



# TECH CONTROL ENTERPRISE Co., Ltd.

We are the specialist which produces the Sanitary Stainless Steel Fittings & Components for the Dairy, Food, Beverage, Pharmacy, Biotechnology, Cosmetic and many other industries. Since 1988.  
No.24, Tsang Hou Street., Pan Chiao City, Taipei 220, Taiwan. (Head Office) Tel: +886-2-2967-5553 / 2968-5577 Fax: +886-2-2967-5545 <http://www.tech-control-tw.com> e-mail: [techcontrol@seed.net.tw](mailto:techcontrol@seed.net.tw)

## *Introduction to the*

**C - Series**

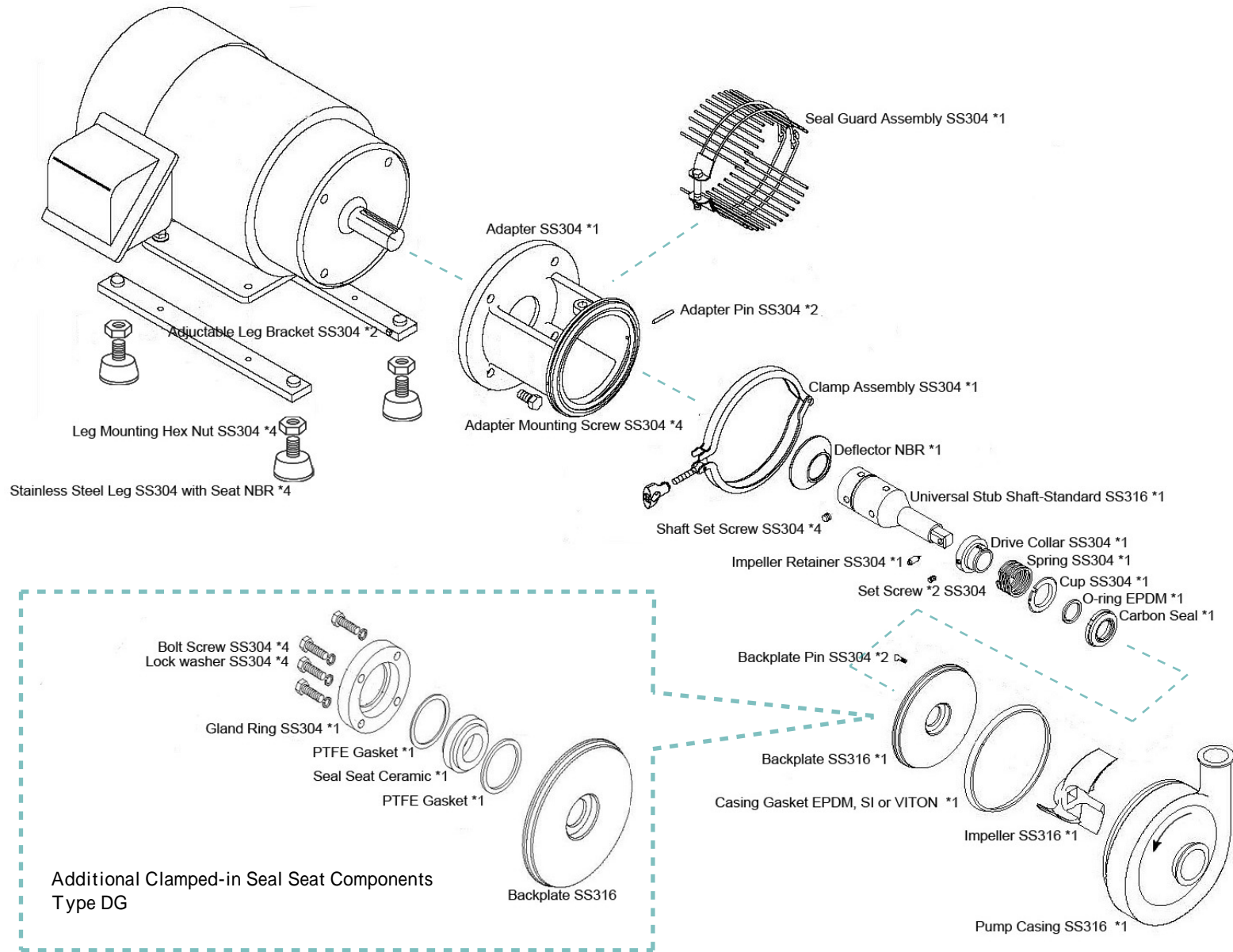
# **Sanitary Centrifugal Pump**



- *Strong Performance*
- *Easy Cleaning*
- *CIP Capability*
- *Competitive Price*
- *Parts Interchangeable*



## C-Series Centrifugal Pump Assembling Figure





## C-Series Centrifugal Pump Maximum Capacity & Maximum Head

# 50 HZ

| MODEL | INLET | OUTLET | MAXIMUM<br>IMPELLER<br>SIZE | MAXIMUM CAPACITY                 |                                   | MAXIMUM HEAD  |                |
|-------|-------|--------|-----------------------------|----------------------------------|-----------------------------------|---------------|----------------|
|       |       |        |                             | 1450 RPM                         | 2900 RPM                          | 1450 RPM      | 2900 RPM       |
| C114  | 1.5"  | 1.5"   | 4"                          | 14 M <sup>3</sup> /HR<br>62 GPM  | 29 M <sup>3</sup> /HR<br>130 GPM  | 3 M<br>12 FT  | 15 M<br>51 FT  |
| C216  | 2"    | 1.5"   | 6"                          | 29 M <sup>3</sup> /HR<br>130 GPM | 48 M <sup>3</sup> /HR<br>215 GPM  | 8 M<br>27 FT  | 36 M<br>120 FT |
| C218  | 2"    | 1.5"   | 8"                          | 43 M <sup>3</sup> /HR<br>190 GPM | 52 M <sup>3</sup> /HR<br>230 GPM  | 15 M<br>52 FT | 67 M<br>220 FT |
| C328  | 3"    | 2"     | 8"                          | 77 M <sup>3</sup> /HR<br>340 GPM | 122 M <sup>3</sup> /HR<br>540 GPM | 16 M<br>55 FT | 70 M<br>232 FT |

## C-Series Centrifugal Pump Maximum Capacity & Maximum Head

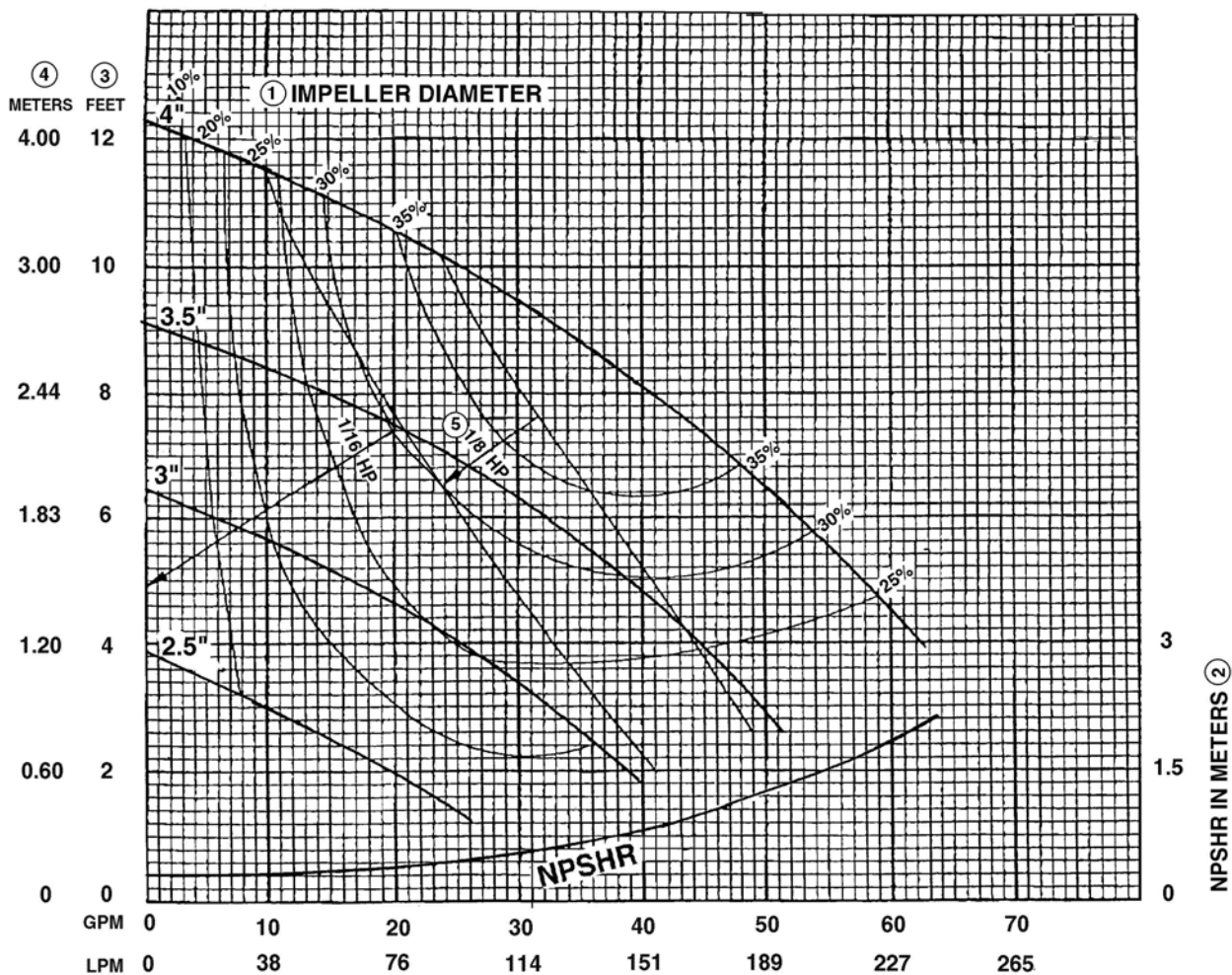
# 60 HZ

| MODEL | INLET | OUTLET | MAXIMUM<br>IMPELLER<br>SIZE | MAXIMUM CAPACITY                 |                                   | MAXIMUM HEAD  |                |
|-------|-------|--------|-----------------------------|----------------------------------|-----------------------------------|---------------|----------------|
|       |       |        |                             | 1750 RPM                         | 3500 RPM                          | 1750 RPM      | 3500 RPM       |
| C114  | 1.5"  | 1.5"   | 4"                          | 17 M <sup>3</sup> /HR<br>74 GPM  | 34 M <sup>3</sup> /HR<br>148 GPM  | 5 M<br>18 FT  | 23 M<br>74 FT  |
| C216  | 2"    | 1.5"   | 6"                          | 33 M <sup>3</sup> /HR<br>145 GPM | 64 M <sup>3</sup> /HR<br>280 GPM  | 13 M<br>42 FT | 52 M<br>169 FT |
| C218  | 2"    | 1.5"   | 8"                          | 49 M <sup>3</sup> /HR<br>217 GPM | 68 M <sup>3</sup> /HR<br>300 GPM  | 23 M<br>76 FT | 97 M<br>317 FT |
| C328  | 3"    | 2"     | 8"                          | 94 M <sup>3</sup> /HR<br>416 GPM | 144 M <sup>3</sup> /HR<br>635 GPM | 23 M<br>74 FT | 93 M<br>304 FT |



## C-Series Centrifugal Pump Performance Curve

Model **C114**  
50 HZ, 1450 RPM  
Size: 1.5" x1.5" x4"



### NOTES :

- ① IMPELLER DIAMETERS are available in 1/4" increments
- ② Net Positive Suction Head Required (NPSHR) is shown for MAXIMUM IMPELLER DIAMETER
- ③ HEAD (Feet)  $\times$  SPECIFIC GRAVITY / 2.3 = PSI
- ④ HEAD (Meters)  $\times$  SPECIFIC GRAVITY / 10 = Kg / cm<sup>2</sup>
- ⑤ HORSE POWER (Hp)  $\times$  0.746 = Kw
- ⑥ All information on the performance curves are based on test with WATER at 22°C (70°F)

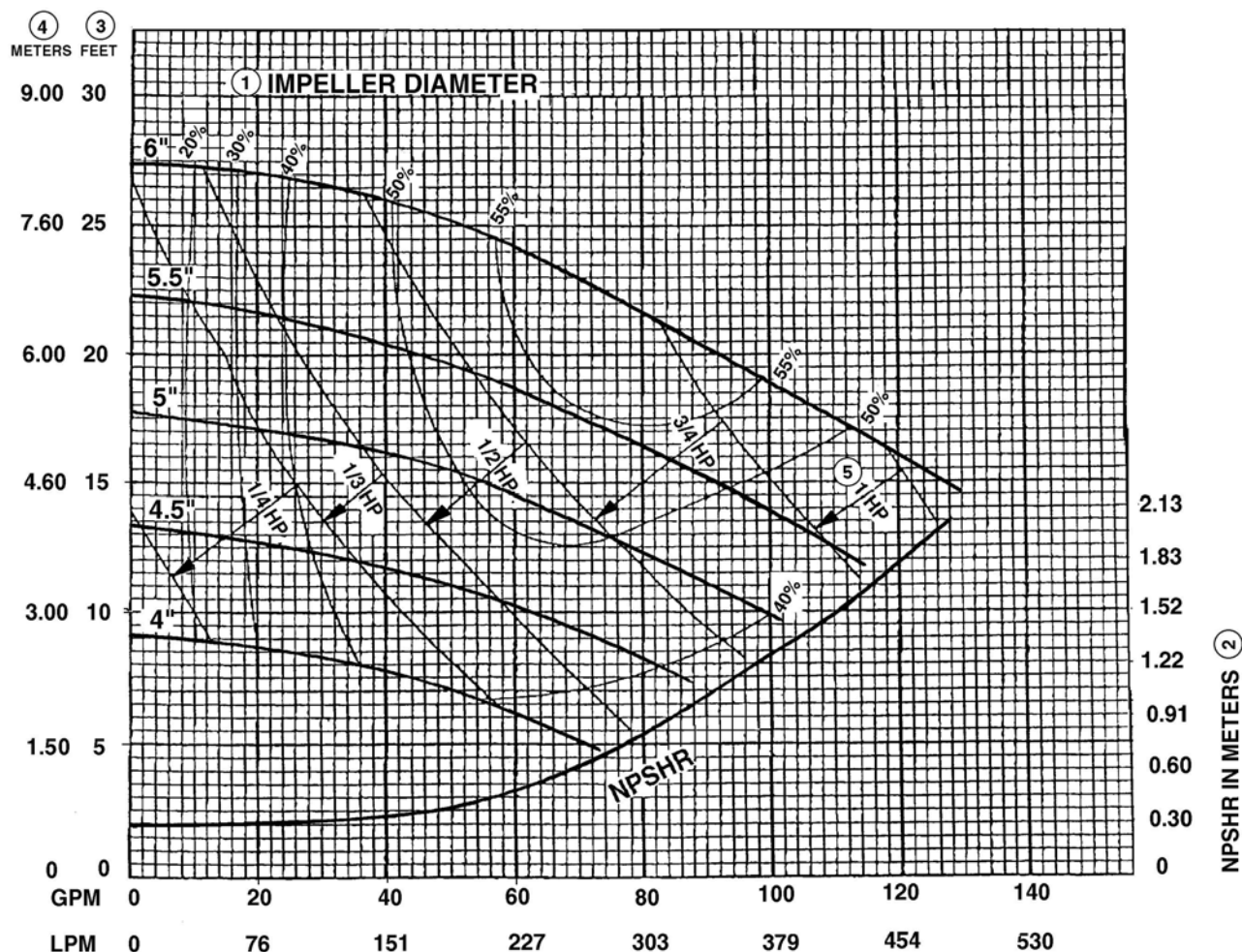
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|-------------------|---|-------------|--|--------------------------|----|-------------|------|
| Client            |   |             |  | Contact Person           |    | Date        |      |
| Capacity          |   | Temperature |  | Voltage                  | V  | Phase       |      |
| Head              |   | Application |  | Frequency                | Hz | Quantity    | Sets |
| Remarks           |   |             |  |                          |    |             |      |
| Recommended Model | _____ T - _____ Hp, _____ P<br>_____ V _____ Hz _____ Phase, Impeller _____"<br>Inlet _____", Outlet _____" |             |  | With Motor<br>(Yes / No) |    | Motor Brand |      |





## C-Series Centrifugal Pump Performance Curve

Model **C216**  
50 HZ, 1450 RPM  
Size: 2" x 1.5" x 6"



### NOTES :

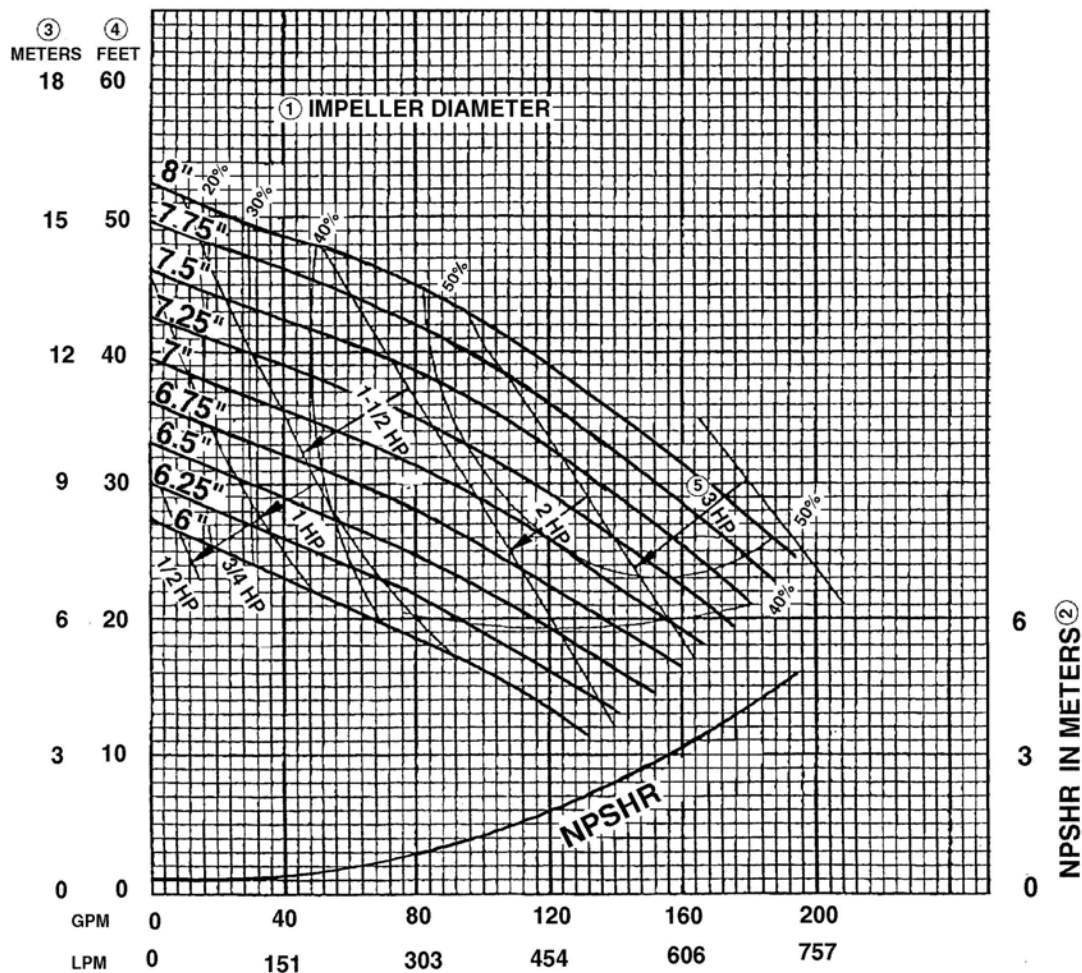
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| Remarks           |   |             |  |                          |    |             |      |
| Recommended Model | _____ T - _____ Hp, _____ P<br>_____ V _____ Hz Phase, Impeller _____"<br>Inlet _____", Outlet _____" |             |  | With Motor<br>(Yes / No) |    | Motor Brand |      |



## C-Series Centrifugal Pump Performance Curve

Model **C218**  
50 HZ, 1450 RPM  
Size: 2" x1.5" x8"



### NOTES :

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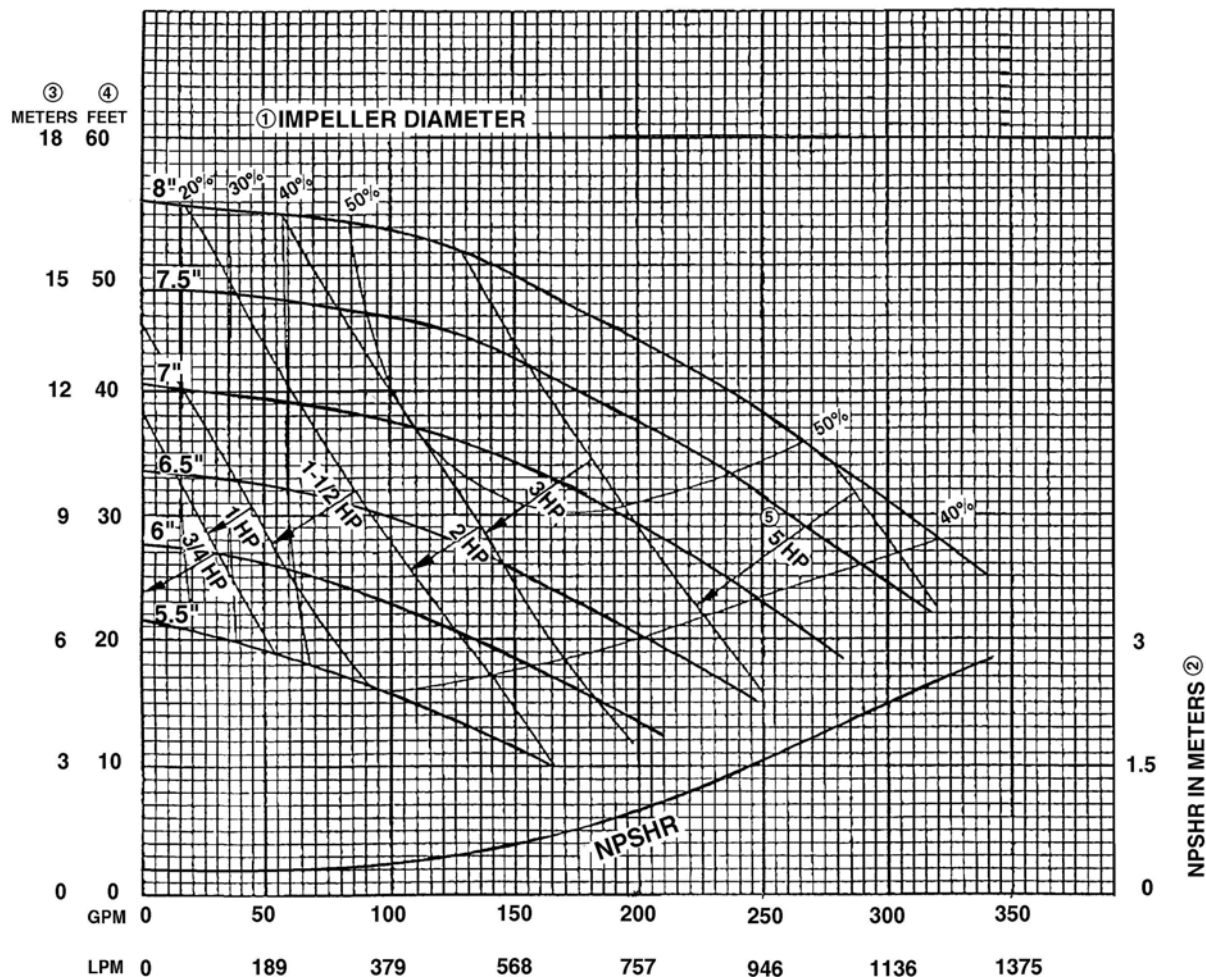
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| Client            |   |             |  | Contact Person           |    | Date        |      |
| Capacity          |   | Temperature |  | Voltage                  | V  | Phase       |      |
| Head              |   | Application |  | Frequency                | Hz | Quantity    | Sets |
| Remarks           |   |             |  |                          |    |             |      |
| Recommended Model | _____ T - _____ Hp, _____ P<br>_____ V _____ Hz _____ Phase, Impeller _____"<br>Inlet _____", Outlet _____" |             |  | With Motor<br>(Yes / No) |    | Motor Brand |      |





## C-Series Centrifugal Pump Performance Curve

Model **C328**  
50 HZ, 1450 RPM  
Size: 3" x 2" x 8"



### NOTES :

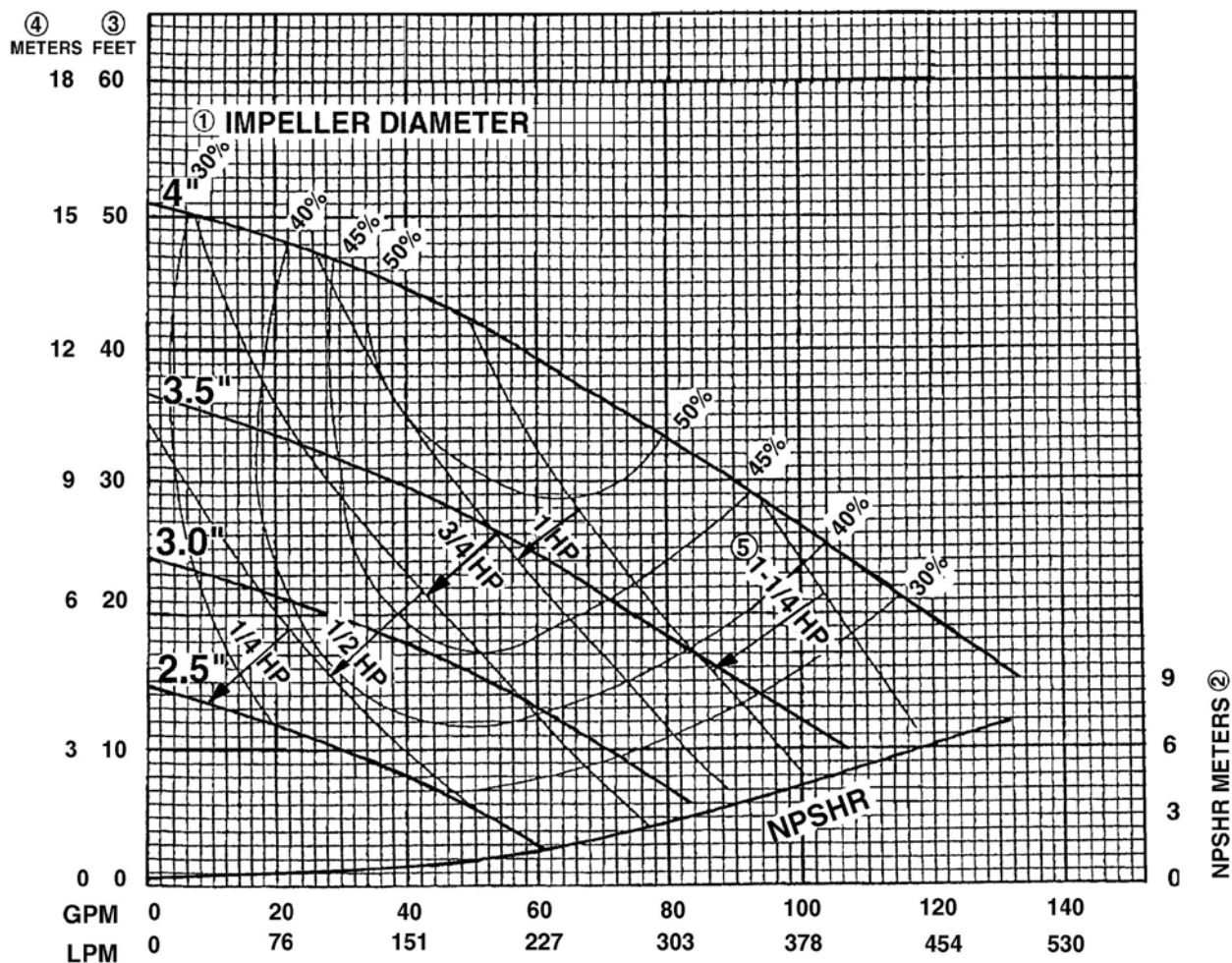
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|-------------------|---|-------------|--|--------------------------|----|-------------|------|
| Client            |   |             |  | Contact Person           |    | Date        |      |
| Capacity          |   | Temperature |  | Voltage                  | V  | Phase       |      |
| Head              |   | Application |  | Frequency                | Hz | Quantity    | Sets |
| Remarks           |   |             |  |                          |    |             |      |
| Recommended Model | _____ T - _____ Hp, _____ P<br>_____ V _____ Hz _____ Phase, Impeller _____"<br>Inlet _____", Outlet _____" |             |  | With Motor<br>(Yes / No) |    | Motor Brand |      |



## C-Series Centrifugal Pump Performance Curve

Model **C114**  
50 HZ, 2900 RPM  
Size: 1.5" x 1.5" x 4"



### NOTES :

- ① IMPELLER DIAMETERS are available in 1/4" increments
- ② Net Positive Suction Head Required (NPSHR) is shown for MAXIMUM IMPELLER DIAMETER
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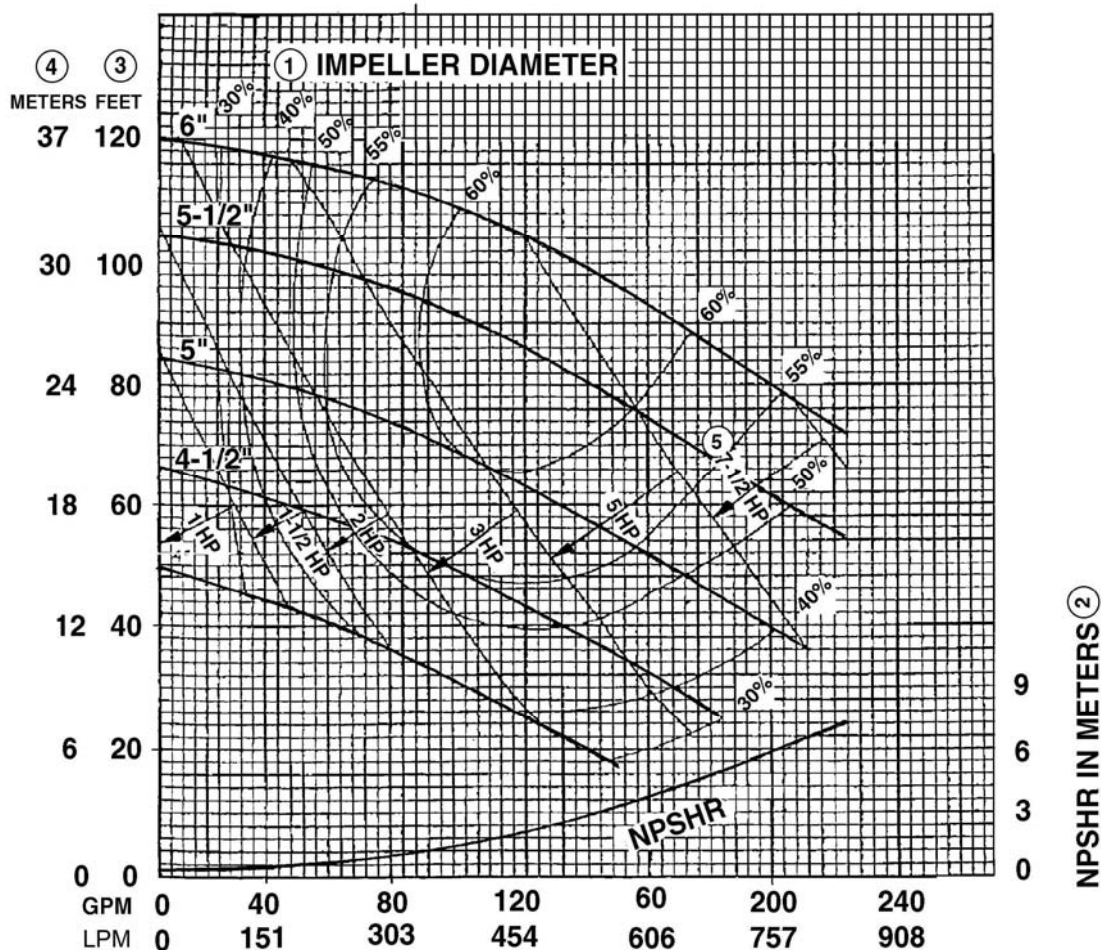
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| Client            |   |             |  | Contact Person           |    | Date        |      |
| Capacity          |   | Temperature |  | Voltage                  | V  | Phase       |      |
| Head              |   | Application |  | Frequency                | Hz | Quantity    | Sets |
| Remarks           |   |             |  |                          |    |             |      |
| Recommended Model | _____ T - _____ Hp, _____ P<br>_____ V _____ Hz Phase, Impeller _____"<br>Inlet _____", Outlet _____" |             |  | With Motor<br>(Yes / No) |    | Motor Brand |      |





## C-Series Centrifugal Pump Performance Curve

Model **C216**  
50 HZ, 2900 RPM  
Size: 2" x 1.5" x 6"



### NOTES :

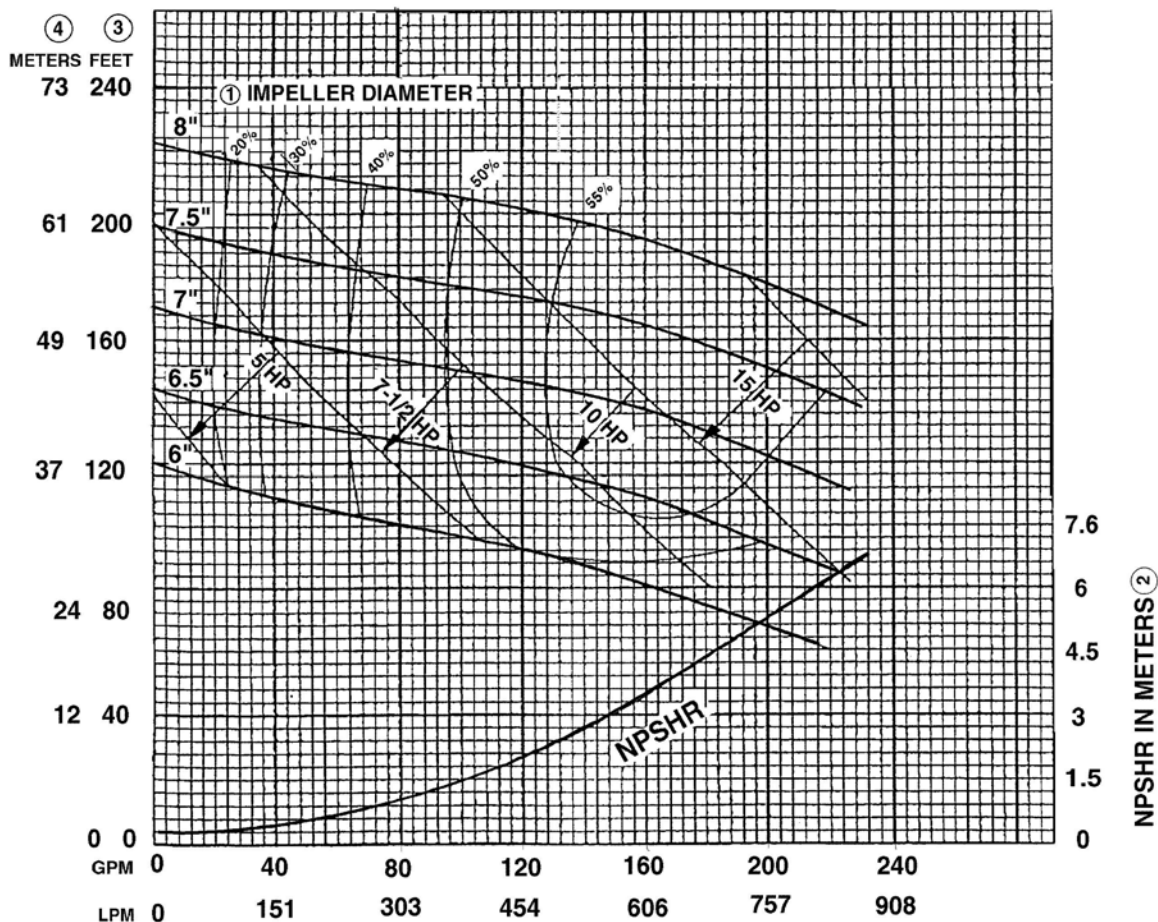
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- ⑤ HORSE POWER (Hp) × 0.746 = Kw
- ⑥ All information on the performance curves are based on test with WATER at 22°C (70°F)

|                   |   |             |  |                          |    |             |      |
|-------------------|---|-------------|--|--------------------------|----|-------------|------|
| Client            |   |             |  | Contact Person           |    | Date        |      |
| Capacity          |   | Temperature |  | Voltage                  | V  | Phase       |      |
| Head              |   | Application |  | Frequency                | Hz | Quantity    | Sets |
| Remarks           |   |             |  |                          |    |             |      |
| Recommended Model | _____ T - _____ Hp, _____ P<br>_____ V _____ Hz Phase, Impeller _____"<br>Inlet _____", Outlet _____" |             |  | With Motor<br>(Yes / No) |    | Motor Brand |      |



## C-Series Centrifugal Pump Performance Curve

Model **C218**  
50 HZ, 2900 RPM  
Size: 2" x1.5" x8"



### NOTES :

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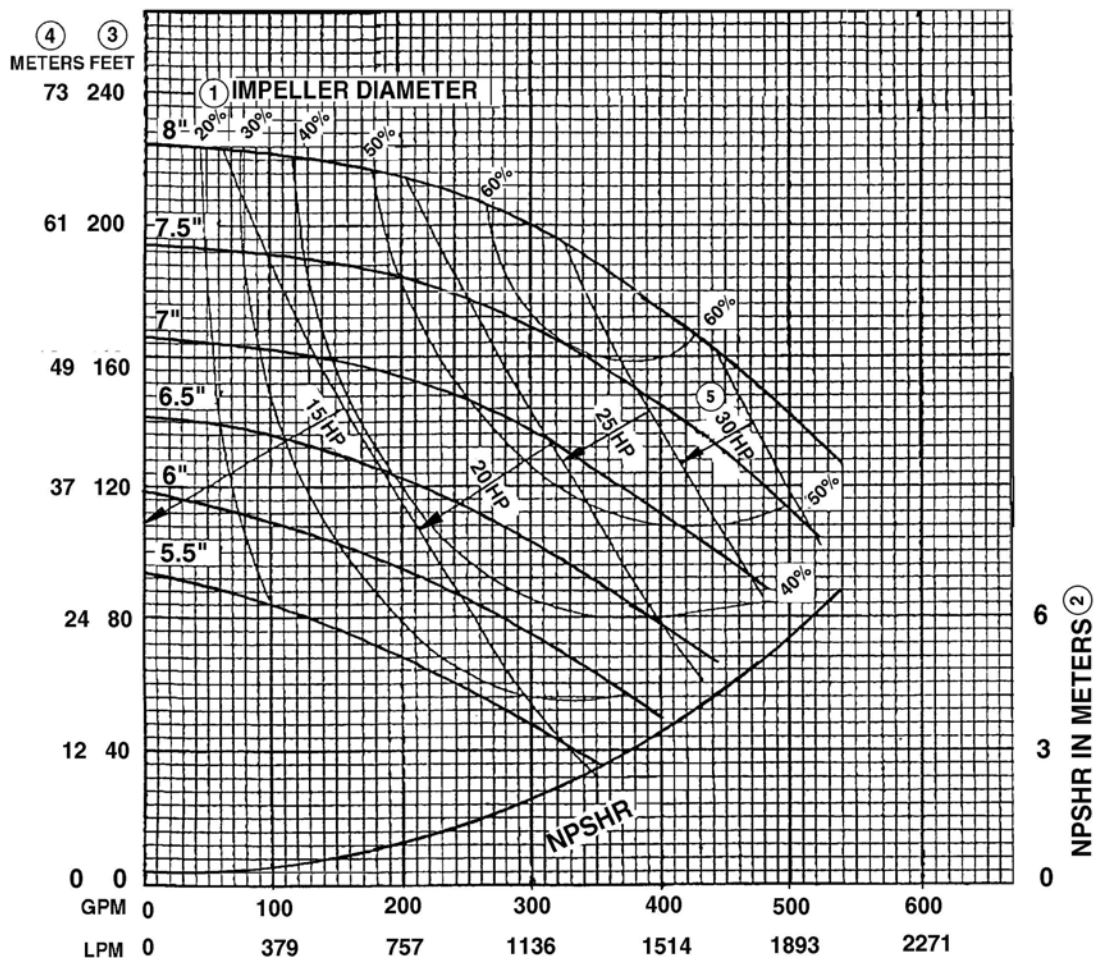
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| Client            |   |             |  | Contact Person        |    | Date        |      |
| Capacity          |   | Temperature |  | Voltage               | V  | Phase       |      |
| Head              |   | Application |  | Frequency             | Hz | Quantity    | Sets |
| Remarks           |   |             |  |                       |    |             |      |
| Recommended Model | _____ T - _____ Hp, _____ P<br>_____ V _____ Hz _____ Phase, Impeller _____"<br>Inlet _____", Outlet _____" |             |  | With Motor (Yes / No) |    | Motor Brand |      |





## C-Series Centrifugal Pump Performance Curve

Model **C328**  
50 HZ, 2900 RPM  
Size: 3" x2" x8"



### NOTES :

- ① IMPELLER DIAMETERS are available in 1/4" increments
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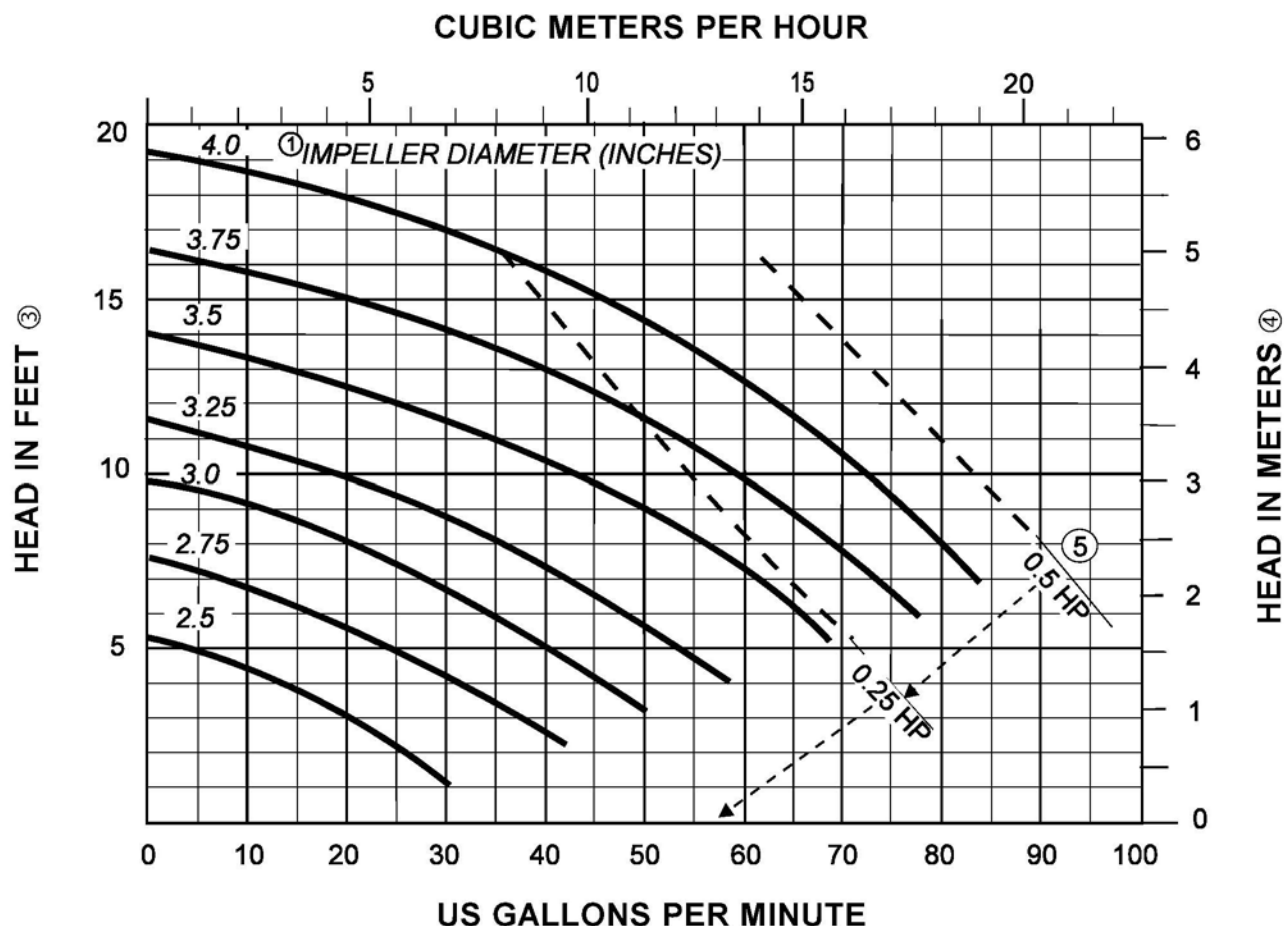
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| Client            |   |             |  | Contact Person           |    | Date        |      |
| Capacity          |   | Temperature |  | Voltage                  | V  | Phase       |      |
| Head              |   | Application |  | Frequency                | Hz | Quantity    | Sets |
| Remarks           |   |             |  |                          |    |             |      |
| Recommended Model | _____ T - _____ Hp, _____ P<br>_____ V _____ Hz _____ Phase, Impeller _____"<br>Inlet _____", Outlet _____" |             |  | With Motor<br>(Yes / No) |    | Motor Brand |      |





## C-Series Centrifugal Pump Performance Curve

Model **C114**  
60 HZ, 1750 RPM  
Size: 1.5" x1.5" x4"



### NOTES :

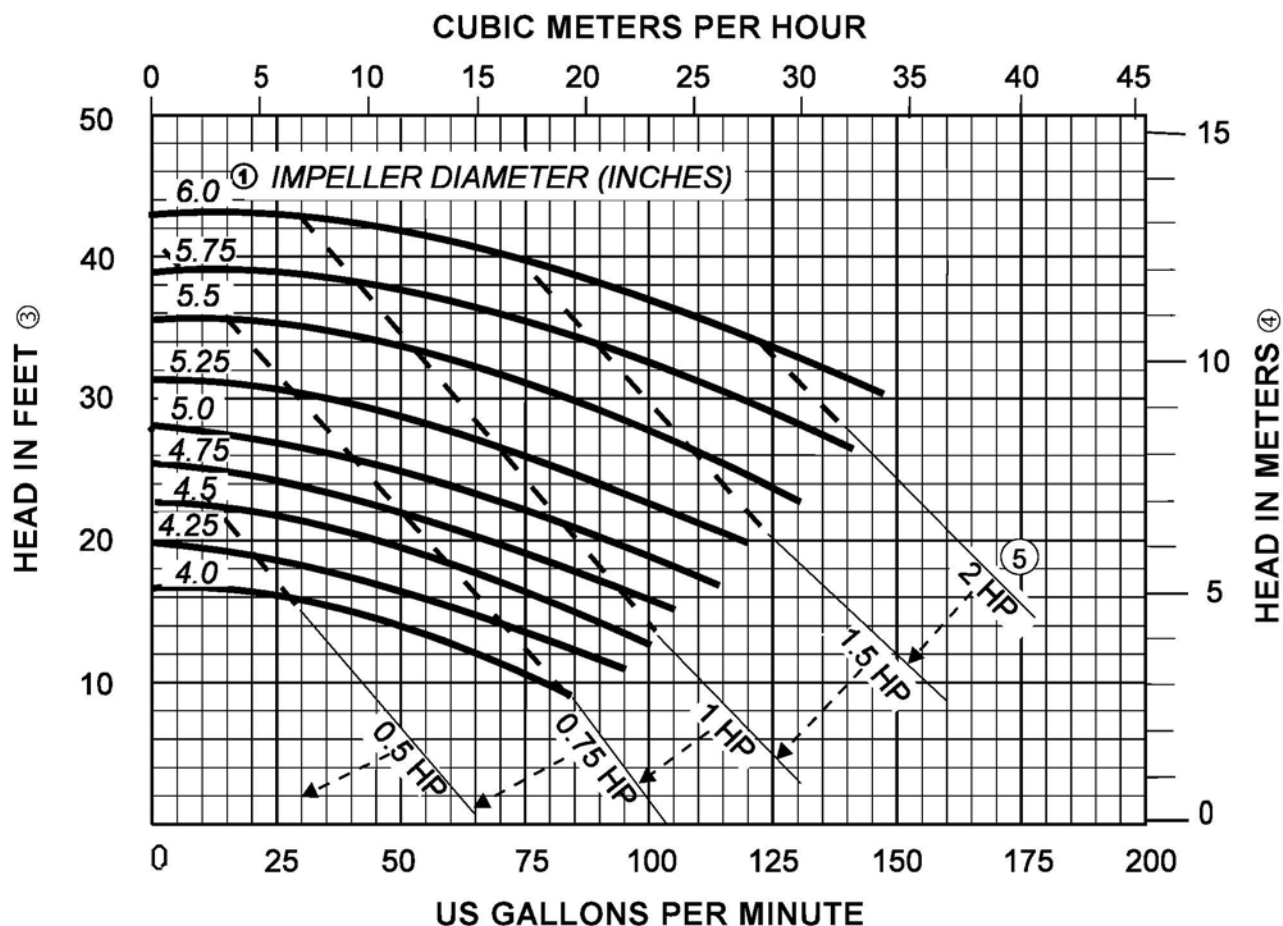
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|                   |   |             |  |                          |    |             |      |
|-------------------|---|-------------|--|--------------------------|----|-------------|------|
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| Capacity          |   | Temperature |  | Voltage                  | V  | Phase       |      |
| Head              |   | Application |  | Frequency                | Hz | Quantity    | Sets |
| Remarks           |   |             |  |                          |    |             |      |
| Recommended Model | _____ T - _____ Hp, _____ P<br>_____ V _____ Hz Phase, Impeller _____"<br>Inlet _____", Outlet _____" |             |  | With Motor<br>(Yes / No) |    | Motor Brand |      |



## C-Series Centrifugal Pump Performance Curve

Model **C216**  
60 HZ, 1750 RPM  
Size: 2" x1.5" x6"



### NOTES :

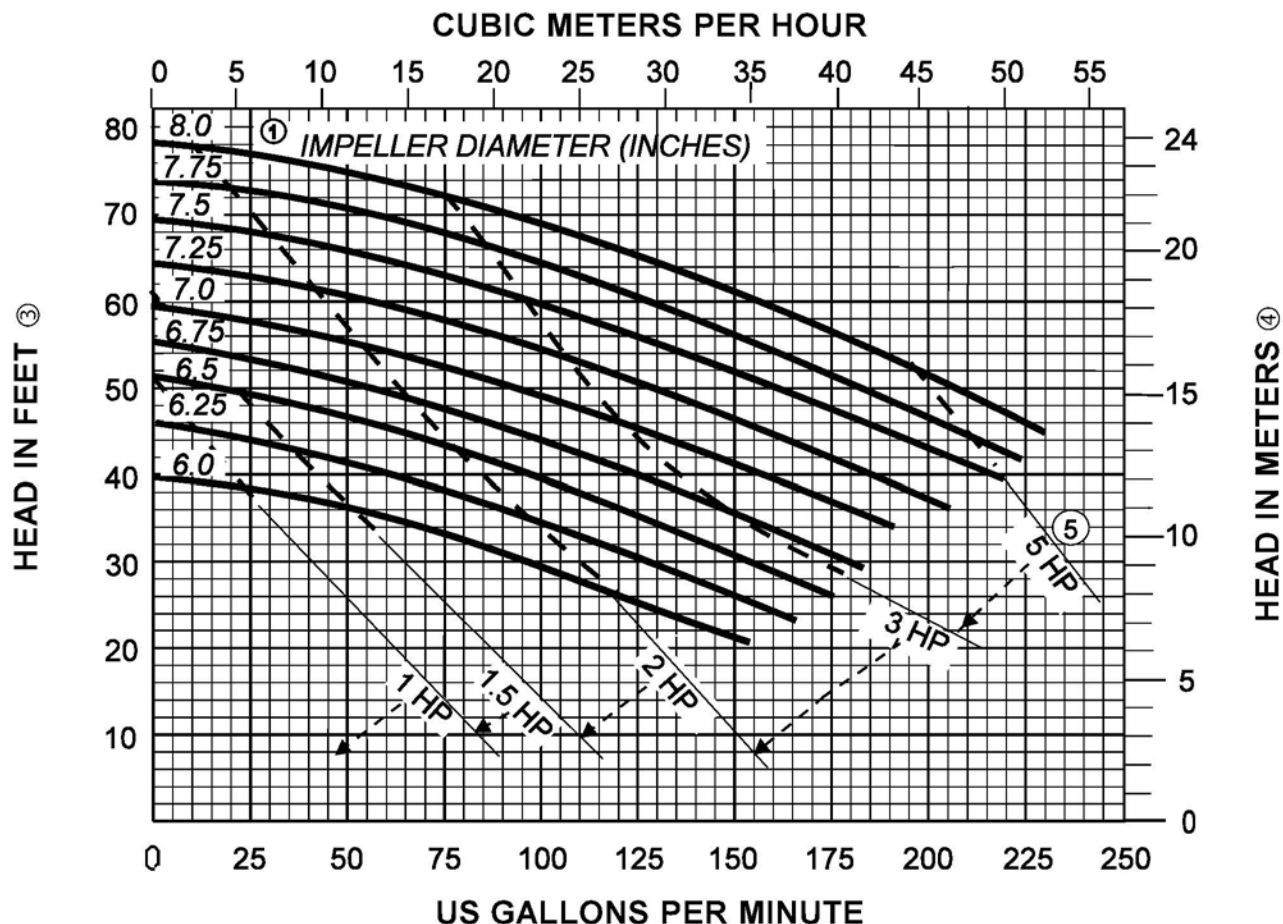
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|-------------------|---|-------------|--|--------------------------|----|-------------|------|
| Client            |   |             |  | Contact Person           |    | Date        |      |
| Capacity          |   | Temperature |  | Voltage                  | V  | Phase       |      |
| Head              |   | Application |  | Frequency                | Hz | Quantity    | Sets |
| Remarks           |   |             |  |                          |    |             |      |
| Recommended Model | _____ T - _____ Hp, _____ P<br>_____ V _____ Hz Phase, Impeller _____"<br>Inlet _____", Outlet _____" |             |  | With Motor<br>(Yes / No) |    | Motor Brand |      |



## C-Series Centrifugal Pump Performance Curve

Model **C218**  
60 HZ, 1750 RPM  
Size: 2" x1.5" x8"



### NOTES :

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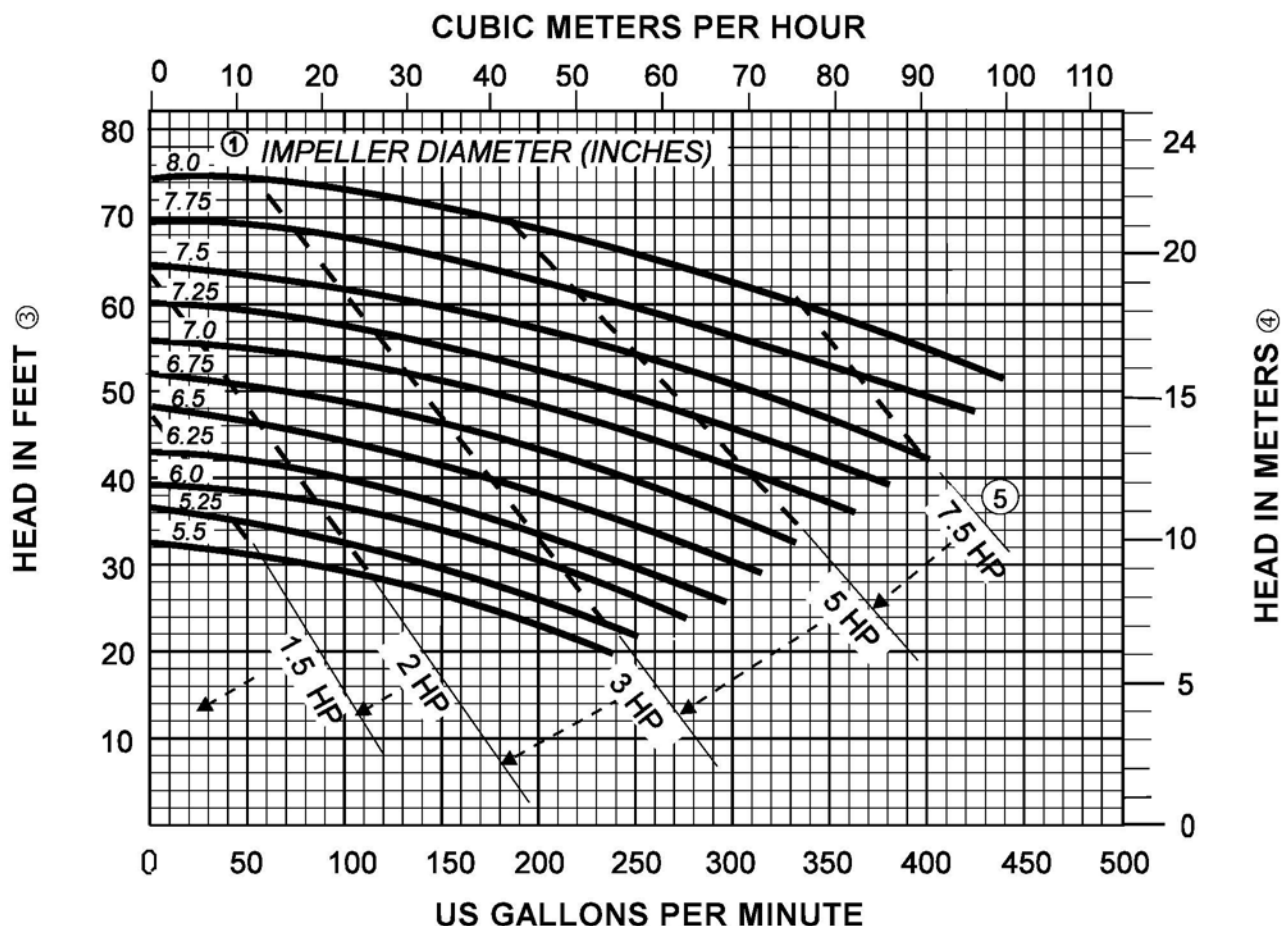
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| Remarks           |   |             |  |                          |    |             |      |
| Recommended Model | _____ T - _____ Hp, _____ P<br>_____ V _____ Hz Phase, Impeller _____"<br>Inlet _____", Outlet _____" |             |  | With Motor<br>(Yes / No) |    | Motor Brand |      |





## C-Series Centrifugal Pump Performance Curve

Model **C328**  
60 HZ, 1750 RPM  
Size: 3" x2" x8"



### NOTES :

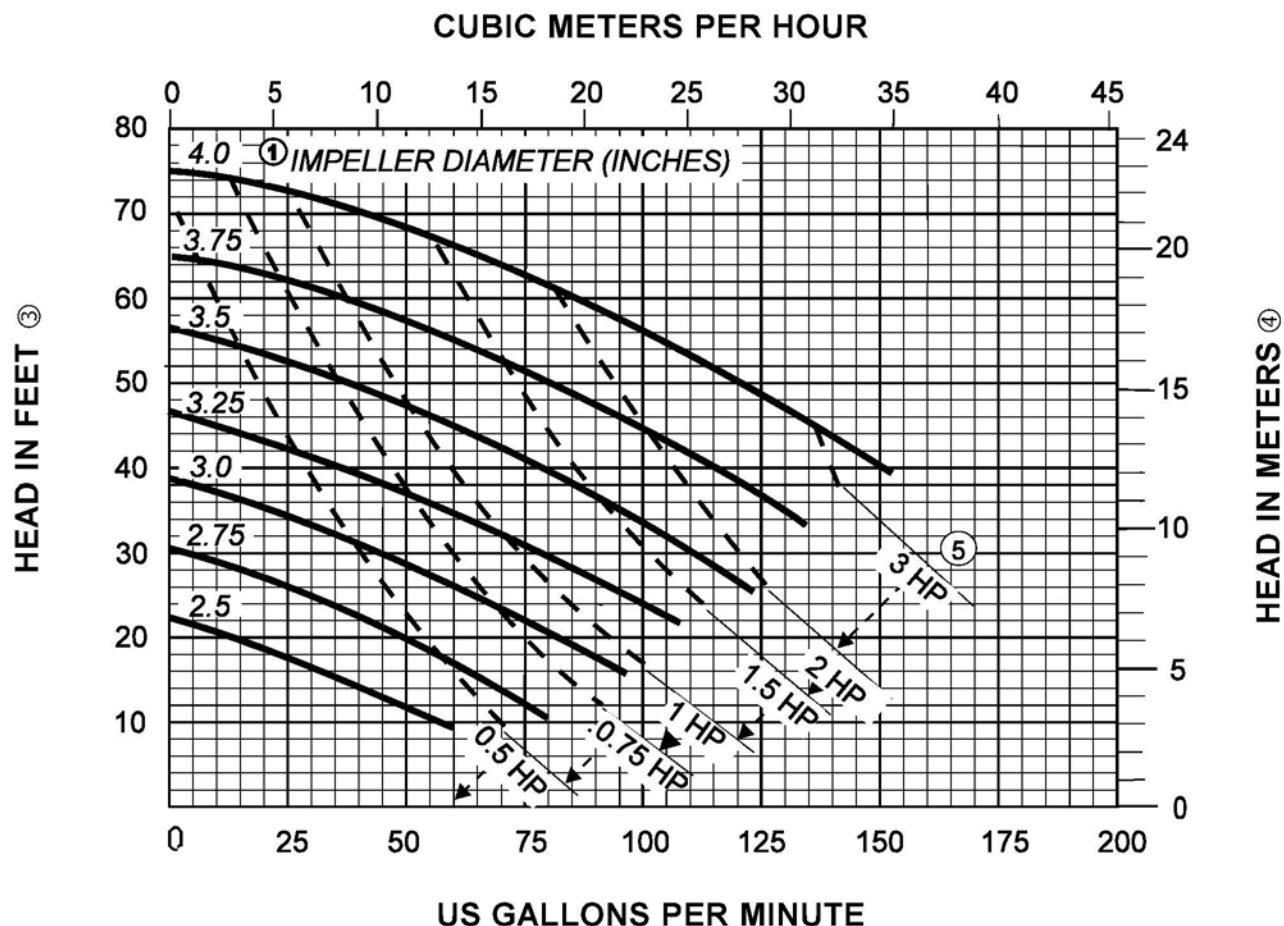
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|-------------------|---|-------------|--|--------------------------|----|-------------|------|
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| Capacity          |   | Temperature |  | Voltage                  | V  | Phase       |      |
| Head              |   | Application |  | Frequency                | Hz | Quantity    | Sets |
| Remarks           |   |             |  |                          |    |             |      |
| Recommended Model | _____ T - _____ Hp, _____ P<br>_____ V _____ Hz Phase, Impeller _____"<br>Inlet _____", Outlet _____" |             |  | With Motor<br>(Yes / No) |    | Motor Brand |      |



## C-Series Centrifugal Pump Performance Curve

Model **C114**  
60 HZ, 3500 RPM  
Size: 1.5" x1.5" x4"



### NOTES :

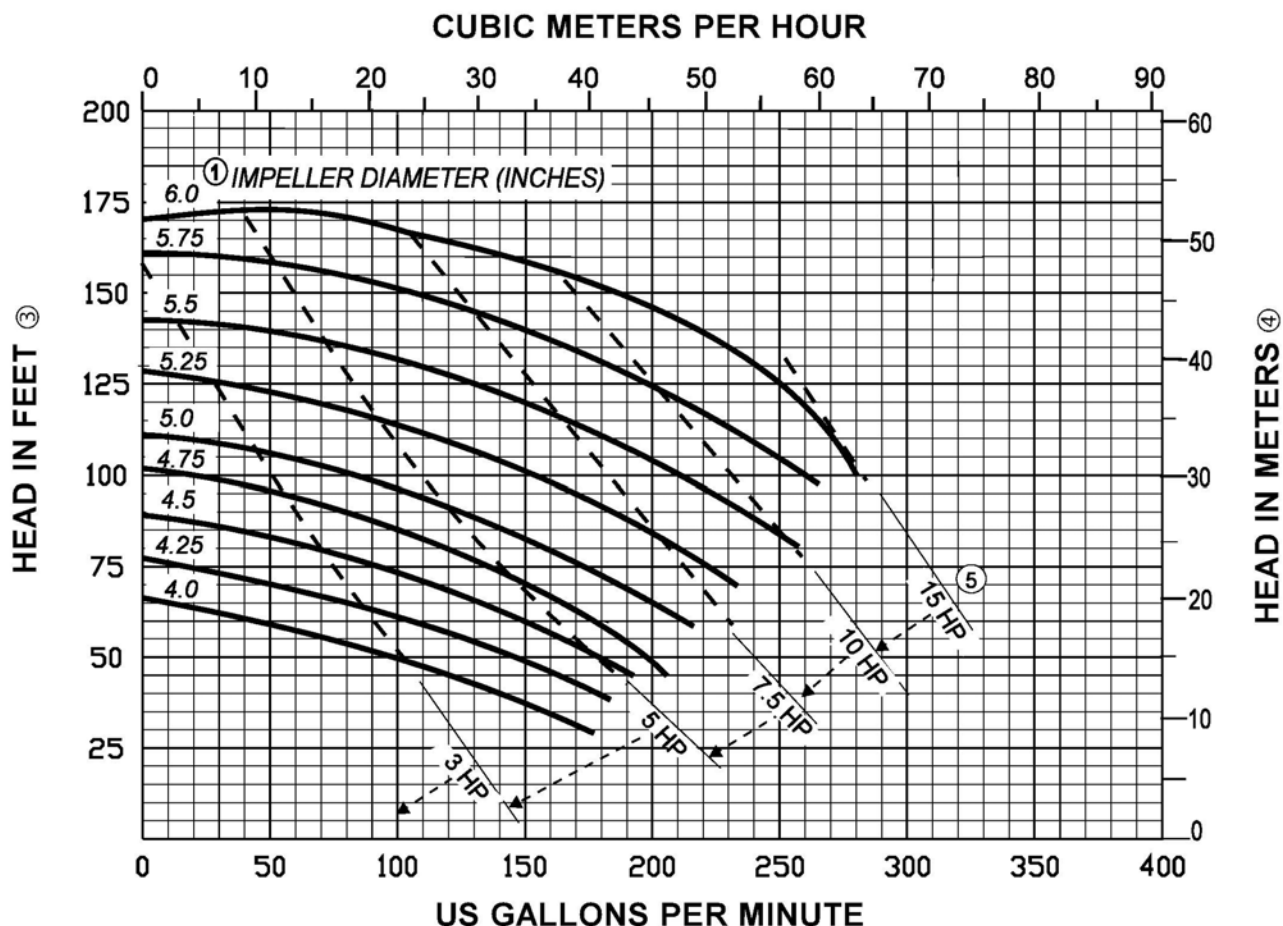
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| Head              |   | Application |  | Frequency                | Hz | Quantity    | Sets |
| Remarks           |   |             |  |                          |    |             |      |
| Recommended Model | _____ - _____ T - _____ Hp, _____ P<br>_____ V _____ Hz _____ Phase, Impeller _____"<br>Inlet _____", Outlet _____" |             |  | With Motor<br>(Yes / No) |    | Motor Brand |      |



## C-Series Centrifugal Pump Performance Curve

Model **C216**  
60 HZ, 3500 RPM  
Size: 2" x1.5" x6"



### NOTES :

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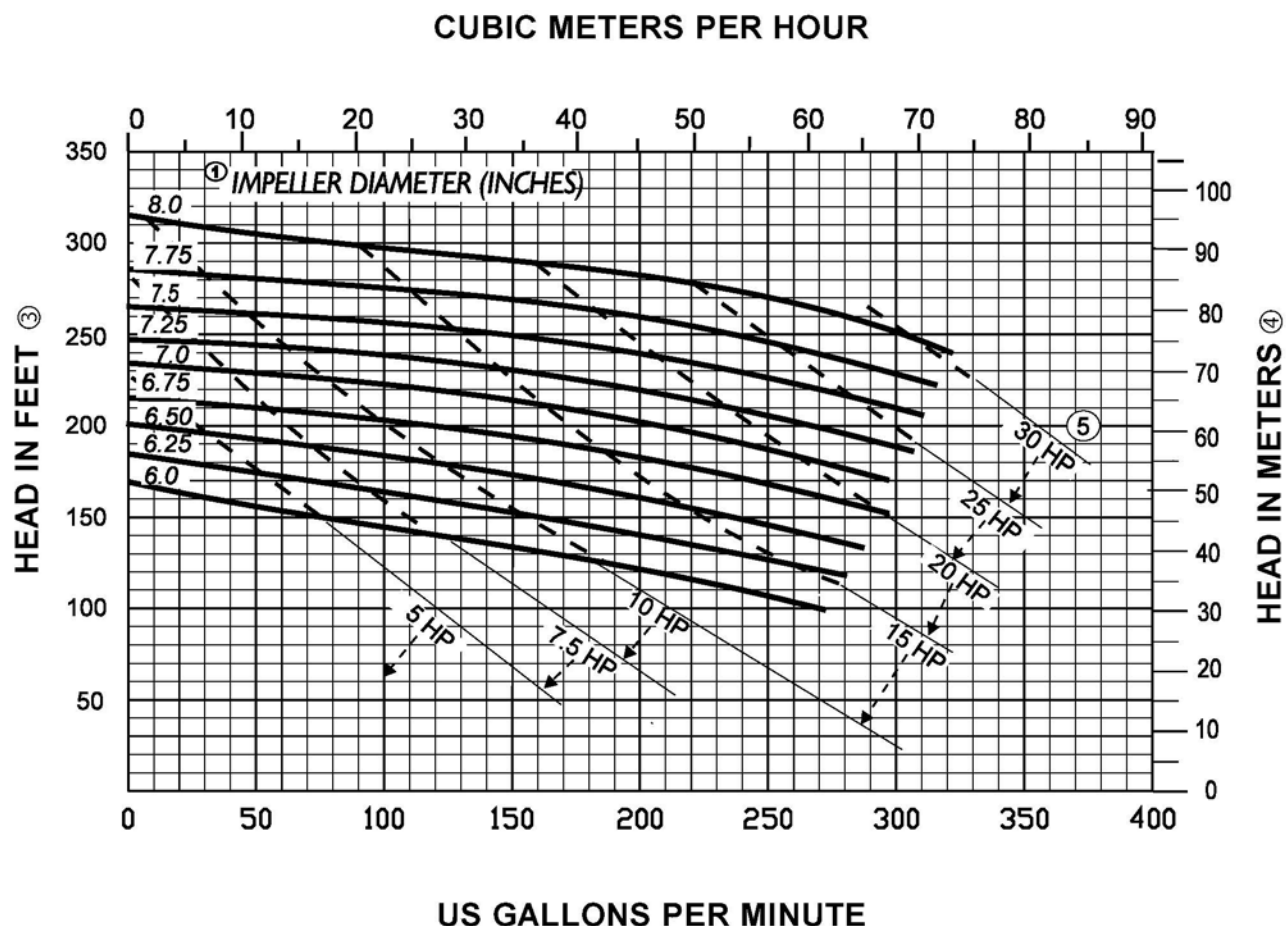
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|-------------------|---|-------------|--|--------------------------|----|-------------|------|
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| Capacity          |   | Temperature |  | Voltage                  | V  | Phase       |      |
| Head              |   | Application |  | Frequency                | Hz | Quantity    | Sets |
| Remarks           |   |             |  |                          |    |             |      |
| Recommended Model | _____ T - _____ Hp, _____ P<br>_____ V _____ Hz _____ Phase, Impeller _____"<br>Inlet _____", Outlet _____" |             |  | With Motor<br>(Yes / No) |    | Motor Brand |      |





## C-Series Centrifugal Pump Performance Curve

Model **C218**  
60 HZ, 3500 RPM  
Size: 2" x1.5" x8"



### NOTES :

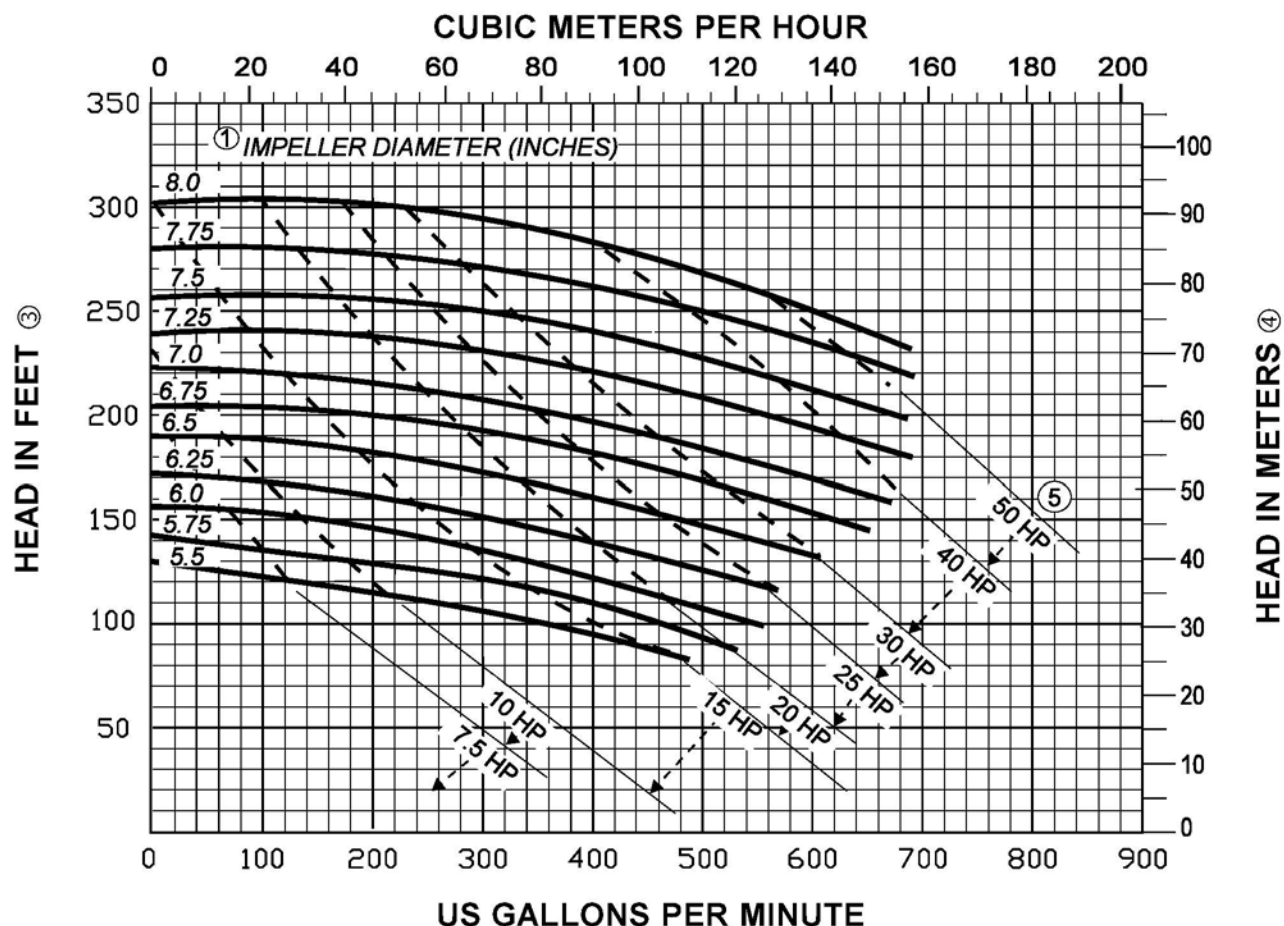
- ① IMPELLER DIAMETERS are available in 1/4" increments
- ② Net Positive Suction Head Required (NPSHR) is shown for MAXIMUM IMPELLER DIAMETER
- ③ HEAD (Feet)  $\times$  SPECIFIC GRAVITY / 2.3 = PSI
- ④ HEAD (Meters)  $\times$  SPECIFIC GRAVITY / 10 = Kg / cm<sup>2</sup>
- ⑤ HORSE POWER (Hp)  $\times$  0.746 = Kw
- ⑥ All information on the performance curves are based on test with WATER at 22°C (70°F)

|                   |   |             |  |                          |    |             |      |
|-------------------|---|-------------|--|--------------------------|----|-------------|------|
| Client            |   |             |  | Contact Person           |    | Date        |      |
| Capacity          |   | Temperature |  | Voltage                  | V  | Phase       |      |
| Head              |   | Application |  | Frequency                | Hz | Quantity    | Sets |
| Remarks           |   |             |  |                          |    |             |      |
| Recommended Model | _____ T - _____ Hp, _____ P<br>_____ V _____ Hz _____ Phase, Impeller _____"<br>Inlet _____", Outlet _____" |             |  | With Motor<br>(Yes / No) |    | Motor Brand |      |



## C-Series Centrifugal Pump Performance Curve

Model **C328**  
60 HZ, 3500 RPM  
Size: 3" x2" x8"



### NOTES :

- ① IMPELLER DIAMETERS are available in 1/4" increments
- ② Net Positive Suction Head Required (NPSHR) is shown for MAXIMUM IMPELLER DIAMETER
- ③ HEAD (Feet)  $\times$  SPECIFIC GRAVITY / 2.3 = PSI
- ④ HEAD (Meters)  $\times$  SPECIFIC GRAVITY / 10 = Kg / cm<sup>2</sup>
- ⑤ HORSE POWER (Hp)  $\times$  0.746 = Kw
- ⑥ All information on the performance curves are based on test with WATER at 22°C (70°F)

|                   |   |             |  |                          |    |             |      |
|-------------------|---|-------------|--|--------------------------|----|-------------|------|
| Client            |   |             |  | Contact Person           |    | Date        |      |
| Capacity          |   | Temperature |  | Voltage                  | V  | Phase       |      |
| Head              |   | Application |  | Frequency                | Hz | Quantity    | Sets |
| Remarks           |   |             |  |                          |    |             |      |
| Recommended Model | _____ T - _____ Hp, _____ P<br>_____ V _____ Hz Phase, Impeller _____"<br>Inlet _____", Outlet _____" |             |  | With Motor<br>(Yes / No) |    | Motor Brand |      |