

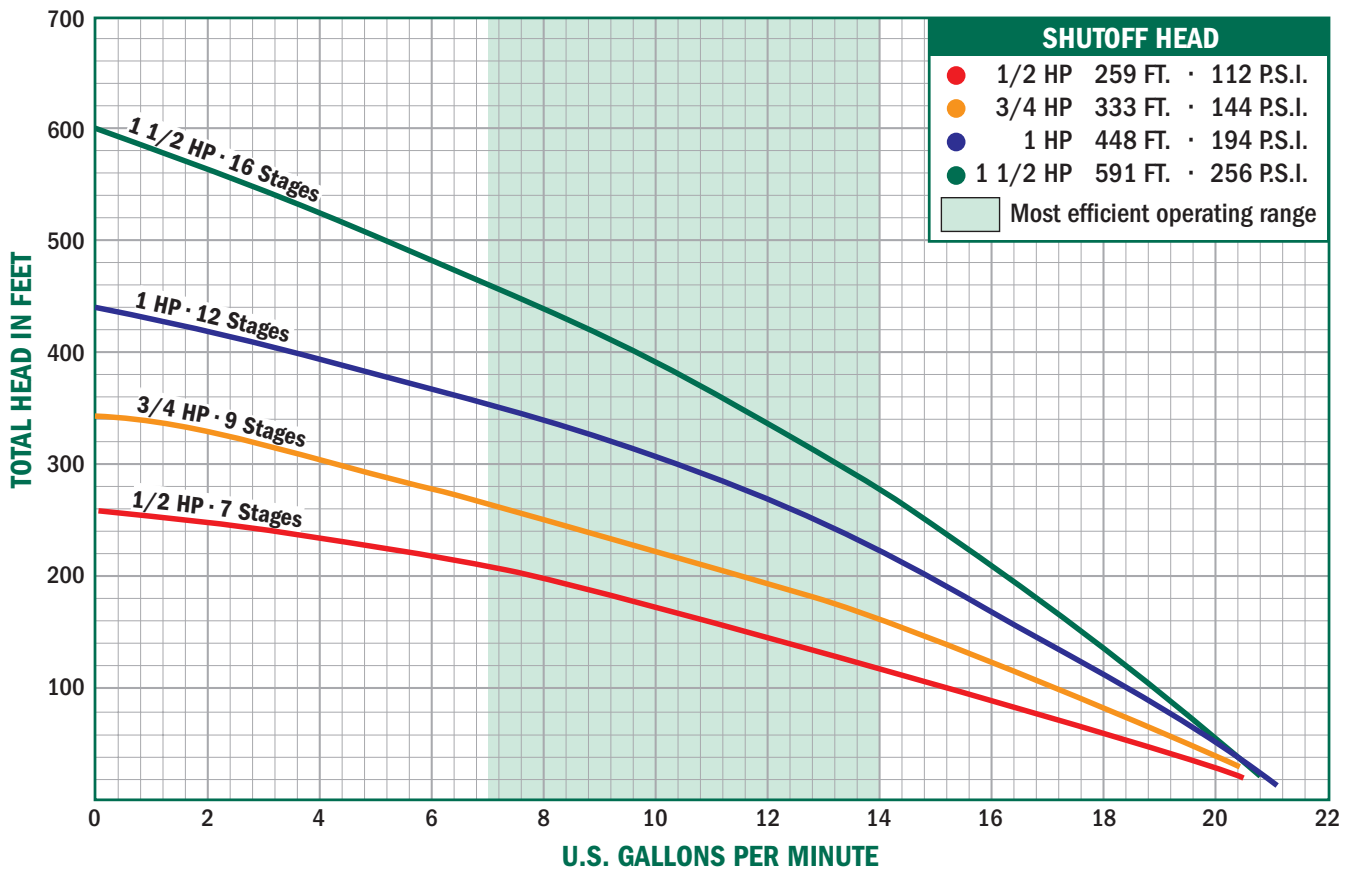
# SUBMITTAL DATA SHEET

22000 Series  
 4" No-Lead Thermoplastic Submersible Pumps  
**K - 10 GPM**



A.Y. McDonald offers a full line of thermoplastic submersible pumps built for years of trouble free operation, with high-efficiency impellers and diffusers. These submersibles offer peak capacity performance in 5, 7, 10, 15, 20, and 25 gallons per minute (GPM). Other features include thermoplastic discharge head with a built-in check valve, and stainless steel shaft and coupling.

All Thermoplastic pumps have 1 1/4" discharge with internal check valve and sizes range from 1/2 to 1 1/2 horsepower (HP). Two or three wire models up to 1 1/2 horsepower (HP).



**NO-LEAD:** The weighted average of the wetted surface of this no-lead product contacted by consumable water contains less than one quarter of one percent (0.25%) lead.



**A.Y. McDonald Mfg. Co.**  
 4800 Chavenelle Rd  
 Dubuque, IA 52002

**Toll Free:** 1-800-292-2737  
 sales@aymcdonald.com  
 aymcdonald.com

A.Y. McDonald considers the information on this assembly drawing correct when published. Item and option availability, including specifications, are subject to change without notice.

**Submitted by:**

# SUBMITTAL DATA SHEET

## 22000 Series 4" No-Lead Thermoplastic Submersible Pumps K - 10 GPM



### Two Wire Single Phase

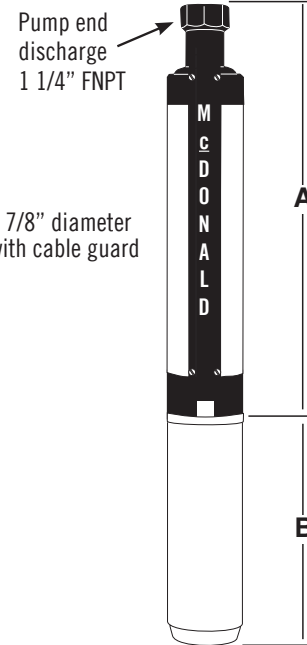
| Part No. | Model No. | HP    | Stages | Volt | A     | B     | Wt.  |
|----------|-----------|-------|--------|------|-------|-------|------|
| 6634-149 | 22050K2A  | 1/2   | 7      | 115  | 12.3" | 13.4" | 27.0 |
| 6634-148 | 22050K2   | 1/2   | 7      | 230  | 12.3" | 13.0" | 26.1 |
| 6634-161 | 22075K2   | 3/4   | 9      | 230  | 13.7" | 13.8" | 29.2 |
| 6634-165 | 22100K2   | 1     | 12     | 230  | 16.0" | 16.8" | 35.8 |
| 6634-172 | 22150K2   | 1 1/2 | 16     | 230  | 19.7" | 18.5" | 41.0 |

### Three Wire Single Phase

| Part No. | Model No. | HP    | Stages | Volt | A     | B     | Wt.  |
|----------|-----------|-------|--------|------|-------|-------|------|
| 6634-157 | 22050K3A  | 1/2   | 7      | 115  | 12.3" | 9.5"  | 26.1 |
| 6634-156 | 22050K3   | 1/2   | 7      | 230  | 12.3" | 10.5" | 26.0 |
| 6634-162 | 22075K3   | 3/4   | 9      | 230  | 13.7" | 11.3" | 29.8 |
| 6634-169 | 22100K3   | 1     | 12     | 230  | 16.0" | 13.6" | 33.3 |
| 6634-174 | 22150K3   | 1 1/2 | 16     | 230  | 19.7" | 16.2" | 43.5 |

### 4" Thermoplastic Pump Ends

| Part No. | Model No. | HP    | Wt. |
|----------|-----------|-------|-----|
| 6634-146 | 22050K    | 1/2   | 6   |
| 6634-160 | 22075K    | 3/4   | 6   |
| 6634-164 | 22100K    | 1     | 7   |
| 6634-171 | 22150K    | 1 1/2 | 10  |



\*\* All three wire pumps are available in three phase by selecting pump end and appropriate motor and starter kit.

### Output - in Gallons Per Minute (Depth to Water)

| 1/2 HP | PSI   | 25'   | 50'   | 75'   | 100'  | 125'  | 150'  | 175' | 200' | 225' | 250' |
|--------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
|        | 0     | 19.90 | 18.49 | 16.99 | 15.40 | 13.69 | 11.84 | 9.79 | 7.49 | 4.78 | 1.32 |
| 30     | 15.77 | 14.09 | 12.27 | 10.28 | 8.04  | 5.44  | 2.21  |      |      |      |      |
| 40     | 14.22 | 12.42 | 10.44 | 8.22  | 5.66  | 2.49  |       |      |      |      |      |
| 50     | 12.56 | 10.60 | 8.40  | 5.87  | 2.76  |       |       |      |      |      |      |
| 60     | 10.75 | 8.58  | 6.08  | 3.03  |       |       |       |      |      |      |      |

| 3/4 HP | PSI   | 25'   | 50'   | 75'   | 100'  | 125'  | 150'  | 175'  | 200'  | 225' | 250' | 275' | 300' | 325' |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
|        | 0     | 20.36 | 19.26 | 18.12 | 16.93 | 15.67 | 14.35 | 12.95 | 11.45 | 9.83 | 8.05 | 6.06 | 3.75 | 0.89 |
| 30     | 17.20 | 15.97 | 14.66 | 13.28 | 11.80 | 10.21 | 8.47  | 6.54  | 4.31  | 1.61 |      |      |      |      |
| 40     | 16.06 | 14.76 | 13.39 | 11.92 | 10.34 | 8.61  | 6.69  | 4.49  | 1.84  |      |      |      |      |      |
| 50     | 14.86 | 13.49 | 12.03 | 10.46 | 8.75  | 6.85  | 4.67  | 2.07  |       |      |      |      |      |      |
| 60     | 13.60 | 12.15 | 10.59 | 8.89  | 7.00  | 4.85  | 2.29  |       |       |      |      |      |      |      |

| 1 HP | PSI   | 25'   | 50'   | 75'   | 100'  | 125'  | 150'  | 175'  | 200'  | 225'  | 250'  | 275'  | 300'  | 325' | 350' | 375' | 400' | 425' |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
|      | 0     | 20.86 | 20.05 | 19.22 | 18.36 | 17.47 | 16.55 | 15.60 | 14.61 | 13.57 | 12.48 | 11.33 | 10.10 | 8.79 | 7.37 | 5.81 | 4.06 | 2.00 |
| 30   | 18.56 | 17.68 | 16.77 | 15.82 | 14.84 | 13.81 | 12.73 | 11.59 | 10.39 | 9.10  | 7.71  | 6.18  | 4.48  | 2.51 | 0.09 |      |      |      |
| 40   | 17.75 | 16.84 | 15.89 | 14.91 | 13.89 | 12.81 | 11.68 | 10.48 | 9.20  | 7.82  | 6.30  | 4.61  | 2.67  | 0.29 |      |      |      |      |
| 50   | 16.91 | 15.97 | 14.99 | 13.97 | 12.90 | 11.77 | 10.58 | 9.30  | 7.93  | 6.42  | 4.75  | 2.83  | 0.50  |      |      |      |      |      |
| 60   | 16.04 | 15.06 | 14.05 | 12.98 | 11.86 | 10.67 | 9.40  | 8.04  | 6.54  | 4.89  | 2.99  | 0.70  |       |      |      |      |      |      |

| 1 1/2 HP | PSI   | 50'   | 100'  | 150'  | 200'  | 250'  | 300'  | 350'  | 400' | 450' | 500' | 550' |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
|          | 0     | 20.18 | 18.95 | 17.66 | 16.31 | 14.87 | 13.34 | 11.69 | 9.89 | 7.88 | 5.58 | 2.80 |
| 30       | 18.46 | 17.15 | 15.76 | 14.29 | 12.72 | 11.01 | 9.14  | 7.03  | 4.58 | 1.51 |      |      |
| 40       | 17.86 | 16.52 | 15.09 | 13.58 | 11.95 | 10.17 | 8.20  | 5.95  | 3.27 |      |      |      |
| 50       | 17.25 | 15.87 | 14.41 | 12.84 | 11.15 | 9.29  | 7.20  | 4.78  | 1.78 |      |      |      |
| 60       | 16.62 | 15.21 | 13.70 | 12.08 | 10.31 | 8.36  | 6.14  | 3.49  | 0.02 |      |      |      |

FRICITION LOSSES IN RISER PIPE  
HAVE NOT BEEN CALCULATED

NO-LEAD: The weighted average of the wetted surface of this no-lead product contacted by consumable water contains less than one quarter of one percent (0.25%) lead.



A.Y. McDonald Mfg. Co.  
4800 Chavenelle Rd  
Dubuque, IA 52002

Toll Free: 1-800-292-2737  
sales@aymcdonald.com  
aymcdonald.com

A.Y. McDonald considers the information on this assembly drawing correct when published. Item and option availability, including specifications, are subject to change without notice.

Submitted by: