

**MODEL GS**

5GS, 7GS, 10GS,  
13GS, 18GS, 25GS



**SPECIFICATIONS**

| Model | Flow Range GPM | Horsepower Range | Best Eff. GPM | Discharge Connection | Minimum Well Size | Rotation <sup>①</sup> |
|-------|----------------|------------------|---------------|----------------------|-------------------|-----------------------|
| 5GS   | 1.2 – 7.5      | ½ – 2            | 5             | 1¼                   | 4"                | CCW                   |
| 7GS   | 1.5 – 10       | ½ – 3            | 7             | 1¼                   | 4"                | CCW                   |
| 10GS  | 3 – 16         | ½ – 5            | 10            | 1¼                   | 4"                | CCW                   |
| 13GS  | 4 – 20         | ½ – 3            | 13            | 1¼                   | 4"                | CCW                   |
| 18GS  | 6 – 28         | ¾ – 5            | 18            | 1¼                   | 4"                | CCW                   |
| 25GS  | 8 – 33         | 1 – 5            | 25            | 1¼                   | 4"                | CCW                   |

① Rotation is counterclockwise when observed from pump discharge end.

**"GS" SERIES MATERIALS OF CONSTRUCTION**

| Part Name                                | Material                          |
|--|-----------------------------------|
| Discharge Head                           | AISI 303 SS                       |
| Check Valve Poppet                       | AISI 304 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                                  | Urethane, FDA compliant           |
| Klipring                                 | AISI 301 SS                       |
| Diffuser                                 | Glass Filled Engineered Composite |
| Impeller                                 | AISI 304 SS                       |
| Bowl                                     | AISI 304 SS                       |
| Intermediate Sleeve <sup>①</sup>         | AISI 304 SS, Powder Metal         |
| Intermediate Shaft Coupling <sup>②</sup> | AISI 304 SS, Powder Metal         |
| Intermediate Bearing Spider <sup>①</sup> | Glass Filled Engineered Composite |
| Intermediate Bearing Spider <sup>②</sup> | AISI 303 SS                       |
| Bearing                                  | Urethane, FDA compliant           |
| Shim                                     | AISI 304 SS                       |
| Spacer                                   | AISI 304 SS, Powder Metal         |
| Screws – Cable Guard                     | AISI 304 SS                       |
| Motor Adapter                            | AISI 303 SS                       |
| Casing                                   | AISI 304 SS                       |
| Shaft                                    |                                   |
| Coupling                                 | AISI 304 SS, Powder Metal         |
| Cable Guard                              | AISI 304 SS                       |
| Suction Screen                           | AISI 304 SS                       |

① Used on pumps over 24 stages.  
② Used on models with 27 stages or larger.

**AGENCY LISTINGS**

Canadian Standards Association

Underwriters Laboratories  
Classified ANSI/NSF 61-1992

Goulds Pumps is ISO 9001 Registered.

**Goulds Pumps**

ITT Industries

**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:** Pump can be rebuilt in the field to like new condition with common tools and readily available spare parts.

NOTE: The Model GS has left hand casing threads.

■ **Sand Resistant Construction:** Field proven over almost four decades, face clearance design and floating impellers for an extremely abrasion resistant configuration.

■ **Stainless Steel Metal Parts:** AISI types 302, 303 and 304 are corrosion resistant, non-toxic and non-leaching.

■ **FDA Compliant Non-Metallic Parts:** Impellers, diffusers and bearing spiders are constructed of a glass filled engineered compos-

ite. This material is corrosion resistant and non-toxic.

■ **Discharge Head:** High profile precision cast 303 stainless steel for superior strength and durability. Cast in loop for safety line.

■ **Motor Adapter:** Precision cast 303 stainless steel is extremely rigid for accurate alignment of liquid end to motor. Generous space for removal of motor mounting nuts with regular open-end wrench.

■ **Bowls:** Stainless steel for strength and abrasive resistance.

■ **Check Valve:** Built in check valve constructed of stainless steel and low compression, FDA compliant, BUNA rubber for excellent abrasive resistance and quiet, efficient operation.

■ **Stainless Steel Casing:** Polished stainless steel is attractive and durable in the most corrosive water.

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

■ **Shaft Coupling:** Exposed for ease of field alignment to motor shaft and to check pump rotation.

■ **Urethane Upper and Middle Bearings:** Fluted design for free passage of abrasives and excellent resistance to sand damage.

■ **Franklin Electric Motor:**  
• Corrosion resistant stainless steel construction through 2 HP, stainless steel casing with nickel plated gray iron end bells on motors over 2 HP.

• Built-in surge arrestor is provided on single phase motors through 5 HP.

• Stainless steel splined shaft.

• Hermetically sealed windings.

• Replaceable motor lead assembly.

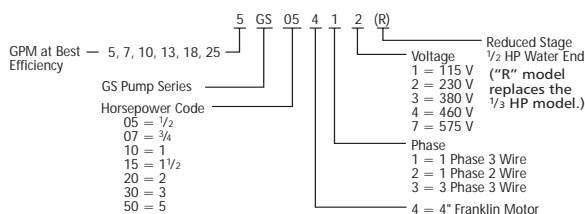
• UL 778 recognized.

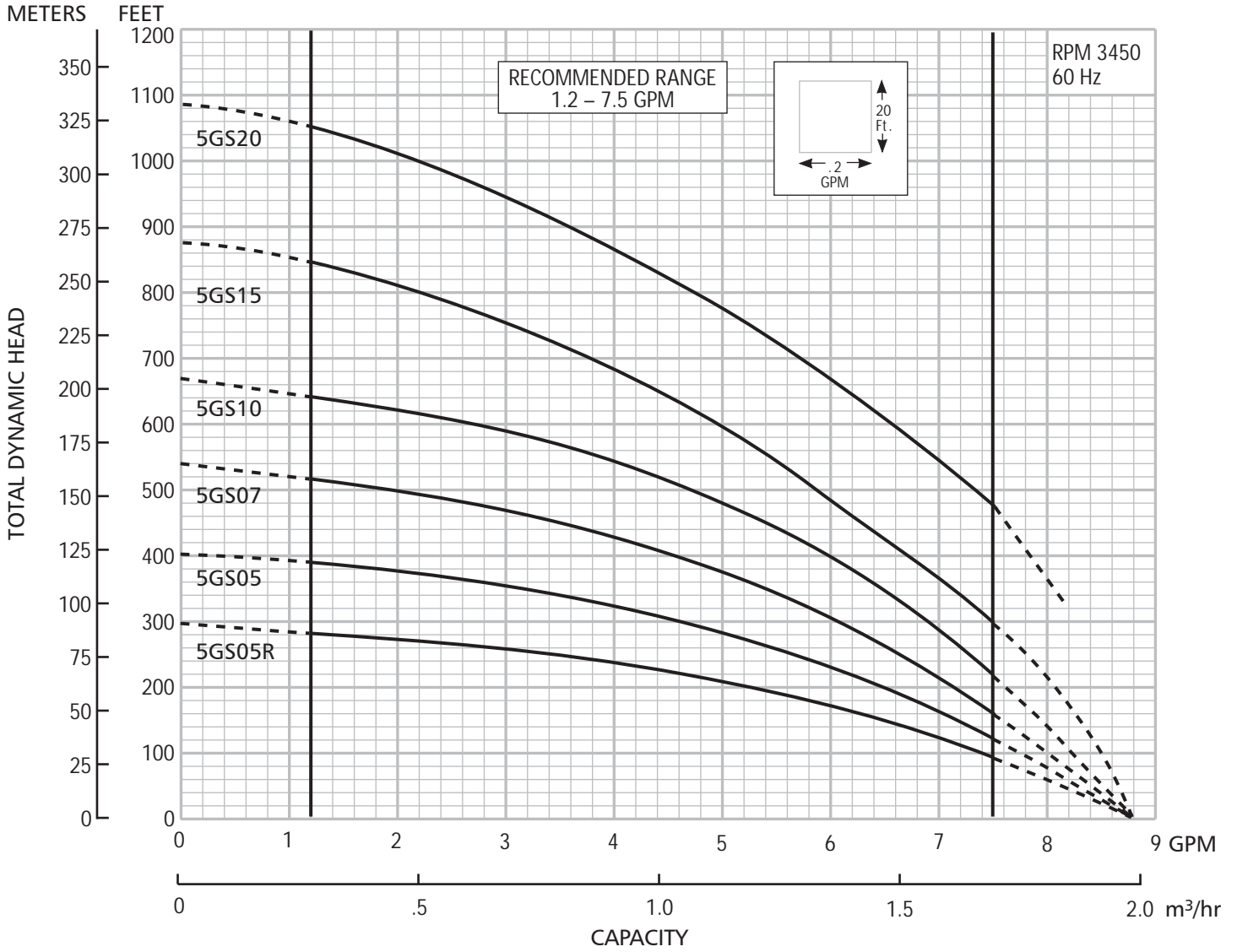
• NEMA mounting dimensions.

• Control box is required with 3 wire single phase units.  
• Three phase units require a magnetic starter with three leg protection. Magnetic starter and heaters must be ordered separately.

■ **Agency Listings:** All complete pump/motor assemblies are UL778 and CSA listed and complies with ANSI/NSF std. 61. All 4" Franklin Electric Motors are UL778 recognized.

**ORDER NUMBER CODE**





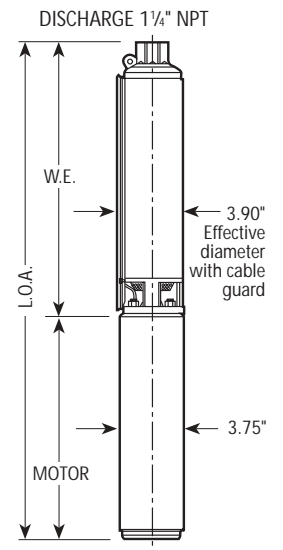
## DIMENSIONS AND WEIGHTS

| Model               | HP    | Phase | Stages | Length (inches) |       |         | Weight (lbs.) |       |       |
|---------------------|-------|-------|--------|-----------------|-------|---------|---------------|-------|-------|
|                     |       |       |        | W.E.②           | Motor | L.O.A.③ | W.E.          | Motor | Total |
| 5GS05412R,22,11,21① | 1/2R① | 1     | 9      | 12.4            | 9.5   | 21.9    | 7             | 19    | 26    |
| 5GS05412,22,11,21   | 1/2   | 1     | 12     | 14.5            | 9.5   | 24.0    | 8             | 19    | 27    |
| 5GS07412,22         | 3/4   | 1     | 15     | 16.5            | 10.7  | 27.2    | 9             | 21    | 30    |
| 5GS10412,22         | 1     | 1     | 20     | 20.0            | 11.8  | 31.8    | 11            | 24    | 35    |
| 5GS15412            | 1 1/2 | 1     | 26     | 25.3            | 13.6  | 38.9    | 14            | 28    | 42    |
| 5GS15422            | 1 1/2 | 1     | 26     | 25.3            | 15.1  | 40.4    | 14            | 31    | 45    |
| 5GS15432,34         | 1 1/2 | 3     | 26     | 25.3            | 11.8  | 37.1    | 14            | 24    | 38    |
| 5GS20412            | 2     | 1     | 33     | 30.1            | 15.1  | 45.2    | 17            | 33    | 50    |
| 5GS20432,34         | 2     | 3     | 33     | 30.1            | 13.6  | 43.7    | 17            | 28    | 45    |

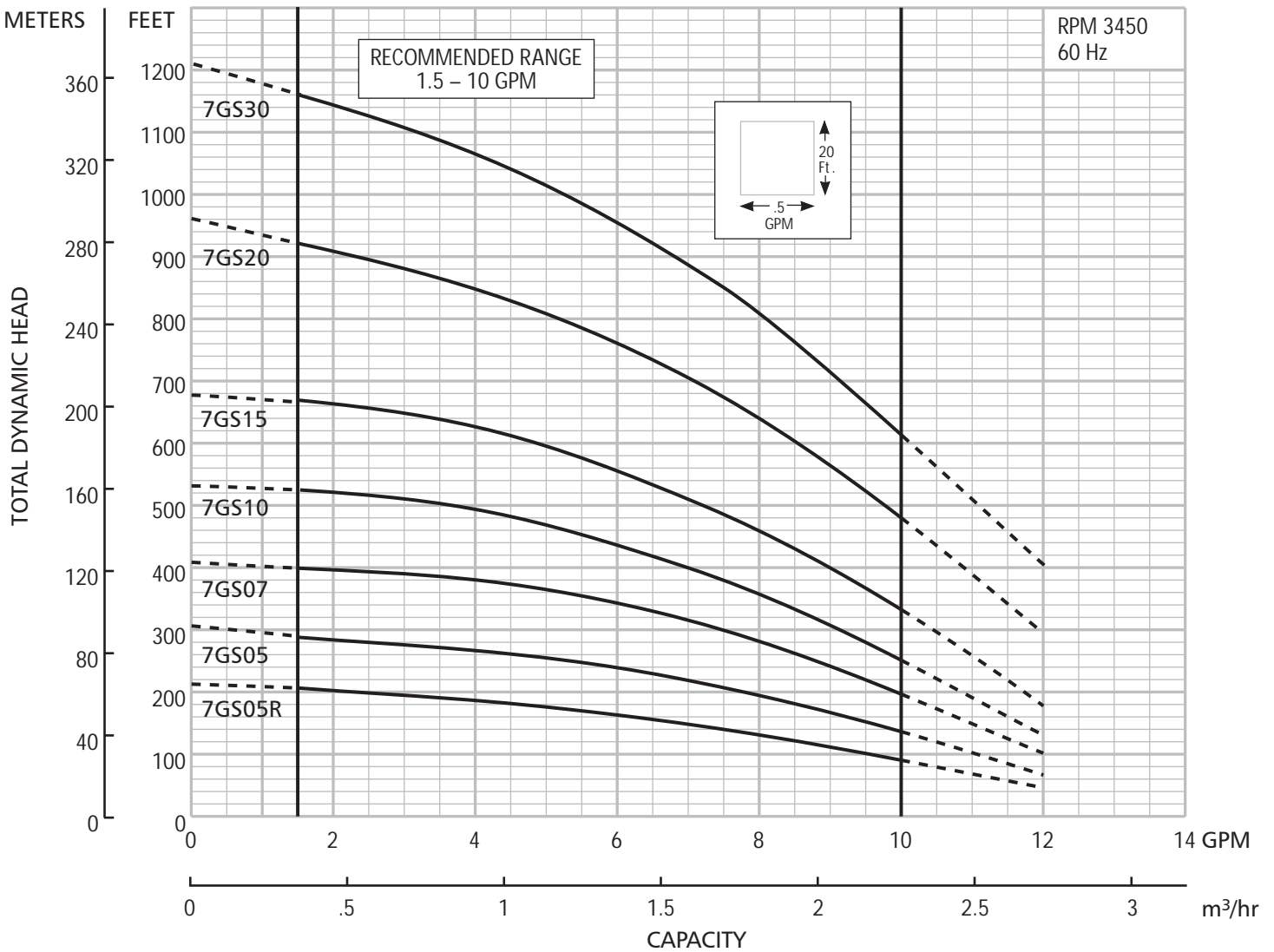
① Reduced stage 1/2 HP pump/water end for low head applications. This model replaces the 1/2 HP water end.

② W.E. = water end or pump without motor.

③ L.O.A. = length of assembly – complete pump – water end and motor.







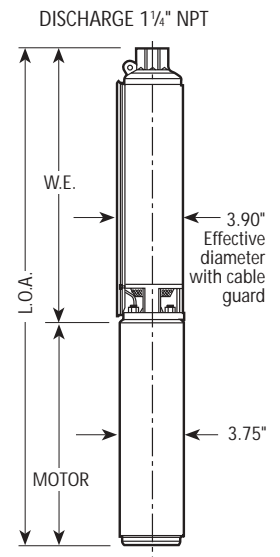
## DIMENSIONS AND WEIGHTS

| Model               | HP  | Phase | Stages | Length (inches) |       |         | Weight (lbs.) |       |       |
|---------------------|-----|-------|--------|-----------------|-------|---------|---------------|-------|-------|
|                     |     |       |        | W.E.②           | Motor | L.O.A.③ | W.E.          | Motor | Total |
| 7GS05412R,22,11,21① | ½R① | 1     | 7      | 11.1            | 9.5   | 20.6    | 6             | 19    | 25    |
| 7GS05412,22,11,21   | ½   | 1     | 10     | 13.3            | 9.5   | 22.8    | 7             | 19    | 26    |
| 7GS07412,22         | ¾   | 1     | 13     | 15.4            | 10.7  | 26.1    | 9             | 21    | 30    |
| 7GS10412,22         | 1   | 1     | 17     | 18.3            | 11.8  | 30.1    | 10            | 24    | 34    |
| 7GS15412            | 1½  | 1     | 22     | 21.9            | 13.6  | 35.5    | 12            | 28    | 40    |
| 7GS15422            | 1½  | 1     | 22     | 21.9            | 15.1  | 37.0    | 12            | 31    | 43    |
| 7GS15432,34         | 1½  | 3     | 22     | 21.9            | 11.8  | 33.7    | 12            | 24    | 36    |
| 7GS20412            | 2   | 1     | 27     | 26.6            | 15.1  | 41.7    | 15            | 33    | 48    |
| 7GS20432,34         | 2   | 3     | 27     | 26.6            | 13.6  | 40.2    | 15            | 28    | 43    |
| 7GS30412            | 3   | 1     | 34     | 31.6            | 19.1  | 50.7    | 18            | 41    | 59    |
| 7GS30432,34         | 3   | 3     | 34     | 31.6            | 16.1  | 47.7    | 18            | 35    | 53    |

① Reduced stage ½ HP pump/water end for low head applications. This model replaces the ½ HP water end.

② W.E. = water end or pump without motor.

③ L.O.A. = length of assembly – complete pump – water end and motor.



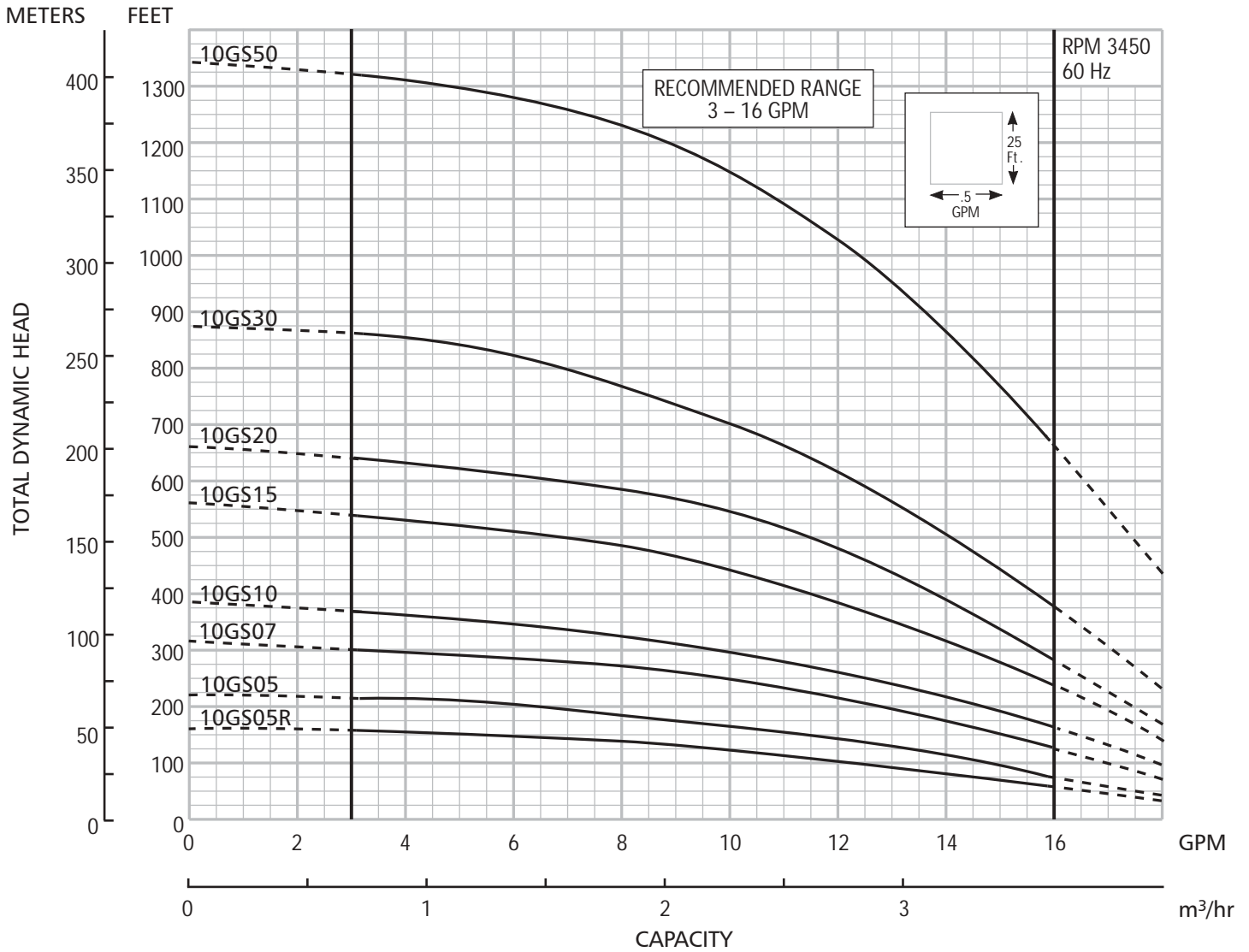
## SELECTION CHART

Horsepower Range ½ – 1, Recommended Range 1.5 – 10 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 | 340 | 380 | 420 | 460 | 500 | 540 | 580 | 620 | 660 | 700 | 740 | 780 | 820 |  |  |
| 7GS05R       | ½R | 0   |  |      |     |      | 9.7  | 8.7 | 7.6 | 6.2 | 4.3 | 2.0  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 20  |  |      | 9.4 | 8.4  | 7.4  | 5.7 | 3.5 | 1.5 |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 30  |  | 9.2  | 8.2 | 7.0  | 5.4  | 3.4 |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 40  | 9.0  | 8.1  | 6.9 | 5.2  | 3.1  |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 50  | 7.7  | 6.5  | 4.8 | 3.0  |      |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 60  | 6.2  | 4.3  | 2.0 |      |      |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| Shut-off PSI |    |     | 82   | 74   | 65  | 56   | 48   | 39  | 30  | 22  | 13  | 4    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 7GS05        | ½  | 0   |  |      |     |      |      |     | 9.8 | 9.2 | 8.5 | 7.8  | 7.0 | 5.9 | 4.5 | 2.8 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 20  |  |      |     |      | 9.7  | 9.0 | 8.3 | 7.5 | 6.6 | 5.7  | 4.1 | 2.0 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 30  |  |      |     | 9.5  | 8.9  | 8.2 | 7.3 | 6.4 | 5.4 | 4.0  | 1.5 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 40  |  | 10.0 | 9.4 | 8.8  | 8.1  | 7.3 | 6.1 | 5.1 | 3.9 | 1.5  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 50  | 10.0   | 9.3  | 8.6 | 8.0  | 7.1  | 6.0 | 4.8 | 3.3 |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 60  | 9.2  | 8.5  | 7.8 | 7.0  | 5.9  | 4.5 | 2.8 |     |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| Shut-off PSI |    |     | 121  | 113  | 104 | 95   | 87   | 78  | 69  | 61  | 52  | 43   | 35  | 26  | 17  | 9   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 7GS07        | ¾  | 0   |  |      |     |      |      |     |     |     |     | 9.8  | 9.4 | 8.8 | 8.4 | 7.9 | 7.4 | 5.8 | 3.8 |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 20  |  |      |     |      |      |     |     | 9.7 | 9.3 | 8.8  | 8.3 | 7.8 | 7.3 | 6.5 | 5.7 | 3.0 |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 30  |  |      |     |      |      |     | 9.6 | 9.3 | 8.7 | 8.2  | 7.7 | 7.0 | 6.3 | 5.5 | 4.5 |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 40  |  |      |     |      | 10.1 | 9.5 | 9.1 | 8.7 | 8.2 | 7.7  | 6.9 | 6.2 | 5.4 | 4.5 | 2.7 |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 50  |  |      |     | 10.0 | 9.4  | 9.0 | 8.5 | 8.0 | 7.6 | 6.8  | 6.0 | 5.2 | 4.0 | 2.5 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 60  |  |      | 9.8 | 9.4  | 8.8  | 8.4 | 7.9 | 7.4 | 6.7 | 5.8  | 5.0 | 3.8 | 1.5 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |
| Shut-off PSI |    |     |  |      | 148 | 140  | 131  | 123 | 114 | 105 | 97  | 88   | 79  | 71  | 62  | 53  | 45  | 27  | 10  |     |     |     |     |     |     |     |     |     |     |     |  |  |
| 7GS10        | 1  | 0   |  |      |     |      |      |     |     |     |     |      |     |     | 9.7 | 9.4 | 9.1 | 8.2 | 7.4 | 6.5 | 5.2 | 3.5 |     |     |     |     |     |     |     |     |  |  |
|              |    | 20  |  |      |     |      |      |     |     |     |     |      |     | 9.7 | 9.3 | 8.9 | 8.5 | 8.1 | 7.3 | 6.3 | 5.0 | 3.0 |     |     |     |     |     |     |     |     |  |  |
|              |    | 30  |  |      |     |      |      |     |     |     |     | 10.0 | 9.6 | 9.2 | 8.8 | 8.4 | 8.1 | 7.7 | 6.7 | 5.6 | 4.0 |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 40  |  |      |     |      |      |     |     |     | 9.9 | 9.5  | 9.2 | 8.7 | 8.4 | 8.0 | 7.7 | 7.2 | 6.1 | 4.8 | 2.5 |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 50  |  |      |     |      |      |     |     | 9.8 | 9.4 | 9.1  | 8.7 | 8.3 | 7.8 | 7.5 | 7.1 | 6.2 | 5.4 | 3.9 |     |     |     |     |     |     |     |     |     |     |  |  |
|              |    | 60  |  |      |     |      |      | 9.7 | 9.4 | 9.1 | 8.6 | 8.2  | 7.8 | 7.4 | 7.0 | 6.5 | 5.8 | 4.4 | 2.0 |     |     |     |     |     |     |     |     |     |     |     |  |  |
| Shut-off PSI |    |     |  |      |     |      | 177  | 168 | 159 | 151 | 142 | 133  | 125 | 116 | 107 | 99  | 81  | 64  | 47  | 29  | 12  |     |     |     |     |     |     |     |     |     |  |  |

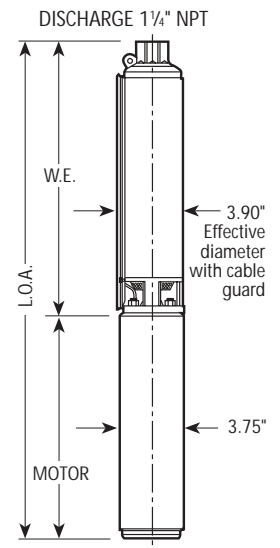
Horsepower Range 1½ – 3, Recommended Range 1.5 – 10 GPM, 60 Hz, 3450 RPM

| Pump Model   | HP | PSI | Depth to Water in Feet/Ratings in GPM (Gallons per Minute) |     |      |      |      |     |     |      |      |     |     |     |     |      |     |     |     |     |     |     |     |     |     |      |      |      |      |     |    |    |
|--------------|----|-----|--|-----|------|------|------|-----|-----|------|------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|-----|----|----|
|              |    |     | 200  | 220 | 240  | 260  | 280  | 300 | 340 | 380  | 420  | 460 | 500 | 540 | 580 | 620  | 660 | 700 | 740 | 780 | 820 | 860 | 900 | 940 | 980 | 1020 | 1060 | 1100 | 1140 |     |    |    |
| 7GS15        | 1½ | 0   |  |     |      |      |      |     | 9.8 | 9.3  | 8.7  | 8.0 | 7.3 | 6.4 | 5.4 | 4.1  | 1.8 |     |     |     |     |     |     |     |     |      |      |      |      |     |    |    |
|              |    | 20  |  |     |      |      | 10.1 | 9.8 | 9.2 | 8.5  | 7.9  | 7.2 | 6.4 | 5.3 | 3.8 | 1.5  |     |     |     |     |     |     |     |     |     |      |      |      |      |     |    |    |
|              |    | 30  |  |     |      | 10.0 | 9.8  | 9.5 | 8.8 | 8.2  | 7.4  | 6.7 | 5.7 | 4.5 | 2.8 |      |     |     |     |     |     |     |     |     |     |      |      |      |      |     |    |    |
|              |    | 40  |  |     | 10.0 | 9.7  | 9.5  | 9.1 | 8.4 | 7.8  | 7.0  | 6.2 | 5.2 | 3.4 |     |      |     |     |     |     |     |     |     |     |     |      |      |      |      |     |    |    |
|              |    | 50  |  | 9.9 | 9.6  | 9.4  | 9.0  | 8.7 | 8.0 | 7.4  | 6.5  | 5.6 | 4.2 | 2.3 |     |      |     |     |     |     |     |     |     |     |     |      |      |      |      |     |    |    |
|              |    | 60  | 9.8  | 9.6 | 9.3  | 9.0  | 8.7  | 8.3 | 7.6 | 6.9  | 6.0  | 4.9 | 3.1 |     |     |      |     |     |     |     |     |     |     |     |     |      |      |      |      |     |    |    |
| Shut-off PSI |    |     | 206  | 198 | 185  | 176  | 168  | 159 | 142 | 124  | 107  | 90  | 72  | 55  | 38  | 20   |     |     |     |     |     |     |     |     |     |      |      |      |      |     |    |    |
| 7GS20        | 2  | 0   |  |     |      |      |      |     |     |      |      |     | 9.8 | 9.3 | 8.7 | 8.4  | 7.8 | 7.1 | 6.3 | 5.4 | 4.5 | 3.5 | 2.2 |     |     |      |      |      |      |     |    |    |
|              |    | 20  |  |     |      |      |      |     |     |      |      |     | 9.8 | 9.3 | 8.7 | 8.4  | 7.7 | 6.9 | 6.2 | 5.3 | 4.3 | 3.2 | 2.8 |     |     |      |      |      |      |     |    |    |
|              |    | 30  |  |     |      |      |      |     |     |      |      | 9.9 | 9.5 | 9.0 | 8.5 | 7.9  | 7.2 | 6.4 | 5.7 | 4.4 | 3.7 |     |     |     |     |      |      |      |      |     |    |    |
|              |    | 40  |  |     |      |      |      |     |     |      | 10.0 | 9.7 | 9.2 | 8.7 | 8.3 | 7.5  | 6.7 | 6.0 | 5.2 | 4.1 | 3.0 |     |     |     |     |      |      |      |      |     |    |    |
|              |    | 50  |  |     |      |      |      |     |     |      | 9.9  | 9.4 | 8.9 | 8.5 | 7.8 | 7.2  | 6.3 | 5.5 | 4.7 | 3.5 |     |     |     |     |     |      |      |      |      |     |    |    |
|              |    | 60  |  |     |      |      |      |     |     | 10.0 | 9.6  | 9.1 | 8.7 | 8.2 | 7.4 | 6.6  | 5.8 | 5.0 | 4.0 |     |     |     |     |     |     |      |      |      |      |     |    |    |
| Shut-off PSI |    |     |  |     |      |      |      |     | 268 | 251  | 234  | 216 | 199 | 182 | 165 | 147  | 130 | 113 | 95  | 80  | 61  |     |     |     |     |      |      |      |      |     |    |    |
| 7GS30        | 3  | 0   |  |     |      |      |      |     |     |      |      |     |     |     |     | 9.8  | 9.5 | 9.2 | 8.7 | 8.3 | 7.9 | 7.4 | 6.8 | 6.2 | 5.4 | 4.7  | 3.9  | 3.0  | 2.0  |     |    |    |
|              |    | 20  |  |     |      |      |      |     |     |      |      |     |     |     |     | 9.8  | 9.4 | 9.2 | 8.7 | 8.3 | 7.8 | 7.2 | 6.7 | 6.2 | 5.3 | 4.5  | 3.7  | 3.3  | 1.7  |     |    |    |
|              |    | 30  |  |     |      |      |      |     |     |      |      |     |     |     |     | 10.0 | 9.6 | 9.2 | 8.8 | 8.5 | 8.0 | 7.5 | 6.9 | 6.3 | 5.7 | 4.8  | 4.1  | 3.2  | 2.3  |     |    |    |
|              |    | 40  |  |     |      |      |      |     |     |      |      |     |     |     |     | 10.0 | 9.7 | 9.4 | 9.0 | 8.6 | 8.2 | 7.7 | 7.2 | 6.6 | 5.9 | 5.2  | 4.4  | 3.6  | 2.7  | 1.7 |    |    |
|              |    | 50  |  |     |      |      |      |     |     |      |      |     |     |     |     | 9.9  | 9.5 | 9.2 | 8.7 | 8.4 | 7.9 | 7.4 | 6.8 | 6.3 | 5.5 | 4.8  | 3.9  | 3.1  | 2.2  |     |    |    |
|              |    | 60  |  |     |      |      |      |     |     |      |      |     |     |     |     | 10.0 | 9.7 | 9.3 | 9.0 | 8.6 | 8.1 | 7.6 | 7.0 | 6.5 | 5.8 | 5.1  | 4.2  | 3.4  | 2.5  | 1.5 |    |    |
| Shut-off PSI |    |     |  |     |      |      |      |     |     |      |      |     |     |     | 320 | 303  | 286 | 268 | 251 | 234 | 216 | 199 | 182 | 165 | 147 | 130  | 113  | 95   | 78   | 61  | 43 | 27 |



## DIMENSIONS AND WEIGHTS

| Model                | HP    | Phase | Stages | Length (inches) |       |         | Weight (lbs.) |       |       |
|----------------------|-------|-------|--------|-----------------|-------|---------|---------------|-------|-------|
|                      |       |       |        | W.E.②           | Motor | L.O.A.③ | W.E.          | Motor | Total |
| 10GS05412R,22,11,21① | 1/2R① | 1     | 5      | 9.6             | 9.5   | 19.1    | 6             | 19    | 25    |
| 10GS05412,22,11,21   | 1/2   | 1     | 7      | 11.0            | 9.5   | 20.5    | 7             | 19    | 26    |
| 10GS07412,22         | 3/4   | 1     | 10     | 13.0            | 10.7  | 23.7    | 8             | 21    | 29    |
| 10GS10412,22         | 1     | 1     | 12     | 14.4            | 11.8  | 26.2    | 9             | 24    | 33    |
| 10GS15412            | 1 1/2 | 1     | 17     | 17.9            | 13.6  | 31.5    | 11            | 28    | 39    |
| 10GS15422            | 1 1/2 | 1     | 17     | 17.9            | 15.1  | 33.0    | 11            | 31    | 42    |
| 10GS15432            | 1 1/2 | 3     | 17     | 17.9            | 11.8  | 29.7    | 11            | 24    | 35    |
| 10GS20412            | 2     | 1     | 20     | 20.0            | 15.1  | 35.1    | 12            | 33    | 45    |
| 10GS20432,34         | 2     | 3     | 20     | 20.0            | 13.6  | 33.6    | 12            | 28    | 40    |
| 10GS30412            | 3     | 1     | 27     | 26.0            | 19.1  | 45.1    | 15            | 41    | 56    |
| 10GS30432,34         | 3     | 3     | 27     | 26.0            | 16.1  | 42.1    | 15            | 35    | 50    |
| 10GS50142            | 5     | 1     | 42     | 36.3            | 28.2  | 64.5    | 20            | 70    | 90    |
| 10GS50432,34         | 5     | 3     | 42     | 36.3            | 22.2  | 58.5    | 20            | 55    | 75    |



① Reduced stage 1/2 HP pump/water end for low head applications. This model replaces the 1/2 HP water end.

② W.E. = water end or pump without motor.

③ L.O.A. = length of assembly - complete pump - water end and motor.

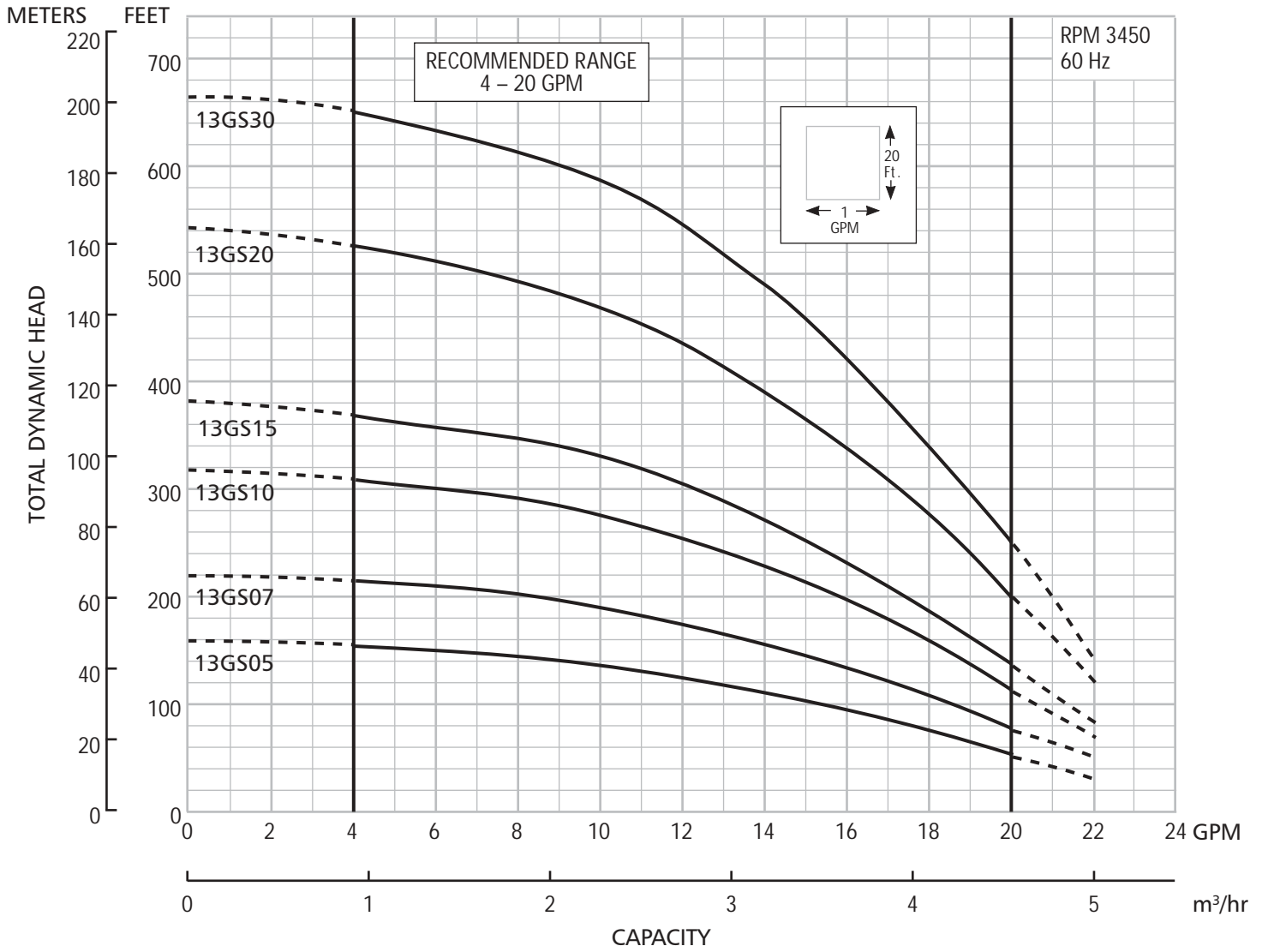
## SELECTION CHART

Horsepower Range ½ – 3, Recommended Range 3 – 16 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  | 340  | 380  | 420  | 460  | 500  | 540  | 580  | 620  | 660 | 700 | 740 | 780 | 820 |  |  |
| 10GS05R      | ½  | 0   |  |      | 15.6 | 14.0 | 12.4 | 10.4 | 6.5  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |  |  |
|              |    | 20  | 15.4   | 13.5 | 11.5 | 9.2  | 6.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |  |  |
|              |    | 30  | 13.0   | 11.1 | 8.0  | 4.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |  |  |
|              |    | 40  | 11.0   | 7.9  | 3.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |  |  |
|              |    | 50  | 7.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |  |  |
|              |    | 60  |  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |  |  |
| Shut-off PSI |    |     | 61   | 53   | 44   | 34   | 26   | 18   | 10   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |  |  |
| 10GS05       | 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   |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |  |  |
| 10GS07       | ¾  | 0   |  |      |      |      | 16.0 | 15.2 | 14.3 | 13.4 | 12.5 | 11.5 | 10.3 | 9.0  | 7.0  | 4.0  |      |      |      |      |      |      |      |      |      |     |     |     |     |     |  |  |
|              |    | 20  |  |      |      | 15.8 | 15.0 | 14.0 | 13.0 | 12.3 | 11.2 | 10.2 | 8.5  | 6.0  |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |  |  |
|              |    | 30  |  |      | 15.7 | 14.8 | 13.9 | 12.8 | 12.0 | 11.0 | 9.8  | 8.2  | 5.5  |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |  |  |
|              |    | 40  |  | 15.6 | 14.7 | 13.8 | 12.7 | 11.9 | 10.8 | 9.7  | 8.1  | 5.2  |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |  |  |
|              |    | 50  | 15.3   | 14.4 | 13.5 | 12.6 | 11.6 | 10.5 | 9.4  | 7.5  | 4.8  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |  |  |
|              |    | 60  | 14.3   | 13.4 | 12.5 | 11.5 | 10.3 | 9.0  | 7.0  | 4.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |  |  |
| Shut-off PSI |    |     | 130  | 121  | 113  | 104  | 95   | 87   | 78   | 69   | 61   | 52   | 43   | 35   | 26   | 17   | 9    |      |      |      |      |      |      |      |      |     |     |     |     |     |  |  |
| 10GS10       | 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   |      |      |      |      |      |      |      |     |     |     |     |     |  |  |
| 10GS15       | 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 | 13.0 | 12.5 | 11.8 | 10.3 | 8.8  | 6.0  |      |      |      |     |     |     |     |     |  |  |
|              |    | 40  |  |      |      |      |      |      | 15.8 | 15.5 | 15.1 | 14.6 | 14.2 | 13.5 | 13.0 | 12.5 | 11.8 | 11.0 | 9.4  | 7.4  | 3.4  |      |      |      |      |     |     |     |     |     |  |  |
|              |    | 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    |      |      |      |      |     |     |     |     |     |  |  |
| 10GS20       | 2  | 0   |  |      |      |      |      |      |      |      |      |      |      | 16.0 | 15.7 | 14.9 | 14.2 | 13.4 | 12.4 | 11.4 | 10.0 | 8.2  | 5.8  |      |      |     |     |     |     |     |  |  |
|              |    | 20  |  |      |      |      |      |      |      |      |      |      |      | 15.9 | 15.5 | 15.3 | 14.8 | 14.1 | 13.2 | 12.2 | 11.0 | 9.9  | 8.0  | 5.2  |      |     |     |     |     |     |  |  |
|              |    | 30  |  |      |      |      |      |      |      |      |      |      |      | 15.8 | 15.4 | 15.1 | 14.7 | 14.4 | 13.5 | 12.7 | 11.7 | 10.3 | 8.8  | 6.5  |      |     |     |     |     |     |  |  |
|              |    | 40  |  |      |      |      |      |      |      |      |      |      | 15.8 | 15.4 | 15.1 | 14.7 | 14.4 | 14.0 | 12.9 | 12.2 | 10.9 | 9.5  | 7.8  | 3.9  |      |     |     |     |     |     |  |  |
|              |    | 50  |  |      |      |      |      |      | 16.1 | 15.7 | 15.3 | 15.0 | 14.6 | 14.2 | 14.0 | 13.4 | 12.5 | 11.5 | 10.1 | 8.5  | 6.0  |      |      |      |      |     |     |     |     |     |  |  |
|              |    | 60  |  |      |      |      |      | 16.0 | 15.7 | 15.3 | 14.9 | 14.5 | 14.2 | 13.8 | 13.4 | 12.8 | 11.8 | 10.7 | 9.1  | 7.2  | 3.4  |      |      |      |      |     |     |     |     |     |  |  |
| Shut-off PSI |    |     |  |      |      |      | 225  | 216  | 208  | 199  | 190  | 182  | 173  | 164  | 156  | 139  | 121  | 104  | 87   | 69   | 52   | 35   | 17   |      |      |     |     |     |     |     |  |  |
| 10GS30       | 3  | 0   |  |      |      |      |      |      |      |      |      |      |      |      |      |      | 15.8 | 15.2 | 14.6 | 14.0 | 13.3 | 12.6 | 11.9 | 11.0 | 10.0 | 9.0 | 7.5 | 5.8 |     |     |  |  |
|              |    | 20  |  |      |      |      |      |      |      |      |      |      |      |      |      |      | 15.7 | 15.1 | 14.5 | 13.9 | 13.2 | 12.5 | 11.8 | 10.9 | 9.9  | 8.8 | 7.2 | 5.4 |     |     |  |  |
|              |    | 30  |  |      |      |      |      |      |      |      |      |      |      |      |      |      | 15.9 | 15.4 | 14.8 | 14.2 | 13.4 | 12.8 | 12.0 | 11.3 | 10.3 | 9.3 | 8.1 | 6.2 | 3.8 |     |  |  |
|              |    | 40  |  |      |      |      |      |      |      |      |      |      |      |      |      |      | 15.9 | 15.6 | 15.0 | 14.4 | 13.8 | 13.1 | 12.4 | 11.5 | 10.8 | 9.7 | 8.6 | 7.1 | 4.7 |     |  |  |
|              |    | 50  |  |      |      |      |      |      |      |      |      |      | 16.0 | 15.8 | 15.6 | 15.3 | 14.7 | 14.1 | 13.3 | 12.7 | 11.9 | 11.0 | 10.2 | 9.1  | 7.8  | 6.0 | 3.0 |     |     |     |  |  |
|              |    | 60  |  |      |      |      |      |      |      |      |      | 16.0 | 15.8 | 15.5 | 15.2 | 14.8 | 14.3 | 13.7 | 12.9 | 12.3 | 11.4 | 10.6 | 9.6  | 8.3  | 6.8  | 4.5 |     |     |     |     |  |  |
| Shut-off PSI |    |     |  |      |      |      |      |      |      |      | 284  | 275  | 267  | 258  | 249  | 232  | 215  | 197  | 180  | 163  | 145  | 128  | 111  | 94   | 76   | 59  | 42  | 24  |     |     |  |  |

Horsepower Range 5, Recommended Range 3 – 16 GPM, 60 Hz, 3450 RPM

| Pump Model   | HP | PSI | Depth to Water in Feet/Ratings in GPM (Gallons per Minute) |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |
|--------------|----|-----|--|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|
|              |    |     | 440  | 480 | 520 | 560  | 600  | 640  | 680  | 720  | 760  | 800  | 840  | 880  | 920  | 960  | 1000 | 1040 | 1080 | 1120 | 1160 | 1200 | 1240 | 1280 | 1320 |  |  |  |  |  |
| 10GS50       | 5  | 0   |  |     |     |      |      | 16   | 15.5 | 15.2 | 14.9 | 14.5 | 14   | 13.5 | 13   | 12.5 | 12   | 11.5 | 10.8 | 10.2 | 9.5  | 8.5  | 7    | 5.2  |      |  |  |  |  |  |
|              |    | 20  |  |     |     |      | 15.9 | 15.4 | 15.1 | 14.8 | 14.5 | 13.9 | 13.4 | 12.9 | 12.4 | 11.9 | 11.3 | 10.7 | 10.1 | 9.4  | 8.2  | 6.8  | 4.3  |      |      |  |  |  |  |  |
|              |    | 30  |  |     |     |      | 15.6 | 15.2 | 14.9 | 14.6 | 14.2 | 13.7 | 13.1 | 12.6 | 12.1 | 11.6 | 11.0 | 10.4 | 9.8  | 8.8  | 7.5  | 6.0  | 3.0  |      |      |  |  |  |  |  |
|              |    | 40  |  |     |     | 15.8 | 15.3 | 15.1 | 14.7 | 14.4 | 13.8 | 13.3 | 12.8 | 12.3 | 11.8 | 11.2 | 10.6 | 10.0 | 9.2  | 7.9  | 6.6  | 4.1  |      |      |      |  |  |  |  |  |
|              |    | 50  |  |     |     | 15.5 | 15.2 | 14.9 | 14.6 | 14.1 | 13.6 | 13.0 | 12.5 | 12.1 | 11.5 | 10.9 | 10.3 | 9.7  | 8.6  | 7.3  | 5.6  |      |      |      |      |  |  |  |  |  |
|              |    | 60  |  |     |     | 15.7 | 15.3 | 15.0 | 14.7 | 14.3 | 13.7 | 13.2 | 12.7 | 12.2 | 11.7 | 11.1 | 10.5 | 9.9  | 9.0  | 7.7  | 6.5  | 3.2  |      |      |      |  |  |  |  |  |
| Shut-off PSI |    |     |  |     | 346 | 329  | 312  | 294  | 277  | 260  | 242  | 225  | 208  | 191  | 173  | 156  | 139  | 121  | 104  | 87   | 69   | 52   | 35   | 17   |      |  |  |  |  |  |

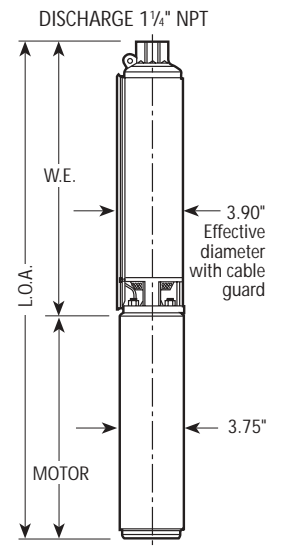


## DIMENSIONS AND WEIGHTS

| Model              | HP    | Phase | Stages | Length (inches) |       |         | Weight (lbs.) |       |       |
|--------------------|-------|-------|--------|-----------------|-------|---------|---------------|-------|-------|
|                    |       |       |        | W.E.②           | Motor | L.O.A.③ | W.E.          | Motor | Total |
| 13GS05412,22,11,21 | 1/2   | 1     | 5      | 9.6             | 9.5   | 19.1    | 6             | 19    | 25    |
| 13GS07412,22       | 3/4   | 1     | 7      | 11.0            | 10.7  | 21.7    | 6             | 21    | 27    |
| 13GS10412,22       | 1     | 1     | 10     | 13.0            | 11.8  | 24.8    | 7             | 24    | 31    |
| 13GS15412          | 1 1/2 | 1     | 12     | 14.4            | 13.6  | 28.0    | 8             | 28    | 36    |
| 13GS15422          | 1 1/2 | 1     | 12     | 14.4            | 15.1  | 29.5    | 8             | 31    | 39    |
| 13GS15432,34       | 1 1/2 | 3     | 12     | 14.4            | 11.8  | 26.2    | 8             | 24    | 32    |
| 13GS20412          | 2     | 1     | 17     | 17.9            | 15.1  | 33.0    | 10            | 33    | 43    |
| 13GS20432,34       | 2     | 3     | 17     | 17.9            | 13.6  | 31.5    | 10            | 28    | 38    |
| 13GS30412          | 3     | 1     | 21     | 20.6            | 19.1  | 39.7    | 12            | 41    | 53    |
| 13GS30432,34       | 3     | 3     | 21     | 20.6            | 16.1  | 36.7    | 12            | 35    | 47    |

② W.E. = water end or pump without motor.

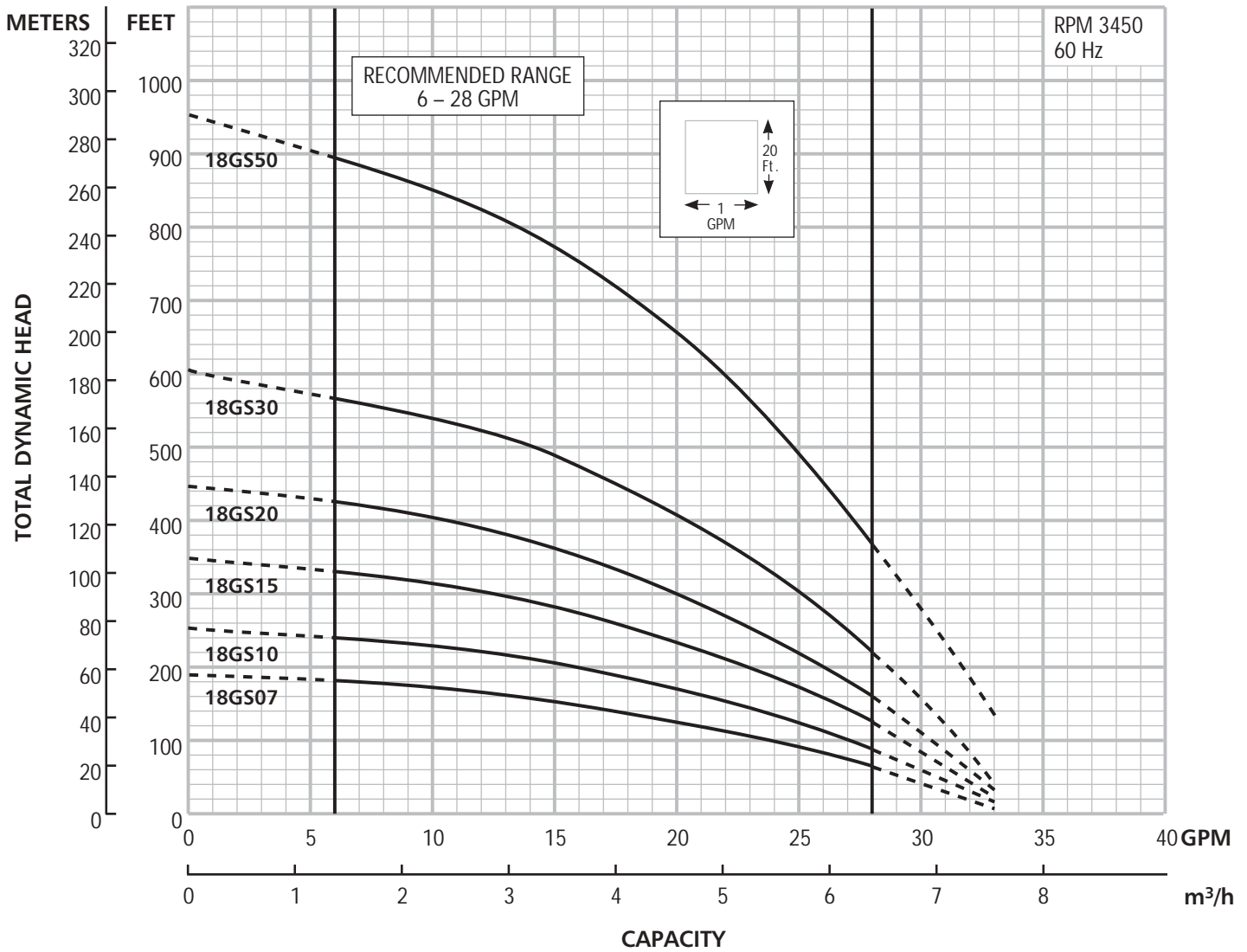
③ L.O.A. = length of assembly – complete pump – water end and motor.



## SELECTION CHART

Horsepower Range ½ – 3, Recommended Range 4 – 20 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  | 340  | 380  | 420  | 460  | 500  | 540  | 580  | 620  | 660  | 700 | 740 | 780 | 820 |  |  |  |
| 13GS05       | ½  | 0   |  |      | 19.0 | 17.5 | 15.3 | 12.5 | 8.2  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 20  | 18.8   | 16.5 | 14.5 | 12.0 | 8.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 30  | 16.0   | 13.4 | 11.0 | 4.1  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 40  | 13.3   | 10.6 | 4.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 50  | 9.8  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 60  |  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
| Shut-off PSI |    |     | 60   | 52   | 43   | 35   | 26   | 17   | 9    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
| 13GS07       | ¾  | 0   |  |      |      | 19.7 | 18.5 | 17.0 | 15.0 | 13.2 | 11.5 | 8.5  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 20  |  | 19.4 | 18.0 | 16.4 | 14.8 | 12.9 | 10.5 | 6.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 30  | 18.9   | 17.5 | 16.0 | 14.6 | 12.5 | 10.0 | 5.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 40  | 17.4   | 15.9 | 14.4 | 12.4 | 9.7  | 4.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 50  | 15.4   | 13.8 | 12.0 | 9.5  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 60  | 13.2   | 11.5 | 8.5  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
| Shut-off PSI |    |     | 86   | 78   | 69   | 61   | 52   | 43   | 35   | 26   | 17   | 8    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
| 13GS10       | 1  | 0   |  |      |      |      |      | 19.6 | 18.4 | 17.6 | 16.6 | 15.4 | 14.1 | 12.8 | 11.4 | 9.5  | 6.0  |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 20  |  |      | 20.0 | 19.4 | 18.5 | 17.2 | 16.3 | 15.0 | 13.8 | 12.5 | 11.0 | 8.5  | 4.0  |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 30  |  | 20.0 | 19.2 | 18.2 | 17.1 | 15.8 | 14.7 | 13.6 | 12.2 | 10.5 | 7.5  |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 40  | 19.9   | 19.0 | 18.0 | 17.0 | 15.7 | 14.6 | 13.5 | 12.0 | 10.1 | 7.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 50  | 18.8   | 17.8 | 16.8 | 15.5 | 14.5 | 13.0 | 11.6 | 9.9  | 7.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 60  | 17.6   | 16.6 | 15.4 | 14.1 | 12.8 | 11.4 | 9.5  | 6.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
| Shut-off PSI |    |     | 128  | 119  | 110  | 102  | 93   | 84   | 76   | 67   | 58   | 50   | 41   | 32   | 24   | 15   | 6    |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
| 13GS15       | 1½ | 0   |  |      |      |      |      |      | 19.7 | 18.9 | 18.2 | 17.3 | 16.3 | 15.2 | 14.2 | 13.2 | 12.1 | 8.7  |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 20  |  |      |      |      | 19.5 | 18.4 | 17.9 | 17.0 | 16.0 | 15.1 | 14.1 | 12.9 | 11.8 | 10.2 | 8.8  |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 30  |  |      |      | 20.2 | 19.4 | 18.6 | 17.6 | 16.8 | 15.8 | 14.9 | 14.0 | 12.6 | 11.5 | 9.9  | 7.9  | 4.0  |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 40  |  | 20.0 | 19.3 | 18.5 | 17.5 | 16.6 | 15.7 | 14.8 | 13.9 | 12.5 | 11.4 | 9.5  | 7.3  | 4.0  |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 50  | 20.0   | 19.1 | 18.3 | 17.4 | 16.4 | 15.5 | 14.5 | 13.6 | 12.3 | 11.0 | 9.2  | 6.3  |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 60  | 18.9   | 18.2 | 17.3 | 16.3 | 15.2 | 14.2 | 13.3 | 12.1 | 11.0 | 8.7  | 5.6  |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
| Shut-off PSI |    |     | 156  | 147  | 139  | 130  | 121  | 113  | 104  | 95   | 87   | 78   | 69   | 61   | 52   | 43   | 35   | 17   |      |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
| 13GS20       | 2  | 0   |  |      |      |      |      |      |      |      |      | 20.0 | 19.5 | 19.0 | 18.3 | 17.9 | 17.2 | 15.8 | 14.4 | 12.6 | 10.5 | 7.7  |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 20  |  |      |      |      |      |      |      |      | 19.8 | 19.4 | 18.8 | 18.2 | 17.6 | 17.0 | 16.3 | 15.6 | 14.1 | 12.4 | 10.2 | 6.8  |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 30  |  |      |      |      |      |      |      |      | 19.7 | 19.3 | 18.7 | 18.2 | 17.4 | 16.8 | 16.2 | 15.5 | 14.8 | 13.1 | 11.1 | 8.8  |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 40  |  |      |      |      |      | 19.6 | 19.2 | 18.6 | 18.1 | 17.3 | 16.7 | 16.1 | 15.4 | 14.7 | 13.8 | 12.0 | 9.8  | 6.0  |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 50  |  |      |      | 20.1 | 19.5 | 19.1 | 18.4 | 18.0 | 17.2 | 16.6 | 16.0 | 15.2 | 14.6 | 13.7 | 12.9 | 10.8 | 8.5  |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
|              |    | 60  |  |      | 20.0 | 19.5 | 19.0 | 18.3 | 17.9 | 17.2 | 16.5 | 15.8 | 15.1 | 14.4 | 13.6 | 12.6 | 11.5 | 9.2  | 5.0  |      |      |      |      |      |      |      |     |     |     |     |  |  |  |
| Shut-off PSI |    |     |  |      | 206  | 198  | 189  | 180  | 172  | 163  | 155  | 146  | 137  | 129  | 120  | 111  | 103  | 85   | 68   | 51   | 33   | 16   |      |      |      |      |     |     |     |     |  |  |  |
| 13GS30       | 3  | 0   |  |      |      |      |      |      |      |      |      |      |      |      | 19.8 | 19.4 | 18.9 | 18.0 | 17.1 | 16.0 | 14.6 | 13.5 | 11.9 | 10.0 | 7.3  |      |     |     |     |     |  |  |  |
|              |    | 20  |  |      |      |      |      |      |      |      |      |      |      |      | 19.6 | 19.2 | 18.9 | 18.3 | 17.9 | 17.0 | 15.9 | 14.7 | 13.3 | 11.8 | 9.7  | 6.9  |     |     |     |     |  |  |  |
|              |    | 30  |  |      |      |      |      |      |      |      |      |      |      |      | 20.0 | 19.5 | 19.1 | 18.8 | 18.2 | 17.8 | 17.4 | 16.4 | 15.2 | 13.9 | 12.3 | 10.5 | 8.3 | 4.0 |     |     |  |  |  |
|              |    | 40  |  |      |      |      |      |      |      |      |      | 20.0 | 19.4 | 19.1 | 18.7 | 18.2 | 17.8 | 17.3 | 16.8 | 15.6 | 14.5 | 13.0 | 11.4 | 9.5  | 6.0  |      |     |     |     |     |  |  |  |
|              |    | 50  |  |      |      |      |      |      |      | 19.9 | 19.5 | 19.0 | 18.6 | 18.1 | 17.7 | 17.2 | 16.7 | 16.1 | 14.9 | 13.7 | 12.0 | 10.1 | 7.9  |      |      |      |     |     |     |     |  |  |  |
|              |    | 60  |  |      |      |      |      | 19.8 | 19.4 | 18.9 | 18.5 | 18.0 | 17.5 | 17.1 | 16.6 | 16.0 | 15.4 | 14.2 | 12.9 | 11.0 | 9.0  | 5.0  |      |      |      |      |     |     |     |     |  |  |  |
| Shut-off PSI |    |     |  |      |      |      | 235  | 226  | 217  | 209  | 200  | 191  | 183  | 174  | 165  | 157  | 139  | 122  | 104  | 87   | 70   | 53   | 35   | 18   |      |      |     |     |     |     |  |  |  |

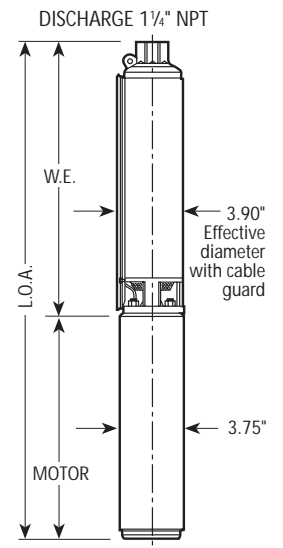


## DIMENSIONS AND WEIGHTS

| Model        | HP | Phase | Stages | Length (inches) |       |         | Weight (lbs.) |       |       |
|--------------|----|-------|--------|-----------------|-------|---------|---------------|-------|-------|
|              |    |       |        | W.E.②           | Motor | L.O.A.③ | W.E.          | Motor | Total |
| 18GS07412,22 | ¾  | 1     | 6      | 11.3            | 10.7  | 22.0    | 6             | 21    | 27    |
| 18GS10412,22 | 1  | 1     | 8      | 13.0            | 11.8  | 24.8    | 7             | 24    | 31    |
| 18GS15412    | 1½ | 1     | 11     | 15.5            | 13.6  | 29.1    | 9             | 28    | 37    |
| 18GS15422    | 1½ | 1     | 11     | 15.5            | 15.1  | 30.6    | 9             | 31    | 40    |
| 18GS15432,34 | 1½ | 3     | 11     | 15.5            | 11.8  | 27.3    | 9             | 24    | 33    |
| 18GS20412    | 2  | 1     | 14     | 18.1            | 15.1  | 33.2    | 10            | 33    | 43    |
| 18GS20432,34 | 2  | 3     | 14     | 18.1            | 13.6  | 31.7    | 10            | 28    | 38    |
| 18GS30412    | 3  | 1     | 19     | 22.4            | 19.1  | 41.5    | 12            | 41    | 53    |
| 18GS30432,34 | 3  | 3     | 19     | 22.4            | 16.1  | 38.5    | 12            | 35    | 47    |
| 18GS50412    | 5  | 1     | 30     | 32.9            | 28.2  | 61.1    | 17            | 70    | 87    |
| 18GS50432,34 | 5  | 3     | 30     | 32.9            | 22.2  | 55.1    | 17            | 55    | 72    |

② W.E. = water end or pump without motor.

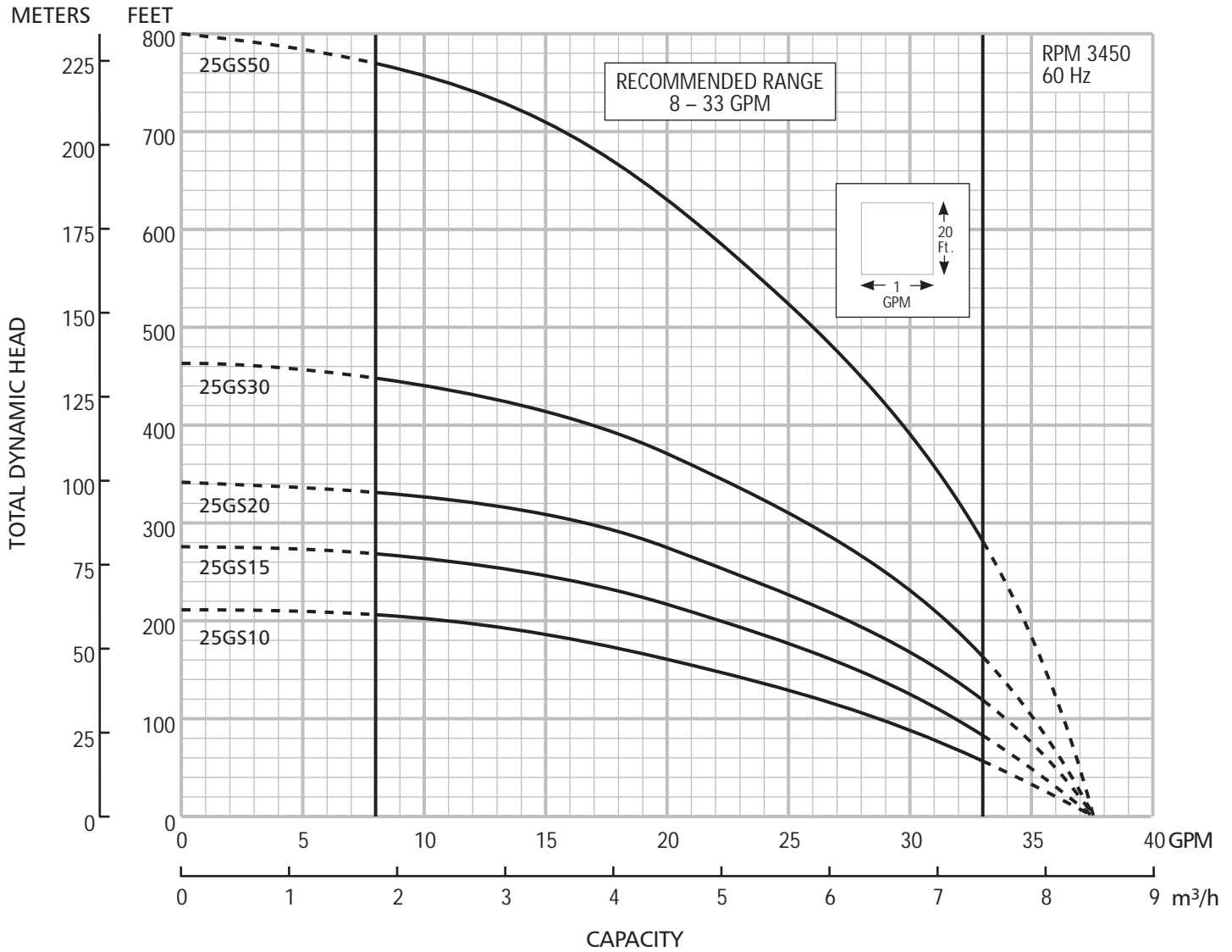
③ L.O.A. = length of assembly – complete pump – water end and motor.



## SELECTION CHART

Horsepower Range ¾ – 5, Recommended Range 6 – 28 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  | 340  | 380  | 420  | 460  | 500  | 540  | 580  | 620  | 660  | 700  | 740  | 780  | 820  | 860  |      |     |    |
| 18GS07       | ¾  | 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   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |    |
| 18GS10       | 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   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |    |
| 18GS15       | 1½ | 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   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |    |
| 18GS20       | 2  | 0   |  |      |      |      |      |      |      | 28.0 | 27.1 | 26.2 | 25.1 | 24.0 | 22.9 | 21.4 | 20.0 | 16.8 | 12.8 |      |      |      |      |      |      |      |      |      |      |      |      |      |     |    |
|              |    | 20  |  |      |      |      |      | 27.8 | 26.8 | 25.8 | 24.6 | 23.7 | 22.6 | 21.0 | 19.5 | 18.0 | 16.0 | 11.6 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |    |
|              |    | 30  |  |      |      |      | 27.5 | 26.5 | 25.5 | 24.5 | 23.3 | 22.1 | 20.6 | 19.0 | 17.5 | 15.8 | 13.6 | 6.5  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |    |
|              |    | 40  |  |      | 28.5 | 27.4 | 26.4 | 25.4 | 24.4 | 23.2 | 22.0 | 20.5 | 18.9 | 17.4 | 15.7 | 13.5 | 11.0 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |    |
|              |    | 50  |  | 28.0 | 27.2 | 26.2 | 25.3 | 24.3 | 23.0 | 21.8 | 20.3 | 18.7 | 17.0 | 15.3 | 13.1 | 10.5 | 6.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |    |
|              |    | 60  | 28.0   | 27.1 | 26.2 | 25.1 | 24.0 | 22.9 | 21.4 | 20.0 | 18.3 | 16.8 | 14.8 | 12.8 | 9.5  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |    |
| Shut-off PSI |    |     | 183  | 174  | 165  | 157  | 148  | 139  | 131  | 122  | 113  | 105  | 96   | 87   | 79   | 70   | 61   | 44   | 27   |      |      |      |      |      |      |      |      |      |      |      |      |      |     |    |
| 18GS30       | 3  | 0   |  |      |      |      |      |      |      |      |      |      | 28.0 | 27.4 | 26.7 | 26.0 | 25.0 | 23.5 | 21.5 | 19.2 | 16.9 | 14.2 | 10.5 |      |      |      |      |      |      |      |      |      |     |    |
|              |    | 20  |  |      |      |      |      |      |      |      |      | 27.7 | 27.0 | 26.3 | 25.8 | 24.9 | 24.0 | 23.0 | 21.0 | 18.9 | 16.5 | 13.5 | 9.0  |      |      |      |      |      |      |      |      |      |     |    |
|              |    | 30  |  |      |      |      |      |      |      |      |      | 27.6 | 26.9 | 26.2 | 25.5 | 24.8 | 23.9 | 22.9 | 21.9 | 19.8 | 17.5 | 14.9 | 11.2 |      |      |      |      |      |      |      |      |      |     |    |
|              |    | 40  |  |      |      |      |      |      |      |      |      | 27.5 | 26.9 | 26.2 | 25.4 | 24.6 | 23.8 | 22.8 | 21.8 | 20.9 | 18.5 | 16.0 | 13.3 | 8.0  |      |      |      |      |      |      |      |      |     |    |
|              |    | 50  |  |      |      |      |      |      |      |      |      | 27.4 | 26.8 | 26.0 | 25.2 | 24.5 | 23.6 | 22.6 | 21.7 | 20.6 | 19.5 | 17.3 | 14.5 | 11.0 |      |      |      |      |      |      |      |      |     |    |
|              |    | 60  |  |      |      | 28.0 | 27.4 | 26.7 | 26.0 | 25.0 | 24.3 | 23.5 | 22.5 | 21.5 | 20.5 | 19.2 | 18.0 | 15.7 | 12.8 | 7.0  |      |      |      |      |      |      |      |      |      |      |      |      |     |    |
| Shut-off PSI |    |     |  |      | 225  | 216  | 208  | 199  | 190  | 182  | 173  | 164  | 156  | 147  | 139  | 130  | 113  | 95   | 78   | 61   | 43   | 26   |      |      |      |      |      |      |      |      |      |      |     |    |
| 18GS50       | 5  | 0   |  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 27.9 | 26.8 | 25.8 | 24.8 | 23.7 | 22.6 | 21.2 | 19.9 | 18.4 | 16.8 | 14.8 | 12.4 | 9.7  |      |     |    |
|              |    | 20  |  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 27.5 | 26.6 | 25.6 | 24.5 | 23.3 | 22.2 | 21.0 | 19.8 | 18.0 | 16.2 | 14.3 | 12.0 | 8.8  |      |     |    |
|              |    | 30  |  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 28.0 | 26.9 | 26.0 | 25.0 | 23.9 | 22.9 | 21.6 | 20.3 | 18.6 | 17.0 | 15.0 | 13.0 | 10.2 | 6.2  |     |    |
|              |    | 40  |  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 28.0 | 27.4 | 26.3 | 25.3 | 24.4 | 23.2 | 22.1 | 20.1 | 19.4 | 17.9 | 16.0 | 14.0 | 11.6 | 8.0  |     |    |
|              |    | 50  |  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 27.9 | 27.3 | 26.8 | 25.9 | 24.9 | 23.8 | 22.7 | 21.3 | 20.1 | 18.5 | 16.9 | 14.9 | 12.8 | 10.0 | 6.0 |    |
|              |    | 60  |  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 27.9 | 27.2 | 26.8 | 26.2 | 25.2 | 24.1 | 23.0 | 21.9 | 20.7 | 19.2 | 17.5 | 15.8 | 13.6 | 11.0 | 7.8 |    |
| Shut-off PSI |    |     |  |      |      |      |      |      |      |      |      |      |      |      |      |      | 307  | 298  | 290  | 281  | 264  | 246  | 229  | 212  | 195  | 177  | 160  | 143  | 125  | 108  | 91   | 73   | 56  | 39 |

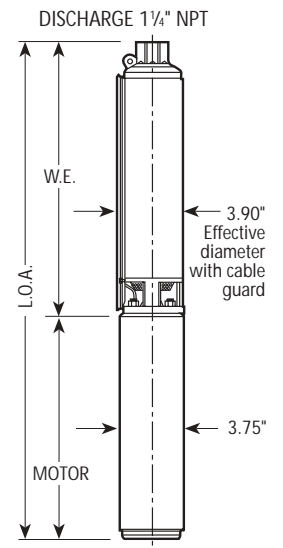


## DIMENSIONS AND WEIGHTS

| Model        | HP | Phase | Stages | Length (inches) |       |         | Weight (lbs.) |       |       |
|--------------|----|-------|--------|-----------------|-------|---------|---------------|-------|-------|
|              |    |       |        | W.E.②           | Motor | L.O.A.③ | W.E.          | Motor | Total |
| 25GS10412,22 | 1  | 1     | 7      | 12.7            | 11.8  | 24.5    | 7             | 24    | 31    |
| 25GS15412    | 1½ | 1     | 9      | 14.6            | 13.6  | 28.2    | 8             | 28    | 36    |
| 25GS15422    | 1½ | 1     | 9      | 14.6            | 15.1  | 29.7    | 8             | 31    | 39    |
| 25GS15432,34 | 1½ | 3     | 9      | 14.6            | 11.8  | 26.4    | 8             | 24    | 32    |
| 25GS20412    | 2  | 1     | 11     | 16.5            | 15.1  | 31.6    | 9             | 33    | 42    |
| 25GS20432,34 | 2  | 3     | 11     | 16.5            | 13.6  | 30.1    | 9             | 28    | 37    |
| 25GS30412    | 3  | 1     | 15     | 20.2            | 19.1  | 39.3    | 11            | 41    | 52    |
| 25GS30432,34 | 3  | 3     | 15     | 20.2            | 16.1  | 36.3    | 11            | 35    | 46    |
| 25GS50412    | 5  | 1     | 26     | 31.8            | 28.2  | 60.0    | 17            | 70    | 87    |
| 25GS50432,34 | 5  | 3     | 26     | 31.8            | 22.2  | 54.0    | 17            | 55    | 72    |

② W.E. = water end or pump without motor.

③ L.O.A. = length of assembly – complete pump – water end and motor.



## SELECTION CHART

Horsepower Range 1 – 5, Recommended Range 8 – 33 GPM, 60 Hz, 3450 RPM

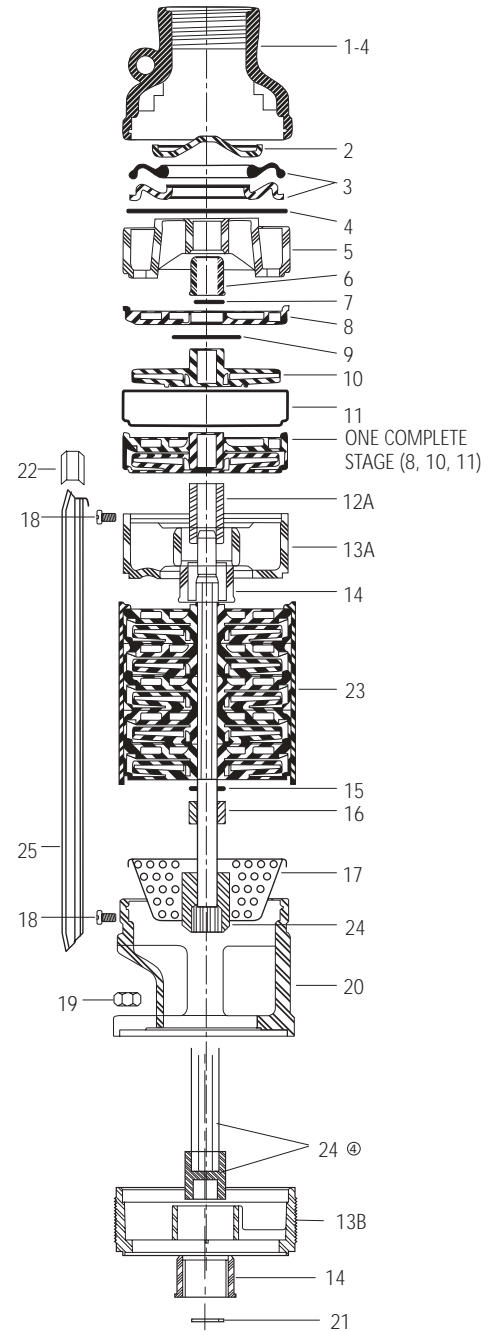
| Pump Model   | HP | PSI | Depth to Water in Feet/Ratings in GPM (Gallons per Minute) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------|----|-----|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|              |    |     | 20   | 40   | 60   | 80   | 100  | 120  | 140  | 160  | 180  | 200  | 220  | 240  | 260  | 280  | 300  | 340  | 380  | 420  | 460  | 500  | 540  | 580  | 620  | 660  | 700  | 740  |      |      |
| 25GS10       | 1  | 0   |  |      | 32.8 | 30.8 | 28.6 | 26.2 | 23.5 | 20.0 | 16.2 | 11.0 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 20  | 31.8   | 30.0 | 27.5 | 25.2 | 22.0 | 19.0 | 15.0 | 8.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 30  | 29.6   | 27.2 | 25.0 | 21.6 | 18.0 | 14.0 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 40  | 27.1   | 24.9 | 21.5 | 17.9 | 13.9 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 50  | 24.3   | 21.0 | 17.5 | 13.0 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 60  | 20.0   | 16.2 | 11.0 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Shut-off PSI |    |     | 82   | 74   | 65   | 56   | 48   | 39   | 30   | 22   | 13   | 4    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 25GS15       | 1½ | 0   |  |      |      | 33.0 | 31.8 | 30.3 | 28.8 | 26.9 | 24.8 | 22.0 | 19.8 | 16.5 | 11.0 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 20  |  | 32.6 | 31.2 | 29.6 | 28.0 | 26.0 | 23.8 | 21.0 | 18.1 | 14.8 | 8.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 30  | 32.5   | 31.0 | 29.5 | 27.6 | 25.6 | 23.2 | 20.9 | 17.9 | 14.0 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 40  | 30.9   | 29.4 | 27.5 | 25.5 | 23.1 | 20.8 | 17.7 | 13.6 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 50  | 29.0   | 27.2 | 25.1 | 22.9 | 20.4 | 17.2 | 13.0 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 60  | 26.9   | 24.8 | 22.0 | 19.8 | 16.5 | 11.0 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Shut-off PSI |    |     | 111  | 103  | 94   | 85   | 77   | 68   | 59   | 51   | 42   | 33   | 25   | 16   | 7    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 25GS20       | 2  | 0   |  |      |      |      | 33.0 | 31.8 | 30.4 | 29.0 | 27.4 | 25.7 | 22.6 | 21.5 | 19.3 | 15.4 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 20  |  |      |      | 32.7 | 31.3 | 30.0 | 28.6 | 26.8 | 25.0 | 22.9 | 20.9 | 18.3 | 14.3 | 9.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 30  |  |      | 32.3 | 31.0 | 29.6 | 28.5 | 26.4 | 24.5 | 22.6 | 20.5 | 18.0 | 14.0 | 8.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 40  |  |      | 30.9 | 29.5 | 28.2 | 26.3 | 24.3 | 22.4 | 20.4 | 17.8 | 13.6 | 8.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 50  |  | 30.5 | 29.4 | 28.0 | 26.0 | 24.1 | 22.1 | 20.0 | 17.2 | 13.2 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 60  | 30.4   | 29.0 | 27.4 | 25.7 | 22.6 | 21.5 | 19.3 | 15.4 | 12.2 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Shut-off PSI |    |     | 139  | 130  | 121  | 113  | 104  | 95   | 87   | 78   | 69   | 61   | 52   | 43   | 35   | 26   | 17   |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 25GS30       | 3  | 0   |  |      |      |      |      |      | 33.0 | 32.2 | 31.5 | 30.5 | 29.6 | 28.3 | 27.1 | 25.8 | 22.6 | 19.0 | 14.0 |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 20  |  |      |      |      |      | 32.8 | 32.0 | 31.0 | 30.0 | 29.0 | 27.9 | 26.6 | 25.0 | 23.8 | 21.9 | 20.0 | 12.6 |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 30  |  |      |      |      | 32.6 | 31.8 | 30.9 | 30.0 | 28.8 | 27.6 | 26.5 | 24.9 | 23.4 | 21.6 | 19.9 | 15.2 | 8.0  |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 40  |  |      |      | 32.5 | 31.7 | 30.9 | 29.9 | 28.8 | 27.5 | 26.2 | 24.7 | 23.3 | 21.5 | 19.9 | 17.8 | 11.9 |      |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 50  |  |      | 32.3 | 31.6 | 30.8 | 29.8 | 28.5 | 27.3 | 26.0 | 24.5 | 23.0 | 21.2 | 19.5 | 17.4 | 11.5 |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              |    | 60  | 33.0   | 32.2 | 31.5 | 30.5 | 29.6 | 28.3 | 27.1 | 25.8 | 24.1 | 22.6 | 20.9 | 19.0 | 16.9 | 14.0 | 10.0 |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Shut-off PSI |    |     | 191  | 183  | 174  | 165  | 157  | 148  | 139  | 131  | 122  | 113  | 105  | 96   | 87   | 79   | 70   | 53   | 35   | 18   |      |      |      |      |      |      |      |      |      |      |
| 25GS50       | 5  | 0   |  |      |      |      |      |      |      |      |      |      |      |      |      | 33.0 | 32.5 | 31.5 | 30.2 | 29.0 | 27.6 | 26.0 | 24.2 | 22.4 | 20.5 | 18.3 | 15.8 | 12.0 |      |      |
|              |    | 20  |  |      |      |      |      |      |      |      |      |      |      |      |      | 32.9 | 32.3 | 31.8 | 31.3 | 30.0 | 28.8 | 27.2 | 25.8 | 23.9 | 22.0 | 20.0 | 17.8 | 15.0 | 11.0 |      |
|              |    | 30  |  |      |      |      |      |      |      |      |      |      |      |      |      | 32.8 | 32.2 | 31.8 | 31.2 | 30.5 | 29.3 | 27.9 | 26.4 | 24.8 | 22.9 | 21.0 | 18.9 | 16.2 | 13.0 | 8.0  |
|              |    | 40  |  |      |      |      |      |      |      |      |      |      |      |      |      | 32.7 | 32.1 | 31.7 | 31.1 | 30.4 | 29.9 | 28.5 | 27.1 | 25.4 | 23.7 | 21.9 | 19.9 | 17.5 | 14.5 | 10.5 |
|              |    | 50  |  |      |      |      |      |      |      |      |      |      |      |      |      | 32.6 | 32.1 | 31.6 | 31.0 | 30.3 | 29.9 | 29.2 | 27.8 | 26.3 | 24.5 | 22.6 | 21.8 | 18.7 | 16.0 | 12.7 |
|              |    | 60  |  |      |      |      |      |      |      | 33.0 | 32.5 | 32.0 | 31.5 | 30.8 | 30.2 | 29.8 | 29.0 | 28.3 | 26.9 | 25.1 | 23.3 | 21.5 | 19.5 | 17.0 | 14.0 | 9.5  |      |      |      |      |
| Shut-off PSI |    |     |  |      |      |      |      | 286  | 277  | 268  | 260  | 251  | 242  | 234  | 225  | 216  | 199  | 182  | 165  | 147  | 130  | 113  | 95   | 78   | 61   | 43   | 26   |      |      |      |

# Repair Parts

MODEL

## GS

| Item No.       | Description                       | Current Models ③ |                               |        |        |        |        |        |        |   |
|----------------|-----------------------------------|------------------|-------------------------------|--------|--------|--------|--------|--------|--------|---|
|                |                                   | HP               | 5GS                           | 7GS    | 10GS   | 13GS   | 18GS   | 25GS   |        |   |
|                | NUMBER OF STAGES                  | 1/2R             | 9                             | 7      | 5      | —      | —      | —      |        |   |
|                |                                   | 1/2              | 12                            | 10     | 7      | 5      | —      | —      |        |   |
|                |                                   | 3/4              | 15                            | 13     | 10     | 7      | 6      | —      |        |   |
|                |                                   | 1                | 20                            | 17     | 12     | 10     | 8      | 7      |        |   |
|                |                                   | 1 1/2            | 26 ①                          | 22     | 17     | 12     | 11     | 9      |        |   |
|                |                                   | 2                | 33 ②                          | 27 ①   | 20     | 17     | 14     | 11     |        |   |
|                |                                   | 3                | —                             | 34 ②   | 27 ②   | 21     | 19     | 15     |        |   |
|                |                                   | 5                | —                             | —      | 42 ②   | —      | 30 ②   | 26 ②   |        |   |
| 1-4            | Discharge head assembly           | 7K2077           | 7K2077                        | 7K2077 | 7K2077 | 7K2077 | 7K2077 |        |        |   |
| 2              | Check valve poppet                | 7K1366           | 7K1366                        | 7K1366 | 7K1366 | 7K1366 | 7K1366 |        |        |   |
| 3              | C.V. seal/seat assembly           | 7K2123           | 7K2123                        | 7K2123 | 7K2123 | 7K2123 | 7K2123 |        |        |   |
| 4              | C. V. retaining ring              | 7K1364           | 7K1364                        | 7K1364 | 7K1364 | 7K1364 | 7K1364 |        |        |   |
| 5              | Bearing spider – upper            | 7K1372           | 7K1372                        | 7K1372 | 7K1372 | 7K1372 | 7K1372 |        |        |   |
| 6              | Bearing                           | 7K1740           | 7K1740                        | 7K1740 | 7K1740 | 7K1740 | 7K1740 |        |        |   |
| 7              | Shaft retaining ring – upper      | 7K817            | 7K817                         | 7K817  | 7K817  | 7K817  | 7K817  |        |        |   |
| 8              | Diffuser                          | 7K1750           | 7K995                         | 7K17   | 7K17   | 7K20   | 7K20   |        |        |   |
| 9              | Upthrust washer                   | 7K15             | 7K15                          | 7K15   | —      | 7K15   | 7K15   |        |        |   |
| 10             | Impeller<br>7GS 1/2 hp - 1 1/2 hp | 7K1837           | 7K1343                        | 7K35   | 7K16   | 7K1334 | 7K19   |        |        |   |
| 10             | Impeller<br>7GS 2 and 3 hp        | —                | 7K994                         | —      | —      | —      | —      |        |        |   |
| 11             | Bowl                              | 7K1838           | 7K478                         | 7K478  | 7K478  | 7K858  | 7K18   |        |        |   |
| 12A ①          | Intermediate shaft sleeve         | 7K209            | —                             | 7K209  | —      | 7K209  | 7K209  |        |        |   |
| 12B ②          | Intermediate shaft sleeve         | ④                | ④                             | ④      | —      | ④      | —      |        |        |   |
| 13A ①          | Intermediate bearing spider       | 7K1371           | —                             | —      | —      | —      | —      |        |        |   |
| 13B ②          | Intermediate bearing spider       | 7K1989           | 7K1989                        | 7K1989 | —      | 7K1989 | 7K1989 |        |        |   |
| 14             | Mid bearing for 13A & 13B         | 7K1369           | 7K1369                        | 7K1369 | —      | 7K1369 | 7K1369 |        |        |   |
| 15             | Shim                              | 7K155            | 7K155                         | 7K155  | 7K155  | 7K155  | 7K155  |        |        |   |
| 16             | Lower shaft sleeve                | 7K1336           | 7K1336                        | 7K1336 | 7K1336 | 7K1336 | 7K1336 |        |        |   |
| 17             | Inlet strainer                    | 7K1370           | 7K1370                        | 7K1370 | 7K1370 | 7K1370 | 7K1370 |        |        |   |
| 18             | Screws – cable guard              | 13K91            | 13K91                         | 13K91  | 13K91  | 13K91  | 13K91  |        |        |   |
| 19             | Hex nut                           | 13K114           | 13K114                        | 13K114 | 13K114 | 13K114 | 13K114 |        |        |   |
| 20             | Motor adapter                     | 7K1363           | 7K1363                        | 7K1363 | 7K1363 | 7K1363 | 7K1363 |        |        |   |
| 21             | Lower shaft retaining ring        | —                | 7K1553                        | 7K1553 | —      | 7K1553 | —      |        |        |   |
| 22             | Motor lead insulator              | 7K1023           | 7K1023                        | 7K1023 | 7K1023 | 7K1023 | 7K1023 |        |        |   |
| 23             | Casings                           | 1/2R             | 7K1968                        | 7K1913 | 7K1902 | —      | —      | —      |        |   |
|                |                                   | 1/2              | 7K1938                        | 7K1936 | 7K1905 | 7K1902 | —      | —      |        |   |
|                |                                   | 3/4              | 7K1941                        | 7K1939 | 7K1935 | 7K1905 | 7K1964 | —      |        |   |
|                |                                   | 1                | 7K1949                        | 7K1973 | 7K1938 | 7K1935 | 7K1935 | 7K1914 |        |   |
|                |                                   | Upper<br>Lower   | 1 1/2                         | 7K1954 | 7K1951 | 7K1944 | 7K1938 | 7K1939 | 7K1943 |   |
|                |                                   |                  | —                             | —      | —      | —      | —      | —      | —      |   |
|                |                                   | Upper<br>Lower   | 2                             | 7K1453 | 7K1958 | 7K1949 | 7K1944 | 7K1945 | 7K1941 |   |
|                |                                   |                  | 7K1452                        | —      | —      | —      | —      | —      | —      |   |
|                |                                   | Upper<br>Lower   | 3                             | —      | 7K1973 | 7K1946 | 7K1950 | 7K1952 | 7K1479 |   |
|                |                                   |                  | —                             | —      | 7K1453 | 7K1943 | —      | —      | —      |   |
|                |                                   | Upper<br>Lower   | 5                             | —      | —      | 7K1971 | —      | 7K1948 | 7K1947 |   |
|                |                                   |                  | —                             | —      | —      | 7K1636 | —      | 7K1738 | 7K1453 |   |
|                |                                   | 24               | Shaft and coupling assemblies | 1/2R   | 7K1033 | 7K1361 | 7K1358 | —      | —      | — |
|                |                                   |                  |                               | 1/2    | 7K1377 | 7K1376 | 7K1360 | 7K1358 | —      | — |
| 3/4            | 7K1381                            |                  |                               | 7K1380 | 7K1375 | 7K1360 | 7K1359 | —      |        |   |
| 1              | 7K1458                            |                  |                               | 7K1384 | 7K1377 | 7K1375 | 7K1375 | 7K1374 |        |   |
| Upper<br>Lower | 1 1/2                             |                  |                               | 7K1839 | 7K1839 | 7K1457 | 7K1377 | 7K1380 | 7K1378 |   |
|                | —                                 |                  |                               | —      | —      | —      | —      | —      | —      |   |
| Upper<br>Lower | 2                                 |                  |                               | 7K1877 | 7K1391 | 7K1458 | 7K1457 | 7K1382 | 7K1381 |   |
|                | 7K1879                            |                  |                               | —      | —      | —      | —      | —      | —      |   |
| Upper<br>Lower | 3                                 |                  |                               | —      | 7K1462 | 7K1878 | 7K1386 | 7K1387 | 7K1385 |   |
|                | —                                 |                  |                               | —      | 7K1213 | 7K1880 | —      | —      | —      |   |
| Upper<br>Lower | 5                                 |                  |                               | —      | —      | 7K1393 | —      | 7K1736 | 7K2212 |   |
|                | —                                 |                  |                               | —      | —      | 7K1221 | —      | 7K1737 | 7K2211 |   |
| 25             | Cable guards                      |                  |                               | 1/2R   | 7K1885 | 7K1883 | 7K1881 | —      | —      | — |
|                |                                   |                  |                               | 1/2    | 7K1888 | 7K1886 | 7K1883 | 7K1881 | —      | — |
|                |                                   | 3/4              | 7K1890                        | 7K1889 | 7K1886 | 7K1883 | 7K1883 | —      |        |   |
|                |                                   | 1                | 7K1917                        | 7K1916 | 7K1888 | 7K1886 | 7K1886 | 7K1886 |        |   |
|                |                                   | 1 1/2            | 7K1922                        | 7K1919 | 7K1916 | 7K1888 | 7K1889 | 7K1888 |        |   |
|                |                                   | 2                | 7K1927                        | 7K1924 | 7K1917 | 7K1916 | 7K1916 | 7K1890 |        |   |
|                |                                   | 3                | —                             | 7K1929 | 7K1923 | 7K1918 | 7K1920 | 7K1917 |        |   |
|                |                                   | 5                | —                             | —      | 7K1931 | —      | 7K1930 | 7K1929 |        |   |



- ① Model has one intermediate bearing spider, order bearing and spider separately.
- ② Model has one intermediate bearing spider, a split case design and upper and lower shaft assemblies.
- ③ Current GS pumps are identified by 4 cable guard screws.
- ④ Intermediate Shaft Sleeve 7K1490 is now a pressed on part of the upper shaft assembly on split case pumps.

# Application

## TECHNICAL DATA

### Single Phase Franklin Motors

#### SINGLE PHASE MOTOR SPECIFICATIONS (60 HERTZ) 3450 RPM

| Type                           | Goulds Model Number | Franklin Motor Model Prefix | Rated Input |       |    |      | Rated Input             |       | Maximum (S.F. Load)     |       | (1) Line to Line        | Locked Rotor | KVA  | Inverse Time Breaker | Dual Element Time Delay Fuse |
|--------------------------------|---------------------|-----------------------------|-------------|-------|----|------|-------------------------|-------|-------------------------|-------|-------------------------|--------------|------|----------------------|------------------------------|
|                                |                     |                             | HP          | Volts | Hz | S.F. | (2) Amps                | Watts | (2) Amps                | Watts | Res. M = Main S = Start | Amps         | Code |                      |                              |
| 4 inch two wire                | S03932 <sup>ⓐ</sup> | 244502                      | 1/3         | 115   | 60 | 1.75 | 8.0                     | 480   | 9.2                     | 720   | 1.4-1.8                 | 48.4         | S    | 20                   | 15                           |
|                                | S03942 <sup>ⓐ</sup> | 244503                      | 1/3         | 230   | 60 | 1.75 | 4.0                     | 480   | 4.6                     | 720   | 6.0-7.4                 | 24.2         | S    | 15                   | 8                            |
|                                | S04932              | 244504                      | 1/2         | 115   | 60 | 1.60 | 10.0                    | 680   | 12.0                    | 970   | 1.0-1.3                 | 64.4         | R    | 30                   | 20                           |
|                                | S04942              | 244505                      | 1/2         | 230   | 60 | 1.60 | 5.0                     | 680   | 6.0                     | 970   | 4.2-5.2                 | 32.2         | R    | 15                   | 10                           |
|                                | S05942              | 244507                      | 3/4         | 230   | 60 | 1.50 | 6.8                     | 950   | 8.0                     | 1325  | 3.0-3.6                 | 40.7         | N    | 20                   | 15                           |
|                                | S06942              | 244508                      | 1           | 230   | 60 | 1.40 | 8.2                     | 1200  | 9.8                     | 1600  | 2.2-2.7                 | 48.7         | M    | 25                   | 20                           |
|                                | S07942              | 244309                      | 1 1/2       | 230   | 60 | 1.30 | 10.6                    | 1780  | 13.1                    | 2250  | 1.5-1.9                 | 66.6         | L    | 30                   | 20                           |
| 4 inch three wire              | S03930 <sup>ⓐ</sup> | 214502                      | 1/3         | 115   | 60 | 1.75 | Y8.0<br>B8.0<br>R0      | 480   | Y9.2<br>B9.2<br>R0      | 720   | 1.4-1.8M<br>6.5-7.9S    | 34.8         | N    | 20                   | 15                           |
|                                | S03940 <sup>ⓐ</sup> | 214503                      | 1/3         | 230   | 60 | 1.75 | Y4.0<br>B4.0<br>R0      | 480   | Y4.6<br>B4.6<br>R0      | 720   | 6.0-7.4M<br>26.1-32S    | 17.2         | N    | 15                   | 8                            |
|                                | S04930              | 214504                      | 1/2         | 115   | 60 | 1.60 | Y10.0<br>B10.0<br>R0    | 680   | Y12.0<br>B12.0<br>R0    | 970   | 1.0-1.3M<br>4.1-5.1S    | 50.5         | M    | 30                   | 20                           |
|                                | S04940              | 214505                      | 1/2         | 230   | 60 | 1.60 | Y5.0<br>B5.0<br>R0      | 680   | Y6.0<br>B6.0<br>R0      | 970   | 4.2-5.2M<br>16.7-20.5S  | 23.0         | M    | 15                   | 10                           |
|                                | S05940              | 214507                      | 3/4         | 230   | 60 | 1.50 | Y6.8<br>B6.8<br>R0      | 950   | Y8.0<br>B8.0<br>R0      | 1325  | 3.0-3.6M<br>11.0-13.4S  | 34.2         | M    | 20                   | 15                           |
|                                | S06940              | 214508                      | 1           | 230   | 60 | 1.40 | Y8.2<br>B8.2<br>R0      | 1200  | Y9.8<br>B9.8<br>R0      | 1600  | 2.2-2.7M<br>10.1-12.3S  | 41.8         | L    | 25                   | 20                           |
| 4 inch three wire with run cap | S07940              | 224300                      | 1 1/2       | 230   | 60 | 1.30 | Y10.0<br>B9.9<br>R1.3   | 1700  | Y11.5<br>B11.0<br>R1.3  | 2150  | 1.5-2.3M<br>6.2-12.0S   | 52.0         | J    | 30                   | 20                           |
|                                | S08940              | 224301                      | 2           | 230   | 60 | 1.25 | Y10.0<br>B9.3<br>R2.6   | 2100  | Y13.2<br>B11.9<br>R2.6  | 2650  | 1.6-2.3M<br>5.2-7.15S   | 51.0         | G    | 25                   | 20                           |
|                                | S09940              | 224302                      | 3           | 230   | 60 | 1.15 | Y14.0<br>B11.2<br>R6.1  | 3150  | Y17.0<br>B12.6<br>R6.0  | 3650  | .9-1.5M<br>3.0-4.9S     | 83.5         | H    | 40                   | 30                           |
|                                | S10940              | 224303                      | 5           | 230   | 60 | 1.15 | Y23.0<br>B15.9<br>R11.0 | 5100  | Y27.5<br>B19.1<br>R10.8 | 5900  | .68-1.0M<br>1.8-2.8S    | 121.0        | F    | 60                   | 45                           |
| 6 inch                         | S10941              | 226110                      | 5           | 230   | 60 | 1.15 | Y23.0<br>B14.3<br>R10.8 | 5000  | Y27.5<br>B17.4<br>R10.5 | 5700  | .55-.68M<br>1.3-1.6S    | 99.0         | E    | 60                   | 45                           |
|                                | S11970              | 226111                      | 7 1/2       | 230   | 60 | 1.15 | Y36.5<br>B34.4<br>R5.5  | 7300  | Y42.1<br>B40.5<br>R5.4  | 8800  | .36-.50M<br>.92-1.2S    | 165.0        | F    | 100                  | 70                           |
|                                | S12970              | 226112                      | 10          | 230   | 60 | 1.15 | Y44.0<br>B39.5<br>R9.3  | 9800  | Y51.0<br>B47.5<br>R8.9  | 11300 | .27-.33M<br>.80-.99S    | 204.0        | E    | 125                  | 80                           |
|                                | S13970              | 226113                      | 15          | 230   | 60 | 1.15 | Y62.0<br>B52.0<br>R17.5 | 13900 | Y75.0<br>B62.5<br>R16.9 | 16200 | .17-.22M<br>.68-.93S    | 303.0        | E    | 175                  | 125                          |

ⓐ Obsolete – use comparable 1/2 HP.  
(1) Main winding – black to yellow  
Start winding – red to yellow

(2) Y = Yellow lead, line amps  
B = Black lead, main winding amps  
R = Red lead, start or auxiliary winding amps

Franklin Electric at 1-800-348-2420.  
For additional motor data call

## Three Phase Franklin Motors

**THREE PHASE MOTOR SPECIFICATIONS (60 HERTZ) 3450 RPM**

| Type                  | Goulds Model Number | Franklin Motor Model Prefix |     |       |      |      | Rated Input |        | Maximum (S.F. Load) |         | Line to Line | Locked Rotor | KVA  | Inverse Time Breaker | Dual Element Time Delay Fuse |
|-----------------------|---------------------|-----------------------------|-----|-------|------|------|-------------|--------|---------------------|---------|--------------|--------------|------|----------------------|------------------------------|
|                       |                     |                             | HP  | Volts | Hz   | S.F. | Amps        | Watts  | Amps                | Watts   | Res.         | Amps         | Code |                      |                              |
| 4 inch<br>3450<br>RPM | S04978              | 234501                      | ½   | 200   | 60   | 1.6  | 2.8         | 585    | 3.4                 | 860     | 6.6-7.3      | 17.5         | N    | 15                   | 5                            |
|                       | S04970              | 234511                      | ½   | 230   | 60   | 1.6  | 2.4         | 585    | 2.9                 | 860     | 9.5-10.4     | 15.0         | N    | 15                   | 5                            |
|                       | S04975              | 234521                      | ½   | 460   | 60   | 1.6  | 1.2         | 585    | 1.5                 | 860     | 38.4-41.6    | 7.5          | N    | 15                   | 3                            |
|                       | S05978              | 234502                      | ¾   | 200   | 60   | 1.5  | 3.7         | 810    | 4.4                 | 1150    | 4.66-5.12    | 24.6         | M    | 15                   | 8                            |
|                       | S05970              | 234512                      | ¾   | 230   | 60   | 1.5  | 3.2         | 810    | 3.8                 | 1150    | 7.24-7.84    | 21.4         | M    | 15                   | 6                            |
|                       | S05975              | 234522                      | ¾   | 460   | 60   | 1.5  | 1.6         | 810    | 1.9                 | 1150    | 27.8-30.2    | 10.7         | M    | 15                   | 3                            |
|                       | S06978              | 234503                      | 1   | 200   | 60   | 1.4  | 4.6         | 1070   | 5.4                 | 1440    | 4.1-4.5      | 31.0         | M    | 15                   | 10                           |
|                       | S06970              | 234513                      | 1   | 230   | 60   | 1.4  | 4.0         | 1070   | 4.7                 | 1440    | 5.2-5.6      | 27.0         | M    | 15                   | 8                            |
|                       | S06975              | 234523                      | 1   | 460   | 60   | 1.4  | 2.0         | 1070   | 2.4                 | 1440    | 21.2-23.0    | 13.5         | M    | 15                   | 4                            |
|                       | S07978              | 234504                      | 1½  | 200   | 60   | 1.3  | 5.6         | 1460   | 6.8                 | 1890    | 2.5-3.0      | 38.1         | K    | 15                   | 10                           |
|                       | S07970              | 234514                      | 1½  | 230   | 60   | 1.3  | 4.9         | 1460   | 5.9                 | 1890    | 3.2-4.0      | 33.1         | K    | 15                   | 10                           |
|                       | S07975              | 234524                      | 1½  | 460   | 60   | 1.3  | 2.5         | 1460   | 3.0                 | 1890    | 13.0-16.0    | 16.6         | K    | 15                   | 5                            |
|                       | S07979              | 234534                      | 1½  | 575   | 60   | 1.3  | 2.0         | 1460   | 2.4                 | 1890    | 20.3-25.0    | 13.2         | K    | 15                   | 4                            |
|                       | S08978              | 234305                      | 2   | 200   | 60   | 1.25 | 7.9         | 2150   | 9.3                 | 2700    | 1.9-2.4      | 53.6         | L    | 20                   | 15                           |
|                       | S08970              | 234315                      | 2   | 230   | 60   | 1.25 | 6.9         | 2150   | 8.1                 | 2700    | 2.4-3.0      | 46.6         | L    | 20                   | 15                           |
|                       | S08975              | 234325                      | 2   | 460   | 60   | 1.25 | 3.5         | 2150   | 4.1                 | 2700    | 9.7-12.0     | 23.3         | L    | 15                   | 8                            |
|                       | S08979              | 234335                      | 2   | 575   | 60   | 1.25 | 2.8         | 2150   | 3.2                 | 2700    | 15.1-18.7    | 18.6         | L    | 15                   | 5                            |
|                       | S09978              | 234306                      | 3   | 200   | 60   | 1.15 | 11.3        | 2980   | 12.4                | 3420    | 1.3-1.7      | 71           | K    | 30                   | 20                           |
|                       | S09970              | 234316                      | 3   | 230   | 60   | 1.15 | 9.8         | 2980   | 10.8                | 3420    | 1.8-2.2      | 62           | K    | 25                   | 20                           |
|                       | S09975              | 234326                      | 3   | 460   | 60   | 1.15 | 4.9         | 2980   | 5.4                 | 3420    | 7.0-8.7      | 31           | K    | 15                   | 10                           |
|                       | S09979              | 234336                      | 3   | 575   | 60   | 1.15 | 3.9         | 2980   | 4.3                 | 3420    | 10.9-13.6    | 25           | K    | 15                   | 8                            |
|                       | S10978              | 234307                      | 5   | 200   | 60   | 1.15 | 18.4        | 5050   | 20.4                | 5810    | .70-.94      | 122          | K    | 50                   | 35                           |
|                       | S10970              | 234317                      | 5   | 230   | 60   | 1.15 | 16.0        | 5050   | 17.7                | 5810    | .93-1.2      | 106          | K    | 40                   | 30                           |
|                       | S10975              | 234327                      | 5   | 460   | 60   | 1.15 | 8.0         | 5050   | 8.9                 | 5810    | 3.6-4.4      | 53           | K    | 20                   | 15                           |
|                       | S10979              | 234337                      | 5   | 575   | 60   | 1.15 | 6.4         | 5050   | 7.1                 | 5810    | 5.6-6.9      | 43           | K    | 20                   | 15                           |
|                       | S119784             | 234308                      | 7½  | 200   | 60   | 1.15 | 27.1        | 7360   | 29.9                | 8450    | .46-.57      | 188          | K    | 70                   | 50                           |
|                       | S119704             | 234318                      | 7½  | 230   | 60   | 1.15 | 23.6        | 7360   | 26.0                | 8450    | .61-.75      | 164          | K    | 60                   | 45                           |
|                       | S119754             | 234328                      | 7½  | 460   | 60   | 1.15 | 11.8        | 7360   | 13.0                | 8450    | 2.4-3.4      | 82           | K    | 30                   | 25                           |
|                       | S119794             | 234338                      | 7½  | 575   | 60   | 1.15 | 9.4         | 7360   | 10.4                | 8450    | 3.5-5.1      | 66           | K    | 25                   | 20                           |
|                       | S129724             | 234329                      | 10  | 460   | 60   | 1.15 | 17.0        | 10,000 | 18.5                | 11400   | 1.8-2.3      | 116          | L    | 45                   | 30                           |
| S119794               | 234339              | 10                          | 575 | 60    | 1.15 | 13.6 | 10,000      | 14.8   | 11400               | 2.8-3.5 | 92.8         | L            | 35   | 25                   |                              |

**NOTES:**

Model numbers are three lead motors. Six lead motors with different model numbers have the same running performance, but when wye connected for starting have locked rotor amps 33% of the values shown.

For additional motor data call Franklin Electric at 1-800-348-2420.