1GA & 2GA
SUBMERSIBLE GRINDER PUMPS
1Ø Composite Curves

<table>
<thead>
<tr>
<th>Impeller Code</th>
<th>Order Number</th>
<th>HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>2GA31J1FD</td>
<td>9.4</td>
</tr>
<tr>
<td>G</td>
<td>1GA81H1GD</td>
<td>5.4</td>
</tr>
<tr>
<td>H</td>
<td>1GA71G1HD</td>
<td>3</td>
</tr>
<tr>
<td>J</td>
<td>2GA31J1JD</td>
<td>9.4</td>
</tr>
<tr>
<td>K</td>
<td>2GA81H1KD</td>
<td>5.4</td>
</tr>
<tr>
<td>L</td>
<td>1GA71G1LD</td>
<td>3</td>
</tr>
</tbody>
</table>

Customer____________________________________

Pump Item____________________________________

Condition of Service  Impeller Diameter ________
__________________ GPM ________TDH ________EFF%

Certified for:  Approval [ ]

By ___________ Date ___________  Record [ ]
### 3Ø Composite Curves

<table>
<thead>
<tr>
<th>Impeller Code</th>
<th>Order Number</th>
<th>HP</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>2GA-1K.AD</td>
<td>11</td>
</tr>
<tr>
<td>B</td>
<td>1GA-1J.BD</td>
<td>6</td>
</tr>
<tr>
<td>C</td>
<td>1GA-1H.CD</td>
<td>4</td>
</tr>
<tr>
<td>D</td>
<td>2GA-1K-DD</td>
<td>11</td>
</tr>
<tr>
<td>E</td>
<td>2GA-1J.ED</td>
<td>6</td>
</tr>
</tbody>
</table>

Customer______________________________________

Pump Item_____________________________________

Condition of Service  Impeller Diameter _________
GPM _________TDH _________EFF%

Certified for: Approval □
By ____________ Date ___________ Record □
1GA 3 HP Single Phase "H" Curve

- **NAN**
- **MICHE**
- **TOOL**
- **TDY**
- **NAN**
- **AMI**
- **CHE**

**FEET**

- **FT**
- **100**
- **90**
- **80**
- **70**
- **60**
- **50**
- **40**
- **30**
- **20**
- **10**
- **0**

**TOTAL DYNAMIC HEAD**

- **Ft**
- **0**
- **100**
- **90**
- **80**
- **70**
- **60**
- **50**
- **40**
- **30**
- **20**
- **10**
- **0**

**FLOW GPM**

- **GPM**
- **0**
- **10**
- **20**
- **30**
- **40**
- **50**
- **60**
- **70**
- **80**
- **90**
- **100**

**SERIES:** 1GA
**DISCHARGE:** 1½"
**HP:** 3 Single Phase
**IMPELLER:** “H”

- **T** = Best Efficiency
- **L** = Limited to intermittent duty below this point
- **C** = Cavitation limit
1GA 3 HP Single Phase "L" Curve

- **SERIES:** 1GA
- **DISCHARGE:** 1½"
- **HP:** 3 Single Phase
- **IMPELLER:** "L"

- **FLOW GPM**
- **TOTAL DYNAMIC HEAD**
- **FEET**

Legend:
- □ = Best Efficiency
- \(L\) = Limited to intermittent duty below this point
- \(C\) = Cavitation limit
1GA 5.4 HP Single Phase "G" Curve

FEET

TOTAL DYNAMIC HEAD

FLOW GPM

SERIES: 1GA
DISCHARGE: 1½"
HP: 5.4 Single Phase
IMPELLER: "G"

L = Limited to intermittent duty below this point
2GA 5.4 HP Single Phase "K" Curve

= Best Efficiency
L = Limited to intermittent duty below this point
2GA 9.4 HP Single Phase "F" Curve

- **SERIES:** 2GA
- **DISCHARGE:** 2"
- **HP:** 9.4 Single Phase
- **IMPELLER:** "F"

- **F** = Best Efficiency
- **L** = Limited to intermittent duty below this point
- **S** = Risk of sedimentation at velocity below 2 ft./sec.

**Graph Details:**
- **FLOW GPM**
- **TOTAL DYNAMIC HEAD**
- **FEET**

- 0 to 120 GPM
- 0 to 110 FEET
- 0 to 240 GPM
- 0 to 240 FEET

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Goulds Water Technology

Wastewater
2GA 9.4 HP Single Phase "J" Curve

SERIES: 2GA
DISCHARGE: 2"
HP: 9.4 Single Phase
IMPELLER: “J”

FLOW GPM

= Best Efficiency
L = Limited to intermittent duty below this point
C = Cavitation limit
1GA 4 HP Three Phase "C" Curve

- **FEET**: 130
- **FLOW GPM**
- **TOTAL DYNAMIC HEAD**: 0 to 130
- **SERIES**: 1GA
- **DISCHARGE**: 1 1/2"
- **HP**: 4 Three Phase
- **IMPELLER**: "C"

Legend:
- □ = Best Efficiency
- L = Limited to intermittent duty below this point
- C = Cavitation limit
1GA 6 HP Three Phase "B" Curve

FEET

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

TOTAL DYNAMIC HEAD

FLOW GPM

 SERIES: 1GA
 DISCHARGE: 1½"
 HP: 6 Three Phase
 IMPELLER: “B”

= Best Efficiency
L = Limited to intermittent duty below this point
2GA 6 HP Three Phase "E" Curve

 SERIES: 2GA
 DISCHARGE: 2"
 HP: 6 Three Phase
 IMPELLER: “E”

FLOW GPM
0 20 40 60 80 100 120 140 160 180

TOTAL DYNAMIC HEAD
0 10 20 30 40 50 60 70 80

FEET
0 20 40 60 70 80

= Best Efficiency
L = Limited to intermittent duty below this point
2GA 11 HP Three Phase "A" Curve

SERIES: 2GA
DISCHARGE: 2"
HP: 11 Three Phase
IMPELLER: “A”

= Best Efficiency
L = Limited to intermittent duty below this point
C = Cavitation limit
2GA 11 HP Three Phase "D" Curve

FEET

TOTAL DYNAMIC HEAD

FLOW GPM

SERIES: 2GA
DISCHARGE: 2"
HP: 11 Three Phase
IMPELLER: “D”

= Best Efficiency
L = Limited to intermittent duty below this point
Xylem |ˈzɪləm|

1) The tissue in plants that brings water upward from the roots;  
2) a leading global water technology company.

We’re 12,500 people unified in a common purpose: creating innovative solutions to meet our world’s water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

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