2</sub> "  | 5                                           |
| G                                       | 7 <sup>1</sup> / <sub>8</sub> "  | 5                                           |
| J                                       | 6 <sup>1</sup> / <sub>2</sub> "  | 3                                           |

**NOTE:** Pump will pass a sphere to 1/2" diameter.

**NOTA:** La bomba pasará una esfera a 1/2" diámetro.

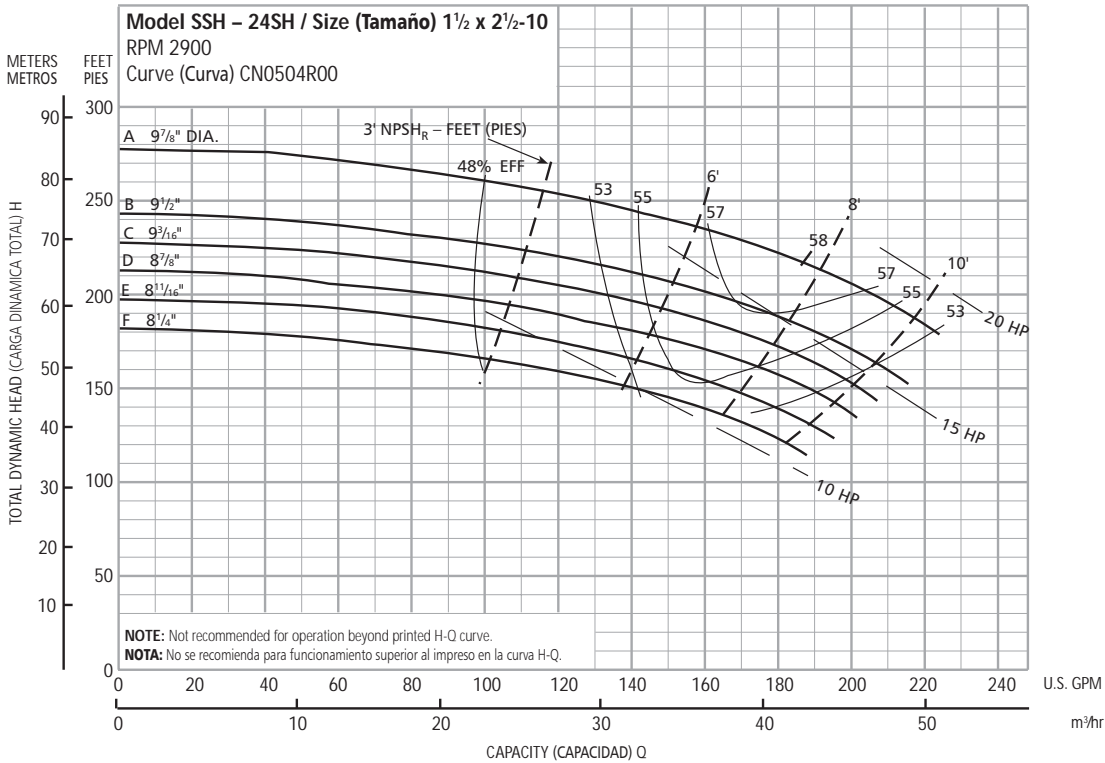


| Optional Impeller,<br>Impulsor Opcional |                                   |                                             |
|-----------------------------------------|-----------------------------------|---------------------------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá.                     | Standard HP Rating,<br>Estándar HP Potencia |
| A                                       | 10 <sup>5</sup> / <sub>16</sub> " | 20                                          |
| B                                       | 10 <sup>1</sup> / <sub>4</sub> "  | 15                                          |
| C                                       | 9 <sup>13</sup> / <sub>16</sub> " | 15                                          |
| D                                       | 9 <sup>7</sup> / <sub>16</sub> "  | 15                                          |

**NOTE:** Pump will pass a sphere to 3/4" diameter.

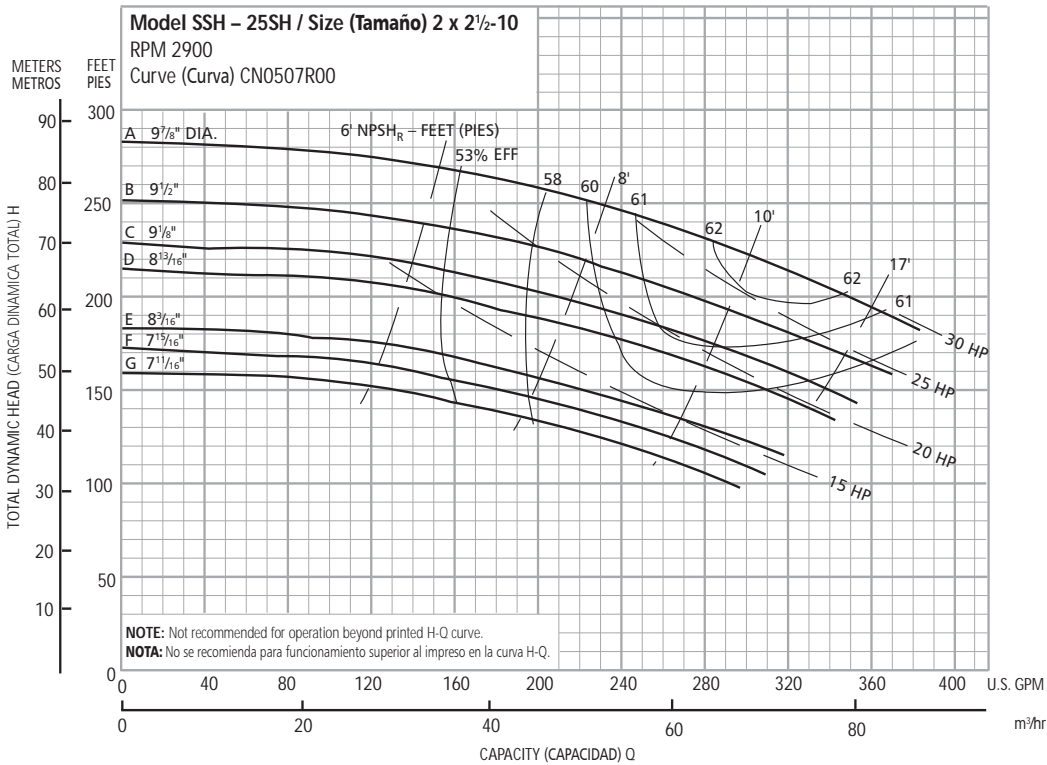
**NOTA:** La bomba pasará una esfera a 3/4" diámetro.

**Performance Curves – 50 Hz, 2900 RPM**  
**Curvas de Funcionamiento – 50 Hz, 2900 RPM**



| Optional Impeller, Impulsor Opcional |            |                                          |
|--------------------------------------|------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá. | Standard HP Rating, Estándar HP Potencia |
| A                                    | 9 7/8"     | 20                                       |
| B                                    | 9 1/2"     | 15                                       |
| C                                    | 9 3/16"    | 15                                       |
| D                                    | 8 7/8"     | 15                                       |
| E                                    | 8 1 1/16"  | 10                                       |
| F                                    | 8 1/4"     | 10                                       |

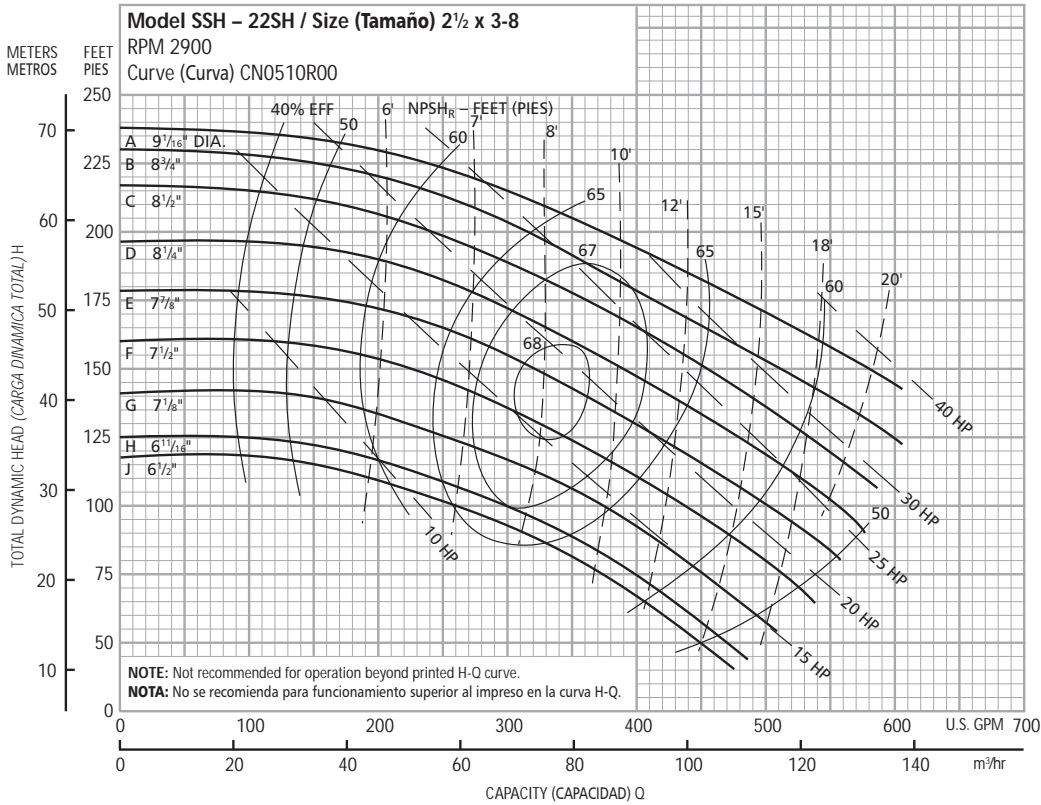
**NOTE:** Pump will pass a sphere to 1/2" diameter.  
**NOTA:** La bomba pasará una esfera a 1/2" diámetro.



| Optional Impeller, Impulsor Opcional |            |                                          |
|--------------------------------------|------------|------------------------------------------|
| Impeller Code, Código del Impulsor   | Dia., Diá. | Standard HP Rating, Estándar HP Potencia |
| A                                    | 9 7/8"     | 30                                       |
| B                                    | 9 1/2"     | 25                                       |
| C                                    | 9 1/8"     | 20                                       |
| D                                    | 8 3/16"    | 20                                       |
| E                                    | 8 3/16"    | 15                                       |
| F                                    | 7 15/16"   | 15                                       |
| G                                    | 7 1 1/16"  | 15                                       |

**NOTE:** Pump will pass a sphere to 5/16" diameter.  
**NOTA:** La bomba pasará una esfera a 5/16" diámetro.

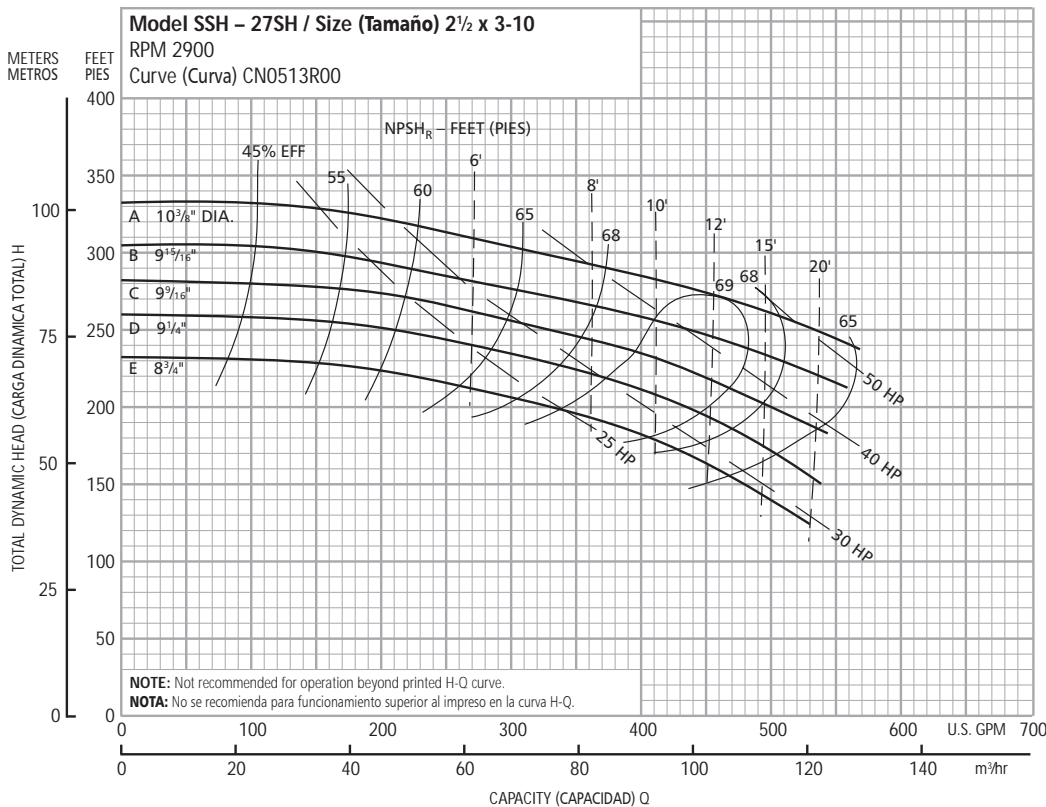
**Performance Curves – 50 Hz, 2900 RPM**  
**Curvas de Funcionamiento – 50 Hz, 2900 RPM**



| Optional Impeller,<br>Impulsor Opcional |               |                                             |
|-----------------------------------------|---------------|---------------------------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá. | Standard HP Rating,<br>Estándar HP Potencia |
| A                                       | 9 1/16"       | 40                                          |
| B                                       | 8 3/4"        | 30                                          |
| C                                       | 8 1/2"        | 30                                          |
| D                                       | 8 1/4"        | 25                                          |
| E                                       | 7 7/8"        | 20                                          |
| F                                       | 7 1/2"        | 20                                          |
| G                                       | 7 1/8"        | 15                                          |
| H                                       | 6 11/16"      | 15                                          |
| J                                       | 6 1/2"        | 15                                          |

**NOTE:** Pump will pass a sphere to 1 9/32" diameter.

**NOTA:** La bomba pasará una esfera a 1 9/32" diámetro.



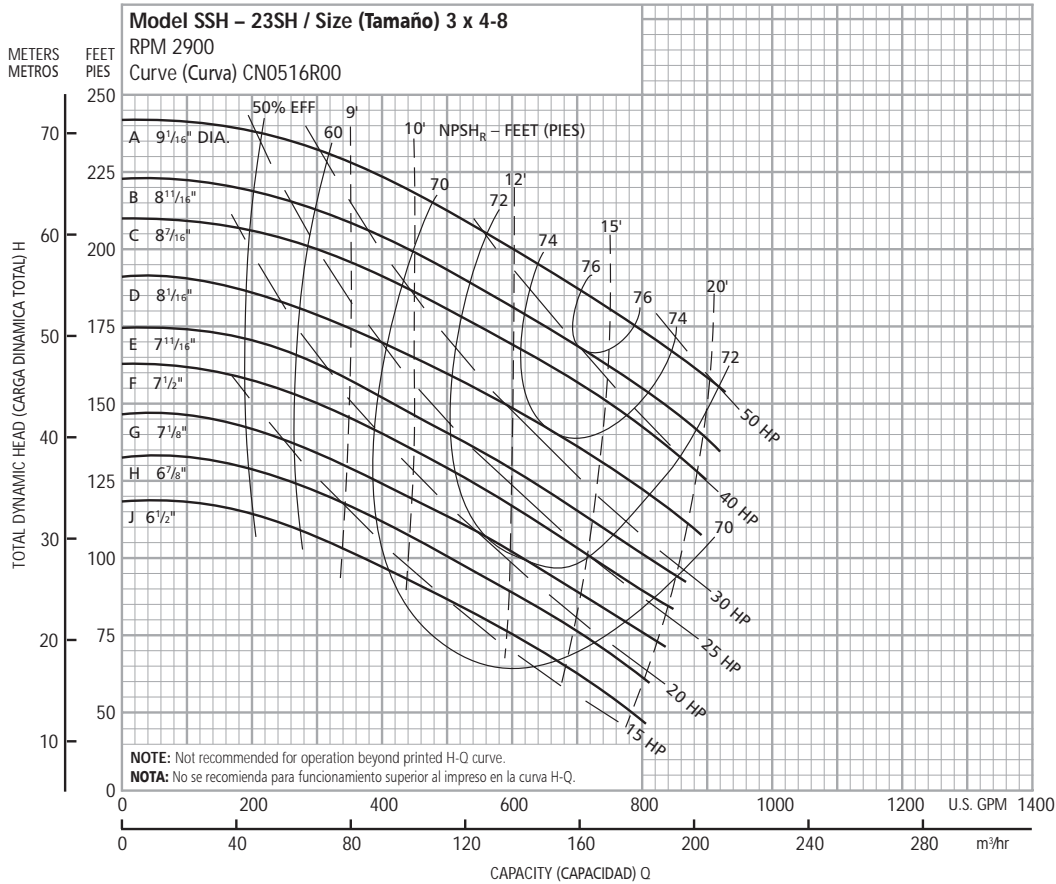
| Optional Impeller,<br>Impulsor Opcional |               |                                             |
|-----------------------------------------|---------------|---------------------------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá. | Standard HP Rating,<br>Estándar HP Potencia |
| A                                       | 10 7/8"       | 50                                          |
| B                                       | 9 15/16"      | 40                                          |
| C                                       | 9 9/16"       | 40                                          |
| D                                       | 9 1/4"        | 30                                          |
| E                                       | 8 3/4"        | 30                                          |

**NOTE:** Pump will pass a sphere to 1 9/32" diameter.

**NOTA:** La bomba pasará una esfera a 1 9/32" diámetro.



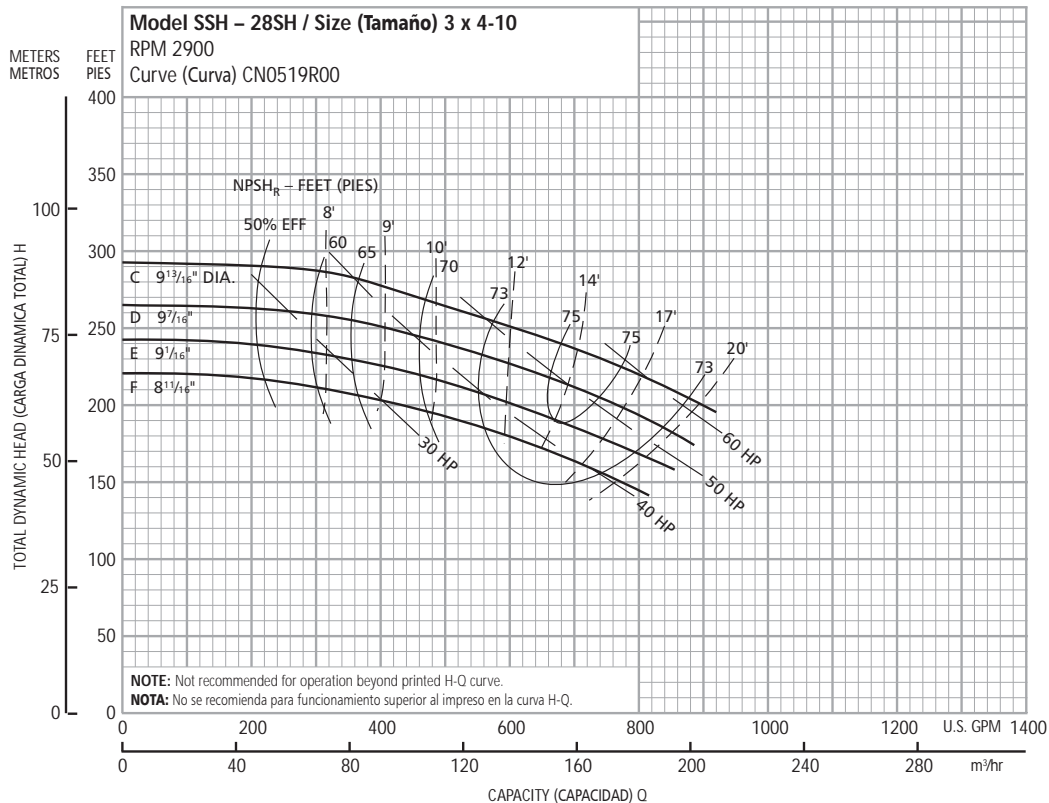
**Performance Curves – 50 Hz, 2900 RPM**  
**Curvas de Funcionamiento – 50 Hz, 2900 RPM**



| Optional Impeller,<br>Impulsor Opcional |                                  |                                             |
|-----------------------------------------|----------------------------------|---------------------------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá.                    | Standard HP Rating,<br>Estándar HP Potencia |
| A                                       | 9 <sup>1</sup> / <sub>16</sub> " | 50                                          |
| B                                       | 8 <sup>1</sup> / <sub>16</sub> " | 40                                          |
| C                                       | 8 <sup>7</sup> / <sub>16</sub> " | 40                                          |
| D                                       | 8 <sup>1</sup> / <sub>16</sub> " | 30                                          |
| E                                       | 7 <sup>1</sup> / <sub>16</sub> " | 30                                          |
| F                                       | 7 <sup>1</sup> / <sub>2</sub> "  | 25                                          |
| G                                       | 7 <sup>1</sup> / <sub>8</sub> "  | 20                                          |
| H                                       | 6 <sup>7</sup> / <sub>8</sub> "  | 20                                          |
| J                                       | 6 <sup>1</sup> / <sub>2</sub> "  | 15                                          |

**NOTE:** Pump will pass a sphere to 1/2" diameter.

**NOTA:** La bomba pasará una esfera a 1/2" diámetro.



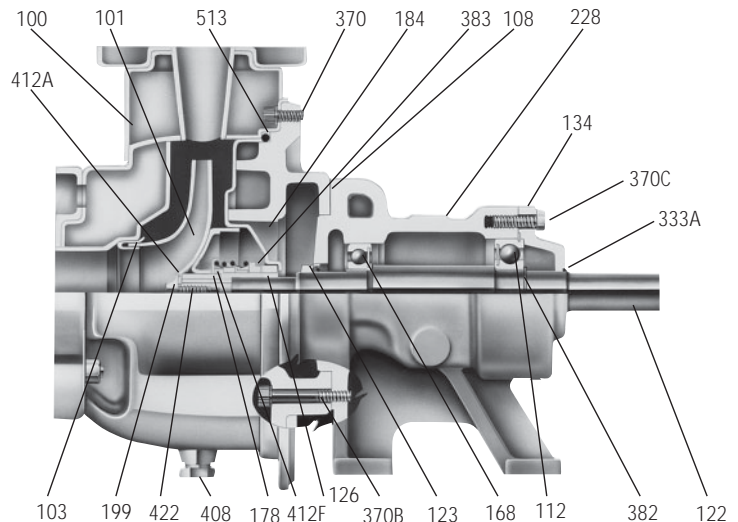
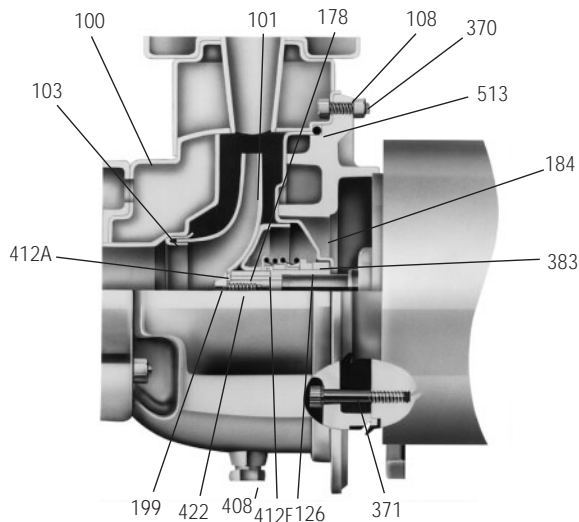
| Optional Impeller,<br>Impulsor Opcional |                                  |                                             |
|-----------------------------------------|----------------------------------|---------------------------------------------|
| Impeller Code,<br>Código del Impulsor   | Dia.,<br>Diá.                    | Standard HP Rating,<br>Estándar HP Potencia |
| C                                       | 9 <sup>3</sup> / <sub>16</sub> " | 60                                          |
| D                                       | 9 <sup>7</sup> / <sub>16</sub> " | 50                                          |
| E                                       | 9 <sup>1</sup> / <sub>16</sub> " | 50                                          |
| F                                       | 8 <sup>1</sup> / <sub>16</sub> " | 40                                          |

**NOTE:** Pump will pass a sphere to 3/4" diameter.

**NOTA:** La bomba pasará una esfera a 3/4" diámetro.

**SSH Close Coupled – Materials of Construction**  
**SSH Acople Cerrado – Materiales de Construcción**

**SSH Frame Mounted – Materials of Construction**  
**SSH Armazón Montado – Materiales de Construcción**



| Item No.,<br>Parte No. | Description,<br>Descripción                                                                                    | Materials,<br>Materiales                                       |
|------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| 100                    | Casing, <i>Carcasa</i>                                                                                         |                                                                |
| 101                    | Impeller, <i>Impulsor</i>                                                                                      | 316L SS, 316L acero inox.                                      |
| 103                    | Wear ring, <i>Anillo de desgaste</i>                                                                           |                                                                |
| 184                    | Seal housing, <i>Alojamiento del sello</i>                                                                     |                                                                |
| 126                    | Shaft sleeve, <i>Camisa del eje</i>                                                                            | 316 SS, 316 acero inox.                                        |
| 422                    | Impeller stud, <i>Perno del impulsor</i>                                                                       | Steel, <i>Acero</i>                                            |
| 178                    | Impeller key, <i>Llave del impulsor</i>                                                                        | Carbon steel,<br><i>Acero al carbono</i>                       |
| 199                    | Impeller washer, <i>Arandela del impulsor</i>                                                                  | 316 SS, 316 acero inox.                                        |
| 370                    | Casing bolt with nut (casing to adapter),<br><i>Tornillo de la carcasa con tuerca (carcasa para adaptador)</i> | 316L SS,<br>316L acero inoxidable                              |
| 108                    | Adapter, <i>Adaptador</i>                                                                                      | Cast iron ASTM A48 CL20,<br><i>Hierro fundido ASTM A48CL20</i> |
| 371                    | Hex head cap screw (adapter to motor),<br><i>Tornillo de cabeza hexagonal (adaptador para motor)</i>           | Steel SAE 1200 series,<br><i>Acero SAE series 1200</i>         |
| 412A                   | O-ring, Impeller, <i>Anillo en O, impulsor</i>                                                                 |                                                                |
| 412F                   | O-ring, shaft sleeve, <i>Anillo en O, camisa del eje</i>                                                       | Viton                                                          |
| 513                    | O-ring, <i>Anillo 'O'</i>                                                                                      |                                                                |
| 408                    | Drain plug – 3/8 NPT, <i>Válvula de drenaje – 3/8 NPT</i>                                                      | 316L SS,<br>316 acero inoxidable                               |
| 383                    | Mechanical seal, <i>Sello mecánico</i>                                                                         | See seal chart,<br><i>Ver tabla del sello</i>                  |

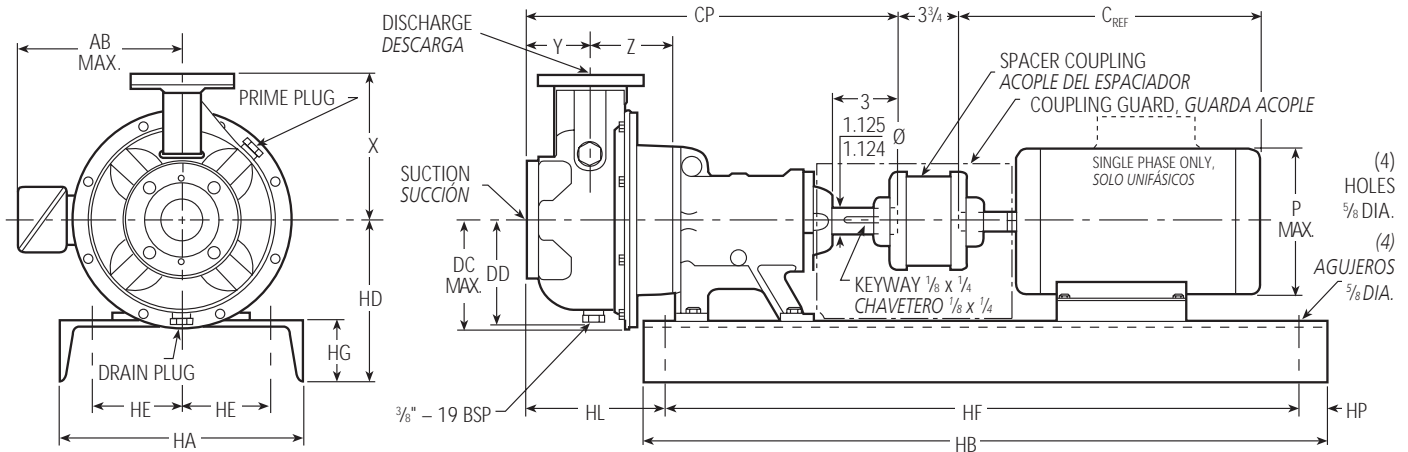
| Item No.,<br>Parte No. | Description,<br>Descripción                                                                                                 | Materials,<br>Materiales                                      |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| 100                    | Casing, <i>Carcasa</i>                                                                                                      |                                                               |
| 101                    | Impeller, <i>Impulsor</i>                                                                                                   | 316L SS, 316L acero inox.                                     |
| 103                    | Wear ring, <i>Anillo de desgaste</i>                                                                                        |                                                               |
| 184                    | Seal housing, <i>Alojamiento del sello</i>                                                                                  |                                                               |
| 126                    | Shaft sleeve, <i>Camisa del eje</i>                                                                                         | 316 SS, 316 acero inox.                                       |
| 178                    | Impeller key, <i>Llave del impulsor</i>                                                                                     | Carbon steel,<br><i>Acero al carbono</i>                      |
| 422                    | Impeller Stud, <i>Perno del impulsor</i>                                                                                    |                                                               |
| 199                    | Impeller washer, <i>Arandela del impulsor</i>                                                                               | 316 SS, 316 acero inox.                                       |
| 370                    | Casing bolt with nut, <i>Tornillo de la carcasa con tuerca</i>                                                              | 316L SS, 316L acero inox.                                     |
| 408                    | Drain plug – 3/8 NPT, <i>Válvula de drenaje – 3/8 NPT</i>                                                                   |                                                               |
| 513                    | O-ring, <i>Anillo 'O'</i>                                                                                                   | Viton                                                         |
| 383                    | Mechanical seal, <i>Sello mecánico</i>                                                                                      | See seal chart,<br><i>Ver tabla del sello</i>                 |
| 108                    | Adapter, <i>Adaptador</i>                                                                                                   | Cast iron ASTM A48CL20,<br><i>Hierro fundido ASTM A48CL20</i> |
| 228                    | Bearing frame, <i>Armazón de balineras</i>                                                                                  |                                                               |
| 134                    | Bearing cover, <i>Cubierta de balineras</i>                                                                                 |                                                               |
| 122                    | Pump shaft, <i>Eje de la bomba</i>                                                                                          | Carbon steel,<br><i>Acero al carbono</i>                      |
| 168                    | Ball bearing (inboard), <i>Balineras de bolas (interior)</i>                                                                |                                                               |
| 112                    | Ball bearing (outboard), <i>Balineras de bolas (exterior)</i>                                                               |                                                               |
| 382                    | Retaining ring, <i>Anillo de sujeción</i>                                                                                   |                                                               |
| 370B                   | Hex head cap screw (adapter to bearing frame),<br><i>Tornillo de cabeza hexagonal (adaptador para armazón de balineras)</i> | Steel, <i>Acero</i>                                           |
| 370C                   | Hex head cap screw (bearing frame to cover),<br><i>Tornillo de cabeza hexagonal (armazón de balineras para cubierta)</i>    |                                                               |
| 333A                   | Lip seal, <i>Sello cubierto</i>                                                                                             | BUNA-N                                                        |
| 193                    | *Grease fitting, <i>Accesorio de grasa</i>                                                                                  | Steel, <i>Acero</i>                                           |
| 123                    | V-ring deflector, <i>Deflector anillo 'V'</i>                                                                               | BUNA-N                                                        |

**Mechanical Seal, Sello Mecánico**

| John Crane Type 21 Mechanical Seal,<br>Sello Mecánico John Crane Tipo 21 |                                 |                                 |                     |                                               |                            |                                        |                                            |
|--------------------------------------------------------------------------|---------------------------------|---------------------------------|---------------------|-----------------------------------------------|----------------------------|----------------------------------------|--------------------------------------------|
| Item,<br>Parte                                                           | Part No.,<br>Pieza Número       |                                 | Rotary,<br>Rotativo | Stationary,<br>Estacionario                   | Elastomers,<br>Elastómeros | Metal<br>Parts,<br>Partes<br>Metálicas | Intended<br>Duty,<br>Servicio<br>Propuesto |
|                                                                          | 180-210<br>Frames,<br>Armazones | 250-360<br>Frames,<br>Armazones |                     |                                               |                            |                                        |                                            |
| 383<br>Options,<br>383<br>Opciones                                       | 10K19                           | 10K20                           | Carbon,<br>Carbone  | Silicon<br>Carbide,<br>Carburo de<br>silicona | EPR                        | 316 SS,<br>316<br>Acero<br>inoxidable  | Hot Water                                  |
|                                                                          | 10K27                           | 10K45                           |                     |                                               |                            |                                        | Mild<br>Abrasive                           |
|                                                                          | 10K64                           | 10K65                           | Sil-Carb.           |                                               | Viton                      |                                        | Severe<br>Duty                             |

\* M-Group only

Channel Steel Bedplate, Clockwise Rotation Viewed from Drive End;  
Fundación de Acero, Rotación en Dirección de las Aguas del Reloj Visto desde el Extremo del Motor



Dimensions and Weights – Determined by Pump,  
Dimensiones y Pesos – Determinados por la Bomba

|                                                                                                |  |                                                 |         |         |         |         |
|------------------------------------------------------------------------------------------------|--|-------------------------------------------------|---------|---------|---------|---------|
| Dimension "HL" Determined by Pump and Bedplate, Dimensión "HL" determinada la bomba y el motor |  | Motor Frame Size, Tamaño del bastidor del motor |         |         |         |         |
|                                                                                                |  | 143/145                                         | 183/184 | 213/215 | 254/256 | 284/286 |

| Pump, Bomba         | Suction*, Succión* | Discharge*, Descarga* | CP     | DC Max., DC Máx. | DD    | X     | Y     | Z     | Wt. (lbs.), Peso (lib.) |
|---------------------|--------------------|-----------------------|--------|------------------|-------|-------|-------|-------|-------------------------|
| 9ASH 1 X 2-6        | 2                  | 1                     | 16 3/8 | 5                | 4 3/4 | 6 3/8 | 3 3/8 | 3 3/8 | 56                      |
| 10ASH 1 X 2-8       |                    |                       |        | 5 5/8            | 5 5/8 | 7 1/8 |       |       | 64                      |
| 11ASH 1 X 2-10      |                    |                       |        | 6 7/8            | 6 7/8 | 8 3/8 |       |       | 86                      |
| 4SH 1 1/2 X 2 1/2-6 | 2 1/2              | 1 1/2                 | 16 1/2 | 5                | 4 3/4 | 6 3/8 | 3 3/4 | 3 3/8 | 57                      |
| 7SH 1 1/2 X 2 1/2-8 |                    |                       |        | 5 5/8            | 5 5/8 | 7 1/8 |       |       | 66                      |
| 5SH 2 X 2 1/2-6     |                    | 2                     | 17 1/4 | 5                | 4 3/4 | 7 1/8 | 4     | 3 3/8 | 57                      |
| 8SH 2 X 2 1/2-8     |                    |                       |        |                  | 68    |       |       |       |                         |
| 6SH 2 1/2 X 3-6     |                    |                       |        |                  | 6     |       |       |       | 5 3/4                   |

NOTES:

- All pumps shipped in vertical discharge position. May be rotated in 90° increments. Tighten 3/8 – 16 casing bolts to 12 ft./lbs. torque.
- Dimensions in inches.
- Motor dimensions may vary with motor manufacturer.
- Not to be used for construction purposes.

NOTAS:

- Todas las bombas transportadas en posición de descarga vertical. Pueden rotarse en aumentos de 90°. Apretar 3/8 – 16 tornillos de carcasa a 12 pies/libras potencia.
- Las dimensiones en pulgadas.
- Las dimensiones puede que varíen con los fabricantes.
- No para propósitos de construcción.

\* For use with ANSI Class 150 mating flanges.  
\* Para usar con bridas que casan ANSI clase 150.

Available Motor and Bedplate Dimensions and Weights,  
Pesos y Dimensiones Disponibles de la Fundación y del Motor

| Motor Frame, Armazón del Motor | HP @ 3500 RPM, HP a 3500 RPM |      |                         |       | HP @ 1750 RPM, HP a 1750 RPM |       |                         |         | AB Max., AB Máx. | C <sub>REF</sub> | P Max., P Máx. | Wt. Max., Peso Máx. | Bedplate Data, Datos de la Fundación |        |       |        |       |       |     |                           |            |                    |        |    |
|--------------------------------|------------------------------|------|-------------------------|-------|------------------------------|-------|-------------------------|---------|------------------|------------------|----------------|---------------------|--------------------------------------|--------|-------|--------|-------|-------|-----|---------------------------|------------|--------------------|--------|----|
|                                | Single Phase, Monofásicos    |      | Three Phase, Trifásicos |       | Single Phase, Monofásicos    |       | Three Phase, Trifásicos |         |                  |                  |                |                     | HA                                   | HB     | HD**  | HE     | HF    | HG    | HP* | Wt. (lbs.), Peso (libras) | Motor Shim | Bearing Frame Shim |        |    |
|                                | ODP                          | TEFC | ODP                     | TEFC  | ODP                          | TEFC  | ODP                     | TEFC    |                  |                  |                |                     |                                      |        |       |        |       |       |     |                           |            |                    |        |    |
| 143T                           |                              |      |                         |       | 1                            | 1     | 1                       | 1       | 5 1/4            | 13 3/8           | 6 5/8          | 45                  | 10                                   | 28     | 8     | 3 3/4  | 24    | 2 3/4 | 3/4 | 48                        | 1 3/4      | -                  |        |    |
| 145T                           | 2                            | 2    | 2-3                     | 2     | 1 1/2                        | 1 1/2 | 1 1/2-2                 | 1 1/2-2 |                  |                  |                |                     |                                      |        |       |        |       |       |     |                           |            |                    | 14 1/4 | 74 |
| 182T                           | 3                            | 3    | 5                       | 3     | 2                            | 2     | 3                       | 3       |                  |                  |                |                     |                                      |        |       |        |       |       |     |                           |            |                    | 16 5/8 | 74 |
| 184T                           | 5                            | 5    | 7 1/2                   | 5     | 3 or 5                       | 3     | 5                       | 3       | 5 5/8            | 18 3/8           | 95             |                     |                                      |        |       |        |       |       |     |                           |            |                    |        |    |
| 213T                           |                              |      | 10                      | 7 1/2 |                              |       |                         |         | 7 3/8            | 18               | 116            | 12                  | 31                                   | 8 1/4  | 4 1/4 | 29     | 3     | 1     | 65  | -                         | -          |                    |        |    |
| 215T                           |                              |      | 15                      | 10    |                              |       |                         |         |                  |                  |                |                     |                                      |        |       |        |       |       |     |                           |            | 19 1/8             | 136    |    |
| 254T                           |                              |      | 20                      | 15    |                              |       |                         |         | 10 5/8           | 21 5/8           | 266            | 13                  | 42                                   | 10 1/4 | 5 1/4 | 38 1/2 | 4     | 110   | -   | 1                         |            |                    |        |    |
| 256T                           |                              |      | 25                      | 20    |                              |       |                         |         |                  |                  |                |                     |                                      |        |       |        |       |       |     |                           | 23 3/8     | 264                |        |    |
| 284TS                          |                              |      | 30                      | 25    |                              |       |                         |         | 12 5/8           | 24 7/8           | 392            | 15                  | 44                                   | 10 1/2 | 5 3/4 | 40 1/2 | 3 1/2 | 124   | -   | 1 3/4                     |            |                    |        |    |
| 286TS                          |                              |      | 40                      | 30    |                              |       |                         |         |                  |                  |                |                     |                                      |        |       |        |       |       |     |                           | 26 3/8     | 432                |        |    |

Dimensions and weights vary with manufacturers. Dimensions in inches and weights in lbs.

\* "HP" Dimensions at motor end only.

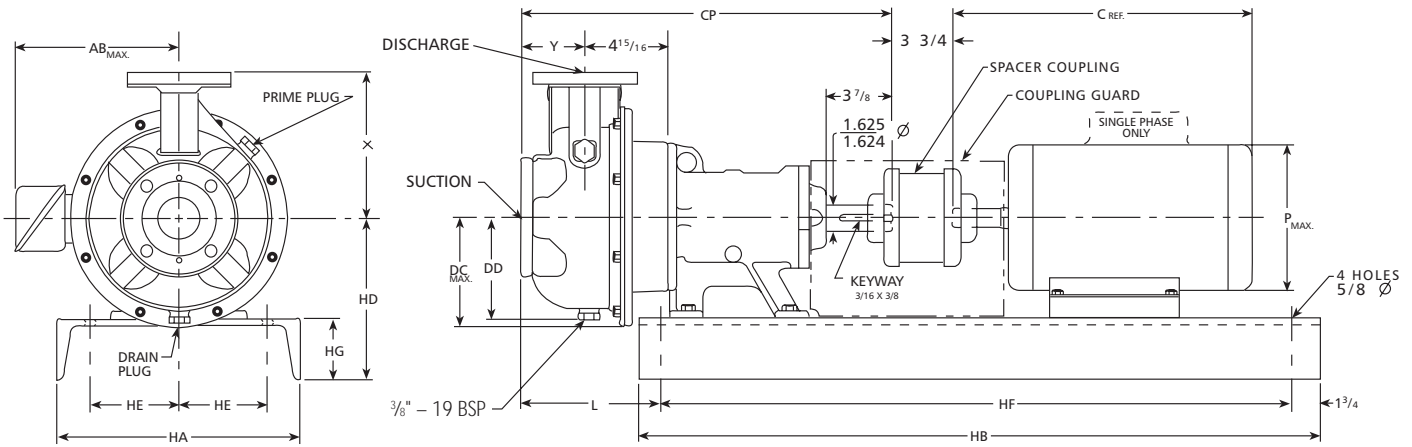
\*\* "HD" Dimension for 254T/256T motor frame on 1 x 2-10 only is 11"; A 3/4" motor shim and a 1 3/4" bearing frame shim are required.

Dimensiones y pesos varían con los fabricantes. Dimensiones en pulgadas y pesos en libras.

\* Dimensiones "HP" sólo en el extremo del motor.

\*\* La dimensión "HD" para el bastidor del motor 254T/256T de 1 x 2 - 10 es sólo 11"; se requieren una cuña del motor de 3/4" y una cuña del bastidor de apoyo de 1 3/4".

Channel Steel Bedplate, Clockwise Rotation Viewed from Drive End;  
Fundación de Acero, Rotación en Dirección de las Aguas del Reloj Visto desde el Extremo del Motor



Dimensions and Weights – Determined by Pump,  
Dimensiones y Pesos – Determinados por la Bomba

| Pump | Pump Size, Tamaño de la Bomba | Suction*, Succión* | Discharge*, Descarga* | CP | DC Max., DC Máx. | DD    | L       | X       | Y   | Wt. (lbs.), Peso (libras) |
|------|-------------------------------|--------------------|-----------------------|----|------------------|-------|---------|---------|-----|---------------------------|
| 24SH | 1 1/2 x 2 1/2-10              | 2 1/2              | 1 1/2                 | 23 | 6 7/8            | 6 5/8 | 10 1/8  | 8 15/16 | 4   | 125                       |
| 25SH | 2 x 2 1/2-10                  |                    | 2                     |    | 6 7/8            | 5 7/8 |         |         |     | 125                       |
| 22SH | 2 1/2 x 3-8                   | 3                  | 2 1/2                 |    | 6 7/8            | 5 7/8 | 125     |         |     |                           |
| 27SH | 2 1/2 x 3-10                  |                    |                       |    | 6 7/8            | 6 5/8 | 9 15/16 | 134     |     |                           |
| 23SH | 3 x 4-8                       | 4                  | 3                     | 24 | 7 5/8            | 7 5/8 | 11 1/8  | 11 1/8  | 5   | 136                       |
| 28SH | 3 x 4-10                      |                    |                       |    | 7 5/8            | 7 5/8 | 11 1/8  | 11 1/8  | 148 |                           |

\* For use with ANSI class 150 mating flanges.  
\* Para usar con bridas que casan ANSI clase 150.

NOTE:

- Pumps will be shipped with top vertical discharge as standard. For other orientations, remove casing bolts, rotate discharge to desired position and tighten 3/8 – 16 bolts to 12 lbs./ft.
- ALL dimensions in inches.
- Not for construction purposes.

NOTA:

- Las bombas se transportarán con la descarga vertical superior como estándar. Para otras orientaciones, retirar los tornillos de la carcasa, rotar la descarga a la posición deseada, y apretar 3/8 – 16 tornillos a 12 pies/libras.
- TODAS las dimensiones en pulgadas.
- No para propósitos de construcción.

Available Motor and Bedplate Dimensions and Weights,  
Pesos y Dimensiones Disponibles de la Fundación y del Motor

| Motor Frame, Armazón del Motor | HP @ 3500 RPM           |      | HP @ 1750 RPM – T-Frame Only |      |                         |       | AB Max., AB Máx. | C Ref. | P Max., P Máx. | Wt. Max., Peso Máx. | Bedplate Data, Datos de la Fundación |    |        |       |        |       |                           |
|--------------------------------|-------------------------|------|------------------------------|------|-------------------------|-------|------------------|--------|----------------|---------------------|--------------------------------------|----|--------|-------|--------|-------|---------------------------|
|                                | Three Phase, Trifásicos |      | Single Phase, Monofásicos    |      | Three Phase, Trifásicos |       |                  |        |                |                     | HA                                   | HB | HD     | HE    | HF     | HG    | Wt. (lbs.), Peso (libras) |
|                                | ODP                     | TEFC | ODP                          | TEFC | ODP                     | TEFC  |                  |        |                |                     |                                      |    |        |       |        |       |                           |
| 184T                           |                         |      | 3 or 5                       | 3    | 5                       | 5     | 5 7/8            | 18 1/8 | 7 7/8          | 95                  |                                      |    |        |       |        |       |                           |
| 213T                           |                         |      |                              |      | 7 1/2                   | 7 1/2 |                  | 18     |                | 116                 |                                      |    |        |       |        |       |                           |
| 215T                           | 15                      |      |                              |      | 10                      | 10    | 7 3/8            | 19 1/8 | 9 5/8          | 136                 | 13                                   | 42 | 10 1/4 | 5 1/4 | 38 1/2 | 4     |                           |
| 254T                           | 20                      | 15   |                              |      | 15                      | 15    | 9 1/2            | 21 3/8 | 13             | 266                 |                                      |    |        |       |        |       |                           |
| 256T                           | 25                      | 20   |                              |      | 20                      | 20    |                  | 23 3/8 |                | 264                 |                                      |    |        |       |        |       |                           |
| 284TS/T                        | 30                      | 25   |                              |      | 25                      | 25    |                  | 24 7/8 |                | 392                 | 15                                   | 44 | 10 1/2 | 5 3/4 | 40 1/2 | 3 1/2 |                           |
| 286TS/T                        | 40                      | 30   |                              |      |                         |       | 12 5/8           | 26 5/8 | 15             | 422                 |                                      |    |        |       |        |       |                           |
| 324TS/T                        | 50                      | 40   |                              |      |                         |       |                  | 28 3/4 |                | 592                 | 18                                   | 48 | 12     | 7 1/4 | 44 1/2 | 4     |                           |
| 326TS/T                        | 60                      | 50   |                              |      |                         |       | 14 1/8           | 30 1/4 | 17 3/8         | 634                 |                                      |    |        |       |        |       |                           |
| 364TS/T                        | 75                      | 60   |                              |      |                         |       | 15 1/8           | 31 3/8 | 18 1/8         | 834                 |                                      |    |        |       |        |       |                           |
| 365TS/T                        | 100                     | 75   |                              |      |                         |       | 15 1/8           | 32 3/8 | 18 1/8         | 1000                |                                      |    |        |       |        |       |                           |
| 405TS/T                        |                         | 100  |                              |      |                         |       | 18               | 36 1/8 | 20 5/8         | 1060                | 22                                   | 56 | 14     | 7 1/4 | 52 1/2 | 4     | 214                       |

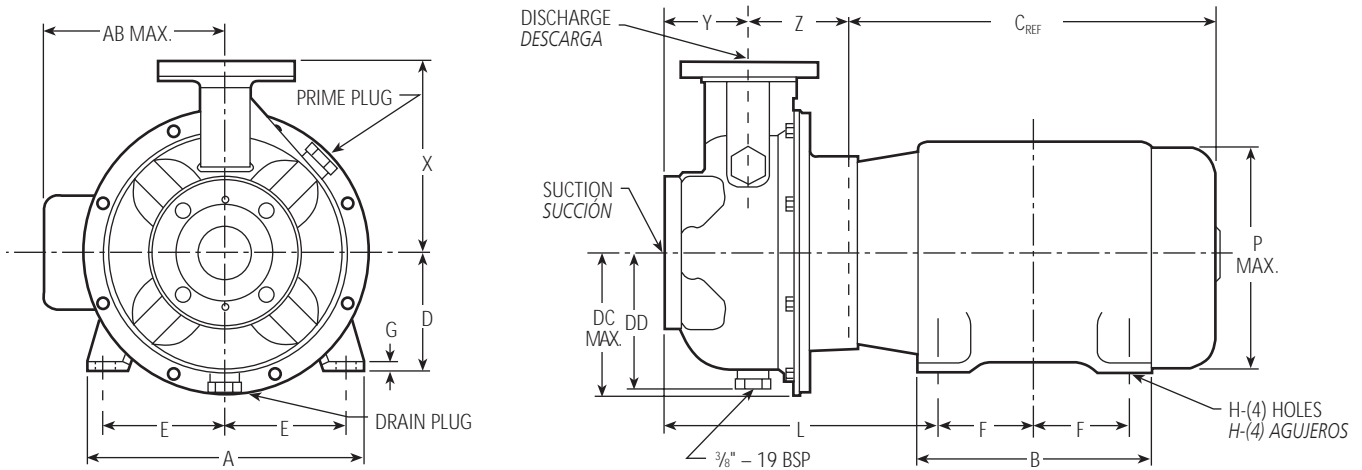
Dimensions and weights vary with manufacturers. Dimensions in inches and weights in lbs.  
Dimensiones y pesos varían con los fabricantes. Dimensiones en pulgadas y pesos en libras.

# SSH Close Coupled – Dimensions and Weights

## SSH Acople Cerrado – Dimensiones y Pesos

S-Group  
Grupo-S

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)  
(Todas las dimensiones en pulgadas y pesos en libras. No usar para propósitos de construcción.)



| Pump,<br>Bomba | 150 lb. Flange,<br>Brida de 150 lib.                              |                               | DC<br>Max.,<br>DC<br>Máx.     | DD                            | X                             | Y                             | Z                             | DIM. "L" (Motor Frame Size)<br>DIM. "L" (Tamaño del Armazón del Motor) |                                |                                |                                | Wt.<br>(lbs.),<br>Pesos<br>(libras) |    |
|----------------|-------------------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|----|
|                | Suct.*,<br>Succ.*                                                 | Disch.*,<br>Desc.*            |                               |                               |                               |                               |                               | 143/145                                                                | 182/184                        | 213/215                        | 254/256                        |                                     |    |
|                |                                                                   |                               |                               |                               |                               |                               |                               |                                                                        |                                |                                |                                |                                     |    |
| 9ASH           | 1 x 2 - 6                                                         | 2                             | 1                             | 5                             | 4 <sup>3</sup> / <sub>8</sub> | 6 <sup>3</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>                                          | 9 <sup>3</sup> / <sub>8</sub>  | 10 <sup>1</sup> / <sub>2</sub> | 11 <sup>1</sup> / <sub>2</sub> | —                                   | 24 |
| 10ASH          | 1 x 2 - 8                                                         |                               |                               | 5 <sup>5</sup> / <sub>8</sub> | 5 <sup>3</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>8</sub> |                               |                                                                        | 9 <sup>3</sup> / <sub>8</sub>  | 10 <sup>1</sup> / <sub>2</sub> | 11 <sup>1</sup> / <sub>2</sub> | —                                   | 32 |
| 11ASH          | 1 x 2 - 10                                                        | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>2</sub> | 6 <sup>5</sup> / <sub>8</sub> | 6 <sup>5</sup> / <sub>8</sub> | 8 <sup>3</sup> / <sub>8</sub> | 4                             | 3 <sup>5</sup> / <sub>8</sub>                                          | 10 <sup>3</sup> / <sub>4</sub> | 11 <sup>3</sup> / <sub>8</sub> | 12 <sup>3</sup> / <sub>8</sub> | 12 <sup>3</sup> / <sub>8</sub>      | 54 |
| 4SH            | 1 <sup>1</sup> / <sub>2</sub> x 2 <sup>1</sup> / <sub>2</sub> - 6 |                               |                               | 5                             | 4 <sup>3</sup> / <sub>4</sub> | 6 <sup>3</sup> / <sub>8</sub> |                               |                                                                        | 9 <sup>3</sup> / <sub>4</sub>  | 10 <sup>3</sup> / <sub>8</sub> | 11 <sup>3</sup> / <sub>8</sub> | —                                   | 25 |
| 7SH            | 1 <sup>1</sup> / <sub>2</sub> x 2 <sup>1</sup> / <sub>2</sub> - 8 |                               |                               | 5 <sup>5</sup> / <sub>8</sub> | 5 <sup>3</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>8</sub> |                               |                                                                        | 10 <sup>1</sup> / <sub>2</sub> | 11 <sup>1</sup> / <sub>8</sub> | 12 <sup>1</sup> / <sub>8</sub> | 12 <sup>3</sup> / <sub>8</sub>      | 34 |
| 5SH            | 2 x 2 <sup>1</sup> / <sub>2</sub> - 6                             |                               |                               | 5                             | 4 <sup>3</sup> / <sub>4</sub> | 7 <sup>1</sup> / <sub>8</sub> |                               |                                                                        |                                |                                |                                |                                     | 25 |
| 8SH            | 2 x 2 <sup>1</sup> / <sub>2</sub> - 8                             | 2                             | 6                             | 5 <sup>3</sup> / <sub>4</sub> | 7 <sup>1</sup> / <sub>8</sub> | 4                             | 3 <sup>5</sup> / <sub>8</sub> | 10 <sup>1</sup> / <sub>2</sub>                                         | 11 <sup>1</sup> / <sub>8</sub> | 12 <sup>1</sup> / <sub>8</sub> | 12 <sup>3</sup> / <sub>8</sub> | 36                                  |    |
| 6SH            | 2 <sup>1</sup> / <sub>2</sub> x 3 - 6                             |                               |                               | 4 <sup>3</sup> / <sub>4</sub> | 7 <sup>1</sup> / <sub>8</sub> |                               |                               |                                                                        |                                |                                |                                | 27                                  |    |

\* For use with ANSI class 150 mating flanges.  
\* Para usar con bridas que casan ANSI clase 150.

### NOTE:

- Pumps shipped in vertical discharge as standard. For other orientations, remove casing bolts, rotate discharge to desired position, and tighten <sup>3</sup>/<sub>8</sub> - 16 bolts to 12 ft./lbs., <sup>7</sup>/<sub>16</sub> - 14 bolts to 20 ft./lbs.
- ALL dimensions in inches.
- Motor dimensions may vary with motor manufacturer.
- Not for construction purposes.

### NOTA:

- Las bombas se transportarán en descarga vertical como estándar. Para otras orientaciones, retirar los tornillos de la carcasa, rotar la descarga a la posición deseada, y apretar <sup>3</sup>/<sub>8</sub> - 16 tornillos a 12 pies/libras, <sup>7</sup>/<sub>16</sub> - 14 tornillos a 20 pies/libras.
- TODAS las dimensiones en pulgadas.
- Las dimensiones puede que varien con los fabricantes.
- No para propósitos de construcción.

### Dimensions Determined by JM Motor Frame, Dimensiones Determinadas por el Armazón del Motor JM

| JM Frame,<br>JM<br>Armazón | A                              | AB                            | B                              | D                             | E                             | F                             | G                              | C <sub>REF</sub>               | H<br>Dia.,<br>H<br>Diám.       | P<br>Max.,<br>P<br>Máx.        | Motor Wt.<br>(lbs.)<br>Peso Motor<br>(lib.) |
|----------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------------------|
| 143JM                      | 6 <sup>1</sup> / <sub>2</sub>  | 5 <sup>1</sup> / <sub>4</sub> | 6                              | 3 <sup>1</sup> / <sub>2</sub> | 2 <sup>3</sup> / <sub>4</sub> | 2                             | 1 <sup>1</sup> / <sub>8</sub>  | 11 <sup>1</sup> / <sub>4</sub> | 1 <sup>1</sup> / <sub>32</sub> | 6 <sup>3</sup> / <sub>8</sub>  | 41                                          |
| 145JM                      |                                |                               |                                |                               |                               | 2 <sup>1</sup> / <sub>2</sub> |                                |                                |                                |                                | 57                                          |
| 182JM                      | 8 <sup>1</sup> / <sub>2</sub>  | 6 <sup>7</sup> / <sub>8</sub> | 6 <sup>1</sup> / <sub>2</sub>  | 4 <sup>1</sup> / <sub>2</sub> | 3 <sup>3</sup> / <sub>4</sub> | 2 <sup>1</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>16</sub> | 13 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>32</sub> | 7 <sup>7</sup> / <sub>8</sub>  | 77                                          |
| 184JM                      |                                |                               |                                |                               |                               | 2 <sup>3</sup> / <sub>4</sub> |                                |                                |                                |                                | 97                                          |
| 213JM                      | 9 <sup>1</sup> / <sub>2</sub>  | 7 <sup>3</sup> / <sub>8</sub> | 8                              | 5 <sup>1</sup> / <sub>4</sub> | 4 <sup>1</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>2</sub> | 7 <sup>1</sup> / <sub>32</sub> | 15 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>32</sub> | 9 <sup>3</sup> / <sub>8</sub>  | 122                                         |
| 215JM                      |                                |                               |                                |                               |                               | 5                             |                                |                                |                                |                                | 155                                         |
| 254TCZ                     | 11 <sup>1</sup> / <sub>4</sub> | 9                             | 9 <sup>1</sup> / <sub>2</sub>  | 6 <sup>1</sup> / <sub>4</sub> | 5                             | 4 <sup>1</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>4</sub>  | 18 <sup>5</sup> / <sub>8</sub> | 1 <sup>7</sup> / <sub>32</sub> | 11 <sup>1</sup> / <sub>2</sub> | 265                                         |
| 256TCZ                     |                                |                               | 11 <sup>3</sup> / <sub>4</sub> |                               |                               | 5                             |                                |                                |                                |                                | 320                                         |

### Motor Frame Selections, Selecciones del Armazón del Motor

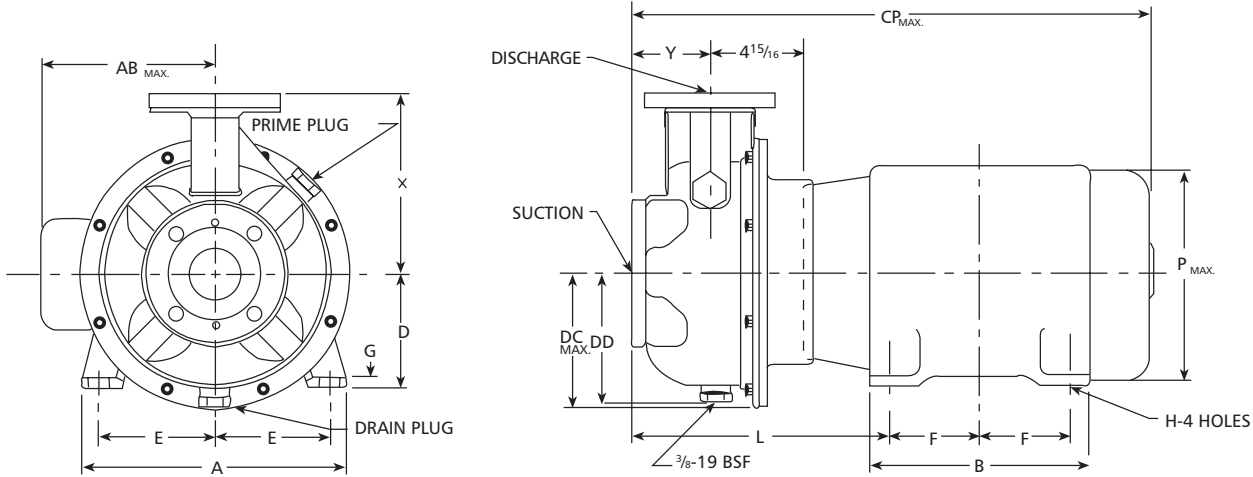
| Motor<br>Frame,<br>Armazón<br>del Motor | Motor Horsepower, Potencia del Motor |      |                               |                               |                                 |                                 |                                  |                                  |
|-----------------------------------------|--------------------------------------|------|-------------------------------|-------------------------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|
|                                         | 3500 RPM, 3500 RPM                   |      |                               |                               | 1750 RPM, 1750 RPM              |                                 |                                  |                                  |
|                                         | 1Ø, Monofásicos                      |      | 3Ø, Trifásicos                |                               | 1Ø, Monofásicos                 |                                 | 3Ø, Trifásicos                   |                                  |
|                                         | ODP                                  | TEFC | ODP                           | TEFC                          | ODP                             | TEFC                            | ODP                              | TEFC                             |
| 143JM                                   | —                                    | —    | —                             | —                             | —                               | —                               | 1                                | 1                                |
| 145JM                                   | 2                                    | 2    | 2-3                           | 2                             | 1-1 <sup>1</sup> / <sub>2</sub> | 1-1 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>2</sub> -2 | 1 <sup>1</sup> / <sub>2</sub> -2 |
| 182JM                                   | 3                                    | 3    | 5                             | 3                             | 2                               | 2-3                             | 3                                | 3                                |
| 184JM                                   | 5                                    | 5    | 7 <sup>1</sup> / <sub>2</sub> | 5                             | 3                               | —                               | 5                                | 5                                |
| 213JM                                   | 7 <sup>1</sup> / <sub>2</sub>        | —    | 10                            | 7 <sup>1</sup> / <sub>2</sub> | 5                               | —                               | 7 <sup>1</sup> / <sub>2</sub>    | 7 <sup>1</sup> / <sub>2</sub>    |
| 215JM                                   | 10                                   | —    | 15                            | 10-15                         | —                               | —                               | —                                | —                                |
| 254TCZ                                  | —                                    | —    | 20                            | —                             | —                               | —                               | —                                | —                                |
| 256TCZ                                  | —                                    | —    | 25                            | 20                            | —                               | —                               | —                                | —                                |

**SSH Close Coupled – Dimensions and Weights**  
**SSH Acople Cerrado – Dimensiones y Pesos**

**M-Group**  
**Grupo-M**

(All dimensions in inches and weights in lbs. Do not use for construction purposes.)

(Todas las dimensiones en pulgadas y pesos en libras. No usar para propósitos de construcción.)



**Dimensions "L" Determined by Pump and Motor, Dimensiones "L" Determinadas por la Bomba y el Motor**

| Pump | Pump Size, Tamaño de la Bomba | Suction*, Succión* | Discharge*, Descarga* | CP Max., CP Máx. | DC Max., DC Máx. | DD    | X       | Y | Wt. (lbs.), Peso (libras) | Motor Frame Size, Tamaño del Armazón del Motor |        |        |        |        |     |     |
|------|-------------------------------|--------------------|-----------------------|------------------|------------------|-------|---------|---|---------------------------|------------------------------------------------|--------|--------|--------|--------|-----|-----|
|      |                               |                    |                       |                  |                  |       |         |   |                           | 140                                            | 180    | 210    | 250    | 280    | 320 | 360 |
| 24SH | 1 1/2 x 2 1/2-10              | 2 1/2              | 1 1/2                 | 34 1/2           | 6 7/8            | 6 5/8 | 8 15/16 | 4 | 75                        | 10 1/2                                         | 11 1/8 | 12 1/8 | 13 7/8 | 14 3/8 | 15  | -   |
| 25SH | 2 x 2 1/2-10                  |                    | 2                     |                  | 6 1/8            | 5 7/8 |         |   | 75                        | -                                              |        |        |        |        |     |     |
| 22SH | 2 1/2 x 3-8                   | 3                  | 2 1/2                 | 36               | 6 1/8            | 5 7/8 | 9 15/16 | 5 | 72                        | -                                              | -      | 13 3/8 | 14 7/8 | 15 3/8 | 16  | -   |
| 27SH | 2 1/2 x 3-10                  |                    |                       |                  | 6 7/8            | 6 5/8 |         |   | 84                        | -                                              | -      |        |        |        |     |     |
| 23SH | 3 x 4-8                       | 4                  | 3                     | 37               | 7 5/8            | 7 7/8 | 11 1/8  | 5 | 86                        | 11 1/2                                         | 12 1/8 | 13 3/8 | 14 7/8 | 15 3/8 | 16  | -   |
| 28SH | 3 x 4-10                      |                    |                       |                  | 7 5/8            | 7 7/8 |         |   | 98                        | -                                              | -      |        |        |        |     |     |

\* For use with ANSI class 150 mating flanges.  
 \* Para usar con bridas que casan ANSI clase 150.

**NOTES:**

1. Pumps shipped in vertical discharge as standard. For other orientations, remove casing bolts, rotate discharge to desired position, and tighten 3/8 – 16 bolts to 12 ft./lbs., 7/16 – 14 bolts to 20 ft./lbs., 1/2 – 13 bolts to 35 ft./lbs.
2. Motor dimensions may vary with motor manufacturer.
3. Not for construction purposes.

**NOTAS:**

1. Las bombas se transportarán en descarga vertical como estándar. Para otras orientaciones, retirar los tornillos de la carcasa, rotar la descarga a la posición deseada, y apretar 3/8 – 16 tornillos a 12 pies/libras, 7/16 – 14 tornillos a 20 pies/libras, 1/2 – 13 tornillos a 35 pies/libras.
2. TODAS las dimensiones en pulgadas.
3. No para propósitos de construcción.

**Dimensions Determined by JM Motor Frame, Dimensiones Determinadas por el Armazón del Motor JM**

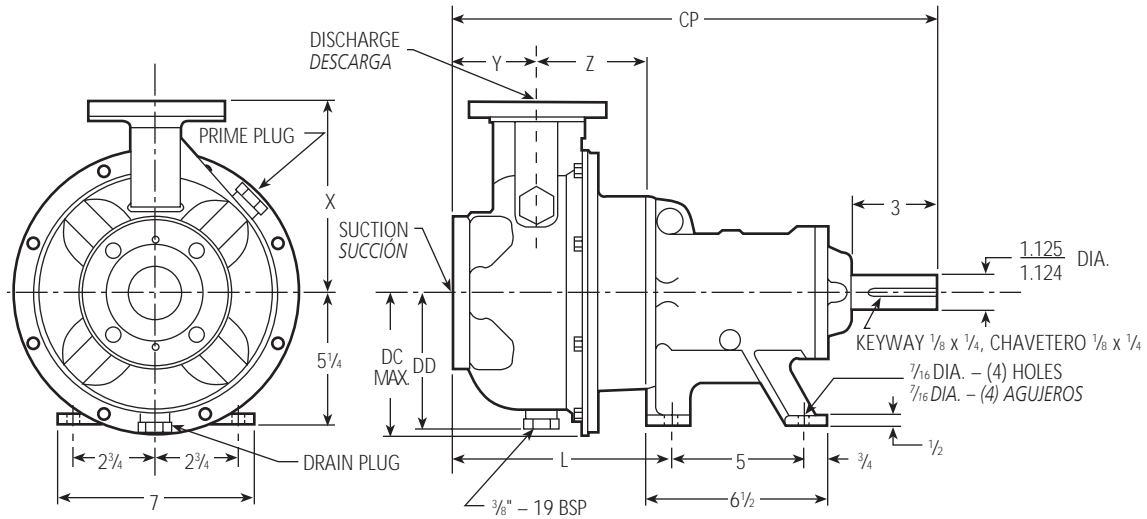
| Frame, Armazón | A      | AB Max. | B      | D     | E     | F     | G    | H      | P Max., P Máx. |
|----------------|--------|---------|--------|-------|-------|-------|------|--------|----------------|
| 145JM          | 6 1/2  | 5 1/4   | 6      | 3 1/2 | 2 3/4 | 2 1/2 | 1/8  | 1 1/32 | 7 3/16         |
| 182JM          | 8 1/2  | 5 7/8   | 6 1/2  | 4 1/2 | 3 3/4 | 2 1/4 | 3/16 | 1 3/32 | 8 1/2          |
| 184JM          |        |         |        |       |       | 2 3/4 |      |        |                |
| 213JM          | 9 1/2  | 7 3/8   | 8      | 5 1/4 | 4 1/4 | 3 1/2 | 7/32 | 1 1/32 | 10 9/16        |
| 215JM          |        |         |        |       |       | 3 1/2 |      |        |                |
| 254JM          | 11 1/4 | 9       | 11 3/4 | 6 1/4 | 5     | 4 1/8 | 1/4  | 1 7/32 | 13 1/4         |
| 256JM          |        |         |        |       |       | 5     |      |        |                |
| 284JM          | 12 1/4 | 12 1/4  | 12 1/4 | 7     | 5 1/2 | 4 3/4 | 1/4  | 1 7/32 | 15             |
| 286JM          |        |         |        |       |       | 5 1/2 |      |        |                |
| 324JM          | 14     | 13 1/4  | 14     | 8     | 6 1/4 | 5 1/4 | 5/16 | 2 1/32 | 16 15/16       |
| 326JM          |        |         |        |       |       | 6     |      |        |                |
| 364TCZ         | 17 3/4 | 15 1/8  | 15 1/2 | 9     | 7     | 5 5/8 | 1    | 2 1/32 | 19             |
| 365TCZ         |        |         |        |       |       | 6 1/8 |      |        |                |

364TCZ and 365TCZ frames are built with 326JM shaft extensions. Dimensions may vary with manufacturer.  
 Los armazones 364TCZ y 365TCZ se construyen con extensiones del eje 326JM. Las dimensiones puede que varíen con los fabricantes.

**Motor Frame Selections, Selecciones del Armazón del Motor**

| Frame, Armazón | Motor Horsepower, Potencia del Motor |         |                   |      |                  |       | Wt. Max., Peso Máx. |
|----------------|--------------------------------------|---------|-------------------|------|------------------|-------|---------------------|
|                | 3500 RPM                             |         | 1750 RPM          |      |                  |       |                     |
|                | 3 PH, Trifásicos                     |         | 1 PH, Monofásicos |      | 3 PH, Trifásicos |       |                     |
|                | ODP                                  | TEFC    | ODP               | TEFC | ODP              | TEFC  |                     |
| 145JM          | -                                    | -       | -                 | -    | 2                | 2     | 57                  |
| 182JM          | -                                    | -       | 2                 | 2, 3 | 3                | 3     | 77                  |
| 184JM          | -                                    | -       | 3                 | -    | 5                | 5     | 97                  |
| 213JM          | 10                                   | -       | 5                 | -    | 7 1/2            | 7 1/2 | 141                 |
| 215JM          | 15                                   | 10      | -                 | -    | 10               | 10    | 155                 |
| 254JM          | 20                                   | 15      | -                 | -    | 15               | 15    | 265                 |
| 256JM          | 25                                   | 20      | -                 | -    | 20               | 20    | 320                 |
| 284JM          | 30                                   | 25      | -                 | -    | 25               | 25    | 419                 |
| 286JM          | 40                                   | 30      | -                 | -    | -                | -     | 422                 |
| 324JM          | 50                                   | 40      | -                 | -    | -                | -     | 562                 |
| 326JM          | 60                                   | 50      | -                 | -    | -                | -     | 625                 |
| 364TCZ         | 75                                   | 60      | -                 | -    | -                | -     | 775                 |
| 365TCZ         | 100                                  | 75, 100 | -                 | -    | -                | -     | 905                 |

364TCZ and 365TCZ frames are built with 326JM shaft extensions. Los armazones 364TCZ y 365TCZ se construyen con extensiones del eje 326JM.



Dimensions and Weights – Bare Pump Only,  
 Dimensiones y Pesos – Solamente Bomba

| Pump,<br>Bomba                                                        | 150 lb. Flange,<br>Brida de 150 lib. |                               | DC<br>Max.,<br>DC<br>Máx.     | DD                            | CP<br>Max.,<br>CP<br>Máx.      | L                             | X                               | Y                             | Z                             | Wt.<br>(lbs.),<br>Peso<br>(libras) |
|-----------------------------------------------------------------------|--------------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------------|-------------------------------|---------------------------------|-------------------------------|-------------------------------|------------------------------------|
|                                                                       | Suction*,<br>Succión*                | Discharge*,<br>Descarga*      |                               |                               |                                |                               |                                 |                               |                               |                                    |
| 9ASH 1 x 2 – 6                                                        | 2                                    | 1                             | 5                             | 4 <sup>3</sup> / <sub>4</sub> | 16 <sup>3</sup> / <sub>8</sub> | 7 <sup>7</sup> / <sub>8</sub> | 6 <sup>3</sup> / <sub>8</sub>   | 3 <sup>1</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub> | 56                                 |
| 10ASH 1 x 2 – 8                                                       |                                      |                               | 5 <sup>5</sup> / <sub>8</sub> | 5 <sup>5</sup> / <sub>8</sub> | 17 <sup>1</sup> / <sub>4</sub> | 8 <sup>3</sup> / <sub>4</sub> | 7 <sup>7</sup> / <sub>8</sub>   | 4                             |                               | 64                                 |
| 11ASH 1 x 2 – 10                                                      |                                      |                               | 6 <sup>7</sup> / <sub>8</sub> | 6 <sup>5</sup> / <sub>8</sub> | 17 <sup>1</sup> / <sub>4</sub> | 8 <sup>3</sup> / <sub>4</sub> | 8 <sup>7</sup> / <sub>8</sub>   |                               |                               | 86                                 |
| 4SH 1 <sup>1</sup> / <sub>2</sub> x 2 <sup>1</sup> / <sub>2</sub> – 6 | 2 <sup>1</sup> / <sub>2</sub>        | 1 <sup>1</sup> / <sub>2</sub> | 5                             | 4 <sup>3</sup> / <sub>4</sub> | 16 <sup>1</sup> / <sub>2</sub> | 7 <sup>3</sup> / <sub>4</sub> | 6 <sup>3</sup> / <sub>8</sub>   | 3 <sup>1</sup> / <sub>4</sub> | 3 <sup>5</sup> / <sub>8</sub> | 57                                 |
| 7SH 1 <sup>1</sup> / <sub>2</sub> x 2 <sup>1</sup> / <sub>2</sub> – 8 |                                      |                               | 5 <sup>5</sup> / <sub>8</sub> | 5 <sup>5</sup> / <sub>8</sub> | 17 <sup>1</sup> / <sub>4</sub> | 8 <sup>1</sup> / <sub>2</sub> | 7 <sup>7</sup> / <sub>8</sub>   | 4                             |                               | 65                                 |
| 5SH 2 x 2 <sup>1</sup> / <sub>2</sub> – 6                             |                                      |                               | 5                             | 4 <sup>3</sup> / <sub>4</sub> |                                |                               | 7 <sup>1</sup> / <sub>8</sub>   |                               |                               | 4                                  |
| 8SH 2 x 2 <sup>1</sup> / <sub>2</sub> – 8                             |                                      |                               | 5 <sup>5</sup> / <sub>8</sub> | 5 <sup>5</sup> / <sub>8</sub> |                                |                               | 7 <sup>15</sup> / <sub>16</sub> | 68                            |                               |                                    |
| 6SH 2 <sup>1</sup> / <sub>2</sub> x 3 – 6                             |                                      |                               | 3                             | 2 <sup>1</sup> / <sub>2</sub> | 6                              | 5 <sup>3</sup> / <sub>4</sub> | 17 <sup>1</sup> / <sub>4</sub>  | 8 <sup>1</sup> / <sub>2</sub> |                               | 7 <sup>15</sup> / <sub>16</sub>    |

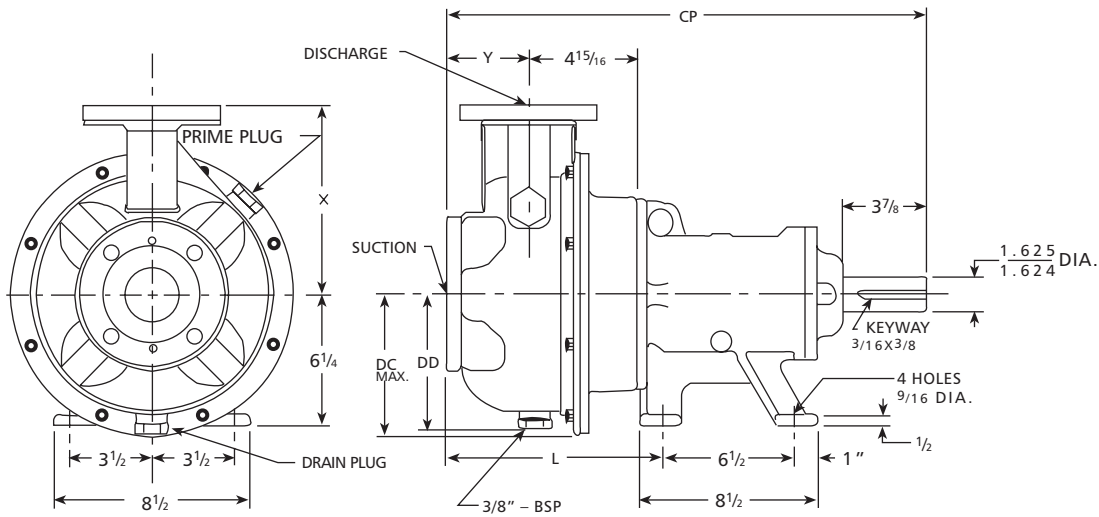
\* For use with ANSI class 150 mating flanges.  
 \* Para usar con bridas que casan ANSI clase 150.

NOTE:

- Pumps will be shipped with top vertical discharge as standard. For other orientations, remove casing bolts, rotate discharge to desired position, and tighten <sup>3</sup>/<sub>8</sub> – 16 bolts to 12 ft./lbs., <sup>7</sup>/<sub>16</sub> – 14 bolts to 20 ft./lbs.
- ALL dimensions in inches.
- Not for construction purposes.

NOTA:

- Las bombas se transportarán con la descarga vertical superior como estándar. Para otras orientaciones, retirar los tornillos de la carcasa, rotar la descarga a la posición deseada, y apretar <sup>3</sup>/<sub>8</sub> – 16 tornillos a 12 pies/libras, <sup>7</sup>/<sub>16</sub> – 14 tornillos a 20 pies/libras.
- TODAS las dimensiones en pulgadas.
- No para propósitos de construcción.



Dimensions and Weights – Bare Pump Only,  
 Dimensiones y Pesos – Solamente Bomba

| Pump | Pump Size,<br>Tamaño de<br>la Bomba | Suction*,<br>Succión* | Discharge*,<br>Descarga* | CP | DC<br>Max.,<br>DC<br>Máx. | DD    | L       | X       | Y | Wt.<br>(lbs.),<br>Peso<br>(libras) |
|------|-------------------------------------|-----------------------|--------------------------|----|---------------------------|-------|---------|---------|---|------------------------------------|
| 24SH | 1 1/2 x 2 1/2-10                    | 2 1/2                 | 1 1/2                    | 23 | 6 7/8                     | 6 5/8 | 10 1/4  | 8 15/16 | 4 | 125                                |
| 25SH | 2 x 2 1/2-10                        |                       | 2                        |    | 6 1/8                     | 5 7/8 |         |         |   | 125                                |
| 22SH | 2 1/2 x 3-8                         | 3                     | 2 1/2                    |    | 6 7/8                     | 6 5/8 | 9 15/16 | 125     |   |                                    |
| 27SH | 2 1/2 x 3-10                        |                       |                          |    | 134                       |       |         |         |   |                                    |
| 23SH | 3 x 4-8                             | 4                     | 3                        | 24 | 7 5/8                     | 7 3/8 | 11 1/4  | 11 1/8  | 5 | 136                                |
| 28SH | 3 x 4-10                            |                       |                          |    |                           |       |         |         |   | 148                                |

\* For use with ANSI class 150 mating flanges.  
 \* Para usar con bridas que casan ANSI clase 150.

NOTES:

1. Pumps will be shipped with top vertical discharge as standard. For other orientations, remove casing bolts, rotate discharge to desired position, replace and tighten 3/8 – 16 bolts to 12 ft./lbs.
2. Motor dimensions may vary with motor manufacturer.
3. Not for construction purposes.

NOTAS:

1. Las bombas se transportarán con la descarga vertical superior como estándar. Para otras orientaciones, retirar los tornillos de la carcasa, rotar la descarga a la posición deseada, y apretar 3/8 – 16 tornillos a 12 pies/libras.
2. TODAS las dimensiones en pulgadas.
3. No para propósitos de construcción.



## Specifications Especificaciones

### Capacities to:

1100 GPM (250 m<sup>3</sup>/hr) at  
3500 RPM 775 GPM (177 m<sup>3</sup>/hr)  
at 1750 RPM

### Heads to:

525 feet THD (158 m) at  
3500 RPM  
130 feet THD (40 m) at  
1750 RPM

### Maximum working pressures to:

230 PSI (15 bars)

### Maximum temperatures to:

250°F (121°C)

### All wetted components of

**AISI:** Type 316L stainless steel material.

**Rotation:** Clockwise when viewed from motor end.

### Enclosed impeller and replaceable wear ring:

for high efficiency and maximum wear life.

### Motor (close coupled):

NEMA standard JM shaft open drip-proof, totally enclosed and explosion-proof enclosures, 60 Hz, 1750 or 3500 RPM.

Single phase ODP (115/230 V)  
1750 RPM, 1 – 5 HP.

Three phase ODP. TEFC/Exp. proof (208 – 230/460 V).  
3500 RPM, 2 – 100 HP  
1750 RPM, 1 – 25 HP

**NOTE:** Overload protection must be provided. Contactor with overload for single phase or starter with heaters for three phase ordered separately.

### Motor (frame mounted):

NEMA standard T-frame open drip-proof, totally enclosed and explosion-proof (three phase only) enclosures 60 Hz, 1750 or 3500 RPM.

Single phase (115/230 V)

1750 RPM, 1 – 5 HP

Three phase (208 – 230/460 V)

3500 RPM, 3 – 125 HP

1750 RPM, 1 – 25 HP

**NOTE:** Overload protection must be provided. Contactor with overload for single phase or starter with heaters for three phase ordered separately.

**Optional:** Rigid carbon steel bedplate, sheet metal coupling guard designed to OSHA specifications and T.B. WOODS type "SC" spacer couplings.

### Capacidades:

1100 GPM (105 m<sup>3</sup>/hr) a  
3500 RPM 775 GPM (177 m<sup>3</sup>/hr) a  
1750 RPM

### Cargas:

525 pies THD (158 m) a 3500 RPM  
130 pies THD (40 m) a 1750 RPM

### Presión de trabajo máxima:

230 PSI (15 bars)

### Temperatura máxima:

250°F (121°C)

### Todos los componentes

**mojados de AISI:** Material de acero inoxidable tipo 316L.

**Rotación:** En dirección de las agujas del reloj visto desde el extremo final del motor.

### Impulsor encerrado y anillo de desgaste reemplazable:

para alta eficiencia y máxima durabilidad.

### Motor (acople cerrado):

Eje a prueba de goteo JM estándar NEMA, totalmente encerrado y recintos a prueba de explosión, 60 Hz, 1750 ó 3500 RPM.

Unifásicos ODP (115/230 V)

1750 RPM, 1 – 5 HP

Trifásicos ODP. TEFC/a prueba de explosión (208 – 230/460 V).

3500 RPM, 2 – 100 HP

1750 RPM, 1 – 25 HP

**NOTA:** Se debe de proporcionar protección térmica contra sobrecarga. Contactor con protección térmica contra sobrecarga para unifásicos o arrancadores con calentadores para trifásicos se piden por separado.

### Motor (armazón montado):

Armazón abierto T a prueba de goteo estándar NEMA, totalmente encerrado y recintos a prueba de explosión (trifásicos solamente) 60 Hz, 1750 ó 3500 RPM.

Unifásicos (115/230 V)

1750 RPM, 1 – 5 HP. Trifásicos

(208 – 230/460 V)

3500 RPM, 3 – 125 HP

1750 RPM, 1 – 25 HP

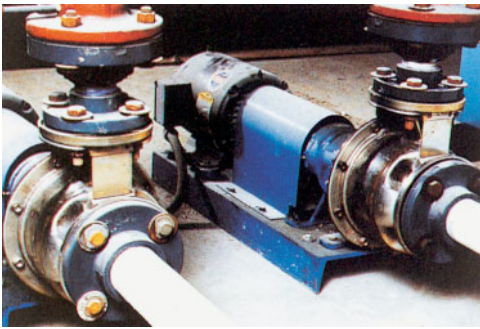
**NOTA:** Se debe de proporcionar protección térmica contra sobrecarga. Contactor con protección térmica contra sobrecarga para unifásicos o arrancadores con calentadores para trifásicos se piden por separado.

**Opcional:** Fundación rígida de acero al carbono, guarda acople de metal laminado diseñado según las especificaciones OSHA y acoples del espaciador T.B. WOODS tipo "SC".





**Typical Applications**  
**Aplicaciones Típicas**

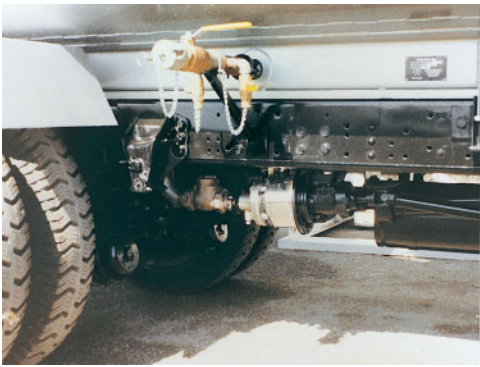


**HVAC,  
Calefacción,  
Ventilación y  
Aire  
Acondicionado**

Specifically designed for all traditional cast iron or bronze fitted water and low grade corrosive services.

- Water circulation
  - Booster systems
  - Liquid transfer
  - HVAC pump replacements
  - General service pumping
- *Circulación de Agua*
  - *Aumento de presión*
  - *Transferencia de líquidos*
  - *Reemplazos para bombas HVAC*
  - *Bombeo de servicios generales*

*Diseñada específicamente para todos los servicios de agua de hierro fundido o recubiertas de bronce y servicios corrosivos de bajo grado.*



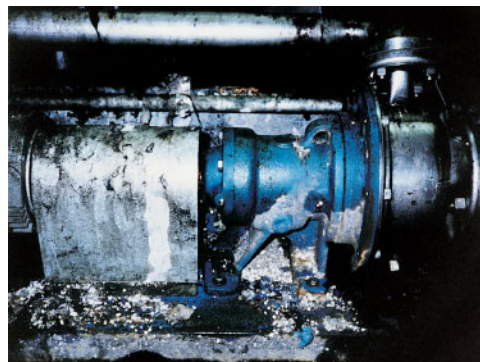
**Water truck,  
Camión cisterna**



**PCB washer,  
Arandela PCB**



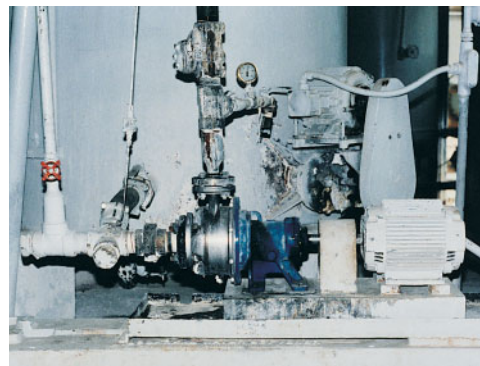
**Tubing washer,  
Arandela de  
tubería**



**Textile dyes,  
Colorantes  
textiles**



**Reverse osmosis,  
Ósmosis invertida**



**Boiler feed,  
Alimentación  
de caldera**

Goulds Pumps and the ITT Engineered Blocks symbol are registered trademarks and tradenames of ITT Industries.

*Goulds Pumps y el símbolo ITT Engineered Blocks son marcas registradas y marcas comerciales de ITT Industries.*