



FEATURES

Powered by CentriPro 4" motors for dependable operation and long service life.

Nylon discharge head features built-in, o-ring seal check valve which is easily removed without pump disassembly.

Nylon motor adapter for strength and corrosion resistance.

Stainless steel hex design shafts, shaft couplings, casings and stage bowls inhibit corrosion.

Noryl® engineered composite impellers for abrasion resistance and durability.

Lexan® engineered composite diffusers are abrasion resistant.

All engineered composite components are non-toxic, non-leaching, FDA compliant materials.

Goulds Water Technology field proven floating impeller stack design for superior sand and abrasive handling and durability.

Crimped design for strength, will not separate in the harshest conditions.

Complete pump/motor assemblies are CSA listed, CSA/CUS approved motors are available in 2-wire and 3-wire single phase designs.



HS

60 HZ STANDARD CAPACITY 4" SUBMERSIBLE PUMPS

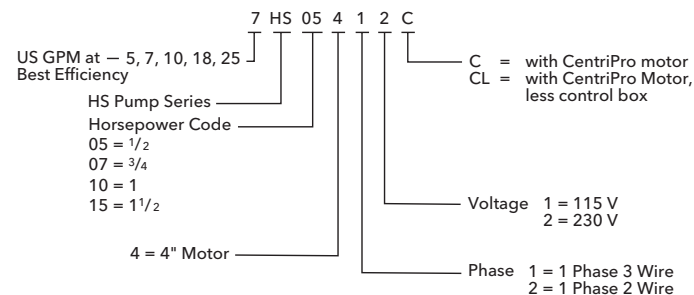
WATER END DATA

| Model | Order No. | Req. HP | Stages | Weight (lbs) | Length (in) |
|-------|-----------|---------|--------|--------------|-------------|
| 5HS | 5HS05 | ½ | 12 | 5.5 | 15.3 |
| | 5HS07 | ¾ | 15 | 6.5 | 17.3 |
| | 5HS10 | 1 | 20 | 8.1 | 20.8 |
| 7HS | 7HS05 | ½ | 10 | 4.9 | 14.1 |
| | 7HS07 | ¾ | 13 | 5.9 | 16.3 |
| | 7HS10 | 1 | 17 | 7.2 | 19.1 |
| 10HS | 10HS05 | ½ | 7 | 3.9 | 11.8 |
| | 10HS07 | ¾ | 10 | 4.9 | 13.9 |
| | 10HS10 | 1 | 12 | 5.5 | 15.3 |
| | 10HS15 | 1½ | 17 | 7.2 | 18.7 |
| 18HS | 18HS07 | ¾ | 6 | 3.8 | 12.1 |
| | 18HS10 | 1 | 8 | 4.5 | 13.8 |
| | 18HS15 | 1½ | 11 | 5.6 | 16.4 |
| 25HS | 25HS10 | 1 | 7 | 4.3 | 13.6 |
| | 25HS15 | 1½ | 9 | 5.1 | 15.4 |

MATERIALS OF CONSTRUCTION

| Part Name | Material |
|----------------------|-----------------------------------|
| Discharge Head | Glass Filled Engineered Composite |
| Check Valve Poppet | Delrin® |
| Check Valve O-ring | NBR |
| Bearing | Proprietary Engineered Polymer |
| Shaft Retaining Ring | AISI 301 SS |
| Diffuser | Lexan® |
| Impeller | Noryl®/GFN2 |
| Bowl | AISI 304 SS |
| Shim | AISI 304 SS |
| Inlet Strainer | Glass Filled Engineered Composite |
| Screws - Cable Guard | AISI 304 SS |
| Motor Adapter | Glass Filled Engineered Composite |
| Casing | AISI 304 SS |
| Shaft | |
| Coupling | AISI 304 SS, Powder Metal |
| Cable Guard | PVC |

NOMENCLATURE



GENERATION II - 2-WIRE & 3-WIRE WEIGHTS AND DIMENSIONS

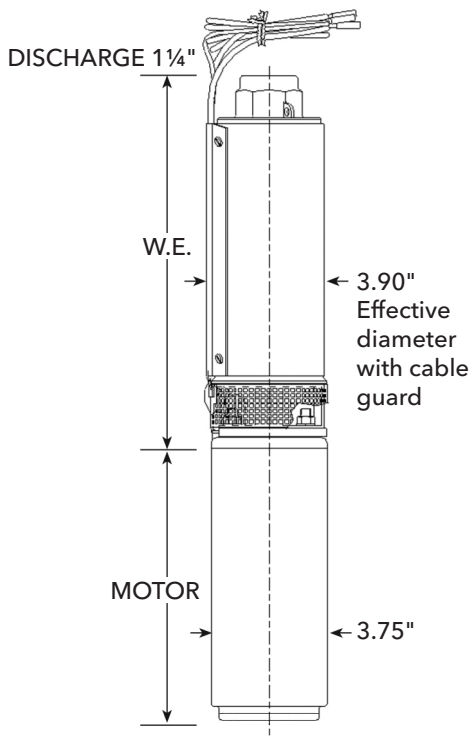
| Type | CentriPro Order No. | HP | Volts | Length (L) In. | Weight (lbs) |
|--------|---------------------|-----|-------|----------------|--------------|
| 2-Wire | M05421 | .5 | 115 | 10.5 | 18 |
| | M05422 | .5 | 230 | 10.5 | 18 |
| | M07422 | .75 | | 11.9 | 22 |
| | M10422 | 1 | | 12.5 | 24 |
| | M15422 | 1.5 | | 14.2 | 28 |
| 3-wire | M05411 | .5 | 115 | 9.6 | 18 |
| | M05412 | .5 | 230 | 9.2 | 17 |
| | M07412 | .75 | | 10.3 | 20 |
| | M10412 | 1 | | 11.2 | 22 |
| | M15412 | 1.5 | | 12.8 | 26 |
| | M20412 | 2 | | 15.1 | 31 |
| | M30412 | 3 | | 18.3 | 40 |
| | M50412 | 5 | | 27.7 | 70 |

2-WIRE MODELS WITH CENTRIPRO MOTOR

| Model | Order No. | HP | Stages | Volts | 2-Wire CP |
|-------|------------|----|--------|-------|-----------|
| 5HS | 5HS05421C | ½ | 12 | 115 | M05421 |
| | 5HS05422C | ½ | 12 | 230 | M05422 |
| | 5HS07422C | ¾ | 15 | 230 | M07422 |
| | 5HS10422C | 1 | 20 | 230 | M10422 |
| 7HS | 7HS05421C | ½ | 10 | 115 | M05421 |
| | 7HS05422C | ½ | 10 | 230 | M05422 |
| | 7HS07422C | ¾ | 13 | 230 | M07422 |
| | 7HS10422C | 1 | 17 | 230 | M10422 |
| 10HS | 10HS05421C | ½ | 7 | 115 | M05421 |
| | 10HS05422C | ½ | 7 | 230 | M05422 |
| | 10HS07422C | ¾ | 10 | 230 | M07422 |
| | 10HS10422C | 1 | 12 | 230 | M10422 |
| | 10HS15422C | 1½ | 17 | 230 | M15422 |
| 18HS | 18HS07422C | ¾ | 6 | 230 | M07422 |
| | 18HS10422C | 1 | 8 | 230 | M10422 |
| | 18HS15422C | 1½ | 11 | 230 | M15422 |
| 25HS | 25HS10422C | 1 | 7 | 230 | M10422 |
| | 25HS15422C | 1½ | 9 | 230 | M15422 |

3-WIRE MODELS WITH CENTRIPRO MOTOR

| Model | Order No. | HP | Stages | Volts | 3-Wire CP |
|-------|------------|----|--------|-------|-----------|
| 5HS | 5HS05411C | ½ | 12 | 115 | M05411 |
| | 5HS05412C | ½ | 12 | 230 | M05412 |
| | 5HS07412C | ¾ | 15 | 230 | M07412 |
| | 5HS10412C | 1 | 20 | 230 | M10412 |
| 7HS | 7HS05411C | ½ | 10 | 115 | M05411 |
| | 7HS05412C | ½ | 10 | 230 | M05412 |
| | 7HS07412C | ¾ | 13 | 230 | M07412 |
| | 7HS10412C | 1 | 17 | 230 | M10412 |
| 10HS | 10HS05411C | ½ | 7 | 115 | M05411 |
| | 10HS05412C | ½ | 7 | 230 | M05412 |
| | 10HS07412C | ¾ | 10 | 230 | M07412 |
| | 10HS10412C | 1 | 12 | 230 | M10412 |
| | 10HS15412C | 1½ | 17 | 230 | M15412 |
| 18HS | 18HS07412C | ¾ | 6 | 230 | M07412 |
| | 18HS10412C | 1 | 8 | 230 | M10412 |
| | 18HS15412C | 1½ | 11 | 230 | M15412 |
| 25HS | 25HS10412C | 1 | 7 | 230 | M10412 |
| | 25HS15412C | 1½ | 9 | 230 | M15412 |



MODEL 10HS

SELECTION CHART

Horsepower Range ½ - 1½, Recommended Range 3 - 16 GPM, 60 Hz, 3450 RPM

| Pump Model | HP | PSI | Depth to Water in Feet/Ratings in US GPM (Gallons per Minute) | | | | | | | | | | | | | | | | | | | | | |
|--------------|----|-----|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|
| | | | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 340 | 380 | 420 | 460 | 500 | 540 | |
| 10HS05 | ½ | 0 | | | | 16.0 | 15.3 | 14.3 | 12.8 | 11.3 | 9.0 | 6.4 | | | | | | | | | | | | |
| | | 20 | | 15.9 | 14.9 | 13.8 | 12.5 | 10.8 | 8.3 | 4.8 | | | | | | | | | | | | | | |
| | | 30 | 15.7 | 14.6 | 13.5 | 12.3 | 10.5 | 7.8 | 4.0 | | | | | | | | | | | | | | | |
| | | 40 | 14.5 | 13.4 | 12.0 | 10.3 | 7.5 | 3.0 | | | | | | | | | | | | | | | | |
| | | 50 | 13.0 | 11.5 | 9.8 | 7.2 | | | | | | | | | | | | | | | | | | |
| | | 60 | 11.3 | 9.0 | 6.4 | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 89 | 81 | 72 | 63 | 55 | 46 | 37 | 29 | 20 | 11 | | | | | | | | | | | | |
| 10HS07 | ¾ | 0 | | | | 15.8 | 15.0 | 14.0 | 13.0 | 12.3 | 11.2 | 10.2 | 8.5 | 6.0 | | | | | | | | | | |
| | | 20 | | | | 15.7 | 14.8 | 13.9 | 12.8 | 12.0 | 11.0 | 9.8 | 8.2 | 5.5 | | | | | | | | | | |
| | | 30 | | | 15.6 | 14.7 | 13.8 | 12.7 | 11.9 | 10.8 | 9.7 | 8.1 | 5.2 | | | | | | | | | | | |
| | | 40 | 15.3 | 14.4 | 13.5 | 12.6 | 11.6 | 10.5 | 9.4 | 7.5 | 4.8 | | | | | | | | | | | | | |
| | | 50 | 14.3 | 13.4 | 12.5 | 11.5 | 10.3 | 9.0 | 7.0 | 4.0 | | | | | | | | | | | | | | |
| | | 60 | 13.0 | 12.1 | 11.3 | 10.4 | 9.5 | 8.7 | 7.8 | 6.9 | 6.1 | 5.2 | 4.3 | 3.5 | 2.6 | 1.7 | 9 | | | | | | | |
| Shut-off PSI | | | 130 | 121 | 113 | 104 | 95 | 87 | 78 | 69 | 61 | 52 | 43 | 35 | 26 | 17 | 9 | | | | | | | |
| 10HS10 | 1 | 0 | | | | | | | | | 15.8 | 15.2 | 14.5 | 13.7 | 12.8 | 12.0 | 11.0 | 10.0 | 6.7 | | | | | |
| | | 20 | | | | | | 15.7 | 14.9 | 14.3 | 13.5 | 12.7 | 11.7 | 10.6 | 9.6 | 8.1 | 6.5 | | | | | | | |
| | | 30 | | | | 16.0 | 15.6 | 14.8 | 14.2 | 13.3 | 12.5 | 11.6 | 10.4 | 9.4 | 7.8 | 5.5 | 3.0 | | | | | | | |
| | | 40 | | | 16.0 | 15.5 | 14.7 | 14.1 | 13.2 | 12.4 | 11.5 | 10.3 | 9.1 | 7.4 | 5.0 | 3.0 | | | | | | | | |
| | | 50 | | | 15.3 | 14.6 | 13.9 | 13.0 | 12.3 | 11.3 | 10.1 | 8.9 | 7.0 | 4.3 | | | | | | | | | | |
| | | 60 | 15.8 | 15.2 | 14.5 | 13.7 | 12.8 | 12.0 | 11.0 | 10.0 | 8.6 | 6.7 | 4.0 | | | | | | | | | | | |
| Shut-off PSI | | | 158 | 150 | 141 | 132 | 124 | 115 | 106 | 98 | 89 | 81 | 72 | 63 | 55 | 46 | 37 | 20 | | | | | | |
| 10HS15 | 1½ | 0 | | | | | | | | | | | | 15.7 | 15.3 | 14.8 | 14.4 | 13.3 | 12.2 | 10.9 | 9.3 | 7.1 | 3.0 | |
| | | 20 | | | | | | | | | | | | 16.0 | 15.6 | 15.2 | 14.7 | 14.3 | 13.7 | 13.2 | 11.9 | 10.6 | 9.0 | 6.5 |
| | | 30 | | | | | | | | | | 15.9 | 15.5 | 15.2 | 14.6 | 14.2 | 13.5 | 13.1 | 12.6 | 11.3 | 9.7 | 7.6 | 4.0 | |
| | | 40 | | | | | | | | 15.8 | 15.5 | 15.1 | 14.6 | 14.2 | 13.5 | 13.0 | 12.5 | 11.8 | 10.3 | 8.8 | 6.0 | | | |
| | | 50 | | | | | | 15.7 | 15.4 | 14.9 | 14.5 | 14.0 | 13.4 | 12.8 | 12.3 | 11.7 | 11.0 | 9.4 | 7.4 | 3.4 | | | | |
| | | 60 | | | | | 15.7 | 15.3 | 14.8 | 14.4 | 13.9 | 13.3 | 12.8 | 12.2 | 11.6 | 10.9 | 10.1 | 8.1 | 5.6 | | | | | |
| Shut-off PSI | | | | | | 197 | 188 | 180 | 171 | 162 | 154 | 144 | 136 | 128 | 119 | 110 | 93 | 76 | 58 | 41 | 24 | 6 | | |

MODEL 18HS

SELECTION CHART

Horsepower Range $\frac{3}{4}$ - $1\frac{1}{2}$, Recommended Range 6 - 28 GPM, 60 Hz, 3450 RPM

| Pump Model | HP | PSI | Depth to Water in Feet/Ratings in US GPM (Gallons per Minute) | | | | | | | | | | | | | | |
|---------------------|----------------|-----|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 |
| 18HS07 | $\frac{3}{4}$ | 0 | | | 28.2 | 26.5 | 24.0 | 21.0 | 17.9 | 13.5 | | | | | | | |
| | | 20 | 27.7 | 25.9 | 23.0 | 20.0 | 16.5 | 10.8 | | | | | | | | | |
| | | 30 | 25.0 | 22.0 | 18.8 | 15.7 | 9.5 | | | | | | | | | | |
| | | 40 | 22.2 | 18.9 | 15.1 | 9.0 | | | | | | | | | | | |
| | | 50 | 18.4 | 15.0 | 7.5 | | | | | | | | | | | | |
| | | 60 | 13.5 | 5.0 | | | | | | | | | | | | | |
| Shut-off PSI | | | 74 | 66 | 58 | 49 | 40 | 32 | 23 | 14 | | | | | | | |
| 18HS10 | 1 | 0 | | | | | 27.0 | 25.5 | 23.6 | 21.2 | 18.8 | 15.9 | 12.0 | | | | |
| | | 20 | | 28.0 | 26.6 | 25.1 | 22.7 | 20.0 | 17.6 | 14.0 | 10.0 | | | | | | |
| | | 30 | 27.9 | 26.1 | 24.3 | 22.2 | 19.8 | 17.1 | 13.8 | 8.3 | | | | | | | |
| | | 40 | 26.0 | 24.1 | 22.0 | 19.7 | 17.0 | 13.1 | 8.0 | | | | | | | | |
| | | 50 | 24.0 | 22.0 | 19.1 | 16.5 | 13.0 | 7.1 | | | | | | | | | |
| | | 60 | 21.0 | 18.6 | 15.8 | 12.0 | | | | | | | | | | | |
| Shut-off PSI | | | 103 | 94 | 86 | 77 | 68 | 60 | 51 | 42 | 34 | 25 | 16 | | | | |
| 18HS15 | $1\frac{1}{2}$ | 0 | | | | | | 28.4 | 27.2 | 26.0 | 24.8 | 23.0 | 21.4 | 19.6 | 17.5 | 15.0 | 12.1 |
| | | 20 | | | | | 27.8 | 26.8 | 25.4 | 24.0 | 22.2 | 20.6 | 18.8 | 16.7 | 14.0 | 10.0 | |
| | | 30 | | | 27.7 | 26.5 | 25.3 | 23.8 | 22.0 | 20.2 | 18.5 | 16.1 | 13.5 | 10.0 | | | |
| | | 40 | | 27.5 | 26.3 | 25.0 | 23.6 | 22.0 | 20.1 | 18.1 | 16.0 | 13.1 | 9.5 | | | | |
| | | 50 | 27.6 | 26.4 | 25.0 | 23.4 | 21.8 | 20.0 | 18.0 | 15.5 | 13.0 | 9.2 | | | | | |
| | | 60 | 26.0 | 24.6 | 23.0 | 21.2 | 19.5 | 17.5 | 15.0 | 12.0 | 7.9 | | | | | | |
| Shut-off PSI | | | 143 | 134 | 126 | 117 | 108 | 100 | 91 | 82 | 74 | 65 | 56 | 48 | 39 | 30 | 22 |

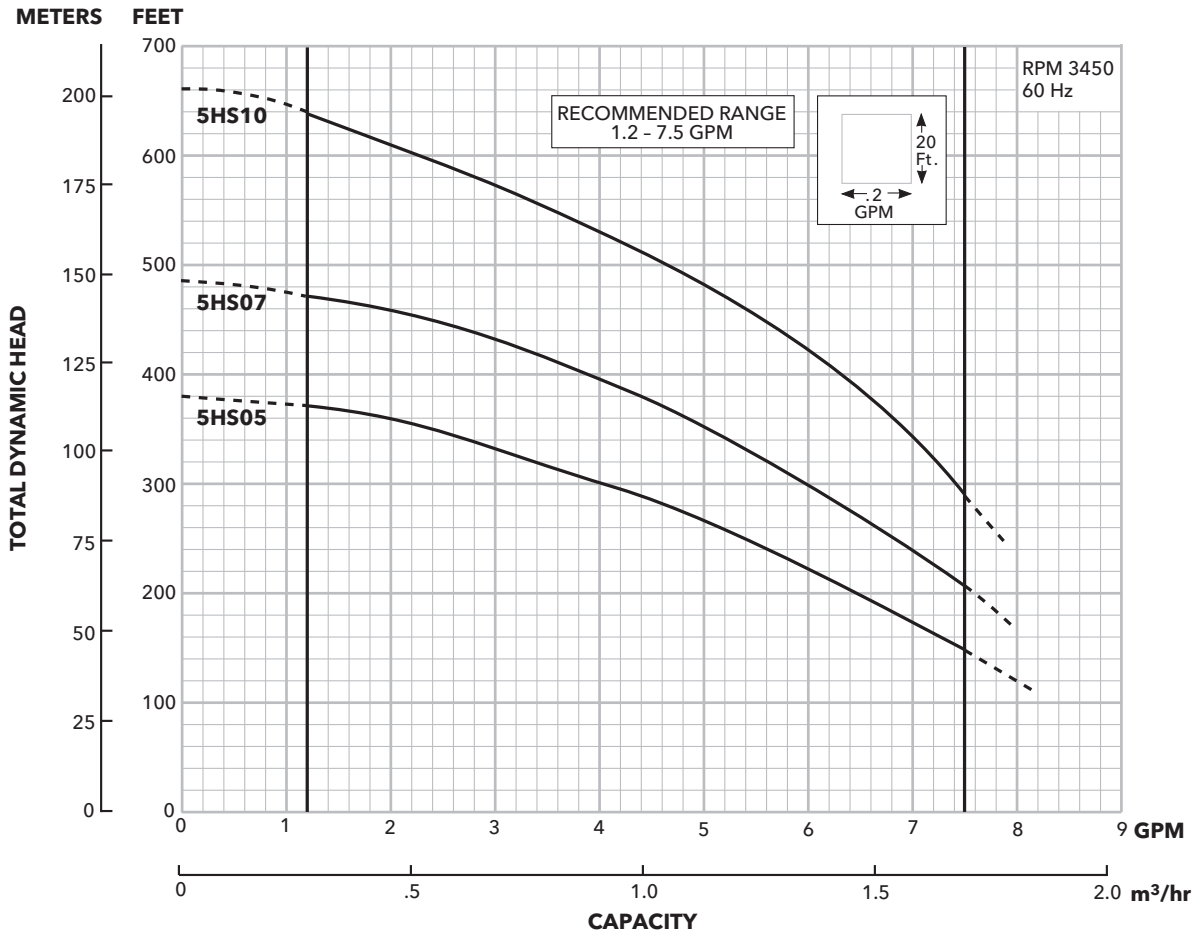
MODEL 25HS

SELECTION CHART

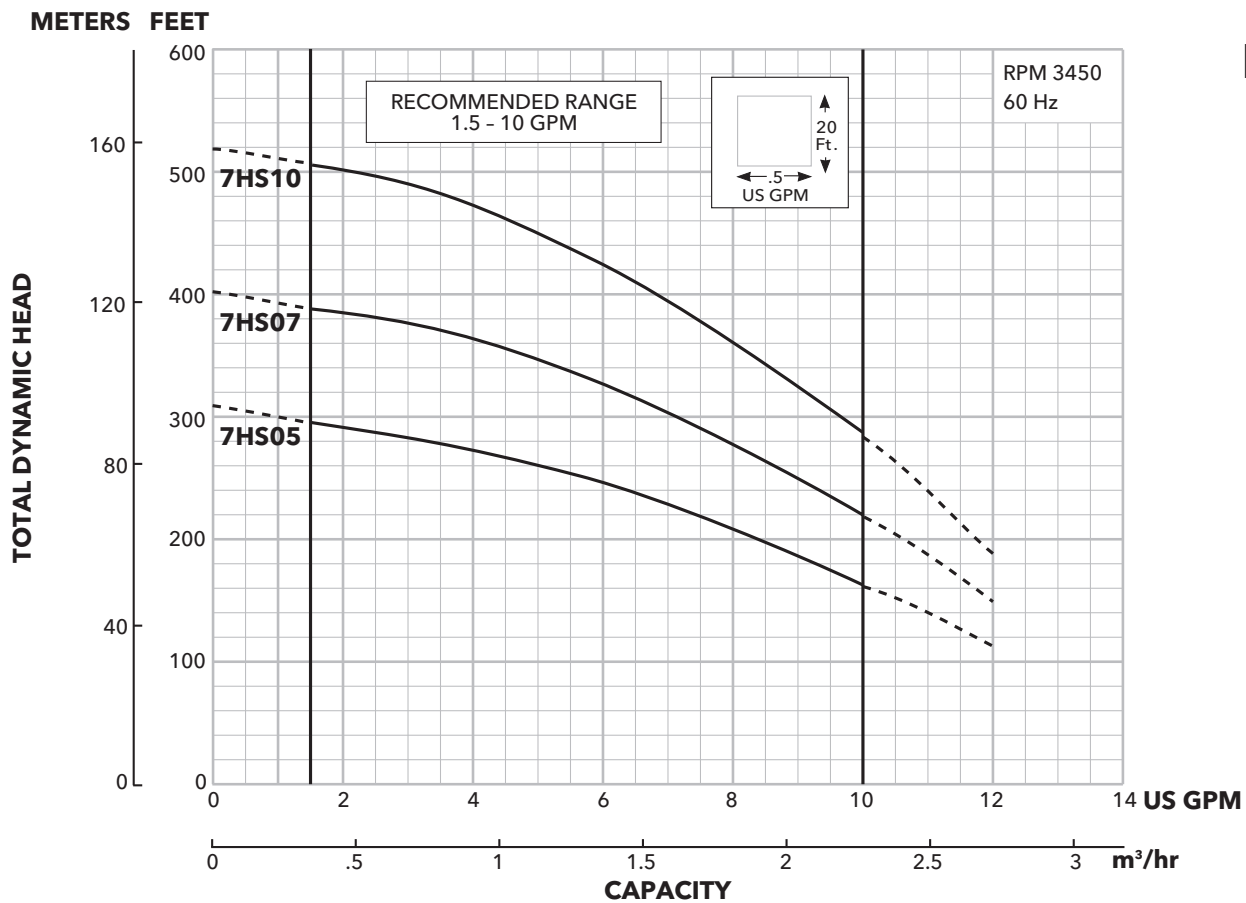
Horsepower Range 1, Recommended Range 8 - 33 GPM, 60 Hz, 3450 RPM

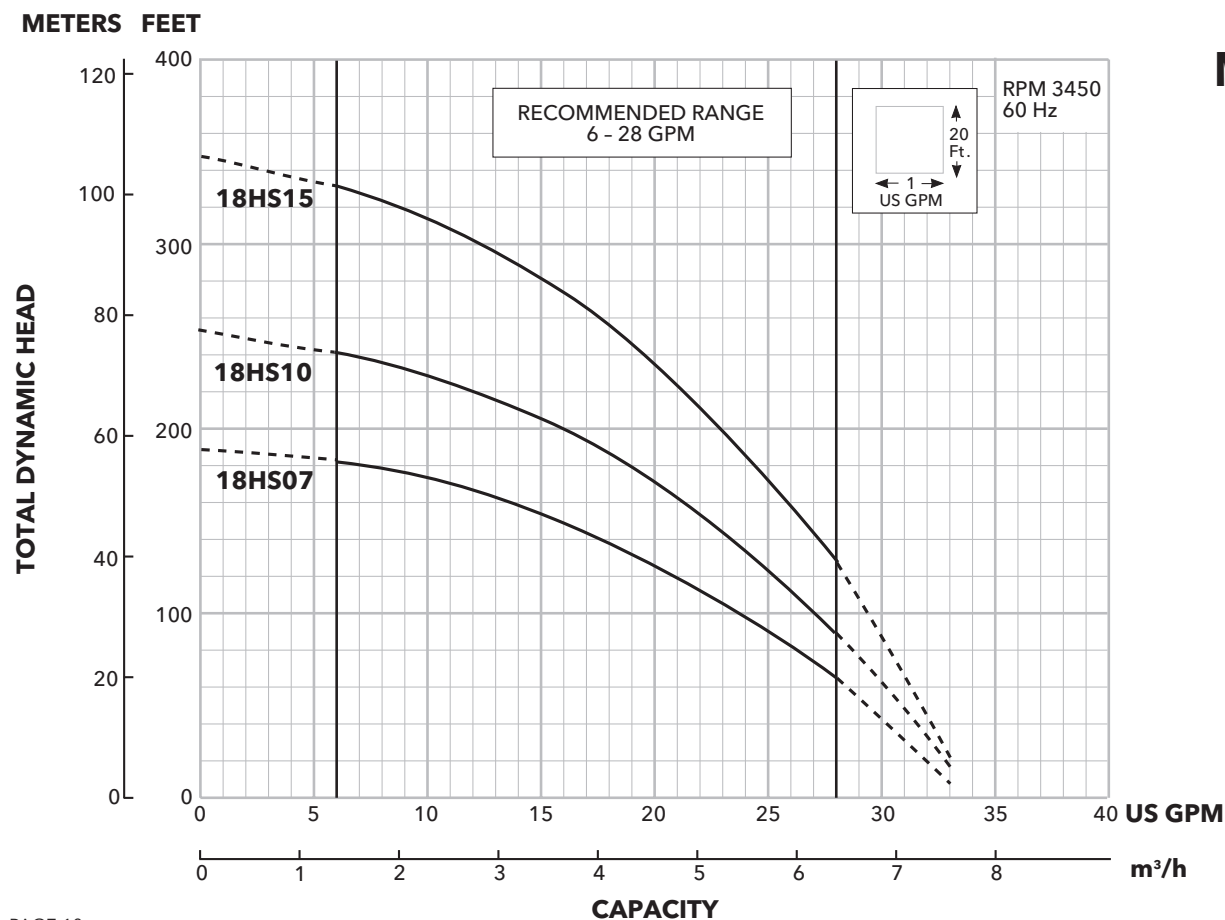
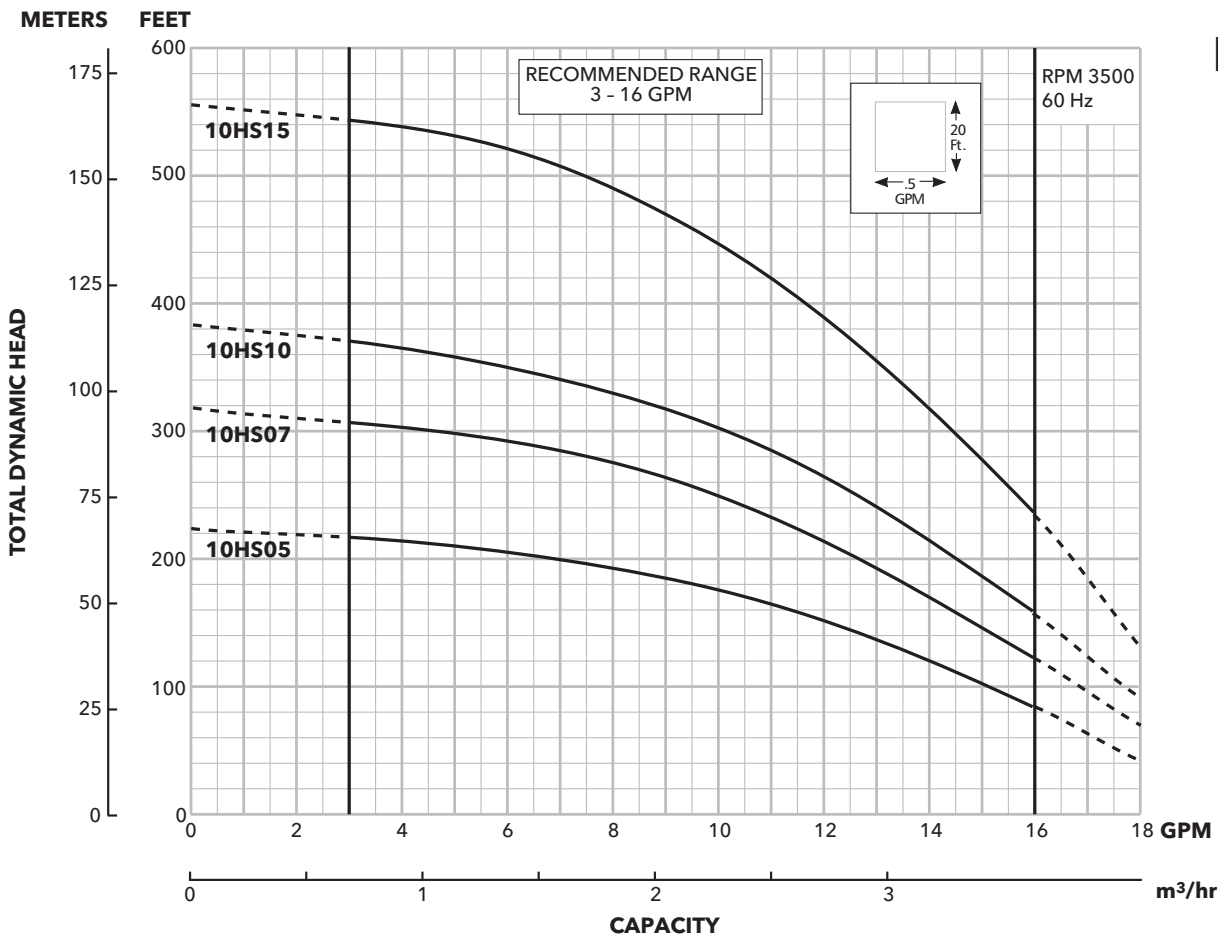
| Pump Model | HP | PSI | Depth to Water in Feet/Ratings in GPM (Gallons per Minute) | | | | | | | | | | | | |
|--------------|----|-----|--|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 |
| 25HS10 | 1 | 0 | | | 31.5 | 29.3 | 27.2 | 24.7 | 22.8 | 18.9 | 15.0 | 10.7 | | | |
| | | 20 | 30.8 | 29.1 | 26.7 | 24.4 | 21.3 | 18.4 | 14.6 | 7.8 | | | | | |
| | | 30 | 28.7 | 26.4 | 24.3 | 21.0 | 17.5 | 13.6 | | | | | | | |
| | | 40 | 26.3 | 24.2 | 20.9 | 17.4 | 13.5 | | | | | | | | |
| | | 50 | 23.6 | 20.4 | 17.0 | 12.6 | | | | | | | | | |
| | | 60 | 19.4 | 15.7 | 10.7 | | | | | | | | | | |
| Shut-off PSI | | | 80 | 72 | 63 | 54 | 47 | 38 | 29 | 21 | 13 | 4 | | | |
| 25HS15 | 1½ | 0 | | | | 32.0 | 30.8 | 29.4 | 27.9 | 26.1 | 24.1 | 21.3 | 19.2 | 16.5 | 11.0 |
| | | 20 | | 31.6 | 30.3 | 28.7 | 27.2 | 25.2 | 23.1 | 20.4 | 17.6 | 14.4 | 7.8 | | |
| | | 30 | 31.5 | 30.1 | 28.6 | 26.8 | 24.8 | 22.5 | 20.3 | 17.4 | 13.6 | | | | |
| | | 40 | 30.0 | 28.5 | 26.7 | 24.7 | 22.4 | 20.2 | 17.2 | 13.2 | | | | | |
| | | 50 | 28.1 | 26.4 | 24.3 | 22.2 | 19.8 | 16.7 | 12.6 | | | | | | |
| | | 60 | 26.1 | 24.1 | 21.3 | 19.2 | 16.0 | 10.7 | | | | | | | |
| Shut-off PSI | | | 108 | 100 | 91 | 82 | 75 | 66 | 57 | 49 | 41 | 32 | 24 | 16 | 7 |

Model 5HS

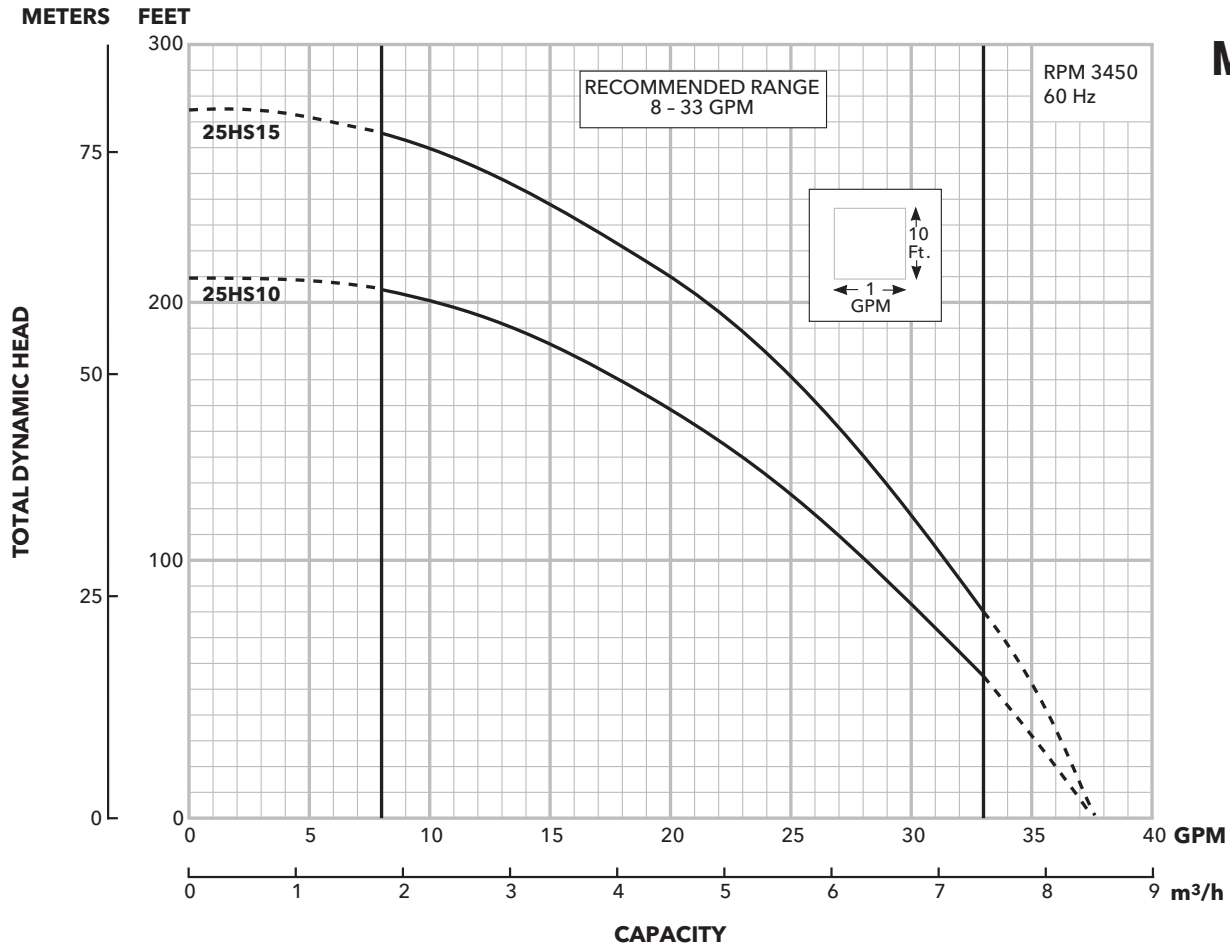


Model 7HS





Model 25HS



Xylem |'zīləm|

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

We're 12,900 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.

For more information on how Xylem can help you, go to www.xylem.com



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