

xylem
Let's Solve Water

TECHNICAL BROCHURE

B35-85GS R3



e-GS

35GS, 45GS, 65GS & 85GS

35-85 GPM 1-10HP, 60 HZ, SUBMERSIBLE PUMPS



 **GOULDS**
WATER TECHNOLOGY
a xylem brand

FEATURES

Powered for Continuous Operation: All ratings are within the working limits of the motor as recommended by the motor manufacturer. Pump can be operated continuously without damage to the motor.

Field Serviceable: Units have left hand threads and are field serviceable with common tools and readily available repair parts.

Sand Handling Design: Our face clearance, floating impeller stack has proven itself for over 50 years as a superior sand handling, durable pump design.

FDA Compliant Non-Metallic Parts: Impellers, diffusers and bearing spiders are constructed of glass filled engineered composites. They are corrosion resistant and non-toxic.

Discharge Head/Check Valve: Cast 303 stainless steel for strength and durability. Two cast-in safety line loops for installer convenience. The built-in check valve is constructed of stainless steel and FDA compliant BUNA rubber for abrasion resistance and quiet operation.

Motor Adapter: Cast 303 stainless steel for rigid, accurate alignment of pump and motor. Easy access to motor mounting nuts using standard open end wrench.

Stainless Steel Casing: Polished stainless steel is strong and corrosion resistant.

Hex Shaft Design: Six sided shafts for positive impeller drive.

Engineered Polymer Bearings: The proprietary, engineered polymer bearing material is strong and resistant to abrasion and wear. The enclosed upper bearing is mounted in a durable glass filled engineered composite bearing spider for excellent abrasion resistance.

WATER END DATA

| Series | Model | Required HP | Stages | Water End | |
|--------|---------|-------------|--------|-------------|--------------|
| | | | | Length (in) | Weight (lbs) |
| 35GS | 35GS10 | 1 | 6 | 14.2 | 8 |
| | 35GS15 | 1.5 | 8 | 16.6 | 9 |
| | 35GS20 | 2 | 10 | 19.1 | 10 |
| | 35GS30 | 3 | 14 | 24.0 | 13 |
| | 35GS50 | 5 | 23 | 36.4 | 20 |
| | 35GS75 | 7.5 | 36 | 53.0 | 28 |
| | 35GS100 | 10 | 46 | 65.2 | 34 |
| 45GS | 45GS15 | 1.5 | 5 | 12.9 | 8 |
| | 45GS20 | 2 | 7 | 15.4 | 9 |
| | 45GS30 | 3 | 10 | 19.0 | 10 |
| | 45GS50 | 5 | 17 | 27.7 | 15 |
| | 45GS75 | 7.5 | 25 | 38.9 | 21 |
| | 45GS100 | 10 | 34 | 50.6 | 27 |
| 65GS | 65GS15 | 1.5 | 6 | 19.1 | 10 |
| | 65GS20 | 2 | 7 | 21.2 | 11 |
| | 65GS30 | 3 | 10 | 27.4 | 12 |
| | 65GS50 | 5 | 16 | 41.2 | 18 |
| | 65GS75 | 7.5 | 26 | 62.3 | 35 |
| | 65GS100 | 10 | 33 | 76.8 | 42 |
| 85GS | 85GS30 | 3 | 8 | 29.4 | 13 |
| | 85GS50 | 5 | 14 | 42.8 | 18 |
| | 85GS75 | 7.5 | 21 | 63.8 | 35 |
| | 85GS100 | 10 | 27 | 79.9 | 41 |

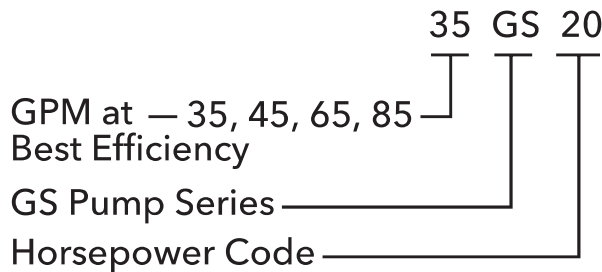
SPECIFICATIONS

| Model | Flow Range GPM | Horse-Power Range | Best Efficiency GPM | Discharge Connection | Minimum Well Size | Rotation |
|-------|----------------|-------------------|---------------------|----------------------|-------------------|----------|
| 35GS | 10-50 | 1.0 - 10 | 35 | 2" | 4" | CCW |
| 45GS | 20 - 65 | 1.5 - 10 | 45 | 2" | 4" | CCW |
| 65GS | 30 - 80 | 1.5 - 10 | 65 | 2" | 4" | CCW |
| 85GS | 40 - 120 | 3.0 - 10 | 85 | 2" | 4" | CCW |

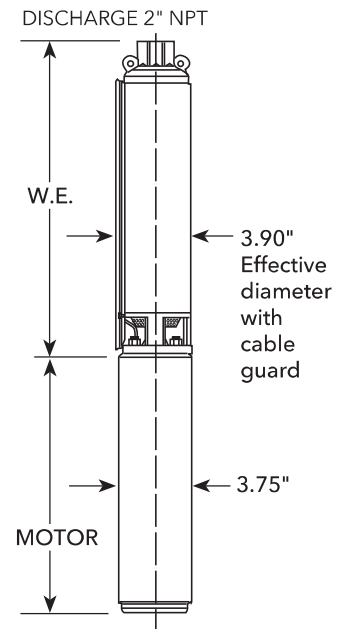
"GS" SERIES MATERIALS OF CONSTRUCTION

| Part Name | Material |
|------------------------------|-----------------------------------|
| Discharge Head | AISI 303 SS |
| Check Valve Poppet | AISI 303 SS |
| Check Valve Seal | BUNA, FDA Compliant |
| Check Valve Seat | AISI 304 SS |
| Check Valve Retaining Ring | AISI 302 SS |
| Bearing Spider - Upper | Glass filled engineered composite |
| Bearing | Proprietary Engineered Polymer |
| Klipring | AISI 301 SS |
| Diffuser | Glass filled engineered composite |
| Impeller | Glass filled engineered composite |
| Bowl | AISI 304 SS |
| Intermediate Sleeve* | AISI 304 SS, Powder Metal |
| Intermediate Shaft Coupling* | AISI 304 SS, Powder Metal |
| Intermediate Bearing Spider* | Glass filled engineered composite |
| Intermediate Bearing Spider* | AISI 303 SS |
| Shim | AISI 304 SS |
| Screws - Cable Guard | AISI 304 SS |
| Motor Adapter | AISI 303 SS |
| Casing | AISI 304 SS |
| Shaft | 17-4 PH Stainless Steel |
| Coupling | AISI 304 SS, Powder Metal |
| Cable Guard | AISI 304 SS |
| Suction Screen | AISI 304 SS |

NOMENCLATURE - SOLD AS WATER ENDS ONLY



- | | |
|------------|------------|
| 10 = 1 | 50 = 5 |
| 15 = 1 1/2 | 75 = 7 1/2 |
| 20 = 2 | 100 = 10 |
| 30 = 3 | |



CENTRIPRO 4" SINGLE-PHASE MOTORS

| Order No. | Type | HP | Volts | Length in. (mm) | Weight lb. (kg.) |
|-----------|------------|-----|-------|-----------------|------------------|
| M10422 | 2-wire PSC | 1 | 230 | 13.3 (337) | 24.5 (11.1) |
| M15422 | | 1.5 | | 14.9 (378) | 28.9 (13.1) |
| M10412 | 3-wire | 1 | 230 | 11.7 (297) | 23.1 (10.5) |
| M15412 | | 1.5 | | 13.6 (345) | 27.4 (12.4) |
| M20412 | | 2 | | 15.1 (383) | 31.0 (14.1) |
| M30412 | | 3 | | 18.3 (466) | 40.0 (18.1) |
| M50412 | | 5 | | 27.7 (703) | 70.0 (31.8) |

CENTRIPRO 4" THREE-PHASE MOTORS

| Order No. | HP | Volts | Length in. (mm) | Weight lb. (kg.) |
|-----------|-----|-------|-----------------|------------------|
| M10430 | 1 | 200 | 11.7 (297) | 22 (10.4) |
| M15430 | 1.5 | | 11.7 (297) | 22 (10.4) |
| M20430 | 2 | | 13.8 (351) | 28 (12.7) |
| M30430 | 3 | | 15.3 (389) | 32 (14.5) |
| M50430 | 5 | | 21.7 (550) | 55 (24.9) |
| M75430 | 7.5 | | 27.7 (703) | 70 (31.8) |
| M10432 | 1 | 230 | 11.7 (297) | 23 (10.4) |
| M15432 | 1.5 | | 11.7 (297) | 23 (10.4) |
| M20432 | 2 | | 13.8 (351) | 28 (12.7) |
| M30432 | 3 | | 15.3 (389) | 32 (14.5) |
| M50432 | 5 | | 21.7 (550) | 55 (24.9) |
| M75432 | 7.5 | | 27.7 (703) | 70 (31.8) |
| M10434 | 1 | 460 | 11.7 (297) | 23 (10.4) |
| M15434 | 1.5 | | 11.7 (297) | 23 (10.4) |
| M20434 | 2 | | 13.8 (351) | 28 (12.7) |
| M30434 | 3 | | 15.3 (389) | 32 (14.5) |
| M50434 | 5 | | 21.7 (550) | 55 (24.9) |
| M75434 | 7.5 | | 27.7 (703) | 70 (31.8) |
| M100434 | 10 | | - | - |
| M15437 | 1.5 | 575 | 11.7 (297) | 23 (10.4) |
| M20437 | 2 | | 15.3 (389) | 32 (14.5) |
| M30437 | 3 | | 15.3 (389) | 32 (14.5) |
| M50437 | 5 | | 27.7 (703) | 70 (31.8) |
| M75437 | 7.5 | | 27.7 (703) | 70 (31.8) |

NEMA MOTOR

- Corrosion resistant stainless steel construction.
- Built-in surge arrestor is provided on single phase motors through 5 HP.
- Stainless steel splined shaft.
- Hermetically sealed windings.
- Replaceable motor lead assembly.
- NEMA mounting dimensions.
- Control box is required with 3 wire single phase units.
- Three phase units require a magnetic starter with three leg Class 10 overload protection.

AGENCY LISTINGS



CentriPro Motor - tested to UL778 and CAN 22.2 by CSA International (Canadian Standards Association)



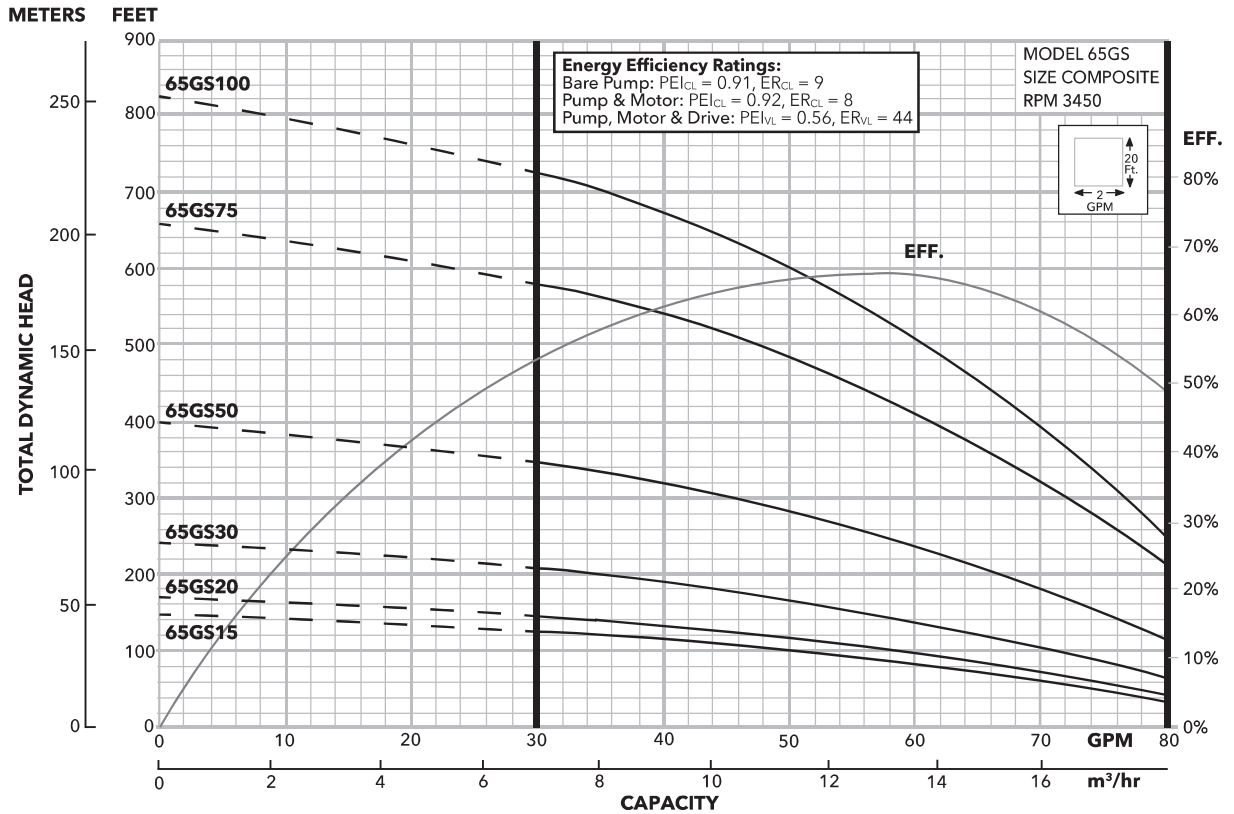
CentriPro Motor - Certified to NSF/ANSI 61, Annex G, Drinking Water System Components 4P49



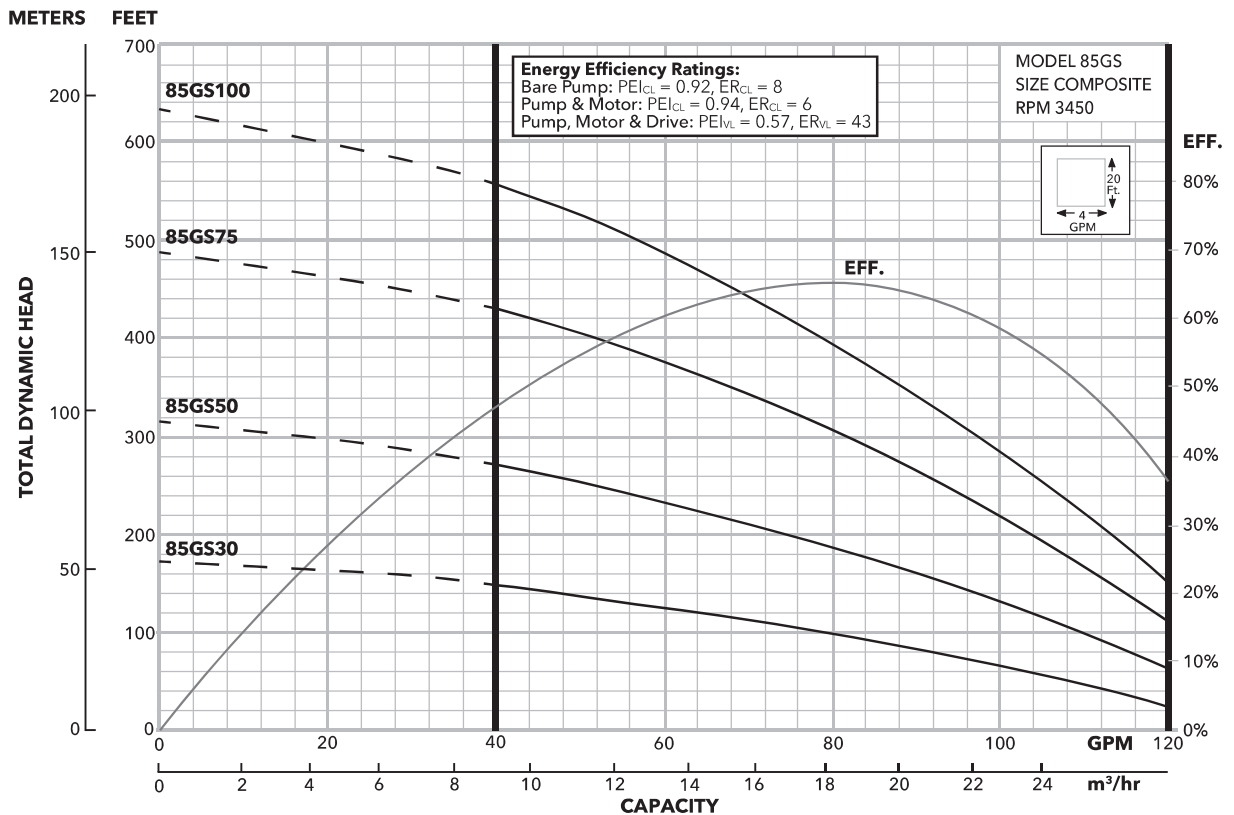
NSF/ANSI 372 - Drinking Water System Components - Lead Content

CLASS 6853 01 - Low Lead Content Certification Program - - Plumbing Products

Model 65GS



Model 85GS



MODEL 35GS

SELECTION CHART

Horsepower Range 1 - 3, Recommended Range 10 - 50 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 | 280 | 300 | 320 | 340 | 360 | 380 | 400 | 420 | 440 | 460 | 480 | 520 | 560 | 600 | |
| 35GS10 | 1 | 0 | | 49 | 46 | 42 | 38 | 33 | 26 | 15 | | | | | | | | | | | | | | | | | | | | |
| | | 20 | 44 | 40 | 36 | 31 | 23 | 11 | | | | | | | | | | | | | | | | | | | | | | |
| | | 30 | 40 | 36 | 30 | 22 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 40 | 35 | 29 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 50 | 28 | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 60 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 69 | 60 | 52 | 43 | 34 | 26 | 17 | 8 | | | | | | | | | | | | | | | | | | | | |
| 35GS15 | 1½ | 0 | | | 48 | 46 | 43 | 40 | 37 | 33 | 29 | 23 | 14 | | | | | | | | | | | | | | | | | |
| | | 20 | 47 | 45 | 43 | 39 | 36 | 32 | 28 | 21 | 10 | | | | | | | | | | | | | | | | | | | |
| | | 30 | 45 | 42 | 39 | 35 | 32 | 27 | 19 | | | | | | | | | | | | | | | | | | | | | |
| | | 40 | 42 | 38 | 35 | 31 | 26 | 18 | | | | | | | | | | | | | | | | | | | | | | |
| | | 50 | 38 | 34 | 30 | 25 | 16 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 60 | 34 | 29 | 24 | 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 97 | 88 | 79 | 71 | 62 | 53 | 45 | 36 | 27 | 19 | 10 | | | | | | | | | | | | | | | | | |
| 35GS20 | 2 | 0 | | | 50 | 48 | 46 | 44 | 42 | 39 | 37 | 34 | 30 | 26 | 20 | 12 | | | | | | | | | | | | | | |
| | | 20 | 49 | 47 | 45 | 43 | 41 | 38 | 36 | 33 | 29 | 24 | 17 | | | | | | | | | | | | | | | | | |
| | | 30 | 47 | 45 | 43 | 40 | 38 | 35 | 32 | 28 | 23 | 16 | | | | | | | | | | | | | | | | | | |
| | | 40 | 44 | 42 | 40 | 38 | 35 | 32 | 27 | 22 | 15 | | | | | | | | | | | | | | | | | | | |
| | | 50 | 42 | 40 | 37 | 34 | 31 | 27 | 21 | 14 | | | | | | | | | | | | | | | | | | | | |
| | | 60 | 39 | 37 | 34 | 30 | 26 | 20 | 12 | | | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 123 | 114 | 105 | 97 | 88 | 79 | 71 | 62 | 53 | 45 | 36 | 27 | 19 | 10 | | | | | | | | | | | | | | |
| 35GS30 | 3 | 0 | | | 50 | 48 | 47 | 45 | 44 | 42 | 41 | 39 | 38 | 36 | 34 | 31 | 28 | 25 | 21 | 16 | 10 | | | | | | | | | |
| | | 20 | | 49 | 48 | 46 | 45 | 43 | 42 | 40 | 39 | 37 | 35 | 33 | 30 | 27 | 24 | 19 | 14 | | | | | | | | | | | |
| | | 30 | 49 | 47 | 46 | 45 | 43 | 42 | 40 | 39 | 37 | 35 | 33 | 30 | 27 | 23 | 18 | 13 | | | | | | | | | | | | |
| | | 40 | 47 | 46 | 44 | 43 | 41 | 40 | 38 | 37 | 35 | 32 | 30 | 26 | 22 | 18 | 12 | | | | | | | | | | | | | |
| | | 50 | 46 | 44 | 43 | 41 | 40 | 38 | 36 | 34 | 32 | 29 | 26 | 22 | 17 | 11 | | | | | | | | | | | | | | |
| | | 60 | 44 | 42 | 41 | 39 | 38 | 36 | 34 | 31 | 29 | 25 | 21 | 16 | 10 | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 176 | 168 | 159 | 150 | 142 | 133 | 124 | 116 | 107 | 98 | 90 | 81 | 72 | 64 | 55 | 46 | 38 | 29 | 20 | 12 | | | | | | | | |

Horsepower Range 5-10, Recommended Range 10 - 50 GPM, 60 Hz, 3450 RPM

| Pump Model | HP | PSI | Depth to Water in Feet/Ratings in GPM (Gallons per Minute) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|----|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|--|
| | | | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 | 1100 | 1150 | 1200 | 1250 | 1300 | 1350 | |
| 35GS50 | 5 | 0 | | | 50 | 48 | 46 | 43 | 41 | 38 | 35 | 31 | 26 | 19 | 11 | | | | | | | | | | | | | | | |
| | | 20 | | 50 | 48 | 46 | 44 | 41 | 38 | 35 | 31 | 26 | 20 | 12 | | | | | | | | | | | | | | | | |
| | | 30 | | 49 | 47 | 45 | 42 | 40 | 37 | 33 | 29 | 24 | 16 | | | | | | | | | | | | | | | | | |
| | | 40 | 50 | 48 | 46 | 44 | 41 | 38 | 35 | 31 | 27 | 20 | 12 | | | | | | | | | | | | | | | | | |
| | | 50 | 49 | 47 | 45 | 43 | 40 | 37 | 34 | 29 | 24 | 17 | | | | | | | | | | | | | | | | | | |
| | | 60 | 48 | 46 | 44 | 41 | 39 | 35 | 32 | 27 | 21 | 13 | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 280 | 259 | 237 | 215 | 194 | 172 | 150 | 129 | 107 | 85 | 64 | 42 | | | | | | | | | | | | | | | | |
| 35GS75 | 7½ | 0 | | | 50 | 48 | 47 | 46 | 44 | 43 | 41 | 39 | 37 | 35 | 33 | 30 | 27 | 24 | 19 | 14 | | | | | | | | | | |
| | | 20 | | | 50 | 49 | 47 | 46 | 44 | 43 | 41 | 39 | 37 | 35 | 33 | 31 | 28 | 24 | 20 | 14 | | | | | | | | | | |
| | | 30 | | | 50 | 49 | 48 | 47 | 45 | 44 | 42 | 40 | 38 | 37 | 34 | 32 | 29 | 26 | 22 | 17 | 12 | | | | | | | | | |
| | | 40 | | | 50 | 49 | 47 | 46 | 44 | 43 | 41 | 39 | 38 | 36 | 33 | 31 | 28 | 24 | 20 | 15 | | | | | | | | | | |
| | | 50 | 50 | 49 | 48 | 47 | 45 | 44 | 42 | 40 | 39 | 37 | 35 | 32 | 30 | 26 | 22 | 18 | 12 | | | | | | | | | | | |
| | | 60 | 50 | 49 | 47 | 46 | 45 | 43 | 41 | 40 | 38 | 36 | 34 | 31 | 28 | 25 | 20 | 15 | | | | | | | | | | | | |
| Shut-off PSI | | | 453 | 431 | 410 | 388 | 366 | 345 | 323 | 301 | 280 | 258 | 236 | 215 | 193 | 171 | 150 | 128 | 106 | 85 | 63 | 42 | | | | | | | | |
| 35GS100 | 10 | 0 | | | | | 49 | 48 | 47 | 46 | 45 | 44 | 42 | 41 | 40 | 38 | 37 | 35 | 33 | 31 | 29 | 26 | 24 | 20 | 16 | 11 | | | | |
| | | 20 | | | | | 49 | 48 | 47 | 46 | 45 | 44 | 42 | 41 | 40 | 38 | 37 | 35 | 33 | 31 | 29 | 27 | 24 | 20 | 16 | 12 | | | | |
| | | 30 | | | | | 49 | 48 | 47 | 45 | 44 | 43 | 42 | 40 | 39 | 38 | 36 | 34 | 32 | 30 | 28 | 25 | 22 | 19 | 14 | | | | | |
| | | 40 | | | | | 49 | 48 | 47 | 46 | 45 | 44 | 43 | 41 | 40 | 38 | 37 | 35 | 34 | 32 | 29 | 27 | 24 | 21 | 17 | 12 | | | | |
| | | 50 | | | | | 49 | 48 | 47 | 46 | 44 | 43 | 42 | 41 | 39 | 38 | 36 | 34 | 33 | 31 | 28 | 26 | 23 | 19 | 15 | 10 | | | | |
| | | 60 | | | | | 49 | 48 | 47 | 46 | 45 | 44 | 43 | 41 | 40 | 39 | 37 | 35 | 34 | 32 | 30 | 27 | 24 | 21 | 17 | 13 | | | | |
| Shut-off PSI | | | 583 | 561 | 540 | 518 | 496 | 475 | 453 | 431 | 410 | 388 | 366 | 345 | 323 | 302 | 280 | 258 | 237 | 215 | 193 | 172 | 150 | 128 | 107 | 85 | 63 | 42 | | |

MODEL 45GS

SELECTION CHART

Horsepower Range 1½ - 5, Recommended Range 20 - 65 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 | 280 | 300 | 320 | 340 | 360 | 380 | 400 | 440 | 480 | 520 | 560 | 600 | 640 | | |
| 45GS15 | 1½ | 0 | 64 | 61 | 57 | 52 | 46 | 37 | 23 | | | | | | | | | | | | | | | | | | | | | |
| | | 20 | 55 | 50 | 44 | 34 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 30 | 49 | 43 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 40 | 41 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 50 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 61 | 52 | 44 | 35 | 26 | 18 | 9 | | | | | | | | | | | | | | | | | | | | | |
| 45GS20 | 2 | 0 | | 62 | 60 | 57 | 53 | 49 | 45 | 40 | 32 | | | | | | | | | | | | | | | | | | | |
| | | 20 | 59 | 56 | 52 | 48 | 43 | 38 | 28 | | | | | | | | | | | | | | | | | | | | | |
| | | 30 | 55 | 51 | 47 | 43 | 36 | 26 | | | | | | | | | | | | | | | | | | | | | | |
| | | 40 | 51 | 47 | 42 | 35 | 25 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 50 | 46 | 41 | 34 | 22 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 60 | 40 | 37 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 88 | 80 | 71 | 63 | 54 | 45 | 37 | 28 | 19 | | | | | | | | | | | | | | | | | | | |
| 45GS30 | 3 | 0 | | 65 | 62 | 60 | 59 | 56 | 53 | 50 | 47 | 45 | 41 | 37 | 30 | 21 | | | | | | | | | | | | | | |
| | | 20 | 62 | 60 | 58 | 55 | 52 | 49 | 47 | 44 | 40 | 35 | 28 | | | | | | | | | | | | | | | | | |
| | | 30 | 60 | 58 | 55 | 52 | 49 | 46 | 43 | 39 | 34 | 26 | | | | | | | | | | | | | | | | | | |
| | | 40 | 57 | 54 | 51 | 49 | 46 | 42 | 38 | 33 | 25 | | | | | | | | | | | | | | | | | | | |
| | | 50 | 54 | 51 | 48 | 45 | 42 | 38 | 32 | 23 | | | | | | | | | | | | | | | | | | | | |
| | | 60 | 51 | 48 | 45 | 41 | 37 | 31 | 22 | | | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 130 | 121 | 113 | 104 | 95 | 87 | 78 | 69 | 61 | 52 | 43 | 35 | 26 | 17 | | | | | | | | | | | | | | |
| 45GS50 | 5 | 0 | | | 65 | 63 | 62 | 61 | 60 | 59 | 58 | 56 | 55 | 53 | 51 | 50 | 48 | 46 | 44 | 42 | 39 | 32 | 22 | | | | | | | |
| | | 20 | | 64 | 63 | 61 | 60 | 59 | 58 | 57 | 56 | 54 | 53 | 51 | 49 | 47 | 46 | 43 | 41 | 38 | 35 | 31 | 20 | | | | | | | |
| | | 30 | 64 | 62 | 61 | 60 | 59 | 58 | 57 | 55 | 54 | 52 | 51 | 49 | 47 | 45 | 43 | 41 | 38 | 34 | 30 | 25 | | | | | | | | |
| | | 40 | 62 | 61 | 60 | 59 | 58 | 57 | 55 | 54 | 52 | 50 | 49 | 47 | 45 | 43 | 40 | 37 | 33 | 29 | 24 | | | | | | | | | |
| | | 50 | 61 | 60 | 59 | 58 | 56 | 55 | 53 | 52 | 50 | 48 | 47 | 45 | 42 | 40 | 37 | 33 | 28 | 23 | | | | | | | | | | |
| | | 60 | 60 | 59 | 58 | 56 | 55 | 53 | 52 | 50 | 48 | 46 | 44 | 42 | 39 | 36 | 32 | 28 | 22 | | | | | | | | | | | |
| Shut-off PSI | | | 228 | 220 | 211 | 202 | 194 | 185 | 176 | 168 | 159 | 150 | 142 | 133 | 124 | 116 | 107 | 98 | 90 | 81 | 72 | 64 | 46 | 29 | | | | | | |

Horsepower Range 7½ - 10, Recommended Range 20-65 GPM, 3450 RPM

| Pump Model | HP | PSI | Depth to Water in Feet/Ratings in GPM (Gallons per Minute) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|----|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|--|--|
| | | | 40 | 80 | 120 | 160 | 200 | 240 | 280 | 320 | 360 | 400 | 440 | 480 | 520 | 560 | 600 | 640 | 680 | 720 | 760 | 800 | 840 | 880 | 920 | 960 | 1000 | 1040 | | |
| 45GS75 | 7½ | 0 | | | | 63 | 62 | 60 | 58 | 56 | 53 | 51 | 48 | 46 | 43 | 39 | 34 | 28 | 21 | | | | | | | | | | | |
| | | 20 | | | 63 | 61 | 60 | 57 | 55 | 53 | 50 | 48 | 45 | 42 | 38 | 33 | 27 | 19 | | | | | | | | | | | | |
| | | 30 | | 64 | 62 | 60 | 58 | 56 | 54 | 51 | 49 | 46 | 43 | 40 | 35 | 30 | 23 | | | | | | | | | | | | | |
| | | 40 | | 65 | 63 | 61 | 59 | 57 | 55 | 52 | 50 | 47 | 45 | 41 | 37 | 32 | 26 | | | | | | | | | | | | | |
| | | 50 | | 64 | 62 | 60 | 58 | 56 | 54 | 51 | 49 | 46 | 43 | 39 | 35 | 29 | 21 | | | | | | | | | | | | | |
| | | 60 | 65 | 63 | 61 | 59 | 57 | 55 | 52 | 50 | 47 | 44 | 41 | 37 | 31 | 25 | | | | | | | | | | | | | | |
| Shut-off PSI | | | 332 | 315 | 298 | 280 | 263 | 246 | 228 | 211 | 194 | 177 | 159 | 142 | 125 | 107 | 90 | 73 | 55 | 38 | | | | | | | | | | |
| 45GS100 | 10 | 0 | | | 65 | 64 | 63 | 61 | 60 | 58 | 57 | 55 | 54 | 53 | 51 | 50 | 48 | 46 | 44 | 42 | 39 | 36 | 32 | 28 | 23 | | | | | |
| | | 20 | | 65 | 64 | 63 | 62 | 60 | 59 | 57 | 56 | 54 | 53 | 52 | 50 | 49 | 48 | 46 | 44 | 42 | 39 | 36 | 32 | 27 | 22 | | | | | |
| | | 30 | | 65 | 64 | 63 | 62 | 60 | 59 | 57 | 56 | 54 | 53 | 52 | 50 | 49 | 47 | 45 | 43 | 40 | 37 | 33 | 29 | 24 | | | | | | |
| | | 40 | | 65 | 64 | 62 | 61 | 60 | 58 | 56 | 55 | 54 | 52 | 51 | 49 | 48 | 46 | 44 | 41 | 38 | 35 | 31 | 26 | 21 | | | | | | |
| | | 50 | 65 | 64 | 63 | 62 | 60 | 59 | 57 | 56 | 54 | 53 | 51 | 50 | 48 | 47 | 45 | 42 | 40 | 36 | 33 | 28 | 23 | | | | | | | |
| | | 60 | 65 | 64 | 62 | 61 | 59 | 58 | 56 | 55 | 53 | 52 | 50 | 49 | 47 | 45 | 43 | 41 | 38 | 34 | 30 | 26 | 20 | | | | | | | |
| Shut-off PSI | | | 456 | 439 | 422 | 404 | 387 | 370 | 353 | 335 | 318 | 301 | 283 | 266 | 249 | 231 | 214 | 197 | 179 | 162 | 145 | 127 | 110 | 93 | 75 | 58 | | | | |

MODEL 65GS

SELECTION CHART

Horsepower Range 1½ - 5, Recommended Range 30 - 80 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 | 280 | 300 | 320 | 340 | 360 | 380 | 400 | 440 | 480 |
| 65GS15 | 1½ | 0 | | 78 | 70 | 61 | 51 | 36 | | | | | | | | | | | | | | | | |
| | | 20 | 68 | 58 | 47 | 30 | | | | | | | | | | | | | | | | | | |
| | | 30 | 57 | 45 | | | | | | | | | | | | | | | | | | | | |
| | | 40 | 42 | | | | | | | | | | | | | | | | | | | | | |
| | | 50 | | | | | | | | | | | | | | | | | | | | | | |
| | | 60 | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 55 | 46 | 38 | 29 | 20 | 12 | | | | | | | | | | | | | | | | |
| 65GS20 | 2 | 0 | | 81 | 74 | 67 | 59 | 48 | 35 | | | | | | | | | | | | | | | |
| | | 20 | 72 | 64 | 56 | 45 | 30 | | | | | | | | | | | | | | | | | |
| | | 30 | 63 | 54 | 43 | | | | | | | | | | | | | | | | | | | |
| | | 40 | 53 | 41 | | | | | | | | | | | | | | | | | | | | |
| | | 50 | 39 | | | | | | | | | | | | | | | | | | | | | |
| | | 60 | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 65 | 56 | 48 | 39 | 30 | 22 | 13 | | | | | | | | | | | | | | | |
| 65GS30 | 3 | 0 | | | 81 | 76 | 71 | 66 | 59 | 53 | 45 | 35 | | | | | | | | | | | | |
| | | 20 | 80 | 75 | 69 | 64 | 57 | 51 | 42 | 32 | | | | | | | | | | | | | | |
| | | 30 | 74 | 69 | 63 | 56 | 49 | 41 | 30 | | | | | | | | | | | | | | | |
| | | 40 | 68 | 62 | 55 | 48 | 39 | | | | | | | | | | | | | | | | | |
| | | 50 | 61 | 54 | 47 | 38 | | | | | | | | | | | | | | | | | | |
| | | 60 | 53 | 46 | 36 | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 96 | 87 | 79 | 70 | 61 | 53 | 44 | 35 | 27 | 18 | | | | | | | | | | | | |
| 65GS50 | 5 | 0 | | | | | | 80 | 77 | 73 | 70 | 67 | 63 | 59 | 55 | 50 | 45 | 39 | 32 | | | | | |
| | | 20 | | | | | | 79 | 76 | 72 | 69 | 66 | 62 | 58 | 54 | 49 | 44 | 37 | 30 | | | | | |
| | | 30 | | | | 78 | 75 | 72 | 69 | 65 | 61 | 57 | 53 | 48 | 43 | 36 | | | | | | | | |
| | | 40 | | | 78 | 75 | 71 | 68 | 64 | 61 | 57 | 52 | 47 | 42 | 35 | | | | | | | | | |
| | | 50 | 77 | 74 | 71 | 67 | 64 | 60 | 56 | 52 | 47 | 41 | 34 | | | | | | | | | | | |
| | | 60 | 74 | 70 | 67 | 63 | 59 | 55 | 51 | 46 | 40 | 33 | | | | | | | | | | | | |
| Shut-off PSI | | | 164 | 155 | 147 | 138 | 129 | 121 | 112 | 103 | 95 | 86 | 77 | 69 | 60 | 51 | 43 | 34 | 26 | | | | | |

Horsepower Range 7½ - 10, Recommended Range 30 - 80 GPM, 60 Hz, 3450 RPM

| Pump Model | HP | PSI | Depth to Water in Feet/Ratings in GPM (Gallons per Minute) | | | | | | | | | | | | | | | | | | | | | |
|--------------|----|-----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | 40 | 80 | 120 | 160 | 200 | 240 | 280 | 320 | 360 | 400 | 440 | 480 | 520 | 560 | 600 | 640 | 680 | 720 | 760 | 800 | 840 | 880 |
| 65GS75 | 7½ | 0 | | | | | | 78 | 74 | 70 | 66 | 61 | 56 | 50 | 44 | 35 | | | | | | | | |
| | | 20 | | | | | 80 | 77 | 73 | 69 | 65 | 60 | 55 | 50 | 42 | 33 | | | | | | | | |
| | | 30 | | | | | 79 | 75 | 71 | 67 | 62 | 57 | 52 | 46 | 38 | | | | | | | | | |
| | | 40 | | | | 80 | 77 | 73 | 69 | 64 | 60 | 54 | 49 | 41 | 32 | | | | | | | | | |
| | | 50 | | | | 78 | 75 | 70 | 66 | 62 | 57 | 51 | 45 | 36 | | | | | | | | | | |
| | | 60 | | | | 79 | 76 | 72 | 68 | 64 | 59 | 54 | 48 | 40 | 30 | | | | | | | | | |
| Shut-off PSI | | | 268 | 251 | 233 | 216 | 199 | 181 | 164 | 147 | 129 | 112 | 95 | 77 | 60 | 43 | | | | | | | | |
| 65GS100 | 10 | 0 | | | | | | 80 | 78 | 75 | 72 | 69 | 66 | 62 | 58 | 54 | 50 | 45 | 39 | 31 | | | | |
| | | 20 | | | | | | 80 | 78 | 75 | 72 | 69 | 65 | 62 | 58 | 54 | 49 | 44 | 37 | 30 | | | | |
| | | 30 | | | | | | 79 | 76 | 73 | 70 | 67 | 63 | 59 | 55 | 51 | 46 | 40 | 33 | | | | | |
| | | 40 | | | | | 80 | 77 | 74 | 71 | 68 | 65 | 61 | 57 | 53 | 48 | 43 | 36 | | | | | | |
| | | 50 | | | | | 78 | 76 | 73 | 69 | 66 | 63 | 59 | 55 | 50 | 45 | 39 | 32 | | | | | | |
| | | 60 | | | | | 79 | 77 | 74 | 71 | 68 | 64 | 60 | 57 | 52 | 48 | 42 | 35 | | | | | | |
| Shut-off PSI | | | 339 | 322 | 305 | 288 | 270 | 253 | 236 | 218 | 201 | 184 | 166 | 149 | 132 | 114 | 97 | 80 | 62 | 45 | | | | |

MODEL 85GS

SELECTION CHART

Horsepower Range 3 - 10, Recommended Range 40 - 120 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 | 280 | 300 | 320 | 340 | 360 | 380 | 400 | 440 | 480 | 520 | |
| 85GS30 | 3 | 0 | | 112 | 103 | 92 | 79 | 64 | 48 | | | | | | | | | | | | | | | | | |
| | | 20 | 100 | 88 | 74 | 59 | 42 | | | | | | | | | | | | | | | | | | | |
| | | 30 | 86 | 72 | 57 | 39 | | | | | | | | | | | | | | | | | | | | |
| | | 40 | 70 | 54 | | | | | | | | | | | | | | | | | | | | | | |
| | | 50 | 52 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 60 | | | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 66 | 58 | 49 | 40 | 32 | | | | | | | | | | | | | | | | | | | |
| 85GS50 | 5 | 0 | | | | 114 | 109 | 103 | 97 | 90 | 83 | 74 | 66 | 57 | 47 | | | | | | | | | | | |
| | | 20 | 119 | 113 | 107 | 101 | 95 | 88 | 80 | 72 | 63 | 54 | 43 | | | | | | | | | | | | | |
| | | 30 | 112 | 106 | 101 | 94 | 87 | 79 | 70 | 62 | 52 | 41 | | | | | | | | | | | | | | |
| | | 40 | 105 | 100 | 93 | 85 | 77 | 69 | 60 | 51 | 40 | | | | | | | | | | | | | | | |
| | | 50 | 99 | 92 | 84 | 76 | 68 | 59 | 49 | | | | | | | | | | | | | | | | | |
| | | 60 | 91 | 83 | 75 | 66 | 58 | 48 | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | | 128 | 119 | 111 | 102 | 93 | 85 | 76 | 67 | 59 | 50 | 41 | 33 | 24 | | | | | | | | | | | |
| 85GS75 | 7½ | 0 | | | | | | 119 | 115 | 111 | 108 | 104 | 100 | 95 | 91 | 86 | 81 | 76 | 71 | 65 | 59 | 52 | | | | |
| | | 20 | | | | 118 | 114 | 110 | 106 | 102 | 98 | 94 | 89 | 84 | 80 | 74 | 69 | 63 | 57 | 50 | 41 | | | | | |
| | | 30 | | | 117 | 113 | 110 | 106 | 102 | 98 | 93 | 88 | 84 | 79 | 74 | 68 | 62 | 56 | 48 | 40 | | | | | | |
| | | 40 | 120 | 116 | 113 | 109 | 105 | 101 | 97 | 92 | 88 | 83 | 78 | 73 | 67 | 61 | 55 | 47 | | | | | | | | |
| | | 50 | 116 | 112 | 109 | 105 | 101 | 96 | 92 | 87 | 82 | 77 | 72 | 66 | 60 | 54 | 46 | | | | | | | | | |
| | | 60 | 112 | 108 | 104 | 100 | 95 | 91 | 86 | 81 | 76 | 71 | 66 | 59 | 53 | 45 | | | | | | | | | | |
| Shut-off PSI | | | 203 | 194 | 185 | 177 | 168 | 159 | 151 | 142 | 133 | 125 | 116 | 107 | 99 | 90 | 81 | 73 | 64 | 55 | 47 | 38 | | | | |
| 85GS100 | 10 | 0 | | | | | | | | 119 | 116 | 114 | 111 | 108 | 104 | 101 | 97 | 94 | 90 | 87 | 83 | 79 | 71 | 62 | 52 | |
| | | 20 | | | | | | | 118 | 116 | 113 | 110 | 107 | 103 | 100 | 96 | 93 | 89 | 85 | 82 | 78 | 74 | 70 | 61 | 50 | |
| | | 30 | | | | 120 | 118 | 115 | 112 | 109 | 106 | 102 | 99 | 95 | 92 | 88 | 84 | 81 | 77 | 73 | 68 | 64 | 59 | 48 | | |
| | | 40 | | | 120 | 117 | 115 | 112 | 109 | 106 | 102 | 99 | 95 | 92 | 88 | 84 | 81 | 77 | 73 | 68 | 64 | 59 | 48 | | | |
| | | 50 | | 120 | 117 | 114 | 111 | 108 | 105 | 102 | 98 | 95 | 91 | 87 | 84 | 80 | 76 | 72 | 68 | 63 | 58 | 53 | 40 | | | |
| | | 60 | 119 | 117 | 114 | 111 | 108 | 105 | 101 | 98 | 94 | 91 | 87 | 83 | 79 | 75 | 71 | 67 | 63 | 58 | 52 | 46 | | | | |
| Shut-off PSI | | | 265 | 257 | 248 | 239 | 231 | 222 | 213 | 205 | 196 | 188 | 179 | 170 | 162 | 153 | 144 | 136 | 127 | 118 | 110 | 101 | 84 | 66 | 49 | |

NOTES

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