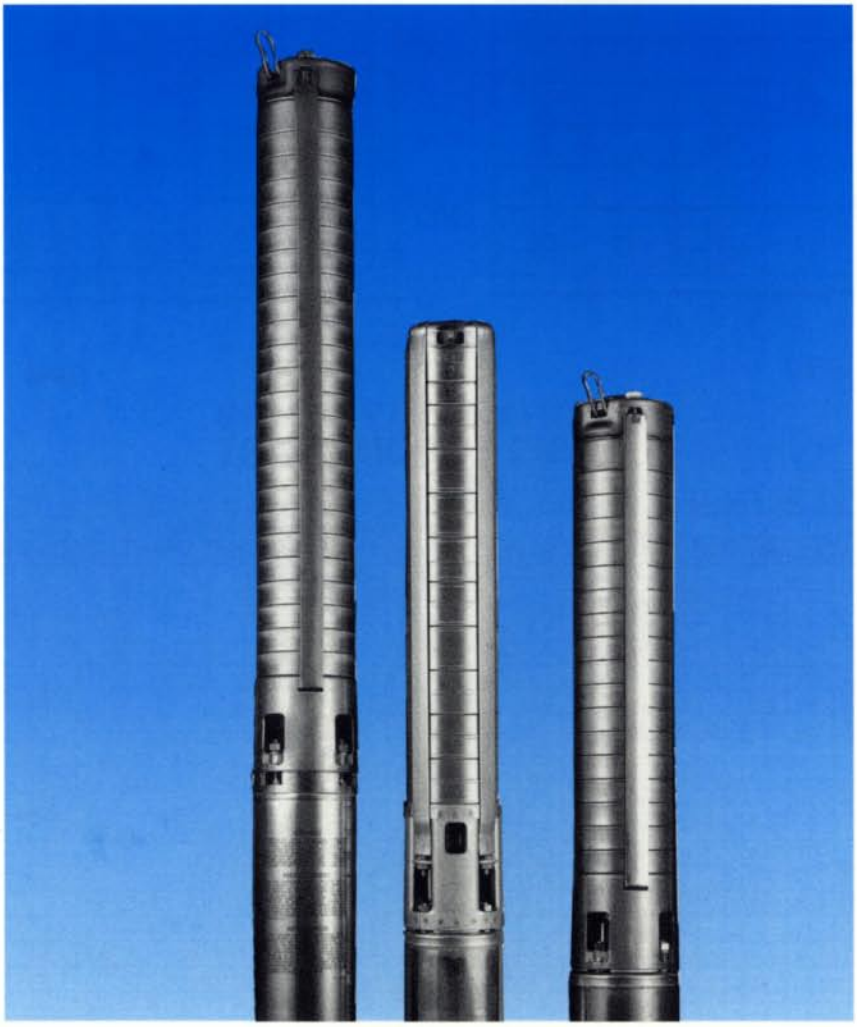
Unitra

# 4" STAINLESS STEEL SUBMERSIBLE PUMPS

*Recommended for Pumping Clear Water*

**3600 RPM - 60 Hz**

**5 - 10 - 18 - 25 - 40 - 70 GPM**



## Quality Features

- STAINLESS STEEL CONSTRUCTION DESIGNED AND BUILT FOR YEARS OF TROUBLE FREE OPERATION
- STAINLESS STEEL DISCHARGE HEAD WITH BUILT-IN CHECK VALVE
- HIGH-EFFICIENCY STAINLESS STEEL IMPELLERS & DIFFUSERS
- STAINLESS STEEL SUCTION SCREEN
- STAINLESS STEEL SHAFT & COUPLING
- STAINLESS STEEL NEMA FACED MOUNTING BRACKET

OUR PUMPS ARE POWERED BY Franklin Electric

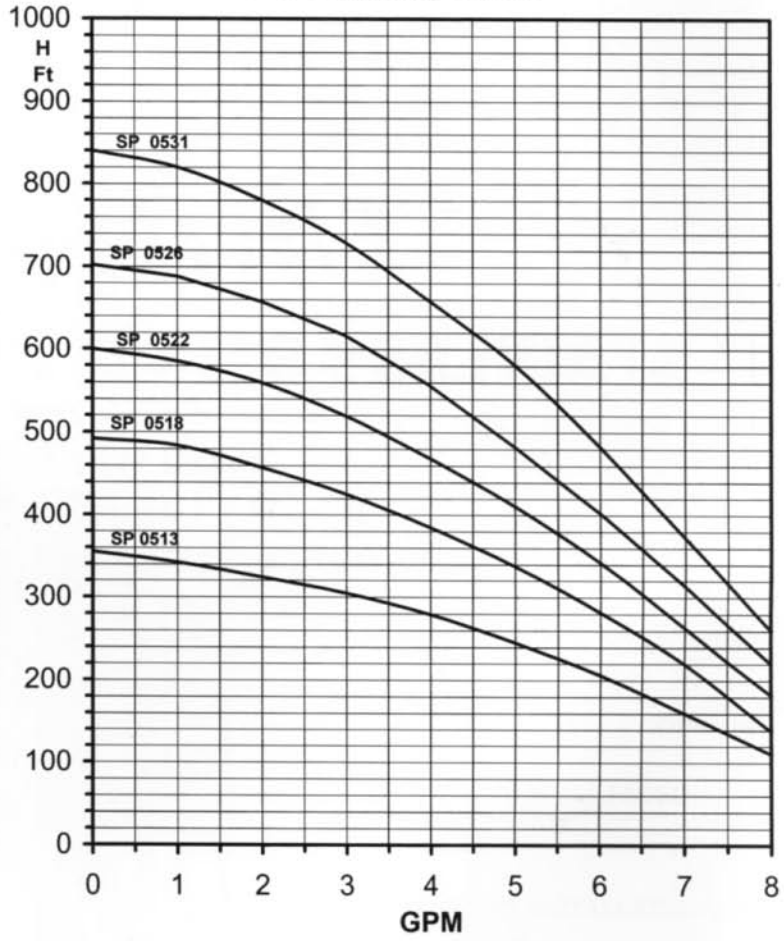
# Unitra

**MODEL SP 05**
**60HZ - 3450RPM**

## 5 GPM 1/2 - 1 1/2 HP 1-1/4" DISCHARGE

| Model | HP | Stages | Phase | Length Inch | | Weight Lbs | |
|---|---|---|---|---|---|---|---|
| | | | | Pump | Motor | Pump | Motor |
| SP-0513 | 1/2 | 13 | 1 | 16.8 | 9.5 | 8.4 | 18 |
| SP-0518 | 3/4 | 18 | 1 | 21.0 | 10.7 | 10.6 | 21 |
| SP-0522 | 1 | 22 | 1 | 24.3 | 11.8 | 12.1 | 23 |
| SP-0526 | 1 1/2 | 26 | 1 | 27.5 | 13.6 | 13.7 | 27 |
| | | | 3 | | 11.8 | | 26 |
| SP-0531 | 1 1/2 | 31 | 1 | 31.7 | 13.6 | 15.9 | 27 |
| | | | 3 | | 11.8 | | 26 |

## PERFORMANCE CURVE




## SELECTION CHART

| Pump Model | HP | PSI | Depth to Water in Feet (GPM) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 340 | 380 | 420 | 460 | 500 | 540 | 580 | 620 | 660 | 700 | 740 | 780 | |
| SP-0513 | ½ | 0 | | | | | | | 7.4 | 6.9 | 6.5 | 6.0 | 5.5 | 5.1 | 4.6 | 4.1 | 3.4 | | | | | | | | | | | | | |
| | | 20 | | | | | 7.2 | 6.8 | 6.3 | 5.8 | 5.4 | 4.9 | 4.5 | 3.9 | 3.2 | 2.2 | | | | | | | | | | | | | | |
| | | 30 | | | | 7.2 | 6.7 | 6.2 | 5.8 | 5.3 | 4.9 | 4.4 | 3.8 | 3.1 | 2.0 | | | | | | | | | | | | | | | |
| | | 40 | | 7.5 | 7.1 | 6.6 | 6.2 | 5.7 | 5.2 | 4.8 | 4.3 | 3.7 | 2.9 | 1.8 | | | | | | | | | | | | | | | | |
| | | 50 | 7.5 | 7.0 | 6.6 | 6.1 | 5.6 | 5.2 | 4.7 | 4.2 | 3.6 | 2.8 | 1.5 | | | | | | | | | | | | | | | | | |
| | | 60 | 7.0 | 6.5 | 6.0 | 5.6 | 5.1 | 4.6 | 4.1 | 3.5 | 2.6 | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 144 | 135 | 126 | 118 | 109 | 101 | 92 | 83 | 75 | 66 | 57 | 49 | 40 | 31 | 23 | | | | | | | | | | | | | |
| SP-0518 | ¾ | 0 | | | | | | | | 7.9 | 7.6 | 7.3 | 7.0 | 6.6 | 6.3 | 5.9 | 5.6 | 4.9 | 4.2 | 3.3 | 1.8 | | | | | | | | | |
| | | 20 | | | | | | 7.8 | 7.5 | 6.8 | 6.5 | 6.2 | 5.8 | 5.5 | 5.2 | 4.8 | 4.1 | 3.1 | 1.4 | | | | | | | | | | | |
| | | 30 | | | | | 7.8 | 7.5 | 7.1 | 6.8 | 6.5 | 6.1 | 5.8 | 5.4 | 5.1 | 4.8 | 4.4 | 3.6 | 2.3 | | | | | | | | | | | |
| | | 40 | | | | 7.7 | 7.4 | 7.1 | 6.7 | 6.4 | 6.1 | 5.7 | 5.4 | 5.1 | 4.7 | 4.4 | 4.0 | 2.9 | 1.1 | | | | | | | | | | | |
| | | 50 | | | 7.7 | 7.4 | 7.0 | 6.7 | 6.3 | 6.0 | 5.7 | 5.3 | 5.0 | 4.7 | 4.3 | 3.9 | 3.4 | 2.0 | | | | | | | | | | | | |
| | | 60 | | 7.6 | 7.3 | 7.0 | 6.6 | 6.3 | 6.0 | 5.6 | 5.3 | 5.0 | 4.6 | 4.3 | 3.9 | 3.4 | 2.7 | | | | | | | | | | | | | |
| Shut-off PSI | | | 202 | 193 | 185 | 176 | 167 | 159 | 150 | 141 | 133 | 124 | 116 | 107 | 98 | 90 | 81 | 64 | 46 | 29 | 12 | | | | | | | | | |
| SP-0522 | 1 | 0 | | | | | | | | | | | 7.6 | 7.3 | 7.1 | 6.8 | 6.5 | 6.0 | 5.4 | 4.9 | 4.3 | 3.6 | 2.6 | | | | | | | |
| | | 20 | | | | | | | | | 7.5 | 7.3 | 7.0 | 6.7 | 6.4 | 6.2 | 5.9 | 5.3 | 4.8 | 4.2 | 3.5 | 2.4 | | | | | | | | |
| | | 30 | | | | | | | | 7.5 | 7.2 | 6.9 | 6.7 | 6.4 | 6.1 | 5.8 | 5.6 | 5.0 | 4.5 | 3.8 | 2.9 | 1.5 | | | | | | | | |
| | | 40 | | | | | | | 7.4 | 7.2 | 6.9 | 6.6 | 6.3 | 6.1 | 5.8 | 5.5 | 5.2 | 4.7 | 4.1 | 3.3 | 2.2 | | | | | | | | | |
| | | 50 | | | | | | 7.4 | 7.1 | 6.9 | 6.6 | 6.3 | 6.0 | 5.7 | 5.5 | 5.2 | 4.9 | 4.4 | 3.7 | 2.7 | 1.2 | | | | | | | | | |
| | | 60 | | | | | 7.4 | 7.1 | 6.8 | 6.5 | 6.3 | 6.0 | 5.7 | 5.4 | 5.2 | 4.9 | 4.0 | 3.2 | 1.9 | | | | | | | | | | | |
| Shut-off PSI | | | | | | | 215 | 206 | 197 | 189 | 180 | 171 | 163 | 154 | 145 | 137 | 128 | 111 | 94 | 76 | 59 | 42 | 24 | | | | | | | |
| SP-0526 | 1½ | 0 | | | | | | | | | | | | 7.8 | 7.6 | 7.4 | 7.2 | 6.7 | 6.2 | 5.7 | 5.3 | 4.8 | 4.4 | 3.8 | 3.0 | 1.9 | | | |
| | | 20 | | | | | | | | | | | 7.5 | 7.3 | 7.1 | 6.9 | 6.6 | 6.1 | 5.7 | 5.2 | 4.8 | 4.3 | 3.7 | 2.9 | 1.7 | | | | | |
| | | 30 | | | | | | | | | | 7.5 | 7.3 | 7.1 | 6.8 | 6.6 | 6.3 | 5.9 | 5.4 | 5.0 | 4.5 | 4.0 | 3.3 | 2.3 | | | | | | |
| | | 40 | | | | | | | | | 7.5 | 7.2 | 7.0 | 6.8 | 6.5 | 6.3 | 6.1 | 5.6 | 5.2 | 4.7 | 4.2 | 3.6 | 2.7 | 1.5 | | | | | | |
| | | 40 | | | | | | | | 7.4 | 7.2 | 7.0 | 6.7 | 6.5 | 6.3 | 6.0 | 5.8 | 5.3 | 4.9 | 4.4 | 3.9 | 3.1 | 2.1 | | | | | | | |
| | | 60 | | | | | | | 7.4 | 7.2 | 6.9 | 6.7 | 6.5 | 6.2 | 6.0 | 5.8 | 5.5 | 5.1 | 4.6 | 4.1 | 3.5 | 2.6 | | | | | | | | |
| Shut-off PSI | | | | | | | | | 244 | 235 | 226 | 218 | 209 | 201 | 192 | 183 | 175 | 157 | 140 | 123 | 105 | 88 | 71 | 53 | 36 | 19 | | | | |
| SP-0531 | 1½ | 0 | | | | | | | | | | | | | | | 7.7 | 7.3 | 6.9 | 6.5 | 6.2 | 5.8 | 5.4 | 5.0 | 4.6 | 4.2 | 3.7 | 3.0 | 2.1 | |
| | | 20 | | | | | | | | | | | | | | 7.4 | 7.3 | 6.9 | 6.5 | 6.1 | 5.7 | 5.3 | 4.9 | 4.5 | 4.1 | 3.6 | 2.9 | 1.9 | | |
| | | 30 | | | | | | | | | | | | | 7.4 | 7.2 | 7.0 | 6.7 | 6.3 | 5.9 | 5.5 | 5.1 | 4.7 | 4.3 | 3.8 | 3.2 | 2.4 | 1.2 | | |
| | | 40 | | | | | | | | | | | | 7.4 | 7.2 | 7.0 | 6.8 | 6.4 | 6.0 | 5.6 | 5.3 | 4.9 | 4.5 | 4.0 | 3.5 | 2.8 | 1.8 | | | |
| | | 50 | | | | | | | | | | 7.5 | 7.4 | 7.2 | 7.0 | 6.8 | 6.6 | 6.2 | 5.8 | 5.4 | 5.0 | 4.7 | 4.2 | 3.7 | 3.1 | 2.2 | | | | |
| | | 60 | | | | | | | | | 7.5 | 7.3 | 7.1 | 7.0 | 6.8 | 6.6 | 6.4 | 6.0 | 5.6 | 5.2 | 4.8 | 4.4 | 4.0 | 3.4 | 2.6 | 1.6 | | | | |
| Shut-off PSI | | | | | | | | | | | 285 | 276 | 268 | 259 | 250 | 242 | 233 | 216 | 198 | 181 | 164 | 146 | 129 | 112 | 95 | 77 | 60 | 43 | 25 | |

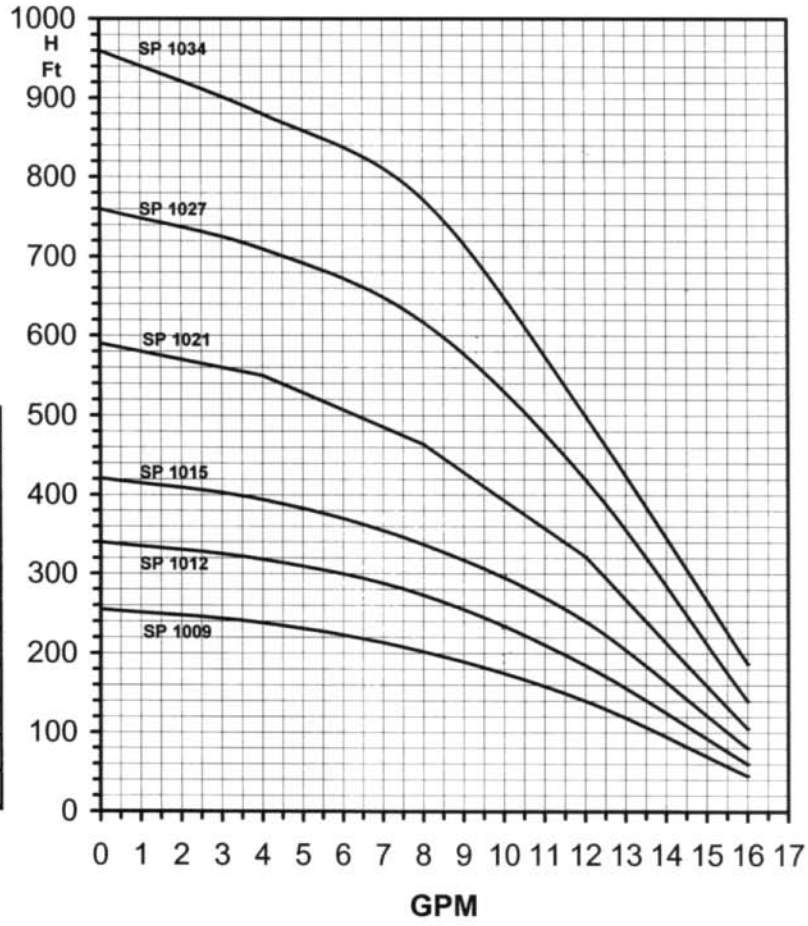
# Unitra

## MODEL SP 10
## 60HZ - 3450RPM

**10 GPM** **1/2 - 3 HP** 1-1/4" DISCHARGE

| Model | HP | Stages | Phase | Length Inch | | Weight Lbs | |
|---|---|---|---|---|---|---|---|
| | | | | Pump | Motor | Pump | Motor |
| SP-1009 | 1/2 | 9 | 1 | 13.5 | 9.5 | 6.9 | 18 |
| SP-1012 | 3/4 | 12 | 1 | 16.0 | 10.7 | 8.0 | 21 |
| SP-1015 | 1 | 15 | 1 | 18.5 | 11.8 | 9.3 | 23 |
| SP-1021 | 1 1/2 | 21 | 1 | 23.5 | 13.6 | 12.6 | 27 |
| | | | 3 | | 11.8 | | 26 |
| SP-1027 | 2 | 27 | 1 | 28.4 | 15.1 | 15.0 | 30 |
| | | | 3 | | 13.6 | | 28 |
| SP-1034 | 3 | 34 | 1 | 34.2 | 23.5 | 19.0 | 54 |
| | | | 3 | | 20.6 | | 44 |

## PERFORMANCE CURVE




## SELECTION CHART

| Pump Model | HP | PSI | Depth to Water in Feet (GPM) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 340 | 380 | 420 | 460 | 500 | 540 | 580 | 620 | 660 | 700 | 740 | 780 | 820 | 860 | 900 | | | | | |
| SP-1009 | ½ | 0 | | 16.2 | 15.5 | 14.8 | 14.0 | 13.1 | 12.1 | 11.0 | 9.8 | 8.3 | 6.3 | 3.1 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 20 | 15.3 | 14.6 | 13.7 | 12.8 | 11.7 | 10.6 | 9.4 | 7.8 | 5.4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 30 | 14.4 | 13.6 | 12.6 | 11.6 | 10.4 | 9.1 | 7.5 | 5.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 40 | 13.4 | 12.4 | 11.4 | 10.3 | 8.9 | 7.1 | 4.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 50 | 12.3 | 11.2 | 10.1 | 8.7 | 6.8 | 4.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 60 | 11.1 | 9.9 | 8.4 | 6.4 | 3.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 101 | 92 | 84 | 75 | 66 | 58 | 49 | 41 | 32 | 23 | 15 | 6 | | | | | | | | | | | | | | | | | | | | | | | |
| SP-1012 | ¾ | 0 | | | 16.0 | 15.5 | 15.0 | 14.4 | 13.8 | 13.1 | 12.3 | 11.5 | 10.7 | 9.8 | 8.7 | 7.4 | 5.6 | | | | | | | | | | | | | | | | | | | | | |
| | | 20 | 15.9 | 15.4 | 14.8 | 14.2 | 13.5 | 12.8 | 12.1 | 11.3 | 10.4 | 9.5 | 8.3 | 6.9 | 4.9 | 2.2 | | | | | | | | | | | | | | | | | | | | | |
| | | 30 | 15.3 | 14.7 | 14.1 | 13.4 | 12.7 | 12.0 | 11.1 | 10.3 | 9.3 | 8.1 | 6.6 | 4.6 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 40 | 14.6 | 14.0 | 13.3 | 12.6 | 11.8 | 11.0 | 10.1 | 9.1 | 7.9 | 6.3 | 4.2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 50 | 13.9 | 13.2 | 12.5 | 11.7 | 10.9 | 10.0 | 9.0 | 7.7 | 6.0 | 3.8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 60 | 13.1 | 12.4 | 11.6 | 10.8 | 9.8 | 8.8 | 7.5 | 5.7 | 3.3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 138 | 129 | 120 | 112 | 103 | 94 | 86 | 77 | 68 | 60 | 51 | 42 | 34 | 25 | 16 | | | | | | | | | | | | | | | | | | | | |
| SP-1015 | 1 | 0 | | | | 16.0 | 15.8 | 15.5 | 15.0 | 14.5 | 13.9 | 13.2 | 12.5 | 11.8 | 11.2 | 10.5 | 9.8 | 8.0 | 5.2 | | | | | | | | | | | | | | | | | | | |
| | | 20 | | 15.9 | 15.7 | 15.3 | 14.9 | 14.3 | 13.7 | 13.0 | 12.3 | 11.6 | 10.9 | 10.3 | 9.5 | 8.7 | 7.6 | 4.6 | | | | | | | | | | | | | | | | | | | |
| | | 30 | 15.9 | 15.6 | 15.3 | 14.8 | 14.2 | 13.6 | 12.9 | 12.2 | 11.5 | 10.8 | 10.1 | 9.4 | 8.5 | 7.4 | 6.1 | | | | | | | | | | | | | | | | | | | | |
| | | 40 | 15.6 | 15.2 | 14.7 | 14.1 | 13.5 | 12.8 | 12.1 | 11.4 | 10.7 | 10.0 | 9.3 | 8.4 | 7.3 | 5.8 | 4.0 | | | | | | | | | | | | | | | | | | | | |
| | | 50 | 15.1 | 14.6 | 14.0 | 13.4 | 12.7 | 12.0 | 11.3 | 10.6 | 9.9 | 9.1 | 8.2 | 7.1 | 5.6 | 3.6 | | | | | | | | | | | | | | | | | | | | | |
| | | 60 | 14.5 | 13.9 | 13.2 | 12.6 | 11.9 | 11.2 | 10.5 | 9.8 | 9.0 | 8.1 | 6.9 | 5.3 | 3.3 | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 174 | 166 | 157 | 148 | 140 | 131 | 122 | 114 | 105 | 96 | 88 | 79 | 70 | 62 | 53 | 36 | 18 | | | | | | | | | | | | | | | | | | |
| SP-1021 | 1½ | 0 | | | | | | 15.8 | 15.5 | 15.2 | 14.9 | 14.6 | 14.2 | 13.9 | 13.5 | 13.1 | 12.6 | 11.8 | 10.8 | 9.8 | 8.5 | 6.9 | 4.6 | | | | | | | | | | | | | | |
| | | 20 | | | 16.0 | 15.7 | 15.4 | 15.1 | 14.8 | 14.5 | 14.1 | 13.7 | 13.3 | 12.9 | 12.5 | 12.1 | 11.6 | 10.7 | 9.6 | 8.3 | 6.6 | 4.2 | | | | | | | | | | | | | | | |
| | | 30 | | 16.0 | 15.7 | 15.4 | 15.1 | 14.8 | 14.4 | 14.1 | 13.7 | 13.3 | 12.9 | 12.4 | 12.0 | 11.5 | 11.1 | 10.1 | 8.9 | 7.4 | 5.3 | 2.3 | | | | | | | | | | | | | | | |
| | | 40 | 15.9 | 15.6 | 15.4 | 15.0 | 14.7 | 14.4 | 14.0 | 13.6 | 13.2 | 12.8 | 12.4 | 11.9 | 11.5 | 11.0 | 10.5 | 9.4 | 8.1 | 6.3 | 3.7 | | | | | | | | | | | | | | | | |
| | | 50 | 15.6 | 15.3 | 15.0 | 14.7 | 14.3 | 13.9 | 13.6 | 13.2 | 12.7 | 12.3 | 11.9 | 11.4 | 10.9 | 10.4 | 9.9 | 8.7 | 7.1 | 4.9 | | | | | | | | | | | | | | | | | |
| | | 60 | 15.3 | 14.9 | 14.6 | 14.3 | 13.9 | 13.5 | 13.1 | 12.7 | 12.2 | 11.8 | 11.3 | 10.9 | 10.4 | 9.8 | 9.2 | 7.9 | 6.0 | 3.2 | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 247 | 239 | 230 | 222 | 213 | 204 | 196 | 187 | 178 | 170 | 161 | 152 | 144 | 135 | 126 | 109 | 92 | 74 | 57 | 40 | 22 | | | | | | | | | | | | | | |
| SP-1027 | 2 | 0 | | | | | 16.4 | 16.2 | 16.0 | 15.8 | 15.5 | 15.3 | 15.1 | 14.8 | 14.6 | 14.3 | 14.0 | 13.4 | 12.7 | 12.1 | 11.3 | 10.6 | 9.8 | 8.8 | 7.7 | 6.3 | 4.3 | | | | | | | | | | |
| | | 20 | | | | | 15.9 | 15.7 | 15.5 | 15.2 | 15.0 | 14.7 | 14.5 | 14.2 | 13.9 | 13.6 | 13.3 | 12.6 | 11.9 | 11.2 | 10.5 | 9.6 | 8.7 | 7.5 | 6.0 | 4.0 | | | | | | | | | | | |
| | | 30 | | | | 15.9 | 15.7 | 15.2 | 15.0 | 14.7 | 14.4 | 14.1 | 13.8 | 13.5 | 13.2 | 12.9 | 12.2 | 11.5 | 10.8 | 10.0 | 9.1 | 8.0 | 6.7 | 4.9 | 2.5 | | | | | | | | | | | | |
| | | 40 | | 16.0 | 15.8 | 15.6 | 15.2 | 14.9 | 14.7 | 14.4 | 14.1 | 13.8 | 13.5 | 13.2 | 12.9 | 12.5 | 11.8 | 11.1 | 10.4 | 9.5 | 8.5 | 7.3 | 5.7 | 3.6 | | | | | | | | | | | | |
| | | 50 | 16.0 | 15.8 | 15.6 | 15.4 | 15.1 | 14.9 | 14.6 | 14.3 | 14.1 | 13.8 | 13.4 | 13.1 | 12.8 | 12.5 | 12.1 | 11.4 | 10.7 | 9.9 | 9.0 | 7.8 | 6.4 | 4.6 | 2.1 | | | | | | | | | | |
| | | 60 | 15.8 | 15.6 | 15.3 | 15.1 | 14.8 | 14.6 | 14.3 | 14.0 | 13.7 | 13.4 | 13.1 | 12.8 | 12.4 | 12.1 | 11.7 | 11.0 | 10.2 | 9.4 | 8.3 | 7.1 | 5.4 | 3.2 | | | | | | | | | | | | |
| Shut-off PSI | | | 321 | 312 | 303 | 295 | 286 | 277 | 269 | 260 | 251 | 243 | 234 | 225 | 217 | 208 | 199 | 182 | 165 | 148 | 130 | 113 | 96 | 78 | 61 | 44 | 26 | | | | | | | | | | |
| SP-1034 | 3 | 0 | | | | | | | | | 15.9 | 15.8 | 15.6 | 15.4 | 15.2 | 15.0 | 14.8 | 14.4 | 14.0 | 13.5 | 13.0 | 12.4 | 11.9 | 11.3 | 10.7 | 10.1 | 9.4 | 8.6 | 7.7 | 6.6 | 5.2 | 3.5 | | | |
| | | 20 | | | | | | 16.0 | 15.9 | 15.7 | 15.5 | 15.4 | 15.2 | 15.0 | 14.8 | 14.6 | 14.3 | 13.9 | 13.4 | 12.9 | 12.4 | 11.8 | 11.2 | 10.7 | 10.0 | 9.3 | 8.5 | 7.6 | 6.4 | 5.0 | 3.1 | | | | |
| | | 30 | | | | | 16.0 | 15.9 | 15.7 | 15.5 | 15.3 | 15.1 | 14.9 | 14.7 | 14.5 | 14.3 | 14.1 | 13.6 | 13.1 | 12.6 | 12.0 | 11.5 | 10.9 | 10.3 | 9.6 | 8.9 | 8.0 | 6.9 | 5.6 | 4.0 | | | | | |
| | | 40 | | | | 16.0 | 16.8 | 15.7 | 15.5 | 15.3 | 15.1 | 14.9 | 14.7 | 14.5 | 14.3 | 14.0 | 13.8 | 13.3 | 12.8 | 12.3 | 11.7 | 11.2 | 10.6 | 9.9 | 9.2 | 8.4 | 7.4 | 6.2 | 4.7 | 2.8 | | | | |
| | | 50 | | | 16.0 | 15.8 | 15.6 | 15.5 | 15.3 | 15.1 | 14.9 | 14.7 | 14.5 | 14.2 | 14.0 | 13.8 | 13.5 | 13.0 | 12.5 | 12.0 | 11.4 | 10.8 | 10.2 | 9.5 | 8.7 | 7.8 | 6.7 | 5.4 | 3.7 | | | | | | | |
| | | 60 | | 15.9 | 15.8 | 15.6 | 15.4 | 15.2 | 15.1 | 14.9 | 14.6 | 14.4 | 14.2 | 14.0 | 13.7 | 13.5 | 13.2 | 12.7 | 12.2 | 11.6 | 11.1 | 10.5 | 9.8 | 9.1 | 8.2 | 7.2 | 6.0 | 4.5 | 2.5 | | | | | | |
| Shut-off PSI | | | 406 | 397 | 389 | 380 | 371 | 363 | 354 | 345 | 337 | 328 | 319 | 311 | 302 | 293 | 285 | 268 | 250 | 233 | 216 | 198 | 181 | 164 | 146 | 129 | 112 | 94 | 77 | 60 | 42 | 25 | | | | | |

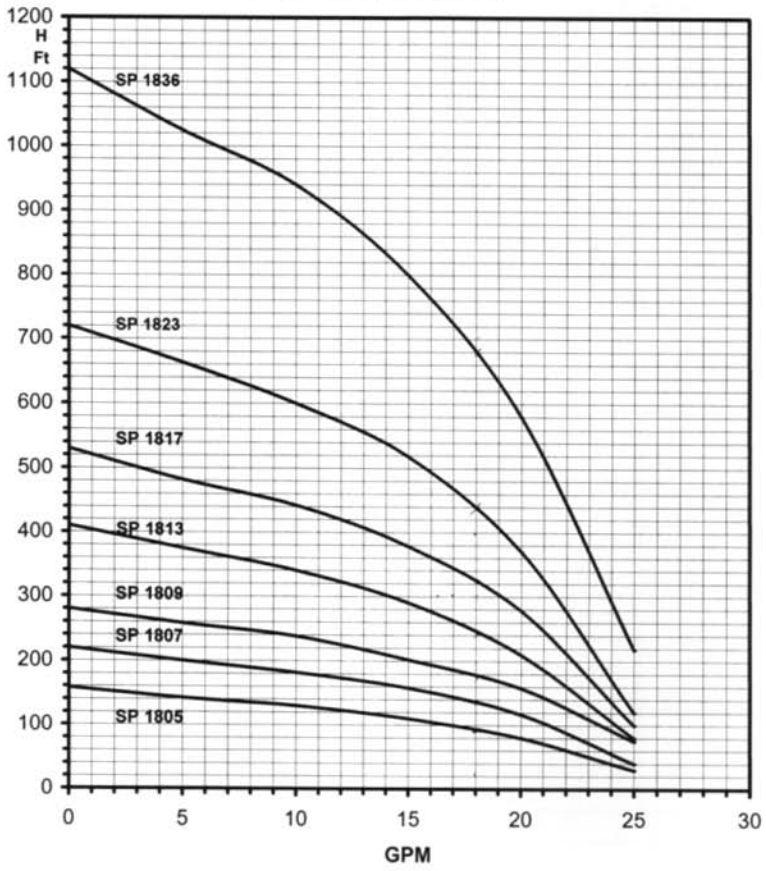
Unitra

## MODEL SP 18
## 60HZ - 3450RPM

**18 GPM** **1/2 - 5 HP** 1-1/4" DISCHARGE

| Model | HP | Stages | Phase | Length Inch | | Weight Lbs | |
|---|---|---|---|---|---|---|---|
| | | | | Pump | Motor | Pump | Motor |
| SP-1805 | 1/2 | 5 | 1 | 10.3 | 9.5 | 5.1 | 18 |
| SP-1807 | 3/4 | 7 | 1 | 11.7 | 10.7 | 6.0 | 21 |
| SP-1809 | 1 | 9 | 1 | 13.4 | 11.8 | 6.9 | 23 |
| SP-1813 | 1 1/2 | 13 | 1 | 16.9 | 13.6 | 8.6 | 27 |
| | | | 3 | | 11.8 | | 26 |
| SP-1817 | 2 | 17 | 1 | 20.2 | 15.1 | 10.4 | 30 |
| | | | 3 | | 13.6 | | 28 |
| SP-1823 | 3 | 23 | 1 | 25.1 | 23.5 | 13.0 | 54 |
| | | | 3 | | 20.6 | | 44 |
| SP-1836 | 5 | 36 | 1 | 35.9 | 29.5 | 18.7 | 65 |
| | | | 3 | | 23.5 | | 50 |

### PERFORMANCE CURVE




## SELECTION CHART

| Pump Model | HP | PSI | Depth to Water in Feet (GPM) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 340 | 380 | 420 | 460 | 500 | 540 | 580 | 620 | 660 | 700 | 740 | 780 | 820 | 860 | 900 | 940 | 980 |
| SP-1807 | ¾ | 0 | | 25.4 | 23.6 | 22.7 | 21.2 | 19.3 | 17.1 | 14.5 | 10.5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 20 | 23.4 | 22.3 | 20.7 | 18.6 | 16.4 | 13.4 | 9.0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 30 | 22.1 | 20.4 | 18.3 | 16.0 | 12.9 | 8.1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 40 | 20.0 | 18.0 | 15.6 | 12.2 | 7.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 50 | 17.6 | 15.1 | 11.6 | 6.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 60 | 14.7 | 10.9 | 5.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 86 | 77 | 69 | 60 | 51 | 43 | 34 | 25 | 17 | | | | | | | | | | | | | | | | | | | | | | | |
| SP-1809 | 1 | 0 | | | 27.7 | 24.4 | 23.4 | 22.6 | 21.3 | 19.6 | 17.7 | 15.6 | 12.8 | 9.1 | | | | | | | | | | | | | | | | | | | | |
| | | 20 | 26.2 | 24.0 | 23.2 | 22.3 | 20.8 | 19.1 | 17.1 | 14.8 | 11.8 | 7.7 | | | | | | | | | | | | | | | | | | | | | | |
| | | 30 | 23.8 | 23.1 | 22.1 | 20.6 | 18.8 | 16.8 | 14.4 | 11.2 | 7.0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 40 | 23.0 | 21.9 | 20.3 | 18.5 | 16.4 | 13.9 | 10.6 | 6.3 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 50 | 21.7 | 20.0 | 18.2 | 16.1 | 13.5 | 10.0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 60 | 19.8 | 17.9 | 15.7 | 13.0 | 9.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 113 | 104 | 95 | 87 | 78 | 69 | 61 | 52 | 43 | 35 | 26 | 17 | | | | | | | | | | | | | | | | | | | | |
| SP-1813 | 1½ | 0 | | | 27.7 | 24.9 | 23.7 | 23.2 | 22.8 | 22.3 | 21.5 | 20.5 | 19.4 | 18.3 | 17.1 | 15.8 | 14.2 | 9.8 | | | | | | | | | | | | | | | | |
| | | 20 | 26.5 | 24.4 | 23.5 | 23.1 | 22.7 | 22.0 | 21.2 | 20.2 | 19.1 | 17.9 | 16.7 | 15.3 | 13.7 | 11.5 | 8.9 | | | | | | | | | | | | | | | | | |
| | | 30 | 24.2 | 23.5 | 23.1 | 22.6 | 21.9 | 21.0 | 20.0 | 18.9 | 17.8 | 16.5 | 15.1 | 13.4 | 11.2 | 8.5 | | | | | | | | | | | | | | | | | | |
| | | 40 | 23.4 | 23.0 | 22.5 | 21.8 | 20.9 | 19.8 | 18.7 | 17.6 | 16.3 | 14.9 | 13.1 | 10.8 | 8.0 | | | | | | | | | | | | | | | | | | | |
| | | 50 | 22.9 | 22.4 | 21.7 | 20.7 | 19.7 | 18.6 | 17.4 | 16.1 | 14.6 | 12.7 | 10.4 | 7.5 | | | | | | | | | | | | | | | | | | | | |
| | | 60 | 22.3 | 21.5 | 20.6 | 19.5 | 18.4 | 17.2 | 15.9 | 14.3 | 12.4 | 10.0 | 7.1 | | | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 167 | 158 | 150 | 141 | 132 | 124 | 115 | 106 | 98 | 89 | 80 | 72 | 63 | 54 | 46 | 28 | | | | | | | | | | | | | | | | |
| SP-1817 | 2 | 0 | | | | 27.4 | 25.2 | 24.1 | 23.6 | 23.2 | 22.9 | 22.5 | 22.0 | 21.3 | 20.6 | 19.8 | 18.9 | 17.1 | 15.0 | 12.1 | 8.1 | | | | | | | | | | | | | |
| | | 20 | | 26.5 | 24.8 | 23.9 | 23.4 | 23.1 | 22.8 | 22.4 | 21.8 | 21.1 | 20.3 | 19.5 | 18.6 | 17.8 | 16.8 | 14.6 | 11.6 | 7.4 | | | | | | | | | | | | | | |
| | | 30 | 26.2 | 24.6 | 23.8 | 23.4 | 23.1 | 22.7 | 22.3 | 21.7 | 21.0 | 20.2 | 19.4 | 18.5 | 17.6 | 16.7 | 15.6 | 13.0 | 9.3 | | | | | | | | | | | | | | | |
| | | 40 | 24.4 | 23.7 | 23.3 | 23.0 | 22.7 | 22.2 | 21.6 | 20.9 | 20.1 | 19.2 | 18.4 | 17.5 | 16.5 | 15.4 | 14.2 | 11.0 | 6.6 | | | | | | | | | | | | | | | |
| | | 50 | 23.6 | 23.3 | 23.0 | 22.6 | 22.1 | 21.5 | 20.7 | 19.9 | 19.1 | 18.2 | 17.3 | 16.4 | 15.3 | 14.0 | 12.5 | 8.6 | | | | | | | | | | | | | | | | |
| | | 60 | 23.3 | 22.9 | 22.5 | 22.0 | 21.4 | 20.6 | 19.8 | 19.0 | 18.1 | 17.2 | 16.2 | 15.1 | 13.8 | 12.2 | 10.4 | 5.9 | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 221 | 212 | 204 | 195 | 186 | 178 | 169 | 160 | 152 | 143 | 134 | 126 | 117 | 108 | 100 | 82 | 65 | 48 | 30 | | | | | | | | | | | | | |
| SP-1823 | 3 | 0 | | | | | 28.3 | 26.2 | 24.9 | 24.2 | 23.7 | 23.4 | 23.2 | 23.0 | 22.7 | 22.3 | 21.9 | 20.9 | 19.7 | 18.5 | 17.1 | 15.6 | 13.8 | 11.4 | 8.3 | | | | | | | | | |
| | | 20 | | | 27.6 | 25.8 | 24.7 | 24.0 | 23.6 | 23.3 | 23.1 | 22.9 | 22.6 | 22.2 | 21.8 | 21.3 | 20.7 | 19.5 | 18.2 | 16.9 | 15.3 | 13.4 | 10.9 | 7.8 | | | | | | | | | | |
| | | 30 | | 27.2 | 25.6 | 24.5 | 23.9 | 23.6 | 23.3 | 23.1 | 22.8 | 22.5 | 22.2 | 21.7 | 21.2 | 20.6 | 20.0 | 18.8 | 17.5 | 16.0 | 14.3 | 12.1 | 9.2 | | | | | | | | | | |
| | | 40 | 26.9 | 25.4 | 24.4 | 23.8 | 23.5 | 23.3 | 23.1 | 22.8 | 22.5 | 22.1 | 21.6 | 21.1 | 20.5 | 19.9 | 19.3 | 18.0 | 16.7 | 15.1 | 13.1 | 10.5 | 7.2 | | | | | | | | | | |
| | | 50 | 25.2 | 24.3 | 23.8 | 23.5 | 23.2 | 23.0 | 22.8 | 22.4 | 22.0 | 21.6 | 21.0 | 20.5 | 19.9 | 19.2 | 18.6 | 17.3 | 15.8 | 14.0 | 11.7 | 8.7 | | | | | | | | | | | |
| | | 60 | 24.2 | 23.7 | 23.4 | 23.2 | 23.0 | 22.7 | 22.4 | 22.0 | 21.5 | 20.9 | 20.4 | 19.8 | 19.1 | 18.5 | 17.8 | 16.4 | 14.8 | 12.7 | 10.0 | 6.7 | | | | | | | | | | | | |
| Shut-off PSI | | | 302 | 293 | 285 | 276 | 267 | 259 | 250 | 241 | 233 | 224 | 215 | 207 | 198 | 189 | 181 | 163 | 146 | 129 | 111 | 94 | 77 | 59 | 42 | | | | | | | | | |
| SP-1836 | 5 | 0 | | | | | | | | 28.1 | 26.7 | 25.7 | 24.9 | 24.4 | 24.0 | 23.7 | 23.5 | 23.2 | 22.9 | 22.6 | 22.1 | 21.5 | 20.8 | 20.0 | 19.2 | 18.4 | 17.6 | 16.7 | 15.7 | 14.6 | 13.2 | 11.7 | 9.9 | 7.8 |
| | | 20 | | | | | | 27.6 | 26.3 | 25.4 | 24.7 | 24.2 | 23.9 | 23.7 | 23.5 | 23.3 | 23.2 | 22.9 | 22.5 | 22.0 | 21.4 | 20.6 | 19.9 | 19.1 | 18.3 | 17.4 | 16.5 | 15.5 | 14.4 | 13.0 | 11.4 | 9.6 | 7.4 | |
| | | 30 | | | | | 27.4 | 26.2 | 25.3 | 24.6 | 24.2 | 23.9 | 23.6 | 23.4 | 23.3 | 23.2 | 23.0 | 22.7 | 22.2 | 21.6 | 21.0 | 20.2 | 19.4 | 18.6 | 17.8 | 16.9 | 16.0 | 14.9 | 13.6 | 12.1 | 10.4 | 8.4 | 6.1 | |
| | | 40 | | | 28.7 | 27.2 | 26.0 | 25.2 | 24.6 | 24.1 | 23.8 | 23.6 | 23.4 | 23.3 | 23.1 | 23.0 | 22.8 | 22.4 | 21.9 | 21.2 | 20.5 | 19.8 | 19.0 | 18.1 | 17.3 | 16.4 | 15.3 | 14.2 | 12.8 | 11.2 | 9.2 | 7.1 | | |
| | | 50 | | 28.4 | 27.0 | 25.9 | 25.1 | 24.5 | 24.1 | 23.8 | 23.6 | 23.4 | 23.3 | 23.1 | 23.0 | 22.8 | 22.6 | 22.1 | 21.5 | 20.8 | 20.1 | 19.3 | 18.5 | 17.6 | 16.8 | 15.8 | 14.7 | 13.4 | 11.9 | 10.1 | 8.0 | | | |
| | | 60 | 28.2 | 26.8 | 25.7 | 25.0 | 24.4 | 24.0 | 23.7 | 23.5 | 23.4 | 23.2 | 23.1 | 22.9 | 22.8 | 22.6 | 22.3 | 21.8 | 21.1 | 20.4 | 19.6 | 18.8 | 18.0 | 17.1 | 16.2 | 15.2 | 14.0 | 12.6 | 10.9 | 8.9 | 6.7 | | | |
| Shut-off PSI | | | 477 | 469 | 460 | 451 | 443 | 434 | 425 | 417 | 408 | 399 | 391 | 382 | 373 | 365 | 356 | 339 | 321 | 304 | 287 | 270 | 252 | 235 | 218 | 200 | 183 | 166 | 148 | 131 | 114 | 96 | 79 | 62 |

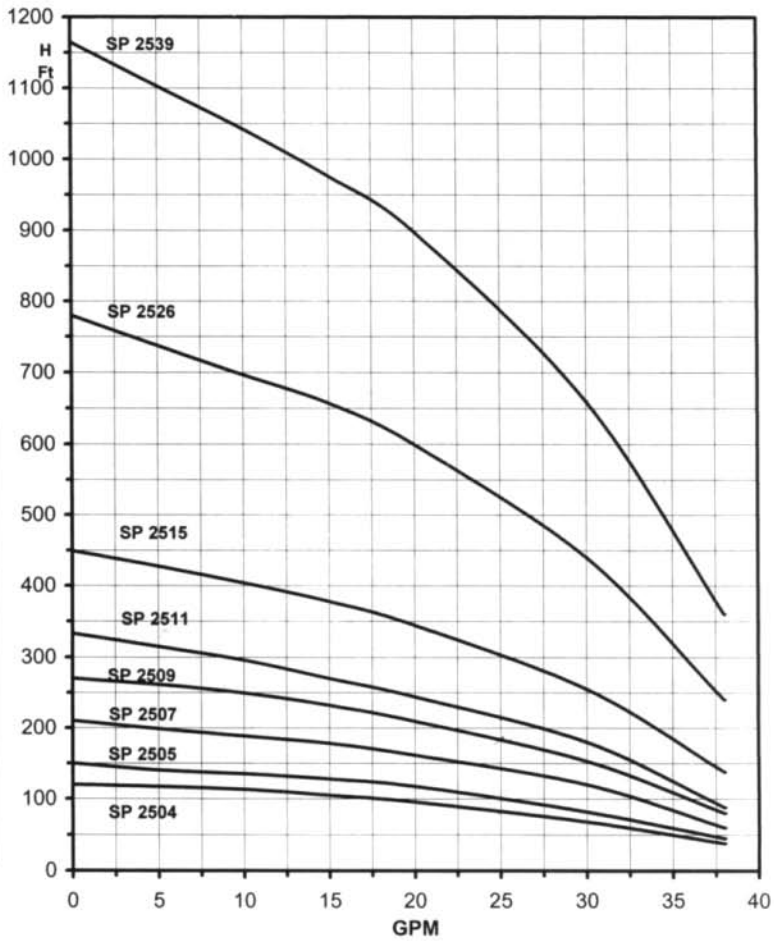
# Unitra

## MODEL SP 25
## 60HZ - 3450RPM

**25 GPM** **1/2 - 7 1/2 HP** 1-1/2" DISCHARGE

| Model | HP | Stages | Phase | Length Inch | | Weight Lbs | |
|---|---|---|---|---|---|---|---|
| | | | | Pump | Motor | Pump | Motor |
| SP-2504 | 1/2 | 4 | 1 | 9.4 | 9.5 | 5.1 | 18 |
| SP-2505 | 3/4 | 5 | 1 | 10.3 | 10.7 | 5.3 | 21 |
| SP-2507 | 1 | 7 | 1 | 11.9 | 11.8 | 5.9 | 23 |
| SP-2509 | 1 1/2 | 9 | 1 | 13.5 | 13.6 | 6.8 | 27 |
| | | | 3 | | 11.8 | | 26 |
| SP-2511 | 2 | 11 | 1 | 15.2 | 15.1 | 8.1 | 30 |
| | | | 3 | | 13.6 | | 28 |
| SP-2515 | 3 | 15 | 1 | 18.5 | 23.5 | 9.2 | 54 |
| | | | 3 | | 20.6 | | 44 |
| SP-2526 | 5 | 26 | 1 | 27.6 | 29.5 | 14.3 | 65 |
| | | | 3 | | 23.5 | | 50 |
| SP-2539 | 7 1/2 | 39 | 3 | 39.3 | 29.5 | 20.2 | 66 |

## PERFORMANCE CURVE




## SELECTION CHART

| Pump Model | HP | PSI | Depth to Water in Feet (GPM) | | | |

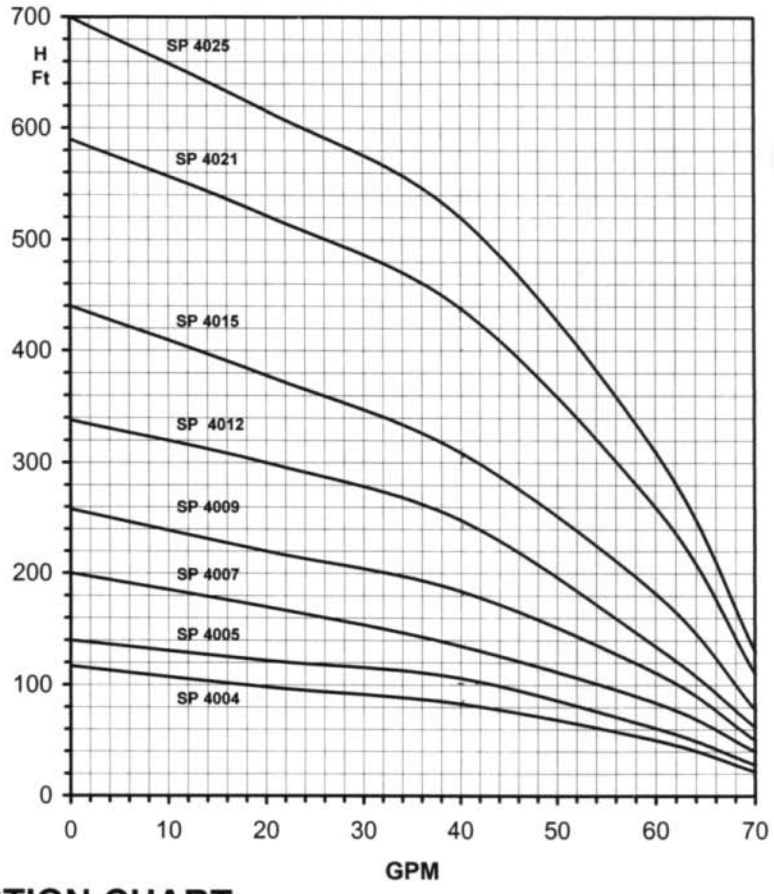
Unitra

## MODEL SP 40
## 60HZ - 3450RPM

**40 GPM** **1 - 7 1/2 HP** 2" DISCHARGE

| Model | HP | Stages | Phase | Length Inch | | Weight Lbs | |
|---|---|---|---|---|---|---|---|
| | | | | Pump | Motor | Pump | Motor |
| SP-4004 | 1 | 4 | 1 | 14.4 | 11.8 | 8.2 | 23 |
| SP-4005 | 1 1/2 | 5 | 1 | 16.1 | 13.6 | 9.3 | 27 |
| | | | 3 | | 11.8 | | 26 |
| SP-4007 | 2 | 7 | 1 | 19.4 | 15.1 | 11.5 | 30 |
| | | | 3 | | 13.6 | | 28 |
| SP-4009 | 3 | 9 | 1 | 22.7 | 23.5 | 13.7 | 54 |
| | | | 3 | | 20.6 | | 44 |
| SP-4012 | 5 | 12 | 1 | 27.7 | 29.5 | 17.0 | 65 |
| | | | 3 | | 23.5 | | 50 |
| SP-4015 | 5 | 15 | 1 | 32.6 | 29.5 | 20.2 | 65 |
| | | | 3 | | 23.5 | | 50 |
| SP-4021 | 7 1/2 | 21 | 3 | 42.5 | 29.5 | 26.7 | 66 |
| SP-4025 | 7 1/2 | 25 | 3 | 49.1 | 29.5 | 31.0 | 66 |

### PERFORMANCE CURVE




## SELECTION CHART

| Pump Model | HP | PSI | Depth to Water in Feet (GPM) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 340 | 380 | 420 | 460 | 500 | 540 | 580 |
| SP-4005 | 1½ | 0 | | | 60.1 | 54.0 | 43.2 | 23.4 | | | | | | | | | | | | | | | | |
| | | 20 | 58.2 | 51.5 | 38.0 | | | | | | | | | | | | | | | | | | | |
| | | 30 | 50.0 | 35.0 | | | | | | | | | | | | | | | | | | | | |
| | | 40 | 31.9 | | | | | | | | | | | | | | | | | | | | | |
| | | 50 | | | | | | | | | | | | | | | | | | | | | | |
| | | 60 | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 52 | 44 | 35 | 27 | 18 | 9 | | | | | | | | | | | | | | | | |
| SP-4007 | 2 | 0 | | | | 61.0 | 56.7 | 51.7 | 43.2 | 29.9 | | | | | | | | | | | | | | |
| | | 20 | 64.5 | 59.6 | 55.4 | 49.6 | 39.6 | 24.9 | | | | | | | | | | | | | | | | |
| | | 30 | 58.9 | 54.7 | 48.3 | 37.6 | 22.3 | | | | | | | | | | | | | | | | | |
| | | 40 | 53.9 | 47.0 | 35.5 | | | | | | | | | | | | | | | | | | | |
| | | 50 | 45.5 | 33.2 | | | | | | | | | | | | | | | | | | | | |
| | | 60 | 30.9 | | | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 77 | 68 | 60 | 51 | 42 | 34 | 25 | 16 | | | | | | | | | | | | | | |
| SP-4009 | 3 | 0 | | | | 65.6 | 61.5 | 58.1 | 54.8 | 50.2 | 43.2 | 33.2 | 20.8 | | | | | | | | | | | |
| | | 20 | | 64.3 | 60.4 | 57.1 | 53.6 | 48.4 | 40.4 | 29.6 | | | | | | | | | | | | | | |
| | | 30 | 63.6 | 59.8 | 56.6 | 52.9 | 47.3 | 38.9 | 27.7 | | | | | | | | | | | | | | | |
| | | 40 | 59.3 | 56.1 | 52.2 | 46.2 | 37.4 | 25.7 | | | | | | | | | | | | | | | | |
| | | 50 | 55.6 | 51.4 | 45.0 | 35.7 | 23.7 | | | | | | | | | | | | | | | | | |
| | | 60 | 50.6 | 43.8 | 34.0 | 21.7 | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 101 | 93 | 84 | 75 | 67 | 58 | 49 | 41 | 32 | 23 | 15 | | | | | | | | | | | |
| SP-4012 | 5 | 0 | | | | | | 63.2 | 60.6 | 58.3 | 55.8 | 52.6 | 48.2 | 42.2 | 34.6 | 25.6 | | | | | | | | |
| | | 20 | | | 65.2 | 62.4 | 59.9 | 57.5 | 54.9 | 51.4 | 46.5 | 40.0 | 32.0 | 22.7 | | | | | | | | | | |
| | | 30 | | 64.8 | 62.0 | 59.5 | 57.2 | 54.4 | 50.7 | 45.6 | 38.9 | 30.6 | 21.2 | | | | | | | | | | | |
| | | 40 | 64.3 | 61.5 | 59.1 | 56.8 | 53.9 | 50.0 | 44.7 | 37.7 | 29.2 | | | | | | | | | | | | | |
| | | 50 | 61.2 | 58.8 | 56.4 | 53.4 | 49.3 | 43.7 | 36.5 | 27.8 | | | | | | | | | | | | | | |
| | | 60 | 58.4 | 56.0 | 52.9 | 48.6 | 42.7 | 35.2 | 26.3 | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 137 | 128 | 119 | 111 | 102 | 93 | 85 | 76 | 67 | 59 | 50 | 41 | 33 | 24 | | | | | | | | |
| SP-4015 | 5 | 0 | | | | | | | 64.4 | 62.1 | 60.1 | 58.3 | 56.3 | 54.0 | 51.0 | 47.1 | 42.2 | 29.4 | | | | | | |
| | | 20 | | | | | 63.6 | 61.5 | 59.5 | 57.7 | 55.7 | 53.2 | 49.9 | 45.7 | 40.5 | 34.2 | 27.1 | | | | | | | |
| | | 30 | | | | 63.3 | 61.2 | 59.3 | 57.4 | 55.3 | 52.7 | 49.3 | 45.0 | 39.6 | 33.2 | 26.9 | | | | | | | | |
| | | 40 | | | 62.9 | 60.9 | 59.0 | 57.1 | 54.9 | 52.2 | 48.7 | 44.2 | 38.6 | 32.1 | 24.7 | | | | | | | | | |
| | | 50 | 64.9 | 62.6 | 60.6 | 58.7 | 56.8 | 54.6 | 51.8 | 48.1 | 43.4 | 37.7 | 31.0 | 23.5 | | | | | | | | | | |
| | | 60 | 62.3 | 60.3 | 58.4 | 56.5 | 54.2 | 51.3 | 47.4 | 42.6 | 36.7 | 29.9 | 22.4 | | | | | | | | | | | |
| Shut-off PSI | | | 173 | 164 | 156 | 147 | 138 | 130 | 121 | 112 | 104 | 95 | 86 | 78 | 69 | 60 | 52 | 34 | | | | | | |
| SP-4021 | 7½ | 0 | | | | | | | | | | 64.0 | 62.4 | 61.0 | 59.6 | 58.3 | 56.9 | 53.6 | 48.9 | 42.2 | 33.4 | 22.9 | | |
| | | 20 | | | | | | | | 63.5 | 62.0 | 60.5 | 59.2 | 57.9 | 56.5 | 54.9 | 53.0 | 48.0 | 41.0 | 31.9 | 21.2 | | | |
| | | 30 | | | | | | 64.9 | 63.3 | 61.7 | 60.3 | 59.0 | 57.7 | 56.2 | 54.6 | 52.7 | 50.4 | 44.2 | 36.0 | 25.8 | | | | |
| | | 40 | | | | | 64.7 | 63.0 | 61.5 | 60.1 | 58.8 | 57.4 | 56.0 | 54.3 | 52.3 | 50.0 | 47.1 | 39.7 | 30.3 | | | | | |
| | | 50 | | | | 64.4 | 62.8 | 61.3 | 59.9 | 58.6 | 57.2 | 55.8 | 54.0 | 52.0 | 49.5 | 46.6 | 43.1 | 34.5 | 24.2 | | | | | |
| | | 60 | | 65.9 | 64.1 | 62.5 | 61.1 | 59.7 | 58.4 | 57.0 | 55.5 | 53.8 | 51.7 | 49.1 | 46.1 | 42.5 | 38.4 | 28.7 | | | | | | |
| Shut-off PSI | | | | 237 | 228 | 219 | 211 | 202 | 193 | 185 | 176 | 167 | 159 | 150 | 142 | 133 | 124 | 107 | 90 | 72 | 55 | 38 | | |
| SP-4025 | 7½ | 0 | | | | | | | | | | | 65.3 | 63.9 | 62.5 | 61.3 | 60.1 | 57.9 | 55.5 | 52.3 | 48.0 | 42.2 | 34.9 | 26.4 |
| | | 20 | | | | | | | | | 64.9 | 63.5 | 62.2 | 60.9 | 59.8 | 58.7 | 57.5 | 55.0 | 51.7 | 47.2 | 41.2 | 33.7 | 25.0 | |
| | | 30 | | | | | | | | 64.7 | 63.3 | 62.0 | 60.7 | 59.6 | 58.5 | 57.4 | 56.2 | 53.2 | 49.3 | 43.9 | 37.0 | 28.8 | | |
| | | 40 | | | | | | | 64.4 | 63.1 | 61.8 | 60.6 | 59.4 | 58.3 | 57.2 | 56.0 | 54.6 | 51.1 | 46.4 | 40.1 | 32.4 | 23.6 | | |
| | | 50 | | | | | 65.6 | 64.2 | 62.8 | 61.6 | 60.4 | 59.3 | 58.2 | 57.0 | 55.8 | 54.3 | 52.7 | 48.5 | 42.9 | 35.8 | 27.4 | | | |
| | | 60 | | | | 65.4 | 64.0 | 62.6 | 61.4 | 60.2 | 59.1 | 58.0 | 56.8 | 55.6 | 54.1 | 52.4 | 50.5 | 45.5 | 39.0 | 31.1 | 22.1 | | | |
| Shut-off PSI | | | | | | 288 | 259 | 251 | 242 | 233 | 225 | 216 | 207 | 199 | 190 | 181 | 173 | 155 | 138 | 121 | 103 | 86 | 69 | 51 |

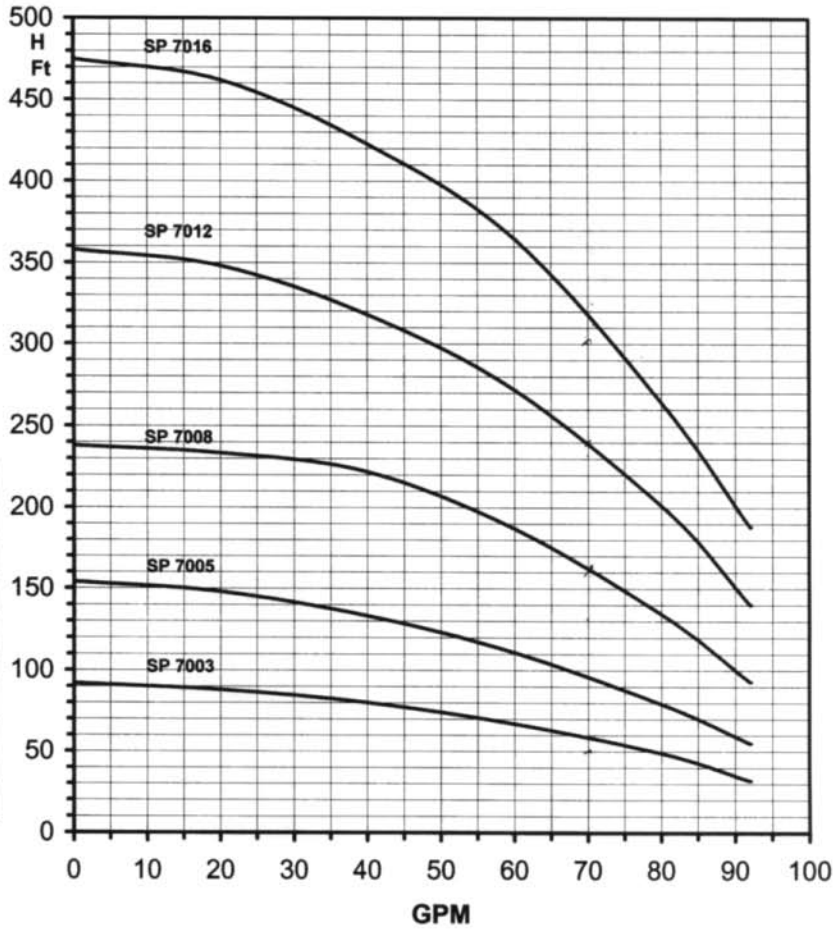
# Unitra

**MODEL SP 70**
**60HZ - 3450RPM**

**70 GPM** **2 - 7 1/2 HP** 2" DISCHARGE

| Model | HP | Stages | Phase | Length Inch | | Weight Lbs | |
|---|---|---|---|---|---|---|---|
| | | | | Pump | Motor | Pump | Motor |
| SP-7003 | 2 | 3 | 1 | 14.9 | 15.1 | 8.2 | 30 |
| | | | 3 | | 13.6 | | 28 |
| SP-7005 | 3 | 5 | 1 | 20.0 | 23.5 | 10.4 | 54 |
| | | | 3 | | 20.6 | | 44 |
| SP-7008 | 5 | 8 | 1 | 27.7 | 29.5 | 13.7 | 65 |
| | | | 3 | | 23.5 | | 50 |
| SP-7012 | 7 1/2 | 12 | 3 | 37.9 | 29.5 | 18.0 | 66 |
| SP-7016 | 10 | 16 | 3 | 53 | 44 | 29 | 120 |

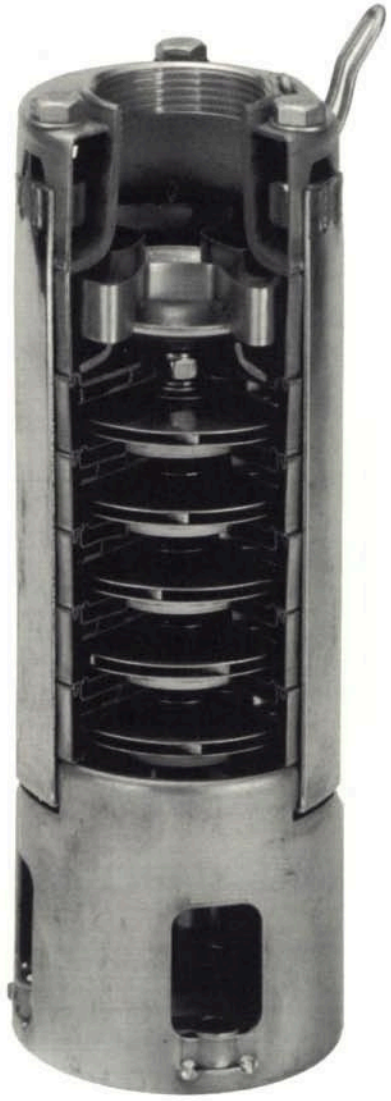
**PERFORMANCE CURVE**




## SELECTION CHART

| Pump Model | HP | PSI | Depth to Water in Feet (GPM) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 340 | 380 | 420 |
| SP-7005 | 3 | 0 | | | 91.1 | 78.8 | 68.9 | 51.0 | | | | | | | | | | | | |
| | | 20 | 89.4 | 75.5 | 64.4 | 44.9 | | | | | | | | | | | | | | |
| | | 30 | 74.1 | 61.8 | 42.1 | | | | | | | | | | | | | | | |
| | | 40 | 58.8 | 39.6 | | | | | | | | | | | | | | | | |
| | | 50 | 37.1 | | | | | | | | | | | | | | | | | |
| | | 60 | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 58 | 49 | 40 | 32 | 23 | 14 | | | | | | | | | | | | |
| SP-7008 | 5 | 0 | | | | | 88.9 | 84.8 | 78.5 | 69.4 | 59.4 | 49.7 | | | | | | | | |
| | | 20 | | | 87.8 | 83.2 | 75.9 | 66.3 | 56.4 | 46.3 | | | | | | | | | | |
| | | 30 | 91.0 | 87.2 | 82.3 | 74.6 | 64.7 | 54.9 | 44.4 | | | | | | | | | | | |
| | | 40 | 86.5 | 81.3 | 73.1 | 63.2 | 53.4 | 42.2 | | | | | | | | | | | | |
| | | 50 | 80.2 | 71.6 | 61.6 | 51.9 | 39.8 | | | | | | | | | | | | | |
| | | 60 | 70.1 | 60.1 | 50.4 | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 94 | 86 | 77 | 68 | 60 | 51 | 42 | 34 | 25 | 16 | | | | | | | | |
| SP-7012 | 7½ | 0 | | | | | | | 90.2 | 87.7 | 84.8 | 81.0 | 75.7 | 69.4 | 62.7 | 56.1 | 49.7 | | | |
| | | 20 | | | | | 89.4 | 86.9 | 83.8 | 79.5 | 73.9 | 67.4 | 60.6 | 54.2 | 47.5 | | | | | |
| | | 30 | | | | 89.0 | 86.4 | 83.2 | 78.7 | 72.9 | 66.3 | 59.6 | 53.2 | 46.3 | | | | | | |
| | | 40 | | | 88.6 | 86.0 | 82.6 | 77.9 | 71.9 | 65.3 | 58.6 | 52.2 | 45.0 | 33.0 | 11.3 | | | | | |
| | | 50 | | 88.2 | 85.5 | 81.9 | 77.0 | 70.9 | 64.2 | 57.6 | 51.2 | 43.7 | | | | | | | | |
| | | 60 | 87.8 | 85.1 | 82.3 | 76.1 | 69.9 | 63.2 | 56.6 | 50.2 | 42.2 | | | | | | | | | |
| Shut-off PSI | | | 146 | 137 | 128 | 120 | 111 | 102 | 94 | 85 | 76 | 68 | 59 | 50 | 42 | 33 | 24 | | | |
| SP-7016 | 10 | 0 | | | | | | | | 88.5 | 86.4 | 85.2 | 84.3 | 83.2 | 81.3 | 78.4 | 74.5 | 64.5 | 54.2 | 43.8 |
| | | 20 | | | | | 90.7 | 87.7 | 85.9 | 84.0 | 82.7 | 80.5 | 77.3 | 73.1 | 68.2 | 62.9 | 52.7 | 41.7 | | |
| | | 30 | | | | 90.1 | 87.4 | 85.7 | 84.7 | 83.8 | 82.4 | 80.1 | 76.7 | 72.4 | 67.4 | 62.1 | 56.9 | 47.0 | | |
| | | 40 | | | 89.6 | 87.1 | 85.6 | 84.6 | 83.6 | 82.1 | 79.7 | 76.1 | 71.6 | 66.5 | 61.2 | 56.1 | 51.2 | | | |
| | | 50 | | 89.2 | 86.8 | 85.4 | 83.5 | 81.8 | 79.2 | 75.5 | 70.9 | 65.7 | 60.4 | 55.4 | 50.5 | 45.2 | | | | |
| | | 60 | 88.7 | 86.5 | 85.2 | 84.3 | 83.3 | 81.5 | 78.7 | 74.8 | 70.0 | 64.9 | 59.6 | 54.6 | 49.7 | 44.3 | | | | |
| Shut-off PSI | | | 197 | 188 | 180 | 171 | 162 | 154 | 145 | 136 | 128 | 119 | 110 | 102 | 93 | 84 | 76 | 59 | 41 | 24 |





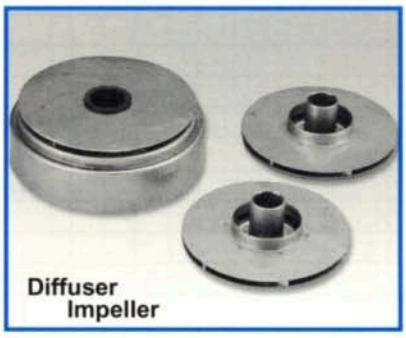
# Quality Features

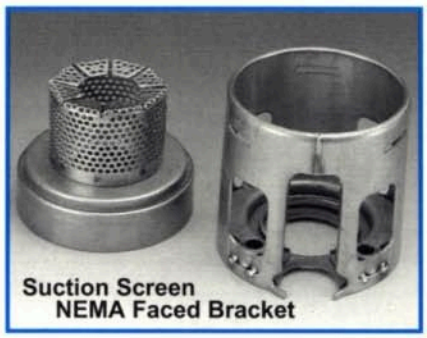
- STAINLESS STEEL CONSTRUCTION DESIGNED AND BUILT FOR YEARS OF TROUBLE FREE OPERATION
- STAINLESS STEEL DISCHARGE HEAD WITH BUILT-IN CHECK VALVE
- HIGH EFFICIENCY STAINLESS STEEL IMPELLERS & DIFFUSERS
- STAINLESS STEEL SUCTION SCREEN
- STAINLESS STEEL SHAFT & COUPLING
- STAINLESS STEEL NEMA FACED MOUNTING BRACKET
- STAINLESS STEEL INSTALLATION RING

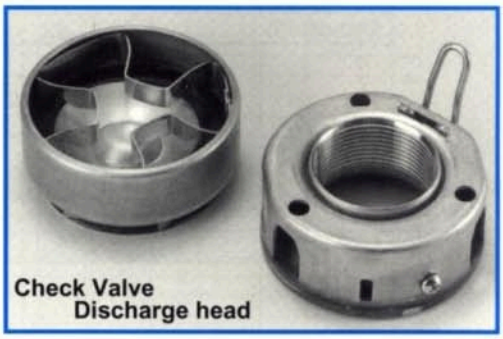
**STANDARD DISCHARGE SIZES:**

SP-5, SP-10 & SP-18 Discharge - 1-1/4"
SP-25 Discharge - 1-1/2"
SP-40 & SP-75 discharge - 2"

OUR PUMPS ARE POWERED BY **Franklin Electric**


Diffuser
Impeller


Suction Screen
NEMA Faced Bracket


Check Valve
Discharge head

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

Unitra, Inc.

MADE IN USA

Form 7000 REV 07/02