

5S EASY SELECTION CHART

5 GPM

SELECTION CHARTS

FLOW RANGE
(1.2 TO 7 GPM)

PUMP OUTLET
1" NPT

(Ratings are in GALLONS PER MINUTE-GPM)

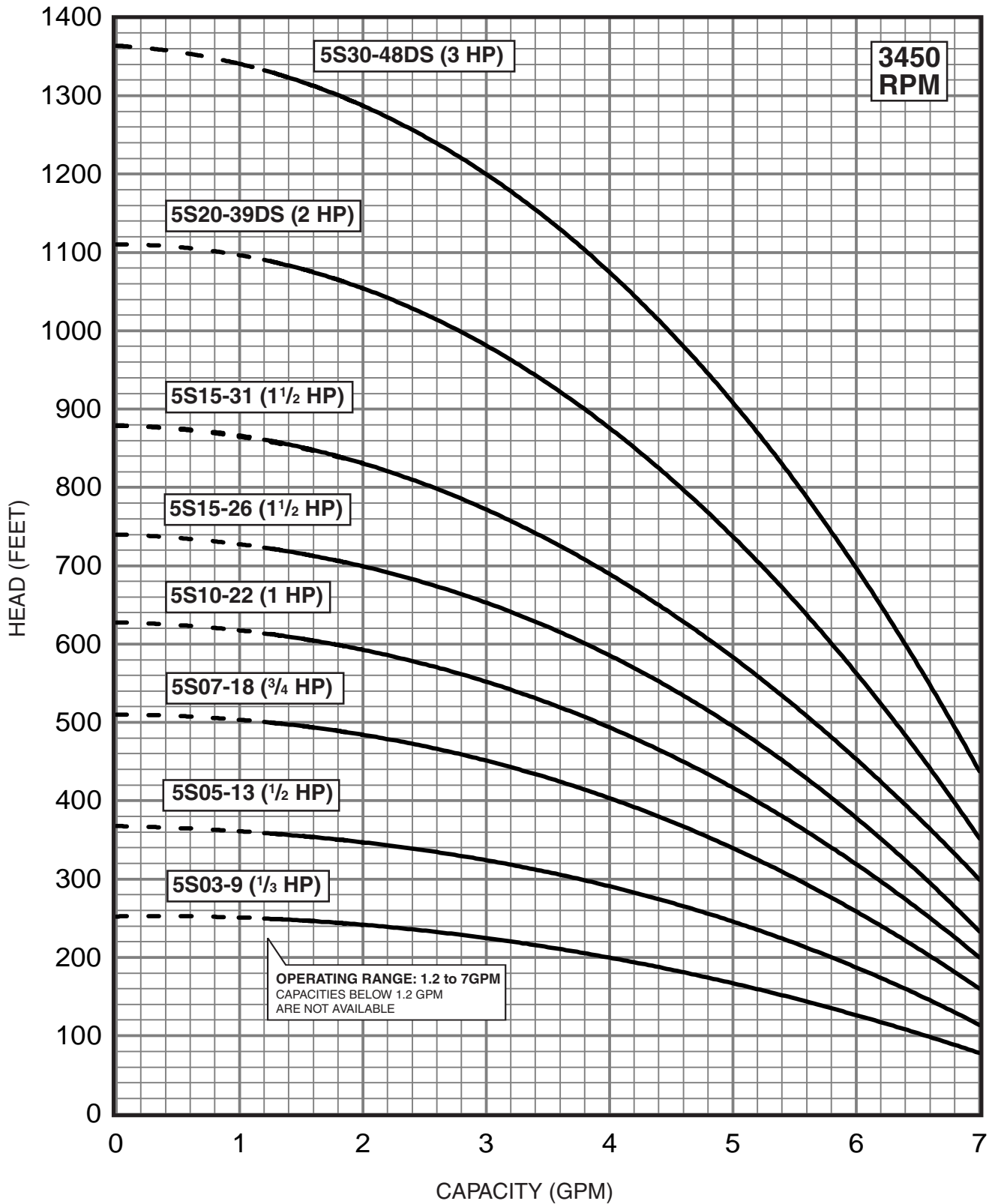
| | | DEPTH TO PUMPING WATER LEVEL (LIFT) IN FEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|-------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|--|--|--|
| PUMP MODEL | HP | PSI | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 340 | 400 | 460 | 520 | 600 | 700 | 800 | 900 | 1000 | 1100 | | | |
| 5S03-9 | 1/3 | 0 | | | | 7.1 | 6.7 | 6.2 | 5.8 | 5.3 | 4.8 | 4.3 | 3.2 | 2.1 | | | | | | | | | | | | | | | | |
| | | 20 | | 7.0 | 6.6 | 6.1 | 5.7 | 5.2 | 4.6 | 4.0 | 2.8 | 1.6 | | | | | | | | | | | | | | | | | | |
| | | 30 | | 6.5 | 6.0 | 5.6 | 5.1 | 4.6 | 3.8 | 2.9 | 1.5 | | | | | | | | | | | | | | | | | | | |
| | | 40 | 6.7 | 6.0 | 5.5 | 5.1 | 4.4 | 3.8 | 2.4 | | | | | | | | | | | | | | | | | | | | | |
| | | 50 | 6.2 | 5.5 | 4.9 | 4.4 | 3.4 | 2.5 | 1.3 | | | | | | | | | | | | | | | | | | | | | |
| | | 60 | 5.6 | 4.9 | 4.2 | 3.5 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | |
| SHUT-OFF PSI: | | | 102 | 94 | 85 | 76 | 68 | 59 | 50 | 42 | 33 | 24 | 16 | 7 | | | | | | | | | | | | | | | | |
| 5S05-13 | 1/2 | 0 | | | | | | 7.1 | 6.8 | 6.4 | 6.1 | 5.8 | 5.5 | 5.2 | 4.8 | 4.5 | 3.9 | 2.3 | | | | | | | | | | | | |
| | | 20 | | | 7.3 | 7.0 | 6.7 | 6.3 | 6.0 | 5.7 | 5.4 | 5.1 | 4.7 | 4.3 | 3.7 | 3.1 | 2.0 | | | | | | | | | | | | | |
| | | 30 | | | 7.2 | 6.9 | 6.6 | 6.3 | 6.0 | 5.7 | 5.4 | 5.0 | 4.7 | 4.2 | 3.7 | 2.8 | 2.0 | | | | | | | | | | | | | |
| | | 40 | 7.2 | 6.9 | 6.6 | 6.3 | 5.9 | 5.6 | 5.3 | 5.0 | 4.6 | 4.2 | 3.5 | 2.8 | 1.6 | | | | | | | | | | | | | | | |
| | | 50 | 6.8 | 6.5 | 6.2 | 5.9 | 5.6 | 5.3 | 4.9 | 4.6 | 4.0 | 3.5 | 2.6 | 1.6 | | | | | | | | | | | | | | | | |
| | | 60 | 6.5 | 6.2 | 5.8 | 5.5 | 5.2 | 4.9 | 4.5 | 4.0 | 3.3 | 2.6 | 1.3 | | | | | | | | | | | | | | | | | |
| SHUT-OFF PSI: | | | 152 | 143 | 134 | 126 | 117 | 108 | 100 | 91 | 82 | 74 | 65 | 56 | 48 | 39 | 30 | 13 | | | | | | | | | | | | |
| 5S07-18 | 3/4 | 0 | | | | | | | | 7.1 | 6.9 | 6.7 | 6.4 | 6.2 | 6.0 | 5.8 | 5.6 | 5.1 | 4.2 | 2.7 | | | | | | | | | | |
| | | 20 | | | | | | 7.1 | 6.8 | 6.6 | 6.4 | 6.2 | 5.9 | 5.7 | 5.5 | 5.3 | 5.0 | 4.5 | 3.2 | | | | | | | | | | | |
| | | 30 | | | | | 7.0 | 6.8 | 6.6 | 6.3 | 6.1 | 5.9 | 5.7 | 5.5 | 5.2 | 5.0 | 4.7 | 4.0 | 2.5 | | | | | | | | | | | |
| | | 40 | | | 7.2 | 7.0 | 6.8 | 6.5 | 6.3 | 6.1 | 5.9 | 5.6 | 5.4 | 5.2 | 4.9 | 4.7 | 4.4 | 3.5 | 1.5 | | | | | | | | | | | |
| | | 50 | | 7.2 | 7.0 | 6.7 | 6.5 | 6.3 | 6.1 | 5.8 | 5.6 | 5.4 | 5.1 | 4.9 | 4.6 | 4.3 | 3.9 | 2.9 | | | | | | | | | | | | |
| | | 60 | 7.1 | 6.9 | 6.7 | 6.5 | 6.2 | 6.0 | 5.8 | 5.6 | 5.3 | 5.1 | 4.9 | 4.6 | 4.3 | 3.9 | 3.4 | 2.1 | | | | | | | | | | | | |
| SHUT-OFF PSI: | | | 213 | 204 | 195 | 187 | 178 | 169 | 161 | 152 | 143 | 135 | 126 | 117 | 109 | 100 | 91 | 74 | 48 | 22 | | | | | | | | | | |
| 5S10-22 | 1 | 0 | | | | | | | | | 7.1 | 6.9 | 6.7 | 6.6 | 6.4 | 6.2 | 5.8 | 5.3 | 4.7 | 3.8 | 1.7 | | | | | | | | | |
| | | 20 | | | | | | | | 7.1 | 6.9 | 6.7 | 6.5 | 6.3 | 6.1 | 6.0 | 5.8 | 5.4 | 4.8 | 4.0 | 2.8 | | | | | | | | | |
| | | 30 | | | | | | | 7.0 | 6.8 | 6.7 | 6.5 | 6.3 | 6.1 | 5.9 | 5.7 | 5.6 | 5.2 | 4.6 | 3.6 | 2.1 | | | | | | | | | |
| | | 40 | | | | | | 7.0 | 6.8 | 6.6 | 6.5 | 6.3 | 6.1 | 5.9 | 5.7 | 5.5 | 5.4 | 5.0 | 4.3 | 3.1 | 1.3 | | | | | | | | | |
| | | 50 | | | | 7.2 | 7.0 | 6.8 | 6.6 | 6.4 | 6.2 | 6.1 | 5.9 | 5.7 | 5.5 | 5.3 | 5.1 | 4.7 | 3.9 | 2.5 | | | | | | | | | | |
| | | 60 | | | 7.1 | 6.9 | 6.8 | 6.6 | 6.4 | 6.2 | 6.0 | 6.0 | 5.7 | 5.5 | 5.3 | 5.1 | 4.9 | 4.4 | 3.5 | 1.7 | | | | | | | | | | |
| SHUT-OFF PSI: | | | | | 245 | 237 | 228 | 219 | 211 | 202 | 194 | 185 | 176 | 168 | 159 | 150 | 142 | 124 | 98 | 72 | 46 | 12 | | | | | | | | |
| 5S15-26 | 1 1/2 | 0 | | | | | | | | | | | | | 7.1 | 7.0 | 6.8 | 6.7 | 6.4 | 5.9 | 5.4 | 4.9 | 4.1 | 2.1 | | | | | | |
| | | 20 | | | | | | | | | | | | 7.1 | 6.9 | 6.8 | 6.6 | 6.5 | 6.3 | 6.0 | 5.5 | 5.1 | 4.5 | 3.4 | | | | | | |
| | | 30 | | | | | | | | | | 7.1 | 6.9 | 6.7 | 6.6 | 6.4 | 6.3 | 6.1 | 5.8 | 5.4 | 4.8 | 4.2 | 2.9 | | | | | | | |
| | | 40 | | | | | | | | 7.0 | 6.9 | 6.7 | 6.6 | 6.4 | 6.3 | 6.1 | 6.0 | 5.6 | 5.2 | 4.6 | 5.6 | 2.4 | | | | | | | | |
| | | 50 | | | | | | | 7.0 | 6.9 | 6.7 | 6.5 | 6.4 | 6.2 | 6.1 | 5.9 | 5.8 | 5.5 | 5.0 | 4.4 | 3.6 | 1.7 | | | | | | | | |
| | | 60 | | | | | 7.0 | 6.8 | 6.7 | 6.5 | 6.4 | 6.2 | 6.1 | 5.9 | 5.8 | 5.6 | 5.3 | 4.8 | 4.1 | 3.1 | | | | | | | | | | |
| SHUT-OFF PSI: | | | | | | 269 | 260 | 252 | 243 | 234 | 226 | 217 | 208 | 200 | 191 | 174 | 148 | 122 | 96 | 61 | 18 | | | | | | | | | |
| 5S15-31 | 1 1/2 | 0 | | | | | | | | | | | | | | 7.1 | 7.0 | 6.7 | 6.3 | 5.9 | 5.5 | 6.7 | 4.1 | 2.6 | | | | | | |
| | | 20 | | | | | | | | | | | | | 7.1 | 6.9 | 6.8 | 6.7 | 6.4 | 6.0 | 5.6 | 5.2 | 4.6 | 3.5 | 1.6 | | | | | |
| | | 30 | | | | | | | | | | | | 7.0 | 6.9 | 6.8 | 6.6 | 6.5 | 6.2 | 5.9 | 5.5 | 5.1 | 4.4 | 3.2 | 0.9 | | | | | |
| | | 40 | | | | | | | | | | 7.0 | 6.9 | 6.8 | 6.6 | 6.5 | 6.4 | 6.1 | 5.7 | 5.3 | 4.9 | 4.2 | 2.8 | | | | | | | |
| | | 50 | | | | | | | | 7.1 | 7.0 | 6.9 | 6.7 | 6.6 | 6.5 | 6.3 | 6.2 | 6.0 | 5.6 | 5.2 | 4.7 | 4.0 | 2.3 | | | | | | | |
| | | 60 | | | | | | 7.1 | 7.0 | 6.8 | 6.7 | 6.6 | 6.5 | 6.3 | 6.2 | 6.1 | 5.8 | 5.4 | 5.0 | 4.5 | 3.7 | 1.7 | | | | | | | | |
| SHUT-OFF PSI: | | | | | | | 320 | 311 | 303 | 294 | 285 | 277 | 268 | 259 | 251 | 233 | 207 | 181 | 155 | 121 | 77 | 34 | | | | | | | | |

See 5S performance curves for higher head models.
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

FLOW RANGE: 1.2 - 7 GPM

OUTLET SIZE: 1" NPT

NOMINAL DIA. 4"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
4" MOTOR STANDARD, 3450 RPM.

Performance conforms to ISO 9906. 1999 (E) Annex A
Minimum submergence is 2 feet.

DIMENSIONS AND WEIGHTS

| MODEL NO. | FIG. | HP | MOTOR SIZE | DISCH. SIZE | DIMENSIONS IN INCHES | | | | | APPROX. SHIP WT. |
|-----------|------|-------|------------|-------------|----------------------|------|------|-----|-----|------------------|
| | | | | | A | B | C | D | E | |
| 5S03-9 | A | 1/3 | 4" | 1" NPT | 22.3 | 8.8 | 13.5 | 3.8 | 3.9 | 27 |
| 5S05-13 | A | 1/2 | 4" | 1" NPT | 26.4 | 9.5 | 16.9 | 3.8 | 3.9 | 31 |
| 5S07-18 | A | 3/4 | 4" | 1" NPT | 31.7 | 10.7 | 21.0 | 3.8 | 3.9 | 34 |
| 5S10-22 | A | 1 | 4" | 1" NPT | 36.1 | 11.8 | 24.3 | 3.8 | 3.9 | 42 |
| 5S15-26 | A | 1 1/2 | 4" | 1" NPT | 41.2 | 13.6 | 27.6 | 3.8 | 3.9 | 46 |
| 5S15-31 | A | 1 1/2 | 4" | 1" NPT | 47.1 | 13.6 | 33.5 | 3.8 | 3.9 | 58 |
| 5S20-39DS | A | 2 | 4" | 1" NPT | 55.2 | 15.1 | 40.1 | 3.8 | 3.9 | 65 |
| 5S30-48DS | A | 3 | 4" | 1" NPT | 70.0 | 20.6 | 45.8 | 3.8 | 3.9 | 90 |

NOTES: All models suitable for use in 4" wells.
Weights include pump end with motor in lbs.

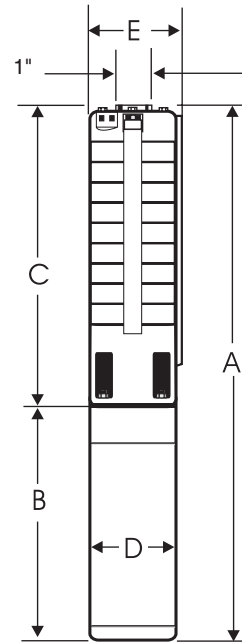


Fig. A

MATERIALS OF CONSTRUCTION

| COMPONENT | SPLINED SHAFT (9-26 Stgs.) | CYLINDRICAL SHAFT (31-48 Stgs.) |
|------------------------|-----------------------------|---------------------------------|
| Check Valve Housing | 304 Stainless Steel | 304 Stainless Steel |
| Check Valve | 304 Stainless Steel | 304 Stainless Steel |
| Diffuser Chamber | 304 Stainless Steel | 304 Stainless Steel |
| Impeller | 304 Stainless Steel | 304 Stainless Steel |
| Suction Interconnector | 304 Stainless Steel | 304 Stainless Steel |
| Inlet Screen | 304 Stainless Steel | 304 Stainless Steel |
| Pump Shaft | 304 Stainless Steel | 431 Stainless Steel |
| Straps | 304 Stainless Steel | 304 Stainless Steel |
| Cable Guard | 304 Stainless Steel | 304 Stainless Steel |
| Priming Inducer | 304 Stainless Steel | 316 Stainless Steel |
| Coupling | 329/420/431 Stainless Steel | 329/420/431 Stainless Steel |
| Check Valve Seat | NBR/304 Stainless Steel | NBR/316 Stainless Steel |
| Top Bearing | NBR/304 Stainless Steel | NBR/316 Stainless Steel |
| Impeller Seal Ring | NBR/PBT (Valox®) | NBR/PPS (Ryton®) |
| Intermediate Bearings | NBR | 304 Stainless Steel |
| Shaft Washer | Not Required | LCP (Vectra®) |
| Split Cone | Not Required | 304 Stainless Steel |
| Split Cone Nut | Not Required | 316 Stainless Steel |

NOTES: Specifications subject to change without notice.
Valox® is a registered trademark of General Electric Co.
Vectra® is a registered trademark of Hoechst Calanese Corporation.
Ryton® is a registered trademark of Phillips 66.