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**SHIMGE PUMP INDUSTRY (ZHEJIANG) CO., LTD.**

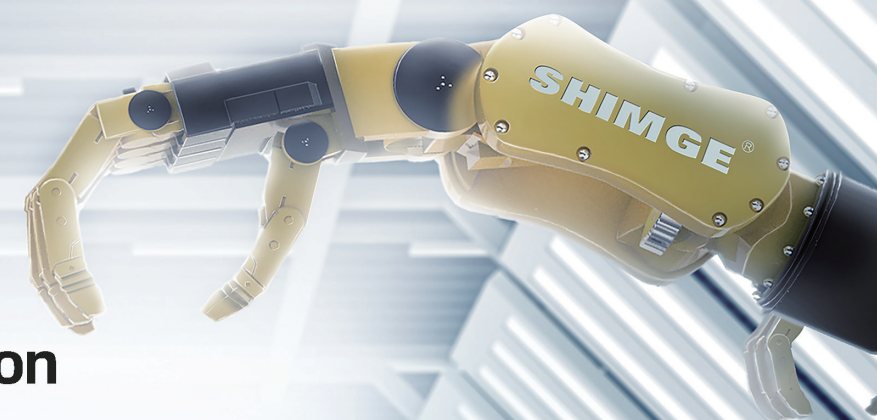
Add: Dayangcheng Industrial Zone, Daxi Town, Wenling City, Zhejiang Province, China  
Tel: +86-576-86339960  
Fax: +86-576-86337079  
Email: [admin@shimge.com](mailto:admin@shimge.com)

2024/09

**SHIMGE**<sup>®</sup>  
..... for better life

**SGL(W)-G**

**Single-stage Single-suction  
Vertical(Horizontal)  
Centrifugal Pump**





# COMPANY PROFILE

Established in 1984 and headquartered in Daxi Town, Wenling City, Zhejiang Province—a town with flourishing pump industry, Shimge Pump Industry (Zhejiang) Co., Ltd. is a limited liability company specialized in producing various kinds of pumps and control equipment. For over three decades, Shimge Pump Industry has been committed to technical researches, manufacturing and marketing of all kinds of pumps and control equipment, as well as providing first-class pumps and water treatment system solutions for the world.

Based on keen market insight, the company developed the “screw pump” in 1987, which filled the gap in the domestic market at that time. Due to its excellent quality, Shimge soon stood out in the industry, and started its journey as a legendary brand in China’s pump industry. The company was once successfully listed in the A-share market in Shenzhen Stock Exchange on December 31, 2010 (stock code: 002532. According to the development strategy of the company, it was delisted in the form of asset reorganization and completed privatization in July 2020`)). Currently, the company has 6 major brands, 14 product series with more than 2,000 specifications, and 8 holding subsidiaries, becoming a real leading brand in China’s pump industry.



## DIRECTORY

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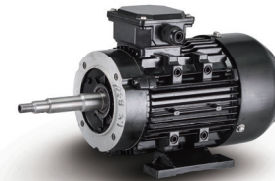
## SINGLE-STAGE SINGLE-SUCTION VERTICAL (HORIZONTAL) CENTRIFUGAL PUMP

### STRUCTURAL FEATURES

It adopts the popular modular design in the world to reduce spare parts for versatility of parts, which is convenient for procurement, manufacturing and maintenance.

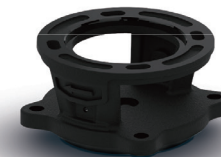
#### Motor

- Die-cast aluminum special shaft motor
- P55 waterproof protection
- Efficient and reliable Class F insulation



#### Connector

- Professional styling • B14 flange
- Surface electrophoresis treatment
- Fully coated sand casting process



#### Pump body

- Patented certification, runner offset pump body, anti-vibration design
- Extra-high overflow efficiency
- Fully coated sand casting process to ensure runner roughness and dimensional accuracy



#### Protective sheet

- Attractive appearance
- ABS material



#### Impeller

- German casting process
- Cast iron material
- High-efficiency hydraulic design





### Product Overview

SGL(W)-Type G vertical (horizontal) single-stage single-suction centrifugal pump (hereinafter referred to as the “inline pump” ) is a new generation of high-efficiency centrifugal pump developed by SHIMGE, which has lower noise, smaller volume, more stable operation, and less failure rate, etc., than SGL(W). It is widely used in industry and agriculture, and can replace centrifugal pumps used in general.

### Application Fields

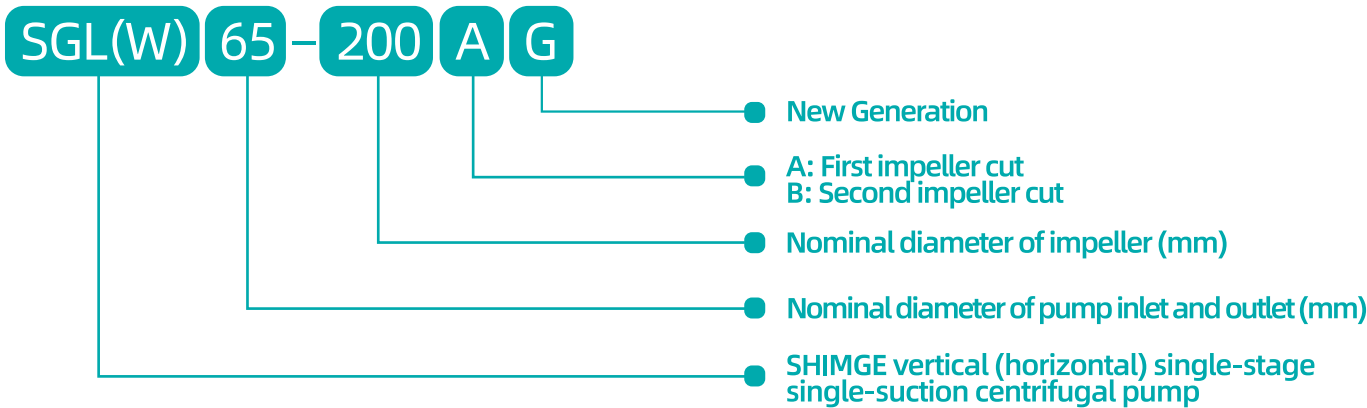
SGL(W)-Type G vertical (horizontal) single-stage single-suction centrifugal pump is a multifunctional product with a wide range of applications, which can convey different media including water or industrial liquids, and adapt to different temperature, flow and pressure ranges. It is mainly applied in the following typical fields:

- Environment with thin, clean, non-erosive, non-flammable and non-explosive substances that do not contain solid particles or fibers;
- Environment with substances such as softened water, purified water, living water supply, and clean oil, etc.;
- Suitable for industrial and urban water supply and drainage, pressure boosting water supply in high-rise buildings, landscape sprinkler irrigation, pressure boosting for fire-fighting purposes, long-distance transmission, heating, ventilating and air conditioning (HAVC), and other cooling and heating water circulatory pressure boosting and equipment supporting purposes.
- Suitable for energy, metallurgy, chemical industry, textile, papermaking, hotels, restaurants and other boiler hot water pressure boosting transmission and urban heating system circulation.

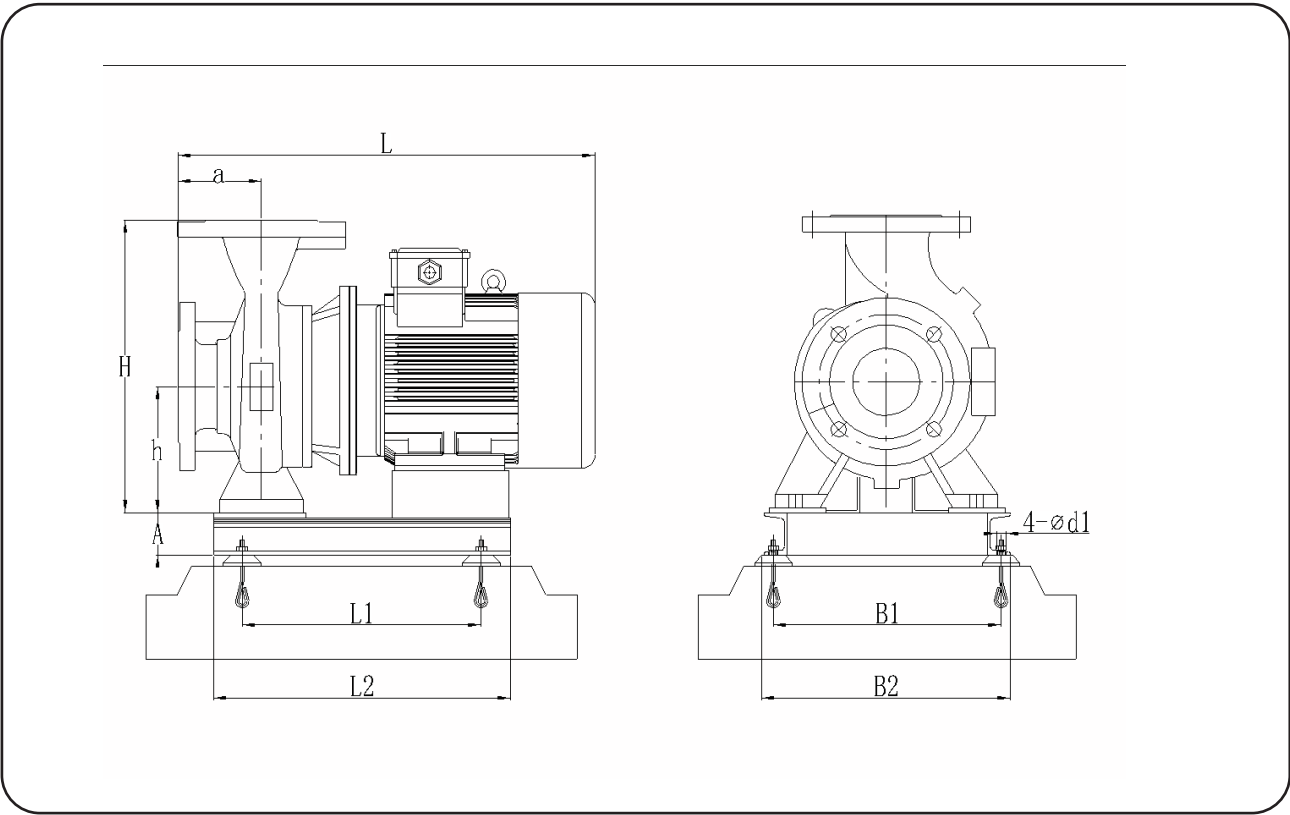
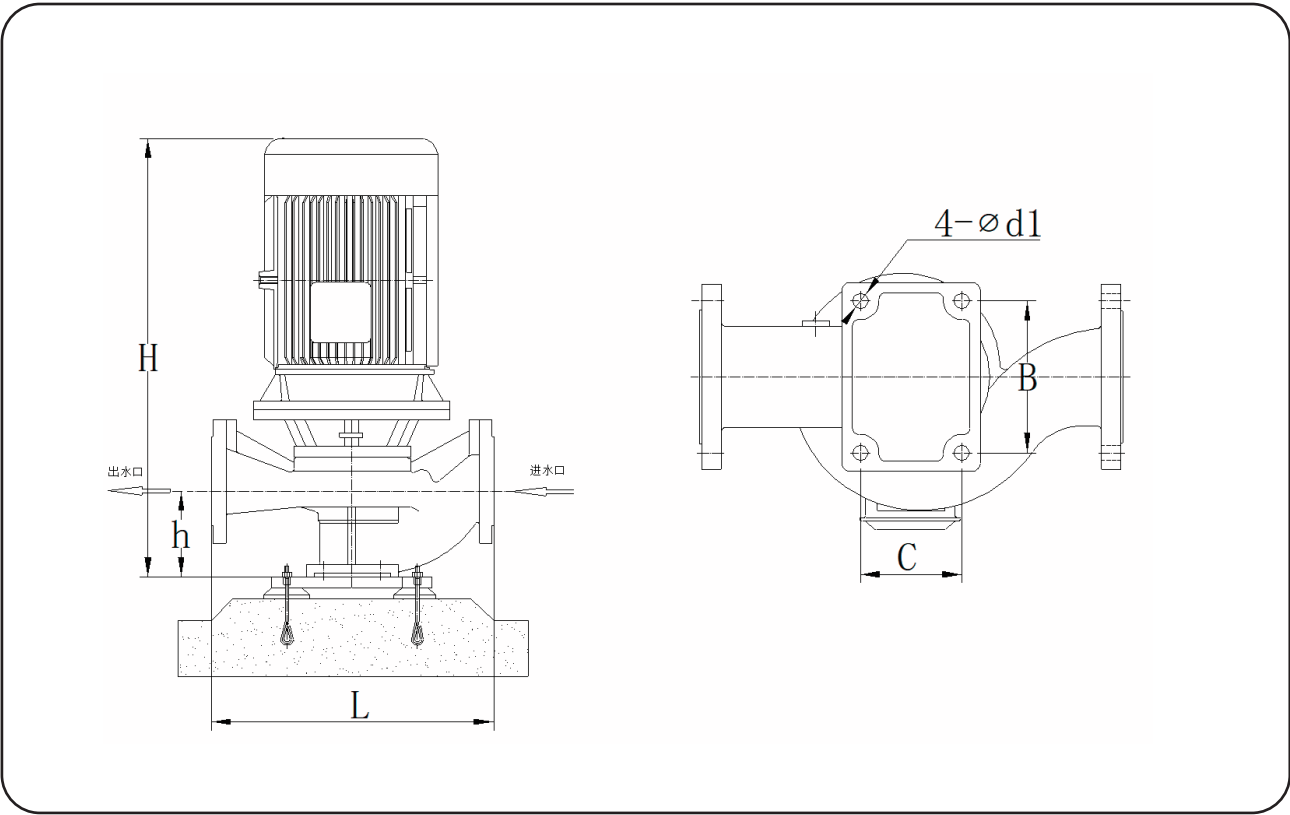
### Conditions of Usage

- 1 Medium temperature: 0°C ~+110°C ;
- 2 Maximum ambient temperature: +40°C ; maximum relative humidity: 95%;
- 3 Maximum altitude: 1000m;
- 4 Maximum pressure of the pump system: 1.6MPa;
- 5 Power frequency: AC 50Hz; voltage: three-phase AC 380V; protection class: IP55; thermal level: F.

### Model Description



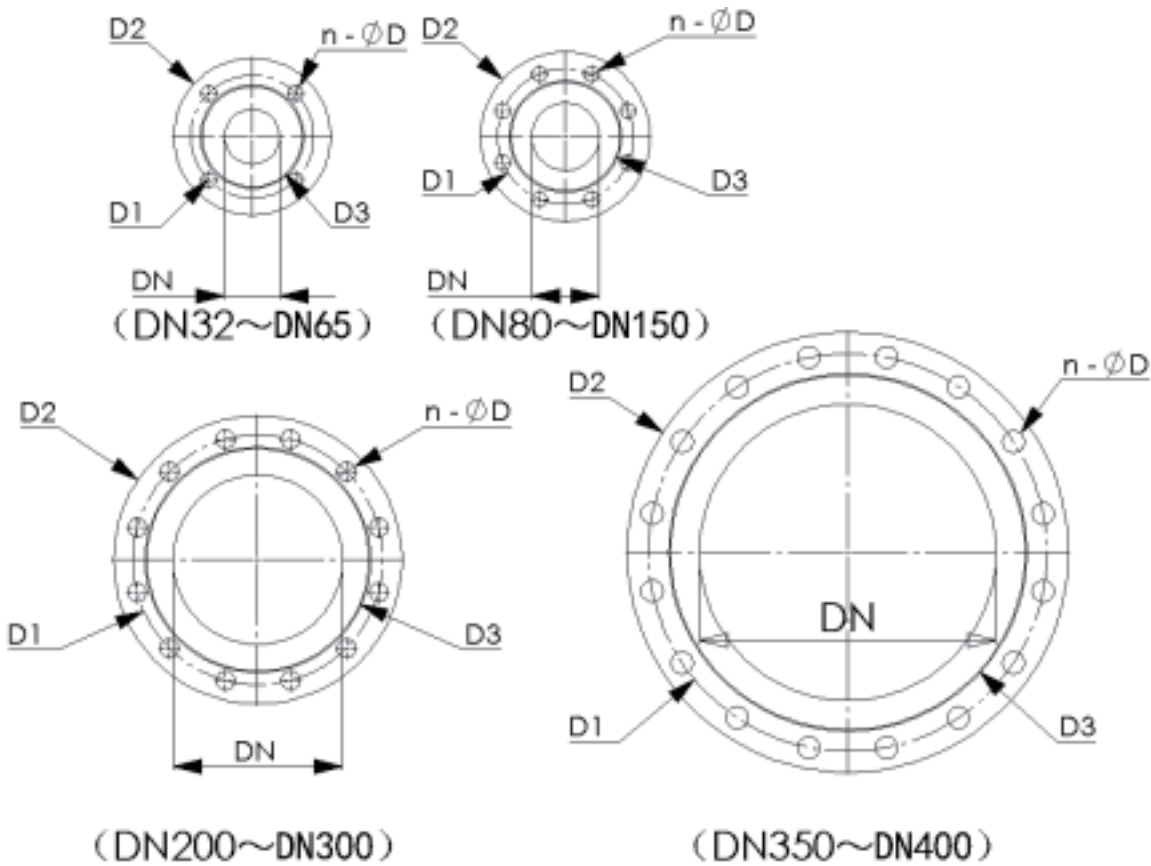
### Installation and Size





Flange of Pipeline Pump Size

| DN  | D1  | D2  | D3  | n-Ød   |
|-----|-----|-----|-----|--------|
| 25  | 85  | 115 | 72  | 4-Ø16  |
| 32  | 100 | 140 | 78  | 4-Ø18  |
| 40  | 110 | 150 | 88  | 4-Ø18  |
| 50  | 125 | 165 | 102 | 4-Ø18  |
| 65  | 145 | 185 | 122 | 4-Ø18  |
| 80  | 160 | 200 | 132 | 8-Ø18  |
| 100 | 180 | 220 | 156 | 8-Ø18  |
| 125 | 210 | 250 | 184 | 8-Ø18  |
| 150 | 240 | 285 | 212 | 8-Ø22  |
| 200 | 295 | 340 | 266 | 12-Ø22 |
| 250 | 355 | 405 | 319 | 12-Ø26 |
| 300 | 410 | 460 | 370 | 12-Ø26 |
| 350 | 470 | 520 | 438 | 16-Ø26 |



Parameters of ultrahigh efficiency(IE3)  
three-phase motor

| Rated power<br>(kW) | Rated current (A) |        | Rated speed<br>(r/min) | Power factor | Efficiency<br>(%) | Connection |
|---------------------|-------------------|--------|------------------------|--------------|-------------------|------------|
|                     | 380V              | 415V   |                        |              |                   |            |
| 0.75                | 1.72              | 1.58   | 2880                   | 0.82         | 80.7              | Y          |
| 1.1                 | 2.43              | 2.23   | 2880                   | 0.83         | 82.7              | Y          |
| 1.5                 | 3.22              | 2.95   | 2895                   | 0.84         | 84.2              | Y          |
| 2.2                 | 5.41              | 4.95   | 2895                   | 0.85         | 85.9              | Y          |
| 3                   | 7.02              | 6.43   | 2895                   | 0.87         | 87.1              | Y          |
| 4                   | 8.82              | 8.08   | 2905                   | 0.88         | 88.1              | △          |
| 5.5                 | 10.65             | 9.75   | 2930                   | 0.88         | 89.2              | △          |
| 7.5                 | 14.37             | 13.16  | 2930                   | 0.88         | 90.1              | △          |
| 11                  | 20.59             | 18.85  | 2945                   | 0.89         | 91.2              | △          |
| 15                  | 27.86             | 25.51  | 2945                   | 0.89         | 91.9              | △          |
| 18.5                | 34.18             | 31.3   | 2940                   | 0.89         | 92.4              | △          |
| 22                  | 40.51             | 37.10  | 2955                   | 0.89         | 92.7              | △          |
| 30                  | 54.89             | 50.26  | 2960                   | 0.89         | 93.3              | △          |
| 37                  | 67.41             | 61.72  | 2960                   | 0.89         | 93.7              | △          |
| 45                  | 80.82             | 74.00  | 2965                   | 0.9          | 94                | △          |
| 55                  | 98.46             | 90.16  | 2970                   | 0.9          | 94.3              | △          |
| 75                  | 133.7             | 122.42 | 2975                   | 0.9          | 94.7              | △          |
| 90                  | 159.93            | 146.44 | 2975                   | 0.9          | 95                | △          |
| 110                 | 195.06            | 178.61 | 2980                   | 0.9          | 95.2              | △          |
| 132                 | 233.58            | 213.88 | 2980                   | 0.9          | 95.4              | △          |
| 3                   | 6.34              | 5.81   | 1450                   | 0.82         | 87.7              | Y          |
| 4                   | 8.37              | 7.66   | 1450                   | 0.82         | 88.6              | △          |
| 5.5                 | 11.24             | 10.29  | 1460                   | 0.83         | 89.6              | △          |
| 7.5                 | 15.01             | 13.74  | 1460                   | 0.84         | 90.4              | △          |
| 11                  | 21.51             | 19.70  | 1465                   | 0.85         | 91.4              | △          |
| 15                  | 28.77             | 26.35  | 1465                   | 0.86         | 92.1              | △          |
| 18.5                | 35.3              | 32.32  | 1470                   | 0.86         | 92.6              | △          |
| 22                  | 41.79             | 38.27  | 1470                   | 0.86         | 93                | △          |
| 30                  | 56.62             | 51.85  | 1475                   | 0.86         | 93.6              | △          |
| 37                  | 69.61             | 63.74  | 1485                   | 0.86         | 93.9              | △          |
| 45                  | 84.4              | 77.28  | 1485                   | 0.86         | 94.2              | △          |
| 55                  | 102.71            | 94.05  | 1485                   | 0.86         | 94.6              | △          |
| 75                  | 136.3             | 124.81 | 1485                   | 0.88         | 95                | △          |
| 90                  | 163.22            | 149.46 | 1485                   | 0.88         | 95.2              | △          |
| 110                 | 196.84            | 180.24 | 1490                   | 0.89         | 95.4              | △          |
| 132                 | 235.71            | 215.83 | 1490                   | 0.89         | 95.6              | △          |
| 160                 | 285.12            | 261.07 | 1490                   | 0.89         | 95.8              | △          |
| 200                 | 355.65            | 325.66 | 1490                   | 0.89         | 96                | △          |
| 250                 | 439.62            | 402.54 | 1490                   | 0.9          | 96                | △          |



General Parameter Table

| Model          | Flow                | Head Range              | Motor Power | Efficiency | Required NPSH | Speed   | Vertical Pump Size |     |     |     |    |       |
|----------------|---------------------|-------------------------|-------------|------------|---------------|---------|--------------------|-----|-----|-----|----|-------|
|                | (m³/h)              | (m)                     | (kW)        | (%)        | (m)           | (r/min) | H                  | L   | h   | B   | C  | n-d1  |
| SGL25-125G     | 2.8<br>4<br>4.8     | 20.78<br>20.21<br>19.93 | 0.75        | 31.5       | 2.5           | 2900    | 432                | 260 | 75  | 80  | 50 | 4-Ø14 |
| SGL25-160G     | 2.8<br>4<br>4.8     | 33<br>32<br>31.5        | 1.5         | 31.5       | 2.5           | 2900    | 465                | 318 | 72  | 100 | 60 | 4-Ø14 |
| SGL25-160AG    | 2.59<br>3.7<br>4.45 | 29<br>28<br>27          | 1.1         | 31         | 2.5           | 2900    | 451                | 318 | 72  | 100 | 60 | 4-Ø14 |
| SGL32-125G     | 3.5<br>5<br>6       | 21.2<br>20.92<br>20.56  | 0.75        | 33         | 2.5           | 2900    | 438                | 260 | 79  | 100 | 60 | 4-Ø14 |
| SGL32-160G     | 3.15<br>4.5<br>5.4  | 31.3<br>30.9<br>30.1    | 1.5         | 34.7       | 2.5           | 2900    | 463                | 320 | 85  | 120 | 70 | 4-Ø14 |
| SGL32-160AG    | 3.15<br>4.5<br>5.4  | 25.5<br>25<br>24        | 1.1         | 34         | 2.5           | 2900    | 449                | 320 | 85  | 120 | 70 | 4-Ø14 |
| SGL32-200G     | 3.15<br>4.5<br>5.4  | 53<br>50<br>49          | 3           | 26         | 2.5           | 2900    | 539                | 340 | 85  | 130 | 80 | 4-Ø18 |
| SGL32-200AG    | 2.8<br>4<br>4.8     | 44.8<br>40<br>39        | 2.2         | 25.6       | 2.5           | 2900    | 489                | 340 | 85  | 130 | 80 | 4-Ø18 |
| SGL40-100G     | 4.4<br>6.3<br>7.6   | 13.8<br>12.5<br>11.9    | 0.75        | 50.5       | 2.5           | 2900    | 463                | 255 | 85  | 120 | 70 | 4-Ø14 |
| SGL40-125G     | 4.4<br>6.3<br>7.6   | 20.7<br>20<br>18.8      | 1.1         | 47.5       | 2.5           | 2900    | 472                | 290 | 85  | 120 | 70 | 4-Ø14 |
| SGL40-125AG    | 3.9<br>5.6<br>6.7   | 16.4<br>16<br>15.7      | 0.75        | 46         | 2.5           | 2900    | 472                | 290 | 85  | 120 | 70 | 4-Ø14 |
| SGL40-160G     | 4.4<br>6.3<br>7.6   | 32.3<br>32<br>30.9      | 1.5         | 40.5       | 2.5           | 2900    | 498                | 320 | 85  | 120 | 70 | 4-Ø14 |
| SGL40-160AG    | 4.1<br>5.9<br>7.1   | 28.4<br>28<br>27.7      | 1.5         | 39         | 2.5           | 2900    | 498                | 320 | 85  | 120 | 70 | 4-Ø14 |
| SGL40-160BG    | 3.9<br>5.5<br>6.6   | 24.3<br>24<br>23.7      | 1.1         | 38         | 2.5           | 2900    | 465                | 320 | 85  | 120 | 70 | 4-Ø14 |
| SGL40-200G     | 4.4<br>6.3<br>7.6   | 50.3<br>50<br>49.7      | 3           | 33         | 2.5           | 2900    | 577                | 360 | 95  | 130 | 80 | 4-Ø14 |
| SGL40-200AG    | 4.1<br>5.9<br>7.1   | 44.4<br>44<br>43.4      | 2.2         | 31         | 2.5           | 2900    | 518                | 360 | 95  | 130 | 80 | 4-Ø14 |
| SGL40-200BG    | 3.7<br>5.3<br>6.4   | 36.3<br>36<br>35.7      | 2.2         | 29         | 2.5           | 2900    | 518                | 360 | 95  | 130 | 80 | 4-Ø14 |
| SGL40-250G     | 4.41<br>6.3<br>7.56 | 81<br>80<br>75          | 7.5         | 26.5       | 2.5           | 2900    | 618                | 410 | 100 | 130 | 80 | 4-Ø18 |
| SGL40-250AG    | 4.13<br>5.9<br>7.08 | 71<br>70<br>68.1        | 5.5         | 24.5       | 2.5           | 2900    | 618                | 410 | 100 | 130 | 80 | 4-Ø18 |
| SGL40-250BG    | 3.85<br>5.5<br>6.6  | 61<br>60<br>54.3        | 4           | 23.5       | 2.5           | 2900    | 568                | 410 | 100 | 130 | 80 | 4-Ø18 |
| SGL40-100(I)G  | 8.75<br>12.5<br>15  | 14.8<br>12.5<br>11.5    | 1.1         | 63.3       | 2.5           | 2900    | 461                | 300 | 100 | 120 | 70 | 4-Ø14 |
| SGL40-100(I)AG | 7.7<br>11<br>13.2   | 12.7<br>10<br>9.2       | 0.75        | 61         | 2.5           | 2900    | 461                | 300 | 100 | 120 | 70 | 4-Ø14 |

| Model       | Flow                | Head Range           | Motor Power | Efficiency | Required NPSH | Speed   | Horizontal Pump Size |     |    |     |     |     |     |     |    |       |
|-------------|---------------------|----------------------|-------------|------------|---------------|---------|----------------------|-----|----|-----|-----|-----|-----|-----|----|-------|
|             | (m³/h)              | (m)                  | (kW)        | (%)        | (m)           | (r/min) | H                    | h   | a  | L   | B2  | B1  | L2  | L1  | A  | n-d1  |
| /           | /                   | /                    | /           | /          | /             | /       | /                    | /   | /  | /   | /   | /   | /   | /   | /  | /     |
| /           | /                   | /                    | /           | /          | /             | /       | /                    | /   | /  | /   | /   | /   | /   | /   | /  | /     |
| /           | /                   | /                    | /           | /          | /             | /       | /                    | /   | /  | /   | /   | /   | /   | /   | /  | /     |
| /           | /                   | /                    | /           | /          | /             | /       | /                    | /   | /  | /   | /   | /   | /   | /   | /  | /     |
| SGW32-160G  | 3.15<br>4.5<br>5.4  | 31.3<br>30.9<br>30.1 | 1.5         | 34.7       | 2.5           | 2900    | 295                  | 140 | 85 | 493 | 346 | 300 | 474 | 300 | 60 | 4-Ø16 |
| /           | /                   | /                    | /           | /          | /             | /       | /                    | /   | /  | /   | /   | /   | /   | /   | /  | /     |
| /           | /                   | /                    | /           | /          | /             | /       | /                    | /   | /  | /   | /   | /   | /   | /   | /  | /     |
| /           | /                   | /                    | /           | /          | /             | /       | /                    | /   | /  | /   | /   | /   | /   | /   | /  | /     |
| SGW40-100G  | 4.4<br>6.3<br>7.6   | 13.8<br>12.5<br>11.9 | 0.75        | 50.5       | 2.5           | 2900    | 295                  | 165 | 70 | 437 | 280 | 245 | 340 | 220 | 55 | 4-Ø14 |
| SGW40-125G  | 4.4<br>6.3<br>7.6   | 20.7<br>20<br>18.8   | 1.1         | 47.5       | 2.5           | 2900    | 305                  | 165 | 70 | 437 | 280 | 245 | 340 | 220 | 55 | 4-Ø14 |
| SGW40-125AG | 3.9<br>5.6<br>6.7   | 16.4<br>16<br>15.7   | 0.75        | 46         | 2.5           | 2900    | 305                  | 165 | 70 | 437 | 280 | 245 | 340 | 220 | 55 | 4-Ø14 |
| SGW40-160G  | 4.4<br>6.3<br>7.6   | 32.3<br>32<br>30.9   | 1.5         | 40.5       | 2.5           | 2900    | 350                  | 190 | 70 | 452 | 300 | 265 | 350 | 230 | 60 | 4-Ø14 |
| SGW40-160AG | 4.1<br>5.9<br>7.1   | 28.4<br>28<br>27.7   | 1.5         | 39         | 2.5           | 2900    | 350                  | 190 | 70 | 452 | 300 | 265 | 350 | 230 | 60 | 4-Ø14 |
| SGW40-160BG | 3.9<br>5.5<br>6.6   | 24.3<br>24<br>23.7   | 1.1         | 38         | 2.5           | 2900    | 350                  | 190 | 70 | 437 | 300 | 265 | 350 | 230 | 60 | 4-Ø14 |
| SGW40-200G  | 4.4<br>6.3<br>7.6   | 50.3<br>50<br>49.7   | 3           | 33         | 2.5           | 2900    | 380                  | 210 | 70 | 505 | 330 | 295 | 420 | 300 | 60 | 4-Ø14 |
| SGW40-200AG | 4.1<br>5.9<br>7.1   | 44.4<br>44<br>43.4   | 2.2         | 31         | 2.5           | 2900    | 380                  | 210 | 70 | 475 | 330 | 295 | 370 | 250 | 60 | 4-Ø14 |
| SGW40-200BG | 3.7<br>5.3<br>6.4   | 36.3<br>36<br>35.7   | 2.2         | 29         | 2.5           | 2900    | 380                  | 210 | 70 | 475 | 330 | 295 | 370 | 250 | 60 | 4-Ø14 |
| SGW40-250G  | 4.41<br>6.3<br>7.56 | 81<br>80<br>75       | 7.5         | 26.5       | 2.5           | 2900    | 385                  | 180 | 80 | 598 | 416 | 376 | 535 | 388 | 75 | 4-Ø16 |
| SGW40-250AG | 4.13<br>5.9<br>7.08 | 71<br>70<br>68.1     | 5.5         | 24.5       | 2.5           | 2900    | 385                  | 180 | 80 | 598 | 416 | 376 | 535 | 388 | 75 | 4-Ø16 |
| SGW40-250BG | 3.85<br>5.5<br>6.6  | 61<br>60<br>54.3     | 4           | 23.5       | 2.5           | 2900    | 385                  | 180 | 80 | 548 | 360 | 320 | 460 | 240 | 78 | 4-Ø18 |
| /           | /                   | /                    | /           | /          | /             | /       | /                    | /   | /  | /   | /   | /   | /   | /   | /  | /     |
| /           | /                   | /                    | /           | /          | /             | /       | /                    | /   | /  | /   | /   | /   | /   | /   | /  | /     |



General Parameter Table

| Model          | Flow                  | Head Range           | Motor Power | Efficiency | Required NPSH | Speed   | Vertical Pump Size |     |     |     |     |       |
|----------------|-----------------------|----------------------|-------------|------------|---------------|---------|--------------------|-----|-----|-----|-----|-------|
|                | (m³/h)                | (m)                  | (kW)        | (%)        | (m)           | (r/min) | H                  | L   | h   | B   | C   | n-Ø14 |
| SGL40-125(I)G  | 8.75<br>12.5<br>15    | 21.1<br>20<br>18.4   | 1.5         | 58.5       | 2.5           | 2900    | 472                | 300 | 100 | 120 | 70  | 4-Ø14 |
| SGL40-125(I)AG | 7.7<br>11<br>13.2     | 16.7<br>16<br>15     | 1.1         | 57         | 2.5           | 2900    | 458                | 300 | 100 | 120 | 70  | 4-Ø14 |
| SGL40-160(I)G  | 8.75<br>12.5<br>15    | 32.7<br>32<br>31.1   | 3           | 52.5       | 2.5           | 2900    | 553                | 330 | 100 | 130 | 80  | 4-Ø18 |
| SGL40-160(I)AG | 8.19<br>11.7<br>14.04 | 29.9<br>28<br>27.6   | 2.2         | 51         | 2.5           | 2900    | 503                | 330 | 100 | 130 | 80  | 4-Ø18 |
| SGL40-160(I)BG | 7.28<br>10.4<br>12.48 | 22.7<br>22<br>19     | 1.5         | 50         | 2.5           | 2900    | 478                | 330 | 100 | 130 | 80  | 4-Ø18 |
| SGL40-200(I)G  | 8.75<br>12.5<br>15    | 51<br>50<br>43.1     | 5.5         | 46.5       | 2.5           | 2900    | 624                | 355 | 100 | 130 | 80  | 4-Ø18 |
| SGL40-200(I)AG | 8.19<br>11.7<br>14.04 | 46.7<br>44<br>36.6   | 4           | 45         | 2.5           | 2900    | 562                | 355 | 100 | 130 | 80  | 4-Ø18 |
| SGL40-200(I)BG | 7.42<br>10.6<br>12.72 | 36.7<br>36<br>33.1   | 3           | 44         | 2.5           | 2900    | 549                | 355 | 100 | 130 | 80  | 4-Ø18 |
| SGL40-250(I)G  | 8.75<br>12.5<br>15    | 81.8<br>80<br>74.7   | 11          | 40         | 2.5           | 2900    | 705                | 440 | 110 | 160 | 100 | 4-Ø18 |
| SGL40-250(I)AG | 8.12<br>11.6<br>13.92 | 67.2<br>65<br>64     | 7.5         | 38         | 2.5           | 2900    | 588                | 440 | 110 | 160 | 100 | 4-Ø18 |
| SGL40-250(I)BG | 7<br>10<br>12         | 53.6<br>52<br>49.9   | 5.5         | 37         | 2.5           | 2900    | 588                | 440 | 110 | 160 | 100 | 4-Ø18 |
| SGL50-100G     | 8.8<br>12.5<br>15     | 13.6<br>12.5<br>10.4 | 1.1         | 63.3       | 2.5           | 2900    | 471                | 285 | 90  | 120 | 70  | 4-Ø14 |
| SGL50-100AG    | 7.7<br>11<br>13.2     | 11.8<br>10<br>9.8    | 0.75        | 61         | 2.5           | 2900    | 471                | 285 | 90  | 120 | 70  | 4-Ø14 |
| SGL50-125G     | 8.8<br>12.5<br>15     | 21.3<br>20<br>18.3   | 1.5         | 58.5       | 2.5           | 2900    | 520                | 300 | 95  | 120 | 70  | 4-Ø14 |
| SGL50-125AG    | 7.7<br>11<br>13.2     | 17.2<br>16<br>15.1   | 1.1         | 57         | 2.5           | 2900    | 487                | 300 | 95  | 120 | 70  | 4-Ø14 |
| SGL50-160G     | 8.8<br>12.5<br>15     | 33.3<br>32<br>30.4   | 2.2         | 52.5       | 2.5           | 2900    | 515                | 340 | 100 | 130 | 80  | 4-Ø14 |
| SGL50-160AG    | 8.2<br>11.7<br>14     | 29.1<br>28<br>27     | 2.2         | 51         | 2.5           | 2900    | 515                | 340 | 100 | 130 | 80  | 4-Ø14 |
| SGL50-160BG    | 7.3<br>10.4<br>12.5   | 22.7<br>22<br>21.5   | 1.5         | 50         | 2.5           | 2900    | 515                | 340 | 100 | 130 | 80  | 4-Ø14 |
| SGL50-200G     | 8.8<br>12.5<br>15     | 51.1<br>50<br>48.2   | 4           | 46.5       | 2.5           | 2900    | 571                | 380 | 100 | 130 | 80  | 4-Ø14 |
| SGL50-200AG    | 8.2<br>11.7<br>14     | 45.4<br>44<br>42.8   | 3           | 45         | 2.5           | 2900    | 578                | 380 | 100 | 130 | 80  | 4-Ø14 |
| SGL50-200BG    | 7.4<br>10.6<br>12.7   | 37.2<br>36<br>34.8   | 2.2         | 44         | 2.5           | 2900    | 534                | 380 | 100 | 130 | 80  | 4-Ø14 |
| SGL50-250G     | 8.75<br>12.5<br>15    | 83.8<br>80<br>78.6   | 11          | 40         | 2.5           | 2900    | 755                | 440 | 110 | 160 | 100 | 4-Ø18 |

| Model          | Flow                  | Head Range           | Motor Power | Efficiency | Required NPSH | Speed   | Horizontal Pump Size |     |     |       |     |     |     |     |      |       |
|----------------|-----------------------|----------------------|-------------|------------|---------------|---------|----------------------|-----|-----|-------|-----|-----|-----|-----|------|-------|
|                | (m³/h)                | (m)                  | (kW)        | (%)        | (m)           | (r/min) | H                    | h   | a   | L     | B2  | B1  | L2  | L1  | A    | n-Ø16 |
| SGW40-125(I)G  | 8.75<br>12.5<br>15    | 21.1<br>20<br>18.4   | 1.5         | 58.5       | 2.5           | 2900    | 250                  | 100 | 80  | 452   | 334 | 300 | 440 | 248 | 72   | 4-Ø16 |
| /              | /                     | /                    | /           | /          | /             | /       | /                    | /   | /   | /     | /   | /   | /   | /   | /    | /     |
| SGW40-160(I)G  | 8.75<br>12.5<br>15    | 32.7<br>32<br>31.1   | 3           | 52.5       | 2.5           | 2900    | 315                  | 150 | 80  | 532   | 354 | 316 | 484 | 280 | 73   | 4-Ø16 |
| SGW40-160(I)AG | 8.19<br>11.7<br>14.04 | 29.9<br>28<br>27.6   | 2.2         | 51         | 2.5           | 2900    | 315                  | 150 | 80  | 532   | 354 | 316 | 455 | 280 | 73   | 4-Ø16 |
| SGW40-160(I)BG | 7.28<br>10.4<br>12.48 | 22.7<br>22<br>19     | 1.5         | 50         | 2.5           | 2900    | 315                  | 150 | 80  | 457   | 354 | 316 | 455 | 280 | 73   | 4-Ø16 |
| SGW40-200(I)G  | 8.75<br>12.5<br>15    | 51<br>50<br>43.1     | 5.5         | 46.5       | 2.5           | 2900    | 330                  | 150 | 85  | 609   | 380 | 340 | 535 | 340 | 74   | 4-Ø16 |
| SGW40-200(I)AG | 8.19<br>11.7<br>14.04 | 46.7<br>44<br>36.6   | 4           | 45         | 2.5           | 2900    | 330                  | 150 | 85  | 547   | 377 | 339 | 488 | 298 | 74   | 4-Ø16 |
| SGW40-200(I)BG | 7.42<br>10.6<br>12.72 | 36.7<br>36<br>33.1   | 3           | 44         | 2.5           | 2900    | 330                  | 150 | 85  | 534   | 386 | 350 | 500 | 300 | 78.5 | 4-Ø16 |
| SGW40-250(I)G  | 8.75<br>12.5<br>15    | 81.8<br>80<br>74.7   | 11          | 40         | 2.5           | 2900    | 400                  | 180 | 100 | 745   | 474 | 430 | 640 | 430 | 88.5 | 4-Ø18 |
| SGW40-250(I)AG | 8.12<br>11.6<br>13.92 | 67.2<br>65<br>64     | 7.5         | 38         | 2.5           | 2900    | 400                  | 180 | 100 | 628   | 416 | 376 | 535 | 338 | 75   | 4-Ø16 |
| SGW40-250(I)BG | 7<br>10<br>12         | 53.6<br>52<br>49.9   | 5.5         | 37         | 2.5           | 2900    | 400                  | 180 | 100 | 628   | 416 | 376 | 535 | 338 | 75   | 4-Ø16 |
| SGW50-100G     | 8.8<br>12.5<br>15     | 13.6<br>12.5<br>10.4 | 1.1         | 63.3       | 2.5           | 2900    | 305                  | 165 | 80  | 444.5 | 280 | 245 | 340 | 220 | 55   | 4-Ø14 |
| SGW50-100AG    | 7.7<br>11<br>13.2     | 11.8<br>10<br>9.8    | 0.75        | 61         | 2.5           | 2900    | 305                  | 165 | 80  | 444.5 | 280 | 245 | 340 | 220 | 55   | 4-Ø14 |
| SGW50-125G     | 8.8<br>12.5<br>15     | 21.3<br>20<br>18.3   | 1.5         | 58.5       | 2.5           | 2900    | 325                  | 180 | 80  | 459.5 | 300 | 265 | 380 | 260 | 60   | 4-Ø14 |
| SGW50-125AG    | 7.7<br>11<br>13.2     | 17.2<br>16<br>15.1   | 1.1         | 57         | 2.5           | 2900    | 325                  | 180 | 80  | 444.5 | 300 | 265 | 350 | 230 | 60   | 4-Ø14 |
| SGW50-160G     | 8.8<br>12.5<br>15     | 33.3<br>32<br>30.4   | 2.2         | 52.5       | 2.5           | 2900    | 340                  | 180 | 80  | 479.5 | 320 | 285 | 370 | 250 | 60   | 4-Ø14 |
| SGW50-160AG    | 8.2<br>11.7<br>14     | 29.1<br>28<br>27     | 2.2         | 51         | 2.5           | 2900    | 340                  | 180 | 80  | 479.5 | 320 | 285 | 370 | 250 | 60   | 4-Ø14 |
| SGW50-160BG    | 7.3<br>10.4<br>12.5   | 22.7<br>22<br>21.5   | 1.5         | 50         | 2.5           | 2900    | 340                  | 180 | 80  | 459.5 | 320 | 285 | 370 | 250 | 60   | 4-Ø14 |
| SGW50-200G     | 8.8<br>12.5<br>15     | 51.1<br>50<br>48.2   | 4           | 46.5       | 2.5           | 2900    | 390                  | 210 | 80  | 537.5 | 330 | 295 | 430 | 310 | 60   | 4-Ø14 |
| SGW50-200AG    | 8.2<br>11.7<br>14     | 45.4<br>44<br>42.8   | 3           | 45         | 2.5           | 2900    | 390                  | 210 | 80  | 512.5 | 330 | 295 | 420 | 300 | 60   | 4-Ø14 |
| SGW50-200BG    | 7.4<br>10.6<br>12.7   | 37.2<br>36<br>34.8   | 2.2         | 44         | 2.5           | 2900    | 390                  | 210 | 80  | 482.5 | 330 | 295 | 370 | 250 | 60   | 4-Ø14 |
| SGW50-250G     | 8.75<br>12.5<br>15    | 83.8<br>80<br>78.6   | 11          | 40         | 2.5           | 2900    | 400                  | 180 | 100 | 745   | 474 | 430 | 640 | 430 | 88.5 | 4-Ø18 |



General Parameter Table

| Model          | Flow                   | Head Range            | Motor Power | Efficiency | Required NPSH | Speed   | Vertical Pump Size |     |     |     |     |       |
|----------------|------------------------|-----------------------|-------------|------------|---------------|---------|--------------------|-----|-----|-----|-----|-------|
|                | (m³/h)                 | (m)                   | (kW)        | (%)        | (m)           | (r/min) | H                  | L   | h   | B   | C   | n-ø18 |
| SGL50-250AG    | 7.7<br>11<br>13.2      | 66.2<br>65<br>62      | 7.5         | 38.7       | 2.5           | 2900    | 638                | 440 | 110 | 160 | 100 | 4-ø18 |
| SGL50-250BG    | 7<br>10<br>12          | 54.6<br>52<br>51.2    | 5.5         | 37         | 2.5           | 2900    | 638                | 440 | 110 | 160 | 100 | 4-ø18 |
| SGL50-100(I)G  | 17.5<br>25<br>30       | 13.2<br>12.5<br>11.2  | 1.5         | 71         | 2.5           | 2900    | 470                | 315 | 92  | 160 | 100 | 4-ø18 |
| SGL50-100(I)AG | 15.61<br>22.3<br>26.76 | 10.9<br>10<br>9.5     | 1.1         | 69         | 2.5           | 2900    | 457                | 315 | 92  | 160 | 100 | 4-ø18 |
| SGL50-125(I)G  | 17.5<br>25<br>30       | 21.6<br>20<br>16.6    | 3           | 73         | 2.5           | 2900    | 558                | 335 | 100 | 160 | 100 | 4-ø18 |
| SGL50-125(I)AG | 15.61<br>22.3<br>26.76 | 20.5<br>16<br>15      | 2.2         | 71         | 2.5           | 2900    | 508                | 335 | 100 | 160 | 100 | 4-ø18 |
| SGL50-160(I)G  | 17.5<br>25<br>30       | 33.3<br>32<br>29.5    | 4           | 63.5       | 2.5           | 2900    | 570                | 360 | 105 | 160 | 100 | 4-ø18 |
| SGL50-160(I)AG | 15.12<br>21.6<br>25.92 | 26.7<br>24<br>22.9    | 3           | 62         | 2.5           | 2900    | 557                | 360 | 105 | 160 | 100 | 4-ø18 |
| SGL50-200(I)G  | 17.5<br>25<br>30       | 52.4<br>50<br>49.1    | 7.5         | 58.5       | 2.5           | 2900    | 629                | 396 | 105 | 160 | 100 | 4-ø18 |
| SGL50-200(I)AG | 15.26<br>21.8<br>26.16 | 43.8<br>38<br>37      | 5.5         | 57         | 2.5           | 2900    | 629                | 396 | 105 | 160 | 100 | 4-ø18 |
| SGL50-250(I)G  | 17.5<br>25<br>30       | 81.5<br>80<br>79.5    | 15          | 52.5       | 2.5           | 2900    | 766                | 438 | 120 | 180 | 120 | 4-ø18 |
| SGL50-250(I)AG | 15.26<br>21.8<br>26.16 | 74.5<br>70<br>69.3    | 11          | 51         | 2.5           | 2900    | 766                | 438 | 120 | 180 | 120 | 4-ø18 |
| SGL50-315(I)G  | 17.5<br>25<br>30       | 141<br>125<br>121     | 30          | 43.5       | 2.5           | 2900    | 949                | 550 | 135 | 240 | 150 | 4-ø18 |
| SGL50-315(I)AG | 16.59<br>23.7<br>28.44 | 113.6<br>113<br>109.6 | 22          | 41.5       | 2.5           | 2900    | 857                | 550 | 135 | 240 | 150 | 4-ø18 |
| SGL50-315(I)BG | 15.75<br>22.5<br>27    | 102.9<br>101<br>97    | 18.5        | 40         | 2.5           | 2900    | 828                | 550 | 135 | 240 | 150 | 4-ø18 |
| SGL50-315(I)CG | 14.42<br>20.6<br>24.72 | 90.7<br>85<br>83.6    | 15          | 38         | 2.5           | 2900    | 784                | 550 | 135 | 240 | 150 | 4-ø18 |
| SGL65-100G     | 17.5<br>25<br>30       | 14.2<br>12.5<br>10.6  | 1.5         | 71         | 2.5           | 2900    | 531                | 320 | 105 | 160 | 100 | 4-ø18 |
| SGL65-100AG    | 15.6<br>22.3<br>27     | 10.6<br>10<br>9.4     | 1.1         | 69         | 2.5           | 2900    | 498                | 320 | 105 | 160 | 100 | 4-ø18 |
| SGL65-125G     | 17.5<br>25<br>30       | 22.1<br>20<br>17.6    | 2.2         | 73         | 2.5           | 2900    | 536                | 340 | 100 | 160 | 100 | 4-ø18 |
| SGL65-125AG    | 15.6<br>22.3<br>27     | 17.7<br>16<br>14.9    | 2.2         | 71         | 2.5           | 2900    | 536                | 340 | 100 | 160 | 100 | 4-ø18 |
| SGL65-160G     | 17.5<br>25<br>30       | 34<br>32<br>30.1      | 4           | 63.5       | 2.5           | 2900    | 577                | 380 | 100 | 160 | 100 | 4-ø18 |
| SGL65-160AG    | 16.4<br>23.4<br>28     | 29.6<br>28<br>26.3    | 3           | 62         | 2.5           | 2900    | 584                | 380 | 100 | 160 | 100 | 4-ø18 |

| Model          | Flow                   | Head Range            | Motor Power | Efficiency | Required NPSH | Speed   | Horizontal Pump Size |     |      |       |     |     |     |     |      |       |
|----------------|------------------------|-----------------------|-------------|------------|---------------|---------|----------------------|-----|------|-------|-----|-----|-----|-----|------|-------|
|                | (m³/h)                 | (m)                   | (kW)        | (%)        | (m)           | (r/min) | H                    | h   | a    | L     | B2  | B1  | L2  | L1  | A    | n-d1  |
| SGW50-250AG    | 7.7<br>11<br>13.2      | 66.2<br>65<br>62      | 7.5         | 38.7       | 2.5           | 2900    | 400                  | 180 | 100  | 628   | 416 | 376 | 535 | 338 | 75   | 4-Ø16 |
| SGW50-250BG    | 7<br>10<br>12          | 54.6<br>52<br>51.2    | 5.5         | 37         | 2.5           | 2900    | 400                  | 180 | 100  | 628   | 416 | 376 | 535 | 338 | 75   | 4-Ø16 |
| SGW50-100(I)G  | 17.5<br>25<br>30       | 13.2<br>12.5<br>11.2  | 1.5         | 71         | 2.5           | 2900    | 257.5                | 100 | 87.5 | 452   | 334 | 300 | 440 | 248 | 72   | 4-Ø16 |
| SGW50-100(I)AG | 15.61<br>22.3<br>26.76 | 10.9<br>10<br>9.5     | 1.1         | 69         | 2.5           | 2900    | 257.5                | 100 | 87.5 | 430   | 294 | 260 | 440 | 210 | 69   | 4-Ø16 |
| SGW50-125(I)G  | 17.5<br>25<br>30       | 21.6<br>20<br>16.6    | 3           | 73         | 2.5           | 2900    | 285                  | 115 | 80   | 540   | 346 | 300 | 474 | 300 | 70   | 4-Ø16 |
| SGW50-125(I)AG | 15.61<br>22.3<br>26.76 | 20.5<br>16<br>15      | 2.2         | 71         | 2.5           | 2900    | 285                  | 115 | 80   | 489   | 346 | 300 | 474 | 300 | 60   | 4-Ø16 |
| SGW50-160(I)G  | 17.5<br>25<br>30       | 33.3<br>32<br>29.5    | 4           | 63.5       | 2.5           | 2900    | 328                  | 150 | 90   | 557   | 390 | 350 | 500 | 300 | 78.5 | 4-Ø16 |
| SGW50-160(I)AG | 15.12<br>21.6<br>25.92 | 26.7<br>24<br>22.9    | 3           | 62         | 2.5           | 2900    | 328                  | 150 | 90   | 543   | 390 | 350 | 500 | 300 | 78.5 | 4-Ø16 |
| SGW50-200(I)G  | 17.5<br>25<br>30       | 52.4<br>50<br>49.1    | 7.5         | 58.5       | 2.5           | 2900    | 348                  | 150 | 95   | 620   | 380 | 340 | 535 | 340 | 74   | 4-Ø16 |
| SGW50-200(I)AG | 15.26<br>21.8<br>26.16 | 43.8<br>38<br>37      | 5.5         | 57         | 2.5           | 2900    | 348                  | 150 | 95   | 620   | 380 | 340 | 535 | 340 | 74   | 4-Ø16 |
| SGW50-250(I)G  | 17.5<br>25<br>30       | 81.5<br>80<br>79.5    | 15          | 52.5       | 2.5           | 2900    | 400                  | 180 | 110  | 756   | 474 | 430 | 640 | 430 | 88.5 | 4-Ø16 |
| SGW50-250(I)AG | 15.26<br>21.8<br>26.16 | 74.5<br>70<br>69.3    | 11          | 51         | 2.5           | 2900    | 400                  | 180 | 110  | 756   | 474 | 430 | 640 | 430 | 88.5 | 4-Ø16 |
| SGW50-315(I)G  | 17.5<br>25<br>30       | 141<br>125<br>121     | 30          | 43.5       | 2.5           | 2900    | 480                  | 205 | 130  | 944   | 430 | 390 | 700 | 500 | 120  | 4-Ø20 |
| SGW50-315(I)AG | 16.59<br>23.7<br>28.44 | 113.6<br>113<br>109.6 | 22          | 41.5       | 2.5           | 2900    | 480                  | 205 | 130  | 852   | 390 | 350 | 630 | 430 | 120  | 4-Ø20 |
| SGW50-315(I)BG | 15.75<br>22.5<br>27    | 102.9<br>101<br>97    | 18.5        | 40         | 2.5           | 2900    | 480                  | 205 | 130  | 823   | 380 | 340 | 620 | 420 | 95   | 4-Ø20 |
| SGW50-315(I)CG | 14.42<br>20.6<br>24.72 | 90.7<br>85<br>83.6    | 15          | 38         | 2.5           | 2900    | 480                  | 205 | 130  | 779   | 380 | 340 | 580 | 380 | 95   | 4-Ø18 |
| SGW65-100G     | 17.5<br>25<br>30       | 14.2<br>12.5<br>10.6  | 1.5         | 71         | 2.5           | 2900    | 340                  | 180 | 80   | 475.5 | 300 | 265 | 380 | 260 | 60   | 4-Ø14 |
| SGW65-100AG    | 15.6<br>22.3<br>27     | 10.6<br>10<br>9.4     | 1.1         | 69         | 2.5           | 2900    | 340                  | 180 | 80   | 460.5 | 300 | 265 | 350 | 230 | 60   | 4-Ø14 |
| SGW65-125G     | 17.5<br>25<br>30       | 22.1<br>20<br>17.6    | 2.2         | 73         | 2.5           | 2900    | 350                  | 180 | 80   | 495.5 | 300 | 265 | 380 | 260 | 60   | 4-Ø14 |
| SGW65-125AG    | 15.6<br>22.3<br>27     | 17.7<br>16<br>14.9    | 2.2         | 71         | 2.5           | 2900    | 350                  | 180 | 80   | 495.5 | 300 | 265 | 380 | 260 | 60   | 4-Ø14 |
| SGW65-160G     | 17.5<br>25<br>30       | 34<br>32<br>30.1      | 4           | 63.5       | 2.5           | 2900    | 360                  | 210 | 80   | 547.5 | 330 | 295 | 430 | 310 | 60   | 4-Ø14 |
| SGW65-160AG    | 16.4<br>23.4<br>28     | 29.6<br>28<br>26.3    | 3           | 62         | 2.5           | 2900    | 360                  | 210 | 80   | 522.5 | 330 | 295 | 420 | 300 | 60   | 4-Ø14 |

General Parameter Table

| Model          | Flow                   | Head Range            | Motor Power | Efficiency | Required NPSH | Speed   | Vertical Pump Size |     |     |     |     |       |
|----------------|------------------------|-----------------------|-------------|------------|---------------|---------|--------------------|-----|-----|-----|-----|-------|
|                | (m³/h)                 | (m)                   | (kW)        | (%)        | (m)           | (r/min) | H                  | L   | h   | B   | C   | n-d1  |
| SGL65-160BG    | 15.1<br>21.6<br>26     | 25.2<br>24<br>22.7    | 2.2         | 61         | 2.5           | 2900    | 540                | 380 | 100 | 160 | 100 | 4-Ø18 |
| SGL65-200G     | 17.5<br>25<br>30       | 52.6<br>50<br>47.6    | 7.5         | 58.5       | 2.5           | 2900    | 679                | 400 | 105 | 160 | 100 | 4-Ø18 |
| SGL65-200AG    | 16.4<br>23.5<br>28     | 46.2<br>44<br>41.8    | 5.5         | 57         | 2.5           | 2900    | 679                | 400 | 105 | 160 | 100 | 4-Ø18 |
| SGL65-200BG    | 15.3<br>21.8<br>26     | 39.7<br>38<br>36.2    | 4           | 55         | 2.5           | 2900    | 582                | 400 | 105 | 160 | 100 | 4-Ø18 |
| SGL65-250G     | 17.5<br>25<br>30       | 81<br>80<br>74.1      | 15          | 52.5       | 2.5           | 2900    | 766                | 438 | 120 | 180 | 120 | 4-Ø18 |
| SGL65-250AG    | 16.38<br>23.4<br>28.08 | 71.1<br>70<br>62.8    | 11          | 51         | 2.5           | 2900    | 766                | 438 | 120 | 180 | 120 | 4-Ø18 |
| SGL65-315G     | 17.5<br>25<br>30       | 139.5<br>125<br>121.9 | 30          | 43.5       | 2.5           | 2900    | 949                | 550 | 135 | 240 | 150 | 4-Ø18 |
| SGL65-315AG    | 16.59<br>23.7<br>28.44 | 115.7<br>113<br>107.3 | 22          | 41.5       | 2.5           | 2900    | 857                | 550 | 135 | 240 | 150 | 4-Ø18 |
| SGL65-315BG    | 15.75<br>22.5<br>27    | 102.1<br>101<br>100.2 | 18.5        | 40         | 2.5           | 2900    | 828                | 550 | 135 | 240 | 150 | 4-Ø18 |
| SGL65-315CG    | 14.42<br>20.6<br>24.72 | 90.7<br>85<br>83      | 15          | 38         | 2.5           | 2900    | 784                | 550 | 135 | 240 | 150 | 4-Ø18 |
| SGL65-100(I)G  | 32<br>50<br>60         | 12.8<br>12.5<br>10.2  | 3           | 75         | 3             | 2900    | 586                | 400 | 125 | 160 | 100 | 4-Ø18 |
| SGL65-100(I)AG | 31.29<br>44.7<br>53.64 | 11.1<br>10<br>9.6     | 2.2         | 73         | 3             | 2900    | 549                | 400 | 125 | 160 | 100 | 4-Ø18 |
| SGL65-125(I)G  | 32<br>50<br>60         | 23.9<br>20<br>18.6    | 5.5         | 73.5       | 3             | 2900    | 653                | 400 | 130 | 160 | 100 | 4-Ø18 |
| SGL65-125(I)AG | 31.5<br>45<br>54       | 21.1<br>16<br>14      | 4           | 72         | 3             | 2900    | 605                | 400 | 130 | 160 | 100 | 4-Ø18 |
| SGL65-160(I)G  | 32<br>50<br>60         | 33.6<br>32<br>29.1    | 7.5         | 73         | 3             | 2900    | 646                | 400 | 130 | 160 | 100 | 4-Ø18 |
| SGL65-160(I)AG | 30.38<br>43.4<br>52.08 | 26.9<br>24<br>23.3    | 5.5         | 71         | 3             | 2900    | 646                | 400 | 130 | 160 | 100 | 4-Ø18 |
| SGL65-200(I)G  | 32<br>50<br>60         | 52.7<br>50<br>45.3    | 15          | 67.5       | 3             | 2900    | 764                | 430 | 130 | 160 | 100 | 4-Ø18 |
| SGL65-200(I)AG | 32.9<br>47<br>58.8     | 45.3<br>44<br>40.3    | 11          | 66         | 3             | 2900    | 764                | 430 | 130 | 160 | 100 | 4-Ø18 |
| SGL65-200(I)BG | 30.31<br>43.3<br>51.96 | 39.5<br>38<br>34.2    | 7.5         | 64         | 3             | 2900    | 648                | 430 | 130 | 160 | 100 | 4-Ø18 |
| SGL65-250(I)G  | 32<br>50<br>60         | 89.5<br>80<br>78.5    | 22          | 63         | 3             | 2900    | 843                | 480 | 130 | 180 | 120 | 4-Ø18 |
| SGL65-250(I)AG | 32.69<br>46.7<br>56.04 | 75.8<br>70<br>69.2    | 18.5        | 61         | 3             | 2900    | 814                | 480 | 130 | 180 | 120 | 4-Ø18 |
| SGL65-250(I)BG | 30.31<br>43.3<br>51.96 | 67.3<br>60<br>58.7    | 15          | 60         | 3             | 2900    | 770                | 480 | 130 | 180 | 120 | 4-Ø18 |

| Model          | Flow                   | Head Range            | Motor Power | Efficiency | Required NPSH | Speed     | Horizontal Pump Size |     |     |       |     |     |     |     |      |       |
|----------------|------------------------|-----------------------|-------------|------------|---------------|-----------|----------------------|-----|-----|-------|-----|-----|-----|-----|------|-------|
|                | (m³/h)                 | ( m )                 | ( kW )      | ( % )      | ( m )         | ( r/min ) | H                    | h   | a   | L     | B2  | B1  | L2  | L1  | A    | n-d1  |
| SGW65-160BG    | 15.1<br>21.6<br>26     | 25.2<br>24<br>22.7    | 2.2         | 61         | 2.5           | 2900      | 360                  | 210 | 80  | 492.5 | 330 | 295 | 370 | 250 | 60   | 4-Ø14 |
| SGW65-200G     | 17.5<br>25<br>30       | 52.6<br>50<br>47.6    | 7.5         | 58.5       | 2.5           | 2900      | 400                  | 210 | 100 | 605   | 350 | 315 | 450 | 330 | 60   | 4-Ø14 |
| SGW65-200AG    | 16.4<br>23.5<br>28     | 46.2<br>44<br>41.8    | 5.5         | 57         | 2.5           | 2900      | 400                  | 210 | 100 | 600   | 350 | 315 | 450 | 330 | 60   | 4-Ø14 |
| SGW65-200BG    | 15.3<br>21.8<br>26     | 39.7<br>38<br>36.2    | 4           | 55         | 2.5           | 2900      | 400                  | 210 | 100 | 555   | 340 | 305 | 420 | 300 | 60   | 4-Ø14 |
| SGW65-250G     | 17.5<br>25<br>30       | 81<br>80<br>74.1      | 15          | 52.5       | 2.5           | 2900      | 400                  | 180 | 110 | 756   | 474 | 430 | 640 | 430 | 88.5 | 4-Ø18 |
| SGW65-250AG    | 16.38<br>23.4<br>28.08 | 71.1<br>70<br>62.8    | 11          | 51         | 2.5           | 2900      | 400                  | 180 | 110 | 756   | 474 | 430 | 640 | 430 | 88.5 | 4-Ø18 |
| SGW65-315G     | 17.5<br>25<br>30       | 139.5<br>125<br>121.9 | 30          | 43.5       | 2.5           | 2900      | 480                  | 205 | 130 | 944   | 430 | 390 | 700 | 500 | 120  | 4-Ø20 |
| SGW65-315AG    | 16.59<br>23.7<br>28.44 | 115.7<br>113<br>107.3 | 22          | 41.5       | 2.5           | 2900      | 480                  | 205 | 130 | 852   | 390 | 350 | 630 | 430 | 120  | 4-Ø20 |
| SGW65-315BG    | 15.75<br>22.5<br>27    | 102.1<br>101<br>100.2 | 18.5        | 40         | 2.5           | 2900      | 480                  | 205 | 130 | 823   | 380 | 340 | 620 | 420 | 95   | 4-Ø20 |
| SGW65-315CG    | 14.42<br>20.6<br>24.72 | 90.7<br>85<br>83      | 15          | 38         | 2.5           | 2900      | 480                  | 205 | 120 | 779   | 380 | 340 | 580 | 380 | 95   | 4-Ø20 |
| SGW65-100(I)G  | 32<br>50<br>60         | 12.8<br>12.5<br>10.2  | 3           | 75         | 3             | 2900      | 352                  | 150 | 102 | 561   | 352 | 316 | 480 | 279 | 75   | 4-Ø16 |
| SGW65-100(I)AG | 31.29<br>44.7<br>53.64 | 11.1<br>10<br>9.6     | 2.2         | 73         | 3             | 2900      | 352                  | 150 | 102 | 511   | 352 | 316 | 450 | 280 | 72.5 | 4-Ø16 |
| SGW65-125(I)G  | 32<br>50<br>60         | 23.9<br>20<br>18.6    | 5.5         | 73.5       | 3             | 2900      | 350                  | 150 | 100 | 624   | 380 | 340 | 535 | 340 | 74   | 4-Ø16 |
| SGW65-125(I)AG | 31.5<br>45<br>54       | 21.1<br>16<br>14      | 4           | 72         | 3             | 2900      | 350                  | 150 | 100 | 576   | 377 | 339 | 488 | 298 | 74   | 4-Ø16 |
| SGW65-160(I)G  | 32<br>50<br>60         | 33.6<br>32<br>29.1    | 7.5         | 73         | 3             | 2900      | 350                  | 150 | 100 | 625   | 380 | 340 | 535 | 340 | 74   | 4-Ø16 |
| SGW65-160(I)AG | 30.38<br>43.4<br>52.08 | 26.9<br>24<br>23.3    | 5.5         | 71         | 3             | 2900      | 350                  | 150 | 100 | 625   | 380 | 340 | 535 | 340 | 74   | 4-Ø16 |
| SGW65-200(I)G  | 32<br>50<br>60         | 52.7<br>50<br>45.3    | 15          | 67.5       | 3             | 2900      | 398                  | 180 | 120 | 755   | 474 | 430 | 640 | 430 | 88.5 | 4-Ø18 |
| SGW65-200(I)AG | 32.9<br>47<br>58.8     | 45.3<br>44<br>40.3    | 11          | 66         | 3             | 2900      | 395                  | 180 | 120 | 755   | 474 | 430 | 640 | 430 | 88.5 | 4-Ø18 |
| SGW65-200(I)BG | 30.31<br>43.3<br>51.96 | 39.5<br>38<br>34.2    | 7.5         | 64         | 3             | 2900      | 395                  | 180 | 120 | 638   | 416 | 376 | 535 | 338 | 75   | 4-Ø16 |
| SGW65-250(I)G  | 32<br>50<br>60         | 89.5<br>80<br>78.5    | 22          | 63         | 3             | 2900      | 420                  | 180 | 130 | 844   | 520 | 460 | 728 | 405 | 88.5 | 4-Ø18 |
| SGW65-250(I)AG | 32.69<br>46.7<br>56.04 | 75.8<br>70<br>69.2    | 18.5        | 61         | 3             | 2900      | 420                  | 180 | 130 | 844   | 494 | 440 | 690 | 425 | 91.5 | 4-Ø18 |
| SGW65-250(I)BG | 30.31<br>43.3<br>51.96 | 67.3<br>60<br>58.7    | 15          | 60         | 3             | 2900      | 420                  | 180 | 130 | 815   | 474 | 430 | 640 | 430 | 88.5 | 4-Ø18 |



General Parameter Table

| Model          | Flow                   | Head Range            | Motor Power | Efficiency | Required NPSH | Speed   | Vertical Pump Size |     |     |     |     |       |
|----------------|------------------------|-----------------------|-------------|------------|---------------|---------|--------------------|-----|-----|-----|-----|-------|
|                | (m³/h)                 | (m)                   | (kW)        | (%)        | (m)           | (r/min) | H                  | L   | h   | B   | C   | n-d1  |
| SGL65-315(I)G  | 32<br>50<br>60         | 126.7<br>125<br>115.4 | 37          | 55         | 2.5           | 2900    | 963                | 580 | 140 | 240 | 150 | 4-Ø18 |
| SGL65-315(I)AG | 32.55<br>46.5<br>55.8  | 111.7<br>110<br>104.2 | 30          | 53         | 2.5           | 2900    | 963                | 580 | 140 | 240 | 150 | 4-Ø18 |
| SGL65-315(I)BG | 28.7<br>41<br>49.2     | 89<br>85<br>83.6      | 22          | 51         | 3             | 2900    | 871                | 580 | 140 | 240 | 150 | 4-Ø18 |
| SGL80-100G     | 35<br>50<br>60         | 14.9<br>12.5<br>10.4  | 2.2         | 75         | 3             | 2900    | 558                | 400 | 130 | 160 | 100 | 4-Ø18 |
| SGL80-100AG    | 31<br>44.7<br>54       | 11.8<br>10<br>8.4     | 2.2         | 73         | 3             | 2900    | 558                | 400 | 130 | 160 | 100 | 4-Ø18 |
| SGL80-125G     | 35<br>50<br>60         | 23<br>20<br>17.4      | 4           | 73.5       | 3             | 2900    | 611                | 400 | 120 | 160 | 100 | 4-Ø18 |
| SGL80-125AG    | 32<br>45<br>54         | 18.5<br>16<br>13.8    | 3           | 72         | 3             | 2900    | 618                | 400 | 120 | 160 | 100 | 4-Ø18 |
| SGL80-160G     | 35<br>50<br>60         | 34.6<br>32<br>29.5    | 7.5         | 73         | 3             | 2900    | 710                | 400 | 125 | 160 | 100 | 4-Ø18 |
| SGL80-160AG    | 33<br>46.7<br>56       | 30.6<br>28<br>25.4    | 5.5         | 71         | 3             | 2900    | 710                | 400 | 125 | 160 | 100 | 4-Ø18 |
| SGL80-160BG    | 30<br>43.3<br>52       | 26.7<br>24<br>22.2    | 4           | 70         | 3             | 2900    | 613                | 400 | 125 | 160 | 100 | 4-Ø18 |
| SGL80-200G     | 35<br>50<br>60         | 53.3<br>50<br>47.2    | 15          | 67.5       | 3             | 2900    | 807.5              | 430 | 130 | 160 | 100 | 4-Ø18 |
| SGL80-200AG    | 33<br>47<br>56         | 46.8<br>44<br>41.2    | 11          | 66         | 3             | 2900    | 807.5              | 430 | 130 | 160 | 100 | 4-Ø18 |
| SGL80-200BG    | 30<br>43.3<br>52       | 40.4<br>38<br>33.8    | 7.5         | 64         | 3             | 2900    | 663.5              | 430 | 130 | 160 | 100 | 4-Ø18 |
| SGL100-125G    | 70<br>100<br>120       | 24.2<br>20<br>16.6    | 7.5         | 77         | 4.5           | 2900    | 676                | 440 | 140 | 180 | 120 | 4-Ø18 |
| SGL80-250G     | 35<br>50<br>60         | 82.3<br>80<br>77.6    | 22          | 63         | 3             | 2900    | 845                | 480 | 130 | 180 | 120 | 4-Ø18 |
| SGL80-250AG    | 32.69<br>46.7<br>56.04 | 71.8<br>70<br>64.9    | 18.5        | 61         | 3             | 2900    | 816                | 480 | 130 | 180 | 120 | 4-Ø18 |
| SGL80-250BG    | 30.31<br>43.3<br>51.96 | 68.4<br>60<br>58.8    | 15          | 60         | 3             | 2900    | 772                | 480 | 130 | 180 | 120 | 4-Ø18 |
| SGL80-315G     | 35<br>50<br>60         | 126.7<br>125<br>113.9 | 37          | 55         | 3             | 2900    | 962                | 580 | 145 | 240 | 150 | 4-Ø18 |
| SGL80-315AG    | 32.55<br>46.5<br>55.8  | 104.8<br>110<br>101.1 | 30          | 53         | 3             | 2900    | 962                | 580 | 145 | 240 | 150 | 4-Ø18 |
| SGL80-315BG    | 31.15<br>44.5<br>53.4  | 101.6<br>100<br>97.8  | 30          | 51         | 3             | 2900    | 962                | 580 | 145 | 240 | 150 | 4-Ø18 |
| SGL80-315CG    | 28.7<br>41<br>49.2     | 86.9<br>85<br>82.6    | 22          | 49         | 3             | 2900    | 962                | 580 | 145 | 240 | 150 | 4-Ø18 |
| SGL80-100(I)G  | 70<br>100<br>120       | 15.9<br>12.5<br>8     | 5.5         | 76         | 4.5           | 2900    | 667                | 450 | 135 | 180 | 120 | 8-Ø18 |

| Model          | Flow                   | Head Range            | Motor Power | Efficiency | Required NPSH | Speed   | Horizontal Pump Size |     |     |     |     |     |     |     |      |       |
|----------------|------------------------|-----------------------|-------------|------------|---------------|---------|----------------------|-----|-----|-----|-----|-----|-----|-----|------|-------|
|                | (m³/h)                 | (m)                   | (kW)        | (%)        | (m)           | (r/min) | H                    | h   | a   | L   | B2  | B1  | L2  | L1  | A    | n-d1  |
| SGW65-315(I)G  | 32<br>50<br>60         | 126.7<br>125<br>115.4 | 37          | 55         | 2.5           | 2900    | 520                  | 225 | 135 | 949 | 430 | 390 | 700 | 500 | 120  | 4-Ø20 |
| SGW65-315(I)AG | 32.55<br>46.5<br>55.8  | 111.7<br>110<br>104.2 | 30          | 53         | 2.5           | 2900    | 520                  | 225 | 135 | 949 | 430 | 390 | 700 | 500 | 120  | 4-Ø20 |
| SGW65-315(I)BG | 28.7<br>41<br>49.2     | 89<br>85<br>83.6      | 22          | 51         | 3             | 2900    | 520                  | 225 | 135 | 857 | 390 | 350 | 630 | 430 | 120  | 4-Ø20 |
| SGW80-100G     | 35<br>50<br>60         | 14.9<br>12.5<br>10.4  | 2.2         | 75         | 3             | 2900    | 370                  | 190 | 100 | 505 | 320 | 285 | 380 | 260 | 60   | 4-Ø14 |
| SGW80-100AG    | 31<br>44.7<br>54       | 11.8<br>10<br>8.4     | 2.2         | 73         | 3             | 2900    | 370                  | 190 | 100 | 505 | 320 | 285 | 380 | 260 | 60   | 4-Ø14 |
| SGW80-125G     | 35<br>50<br>60         | 23<br>20<br>17.4      | 4           | 73.5       | 3             | 2900    | 390                  | 210 | 100 | 563 | 330 | 295 | 430 | 310 | 60   | 4-Ø14 |
| SGW80-125AG    | 32<br>45<br>54         | 18.5<br>16<br>13.8    | 3           | 72         | 3             | 2900    | 390                  | 210 | 100 | 538 | 330 | 295 | 420 | 300 | 60   | 4-Ø14 |
| SGW80-160G     | 35<br>50<br>60         | 34.6<br>32<br>29.5    | 7.5         | 73         | 3             | 2900    | 410                  | 210 | 100 | 615 | 350 | 315 | 450 | 330 | 60   | 4-Ø14 |
| SGW80-160AG    | 33<br>46.7<br>56       | 30.6<br>28<br>25.4    | 5.5         | 71         | 3             | 2900    | 410                  | 210 | 100 | 610 | 350 | 315 | 450 | 330 | 60   | 4-Ø14 |
| SGW80-160BG    | 30<br>43.3<br>52       | 26.7<br>24<br>22.2    | 4           | 70         | 3             | 2900    | 410                  | 210 | 100 | 565 | 330 | 295 | 430 | 310 | 60   | 4-Ø14 |
| SGW80-200G     | 35<br>50<br>60         | 53.3<br>50<br>47.2    | 15          | 67.5       | 3             | 2900    | 485                  | 270 | 105 | 761 | 430 | 390 | 600 | 440 | 90   | 4-Ø14 |
| SGW80-200AG    | 33<br>47<br>56         | 46.8<br>44<br>41.2    | 11          | 66         | 3             | 2900    | 485                  | 270 | 105 | 761 | 430 | 390 | 600 | 440 | 90   | 4-Ø14 |
| SGW80-200BG    | 30<br>43.3<br>52       | 40.4<br>38<br>33.8    | 7.5         | 64         | 3             | 2900    | 470                  | 255 | 105 | 617 | 400 | 360 | 450 | 330 | 75   | 4-Ø14 |
| SGW100-125G    | 70<br>100<br>120       | 24.2<br>20<br>16.6    | 7.5         | 77         | 4.5           | 2900    | 455                  | 235 | 105 | 627 | 400 | 360 | 465 | 350 | 75   | 4-Ø14 |
| SGW80-250G     | 35<br>50<br>60         | 82.3<br>80<br>77.6    | 22          | 63         | 3             | 2900    | 420                  | 180 | 130 | 844 | 520 | 460 | 728 | 405 | 88.5 | 4-Ø18 |
| SGW80-250AG    | 32.69<br>46.7<br>56.04 | 71.8<br>70<br>64.9    | 18.5        | 61         | 3             | 2900    | 420                  | 180 | 130 | 844 | 494 | 440 | 690 | 425 | 91.5 | 4-Ø18 |
| SGW80-250BG    | 30.31<br>43.3<br>51.96 | 68.4<br>60<br>58.8    | 15          | 60         | 3             | 2900    | 420                  | 180 | 130 | 815 | 474 | 430 | 640 | 430 | 88.5 | 4-Ø18 |
| SGW80-315G     | 35<br>50<br>60         | 126.7<br>125<br>113.9 | 37          | 55         | 3             | 2900    | 515                  | 225 | 130 | 945 | 430 | 390 | 710 | 510 | 120  | 4-Ø20 |
| SGW80-315AG    | 32.55<br>46.5<br>55.8  | 104.8<br>110<br>101.1 | 30          | 53         | 3             | 2900    | 515                  | 225 | 130 | 945 | 430 | 390 | 710 | 510 | 120  | 4-Ø20 |
| SGW80-315BG    | 31.15<br>44.5<br>53.4  | 101.6<br>100<br>97.8  | 30          | 51         | 3             | 2900    | 515                  | 225 | 130 | 945 | 430 | 390 | 710 | 510 | 120  | 4-Ø20 |
| SGW80-315CG    | 28.7<br>41<br>49.2     | 86.9<br>85<br>82.6    | 22          | 49         | 3             | 2900    | 515                  | 225 | 130 | 853 | 390 | 350 | 640 | 440 | 120  | 4-Ø20 |
| SGW80-100(I)G  | 70<br>100<br>120       | 15.9<br>12.5<br>8     | 5.5         | 76         | 4.5           | 2900    | 352                  | 150 | 100 | 629 | 380 | 340 | 535 | 340 | 74   | 4-Ø16 |

General Parameter Table

| Model          | Flow                   | Head Range            | Motor Power | Efficiency | Required NPSH | Speed   | Vertical Pump Size |     |     |     |     |       |
|----------------|------------------------|-----------------------|-------------|------------|---------------|---------|--------------------|-----|-----|-----|-----|-------|
|                | (m³/h)                 | (m)                   | (kW)        | (%)        | (m)           | (r/min) | H                  | L   | h   | B   | C   | n-Ø18 |
| SGL80-100(I)AG | 62.3<br>89<br>106.8    | 13.8<br>10<br>8.3     | 4           | 75         | 3             | 2900    | 619                | 450 | 135 | 180 | 120 | 8-Ø18 |
| SGL80-125(I)G  | 70<br>100<br>120       | 25.4<br>20<br>19.2    | 11          | 77         | 4.5           | 2900    | 796                | 435 | 150 | 180 | 120 | 8-Ø18 |
| SGL80-125(I)AG | 62.3<br>89<br>106.8    | 23.7<br>16<br>14      | 7.5         | 75         | 4.5           | 2900    | 679                | 435 | 150 | 180 | 120 | 8-Ø18 |
| SGL80-160(I)G  | 70<br>100<br>120       | 34.6<br>32<br>30      | 15          | 77         | 4.5           | 2900    | 797                | 500 | 150 | 180 | 120 | 8-Ø18 |
| SGL80-160(I)AG | 65.45<br>93.5<br>112.2 | 29.3<br>28<br>23.6    | 11          | 75         | 4.5           | 2900    | 797                | 500 | 150 | 180 | 120 | 8-Ø18 |
| SGL80-200(I)G  | 70<br>100<br>120       | 54.3<br>50<br>47      | 22          | 76.5       | 4             | 2900    | 859                | 500 | 135 | 180 | 120 | 8-Ø18 |
| SGL80-200(I)AG | 65.45<br>93.5<br>112.2 | 46.2<br>44<br>38.8    | 18.5        | 74.5       | 4             | 2900    | 830                | 500 | 135 | 180 | 120 | 8-Ø18 |
| SGL80-200(I)BG | 60.9<br>87<br>104.4    | 44.9<br>38<br>36.1    | 15          | 73         | 4             | 2900    | 786                | 500 | 135 | 180 | 120 | 8-Ø18 |
| SGL80-250(I)G  | 70<br>100<br>120       | 88.2<br>80<br>79.3    | 37          | 71         | 4             | 2900    | 957                | 544 | 140 | 180 | 120 | 8-Ø18 |
| SGL80-250(I)AG | 65.45<br>93.5<br>112.2 | 79.2<br>70<br>67.6    | 30          | 69         | 4             | 2900    | 957                | 544 | 140 | 180 | 120 | 8-Ø18 |
| SGL80-315(I)G  | 70<br>100<br>120       | 145.8<br>125<br>104.6 | 75          | 66.5       | 4             | 2900    | 1135               | 640 | 130 | 220 | 160 | 8-Ø18 |
| SGL80-315(I)AG | 66.5<br>95<br>114      | 118.5<br>113<br>109.9 | 55          | 66         | 4             | 2900    | 1102               | 640 | 130 | 220 | 160 | 8-Ø18 |
| SGL80-315(I)BG | 63<br>90<br>108        | 100<br>96.1<br>87     | 45          | 65         | 4             | 2900    | 995                | 640 | 130 | 220 | 160 | 8-Ø18 |
| SGL80-315(I)CG | 57.4<br>82<br>98.4     | 86.8<br>85<br>79.8    | 37          | 63         | 4             | 2900    | 954                | 640 | 130 | 220 | 160 | 8-Ø18 |
| SGL100-100G    | 70<br>100<br>120       | 16.15<br>12.5<br>8.9  | 5.5         | 76         | 4.5           | 2900    | 678                | 460 | 140 | 180 | 120 | 4-Ø18 |
| SGL100-100AG   | 62.3<br>89<br>106.8    | 12.2<br>10<br>7       | 4           | 75         | 4.5           | 2900    | 627                | 460 | 137 | 177 | 120 | 4-Ø18 |
| SGL100-125AG   | 62<br>89<br>107        | 19<br>16<br>12.9      | 5.5         | 75         | 4.5           | 2900    | 676                | 440 | 140 | 180 | 120 | 4-Ø18 |
| SGL100-160G    | 70<br>100<br>120       | 34<br>32<br>30.6      | 15          | 77         | 4.5           | 2900    | 802                | 500 | 145 | 180 | 120 | 4-Ø18 |
| SGL100-160AG   | 65<br>93.5<br>112      | 29.3<br>28<br>25.7    | 11          | 75         | 4.5           | 2900    | 806                | 480 | 150 | 180 | 120 | 4-Ø18 |
| SGL100-160BG   | 61<br>86.6<br>104      | 26.1<br>24<br>21.9    | 11          | 74         | 4.5           | 2900    | /                  | /   | /   | /   | /   | /     |
| SGL100-200G    | 70<br>100<br>120       | 53.3<br>50<br>47.2    | 22          | 76.5       | 4             | 2900    | 861                | 500 | 135 | 180 | 120 | 4-Ø18 |
| SGL100-200AG   | 65<br>93.5<br>112      | 46<br>44<br>41.1      | 18.5        | 74.5       | 4             | 2900    | 861                | 500 | 135 | 180 | 120 | 4-Ø18 |

| Model          | Flow                   | Head Range            | Motor Power | Efficiency | Required NPSH | Speed     | Horizontal Pump Size |     |     |      |     |     |     |     |      |       |
|----------------|------------------------|-----------------------|-------------|------------|---------------|-----------|----------------------|-----|-----|------|-----|-----|-----|-----|------|-------|
|                | (m³/h)                 | ( m )                 | ( kW )      | ( % )      | ( m )         | ( r/min ) | H                    | h   | a   | L    | B2  | B1  | L2  | L1  | A    | n-d1  |
| SGW80-100(I)AG | 62.3<br>89<br>106.8    | 13.8<br>10<br>8.3     | 4           | 75         | 3             | 2900      | 352                  | 150 | 100 | 581  | 377 | 339 | 488 | 298 | 74   | 4-Ø16 |
| SGW80-125(I)G  | 70<br>100<br>120       | 25.4<br>20<br>19.2    | 11          | 77         | 4.5           | 2900      | 377                  | 160 | 110 | 756  | 474 | 430 | 640 | 430 | 125  | 4-Ø16 |
| SGW80-125(I)AG | 62.3<br>89<br>106.8    | 23.7<br>16<br>14      | 7.5         | 75         | 4.5           | 2900      | 377                  | 160 | 110 | 639  | 380 | 340 | 535 | 340 | 72   | 4-Ø16 |
| SGW80-160(I)G  | 70<br>100<br>120       | 34.6<br>32<br>30      | 15          | 77         | 4.5           | 2900      | 430                  | 180 | 125 | 772  | 474 | 430 | 640 | 430 | 88.5 | 4-Ø16 |
| SGW80-160(I)AG | 65.45<br>93.5<br>112.2 | 29.3<br>28<br>23.6    | 11          | 75         | 4.5           | 2900      | 430                  | 180 | 125 | 772  | 474 | 430 | 640 | 430 | 88.5 | 4-Ø16 |
| SGW80-200(I)G  | 70<br>100<br>120       | 54.3<br>50<br>47      | 22          | 76.5       | 4             | 2900      | 420                  | 180 | 100 | 825  | 520 | 460 | 728 | 405 | 88.5 | 4-Ø18 |
| SGW80-200(I)AG | 65.45<br>93.5<br>112.2 | 46.2<br>44<br>38.8    | 18.5        | 74.5       | 4             | 2900      | 420                  | 180 | 100 | 752  | 493 | 440 | 690 | 425 | 91.5 | 4-Ø18 |
| SGW80-200(I)BG | 60.9<br>87<br>104.4    | 44.9<br>38<br>36.1    | 15          | 73         | 4             | 2900      | 420                  | 180 | 100 | 752  | 493 | 440 | 690 | 425 | 91.5 | 4-Ø18 |
| SGW80-250(I)G  | 70<br>100<br>120       | 88.2<br>80<br>79.3    | 37          | 71         | 4             | 2900      | 472                  | 200 | 125 | 942  | 430 | 390 | 720 | 520 | 120  | 4-Ø20 |
| SGW80-250(I)AG | 65.45<br>93.5<br>112.2 | 79.2<br>70<br>67.6    | 30          | 69         | 4             | 2900      | 472                  | 200 | 125 | 942  | 430 | 390 | 720 | 520 | 120  | 4-Ø20 |
| SGW80-315(I)G  | 70<br>100<br>120       | 145.8<br>125<br>104.6 | 75          | 66.5       | 4             | 2900      | 555                  | 225 | 125 | 1130 | 590 | 550 | 890 | 690 | 195  | 4-Ø20 |
| SGW80-315(I)AG | 66.5<br>95<br>114      | 118.5<br>113<br>109.9 | 55          | 66         | 4             | 2900      | 555                  | 225 | 125 | 1097 | 540 | 500 | 830 | 630 | 165  | 4-Ø20 |
| SGW80-315(I)BG | 63<br>90<br>108        | 100<br>96.1<br>87     | 45          | 65         | 4             | 2900      | 555                  | 225 | 125 | 990  | 470 | 430 | 740 | 540 | 120  | 4-Ø20 |
| SGW80-315(I)CG | 57.4<br>82<br>98.4     | 86.8<br>85<br>79.8    | 37          | 63         | 4             | 2900      | 555                  | 225 | 125 | 949  | 430 | 390 | 730 | 530 | 120  | 4-Ø20 |
| SGW100-100G    | 70<br>100<br>120       | 16.15<br>12.5<br>8.9  | 5.5         | 76         | 4.5           | 2900      | 358                  | 150 | 96  | 635  | 392 | 340 | 535 | 340 | 70   | 4-Ø13 |
| SGW100-100AG   | 62.3<br>89<br>106.8    | 12.2<br>10<br>7       | 4           | 75         | 4.5           | 2900      | 357                  | 148 | 98  | 587  | 392 | 351 | 505 | 299 | 77   | 4-Ø14 |
| SGW100-125AG   | 62<br>89<br>107        | 19<br>16<br>12.9      | 5.5         | 75         | 4.5           | 2900      | 455                  | 235 | 105 | 627  | 400 | 360 | 465 | 350 | 75   | 4-Ø14 |
| SGW100-160G    | 70<br>100<br>120       | 34<br>32<br>30.6      | 15          | 77         | 4.5           | 2900      | 485                  | 235 | 100 | 766  | 430 | 390 | 590 | 450 | 75   | 4-Ø18 |
| SGW100-160AG   | 65<br>93.5<br>112      | 29.3<br>28<br>25.7    | 11          | 75         | 4.5           | 2900      | 485                  | 235 | 100 | 766  | 430 | 390 | 590 | 450 | 75   | 4-Ø18 |
| SGW100-160BG   | 61<br>86.6<br>104      | 26.1<br>24<br>21.9    | 11          | 74         | 4.5           | 2900      | 485                  | 235 | 100 | 766  | 430 | 390 | 590 | 450 | 75   | 4-Ø18 |
| SGW100-200G    | 70<br>100<br>120       | 53.3<br>50<br>47.2    | 22          | 76.5       | 4             | 2900      | 520                  | 270 | 105 | 810  | 430 | 390 | 600 | 440 | 90   | 4-Ø14 |
| SGW100-200AG   | 65<br>93.5<br>112      | 46<br>44<br>41.1      | 18.5        | 74.5       | 4             | 2900      | 520                  | 270 | 105 | 810  | 430 | 390 | 600 | 440 | 90   | 4-Ø14 |



General Parameter Table

| Model           | Flow                   | Head Range            | Motor Power | Efficiency | Required NPSH | Speed   | Vertical Pump Size |     |     |     |     |       |
|-----------------|------------------------|-----------------------|-------------|------------|---------------|---------|--------------------|-----|-----|-----|-----|-------|
|                 | (m³/h)                 | (m)                   | (kW)        | (%)        | (m)           | (r/min) | H                  | L   | h   | B   | C   | n-d1  |
| SGL100-200BG    | 61<br>87<br>104        | 40.5<br>38<br>35.7    | 15          | 73         | 4             | 2900    | 817                | 500 | 135 | 180 | 120 | 4-Ø18 |
| SGL100-250G     | 70<br>100<br>120       | 84.46<br>80<br>75.1   | 37          | 71         | 4             | 2900    | 950                | 550 | 140 | 180 | 120 | 4-Ø18 |
| SGL100-250AG    | 65.45<br>93.5<br>112.2 | 73.3<br>70<br>65.5    | 30          | 69         | 4             | 2900    | 950                | 550 | 140 | 180 | 120 | 4-Ø18 |
| SGL100-315G     | 70<br>100<br>120       | 132<br>125<br>114     | 75          | 66.5       | 4             | 2900    | 1182               | 640 | 155 | 270 | 180 | 4-Ø18 |
| SGL100-315AG    | 66.5<br>95<br>114      | 113.4<br>112<br>103   | 55          | 66         | 4             | 2900    | 1097               | 640 | 155 | 270 | 180 | 4-Ø18 |
| SGL100-315BG    | 63<br>90<br>108        | 103.26<br>101<br>95.8 | 45          | 65         | 4             | 2900    | 1027               | 640 | 155 | 270 | 180 | 4-Ø18 |
| SGL100-315CG    | 57.4<br>82<br>98.4     | 87.8<br>85<br>82.81   | 37          | 63         | 4             | 2900    | 977                | 640 | 155 | 270 | 180 | 4-Ø18 |
| SGL100-100(I)G  | 112<br>160<br>192      | 20.5<br>12.5<br>8.36  | 11          | 81.5       | 4             | 2900    | 820                | 500 | 160 | 180 | 120 | 4-Ø18 |
| SGL100-125(I)G  | 112<br>160<br>192      | 22.6<br>20<br>17      | 15          | 79         | 4             | 2900    | 809                | 478 | 148 | 180 | 120 | 4-Ø16 |
| SGL100-125(I)AG | 98<br>140<br>168       | 209.1<br>17<br>11.64  | 11          | 77         | 4             | 2900    | 818                | 500 | 160 | 180 | 120 | 4-Ø18 |
| SGL100-160(I)G  | 112<br>160<br>192      | 36.61<br>32<br>11.15  | 22          | 78.5       | 4             | 2900    | 919                | 510 | 160 | 180 | 120 | 4-Ø20 |
| SGL100-160(I)AG | 98<br>140<br>168       | 33.32<br>28<br>27.45  | 18.5        | 76         | 4             | 2900    | 860                | 510 | 160 | 180 | 120 | 4-Ø20 |
| SGL100-160(I)BG | 94.5<br>135<br>162     | 27<br>24<br>21        | 15          | 74         | 4             | 2900    | 810                | 510 | 160 | 180 | 120 | 4-Ø20 |
| SGL100-200(I)G  | 112<br>160<br>192      | 53<br>50<br>46        | 37          | 78         | 4             | 2900    | 962                | 540 | 155 | 180 | 120 | 4-Ø18 |
| SGL100-200(I)AG | 98<br>140<br>168       | 46.7<br>45<br>40.8    | 30          | 76         | 4             | 2900    | 962                | 540 | 155 | 180 | 120 | 4-Ø18 |
| SGL100-200(I)BG | 70<br>100<br>120       | 45.09<br>40<br>39.3   | 22          | 75         | 4             | 2900    | 892                | 560 | 150 | 230 | 140 | 4-Ø18 |
| SGL100-250(I)G  | 112<br>160<br>192      | 87.8<br>80<br>73.6    | 55          | 76.5       | 4             | 2900    | 1103               | 600 | 165 | 250 | 200 | 4-Ø18 |
| SGL100-250(I)AG | 98<br>140<br>168       | 80<br>72<br>55        | 45          | 74.5       | 4             | 2900    | 1033               | 600 | 165 | 250 | 200 | 4-Ø18 |
| SGL100-250(I)BG | 70<br>100<br>120       | 72<br>65<br>59.5      | 37          | 73         | 4             | 2900    | 983                | 600 | 165 | 250 | 200 | 4-Ø18 |
| SGL100-315(I)G  | 112<br>160<br>192      | 133<br>125<br>119     | 90          | 73         | 4.5           | 2900    | 1235               | 640 | 160 | 250 | 200 | 4-Ø18 |
| SGL100-315(I)AG | 98<br>140<br>168       | 117<br>110<br>104     | 75          | 71         | 4.5           | 2900    | 1185               | 640 | 160 | 250 | 200 | 4-Ø18 |
| SGL100-315(I)BG | 93.8<br>134<br>160.8   | 96<br>88<br>86        | 55          | 67         | 4.5           | 2900    | 1100               | 640 | 160 | 250 | 200 | 4-Ø18 |

| Model           | Flow                   | Head Range            | Motor Power | Efficiency | Required NPSH | Speed   | Horizontal Pump Size |     |     |      |     |     |     |     |     |       |
|-----------------|------------------------|-----------------------|-------------|------------|---------------|---------|----------------------|-----|-----|------|-----|-----|-----|-----|-----|-------|
|                 | (m³/h)                 | (m)                   | (kW)        | (%)        | (m)           | (r/min) | H                    | h   | a   | L    | B2  | B1  | L2  | L1  | A   | n-d1  |
| SGW100-200BG    | 61<br>87<br>104        | 40.5<br>38<br>35.7    | 15          | 73         | 4             | 2900    | 520                  | 270 | 105 | 766  | 430 | 390 | 600 | 440 | 90  | 4-Ø14 |
| SGW100-250G     | 70<br>100<br>120       | 84.46<br>80<br>75.1   | 37          | 71         | 4             | 2900    | 475                  | 200 | 125 | 935  | 420 | 380 | 715 | 415 | 95  | 4-Ø18 |
| SGW100-250AG    | 65.45<br>93.5<br>112.2 | 73.3<br>70<br>65.5    | 30          | 69         | 4             | 2900    | 475                  | 200 | 125 | 935  | 420 | 380 | 715 | 415 | 95  | 4-Ø18 |
| SGW100-315G     | 70<br>100<br>120       | 132<br>125<br>114     | 75          | 66.5       | 4             | 2900    | 550                  | 225 | 127 | 1155 | 570 | 530 | 875 | 475 | 170 | 4-Ø20 |
| SGW100-315AG    | 66.5<br>95<br>114      | 113.4<br>112<br>103   | 55          | 66         | 4             | 2900    | 550                  | 225 | 127 | 1059 | 540 | 500 | 825 | 425 | 140 | 4-Ø20 |
| SGW100-315BG    | 63<br>90<br>108        | 103.26<br>101<br>95.8 | 45          | 65         | 4             | 2900    | 550                  | 225 | 127 | 989  | 485 | 445 | 765 | 465 | 115 | 4-Ø20 |
| SGW100-315CG    | 57.4<br>82<br>98.4     | 87.8<br>85<br>82.81   | 37          | 63         | 4             | 2900    | 550                  | 225 | 127 | 939  | 420 | 380 | 730 | 430 | 95  | 4-Ø18 |
| SGW100-100(I)G  | 112<br>160<br>192      | 20.5<br>12.5<br>8.36  | 11          | 81.5       | 4             | 2900    | 405                  | 160 | 132 | 790  | 340 | 300 | 580 | 280 | 78  | 4-Ø14 |
| SGW100-125(I)G  | 112<br>160<br>192      | 22.6<br>20<br>17      | 15          | 79         | 4             | 2900    | 420                  | 180 | 122 | 783  | 480 | 430 | 630 | 430 | 84  | 4-Ø18 |
| SGW100-125(I)AG | 98<br>140<br>168       | 209.1<br>17<br>11.64  | 11          | 77         | 4             | 2900    | 420                  | 180 | 122 | 783  | 480 | 430 | 630 | 430 | 84  | 4-Ø18 |
| SGW100-160(I)G  | 112<br>160<br>192      | 36.61<br>32<br>11.15  | 22          | 78.5       | 4             | 2900    | 438                  | 180 | 115 | 854  | 520 | 455 | 670 | 399 | 87  | 4-Ø15 |
| SGW100-160(I)AG | 98<br>140<br>168       | 33.32<br>28<br>27.45  | 18.5        | 76         | 4             | 2900    | 438                  | 180 | 115 | 814  | 490 | 435 | 670 | 420 | 85  | 4-Ø15 |
| SGW100-160(I)BG | 94.5<br>135<br>162     | 27<br>24<br>21        | 15          | 74         | 4             | 2900    | 438                  | 180 | 115 | 769  | 474 | 428 | 620 | 427 | 83  | 4-Ø15 |
| SGW100-200(I)G  | 112<br>160<br>192      | 53<br>50<br>46        | 37          | 78         | 4             | 2900    | 450                  | 180 | 126 | 933  | 420 | 380 | 700 | 400 | 115 | 4-Ø18 |
| SGW100-200(I)AG | 98<br>140<br>168       | 46.7<br>45<br>40.8    | 30          | 76         | 4             | 2900    | 450                  | 180 | 126 | 933  | 420 | 380 | 700 | 400 | 115 | 4-Ø18 |
| SGW100-200(I)BG | 70<br>100<br>120       | 45.09<br>40<br>39.3   | 22          | 75         | 4             | 2900    | 450                  | 180 | 126 | 863  | 380 | 340 | 630 | 330 | 95  | 4-Ø18 |
| SGW100-250(I)G  | 112<br>160<br>192      | 87.8<br>80<br>73.6    | 55          | 76.5       | 4             | 2900    | 500                  | 200 | 132 | 1060 | 540 | 500 | 825 | 425 | 165 | 4-Ø20 |
| SGW100-250(I)AG | 98<br>140<br>168       | 80<br>72<br>55        | 45          | 74.5       | 4             | 2900    | 500                  | 200 | 132 | 990  | 485 | 445 | 760 | 460 | 140 | 4-Ø20 |
| SGW100-250(I)BG | 70<br>100<br>120       | 72<br>65<br>59.5      | 37          | 73         | 4             | 2900    | 500                  | 200 | 132 | 940  | 420 | 380 | 730 | 430 | 95  | 4-Ø18 |
| SGW100-315(I)G  | 112<br>160<br>192      | 133<br>125<br>119     | 90          | 73         | 4.5           | 2900    | 575                  | 250 | 132 | 1207 | 570 | 530 | 930 | 530 | 145 | 4-Ø20 |
| SGW100-315(I)AG | 98<br>140<br>168       | 117<br>110<br>104     | 75          | 71         | 4.5           | 2900    | 575                  | 250 | 132 | 1155 | 570 | 530 | 875 | 475 | 145 | 4-Ø20 |
| SGW100-315(I)BG | 93.8<br>134<br>160.8   | 96<br>88<br>86        | 55          | 67         | 4.5           | 2900    | 575                  | 250 | 132 | 1072 | 570 | 530 | 825 | 425 | 115 | 4-Ø20 |

General Parameter Table

| Model        | Flow                  | Head Range           | Motor Power | Efficiency | Required NPSH | Speed   | Vertical Pump Size |     |     |     |     |       |
|--------------|-----------------------|----------------------|-------------|------------|---------------|---------|--------------------|-----|-----|-----|-----|-------|
|              | (m³/h)                | (m)                  | (kW)        | (%)        | (m)           | (r/min) | H                  | L   | h   | B   | C   | n-d1  |
| SGL125-100G  | 112<br>160<br>192     | 13<br>12.5<br>12     | 11          | 81.5       | 4             | 2900    | 800                | 520 | 145 | 180 | 120 | 4-Ø18 |
| SGL125-100AG | 100.1<br>143<br>171.6 | 16.2<br>10<br>8.4    | 7.5         | 79.5       | 4             | 2900    | 681                | 525 | 135 | 180 | 120 | 4-Ø18 |
| SGL125-125G  | 112<br>160<br>192     | 22.6<br>20<br>17     | 15          | 79         | 4             | 2900    | 800                | 520 | 145 | 180 | 120 | 4-Ø18 |
| SGL125-125AG | 100.1<br>143<br>171.6 | 18.71<br>16<br>8.16  | 11          | 77         | 4             | 2900    | 800                | 520 | 145 | 180 | 120 | 4-Ø18 |
| SGL125-160G  | 112<br>160<br>192     | 36<br>32<br>28       | 22          | 78.5       | 4             | 2900    | 910                | 515 | 165 | 230 | 140 | 4-Ø18 |
| SGL125-160AG | 105<br>150<br>180     | 31.5<br>28<br>22.9   | 18.5        | 76         | 4             | 2900    | 870                | 515 | 165 | 230 | 140 | 4-Ø18 |
| SGL125-160BG | 96.6<br>138<br>165.6  | 27<br>24<br>21       | 15          | 74         | 4             | 2900    | 814                | 550 | 160 | 240 | 150 | 4-Ø18 |
| SGL125-200G  | 112<br>160<br>192     | 55.5<br>50<br>45.3   | 37          | 78         | 4             | 2900    | 987                | 570 | 160 | 250 | 200 | 4-Ø18 |
| SGL125-200AG | 105<br>150<br>180     | 49.8<br>44<br>30.5   | 30          | 76         | 4.5           | 2900    | 987                | 570 | 160 | 250 | 200 | 4-Ø18 |
| SGL125-200BG | 96.6<br>138<br>165.6  | 40.5<br>37.5<br>34   | 22          | 75         | 4.5           | 2900    | 899                | 577 | 152 | 250 | 200 | 4-Ø18 |
| SGL125-250G  | 112<br>160<br>192     | 87.77<br>80<br>73.63 | 55          | 76.5       | 4.5           | 2900    | 1103               | 600 | 165 | 250 | 200 | 4-Ø18 |
| SGL125-250AG | 105<br>150<br>180     | 78.8<br>70<br>51.5   | 45          | 74.5       | 4.5           | 2900    | 1033               | 600 | 165 | 250 | 200 | 4-Ø18 |
| SGL125-250BG | 96.6<br>138<br>165.6  | 65.6<br>60<br>54.8   | 37          | 73         | 4.5           | 2900    | 983                | 600 | 165 | 250 | 200 | 4-Ø18 |
| SGL125-315G  | 112<br>160<br>192     | 133<br>125<br>119    | 90          | 73         | 4.5           | 2900    | 1270               | 680 | 195 | 280 | 230 | 4-Ø18 |
| SGL125-315AG | 105<br>150<br>180     | 117<br>110<br>104.6  | 75          | 71         | 4.5           | 2900    | 1220               | 680 | 195 | 280 | 230 | 4-Ø18 |
| SGL125-315BG | 93.8<br>134<br>160.8  | 96<br>88<br>86       | 55          | 67         | 4.5           | 2900    | 1135               | 680 | 195 | 280 | 230 | 4-Ø18 |
| SGL150-125G  | 112<br>160<br>192     | 22.6<br>20<br>17     | 15          | 79         | 4             | 2900    | 817                | 520 | 158 | 229 | 145 | 4-Ø18 |
| SGL150-125AG | 105<br>150<br>180     | 18<br>16<br>13.5     | 11          | 77         | 4             | 2900    | 820                | 520 | 165 | 230 | 145 | 4-Ø18 |
| SGL150-125BG | 84<br>120<br>144      | 18.15<br>14<br>13.51 | 7.5         | 74.9       | 4             | 2900    | 702                | 520 | 158 | 229 | 145 | 4-Ø18 |
| SGL150-160G  | 112<br>160<br>192     | 35.2<br>32<br>25.35  | 22          | 78.5       | 4             | 2900    | 910                | 520 | 170 | 230 | 140 | 4-Ø18 |
| SGL150-160AG | 105<br>150<br>180     | 32.7<br>28<br>23.5   | 18.5        | 76         | 4             | 2900    | 868                | 520 | 165 | 230 | 140 | 4-Ø18 |
| SGL150-160BG | 98<br>140<br>168      | 26.5<br>24<br>19.5   | 15          | 75         | 4             | 2900    | 824                | 520 | 170 | 240 | 150 | 4-Ø22 |

| Model        | Flow                  | Head Range           | Motor Power | Efficiency | Required NPSH | Speed   | Horizontal Pump Size |     |     |      |     |     |     |     |     |       |
|--------------|-----------------------|----------------------|-------------|------------|---------------|---------|----------------------|-----|-----|------|-----|-----|-----|-----|-----|-------|
|              | (m³/h)                | (m)                  | (kW)        | (%)        | (m)           | (r/min) | H                    | h   | a   | L    | B2  | B1  | L2  | L1  | A   | n-d1  |
| SGW125-100G  | 112<br>160<br>192     | 13<br>12.5<br>12     | 11          | 81.5       | 4             | 2900    | 417                  | 180 | 123 | 781  | 480 | 428 | 620 | 427 | 83  | 4-Ø15 |
| SGW125-100AG | 100.1<br>143<br>171.6 | 16.2<br>10<br>8.4    | 7.5         | 79.5       | 4             | 2900    | 417                  | 180 | 123 | 665  | 422 | 377 | 535 | 336 | 73  | 4-Ø13 |
| SGW125-125G  | 112<br>160<br>192     | 22.6<br>20<br>17     | 15          | 79         | 4             | 2900    | 417                  | 180 | 123 | 781  | 480 | 428 | 620 | 427 | 83  | 4-Ø15 |
| SGW125-125AG | 100.1<br>143<br>171.6 | 18.71<br>16<br>8.16  | 11          | 77         | 4             | 2900    | 417                  | 180 | 123 | 781  | 480 | 428 | 620 | 427 | 83  | 4-Ø15 |
| SGW125-160G  | 112<br>160<br>192     | 36<br>32<br>28       | 22          | 78.5       | 4             | 2900    | 439                  | 180 | 128 | 868  | 520 | 455 | 670 | 400 | 87  | 4-Ø15 |
| SGW125-160AG | 105<br>150<br>180     | 31.5<br>28<br>22.9   | 18.5        | 76         | 4             | 2900    | 439                  | 180 | 128 | 828  | 493 | 434 | 670 | 420 | 86  | 4-Ø15 |
| SGW125-160BG | 96.6<br>138<br>165.6  | 27<br>24<br>21       | 15          | 74         | 4             | 2900    | 439                  | 180 | 128 | 783  | 474 | 428 | 620 | 427 | 83  | 4-Ø15 |
| SGW125-200G  | 112<br>160<br>192     | 55.5<br>50<br>45.3   | 37          | 78         | 4             | 2900    | 480                  | 200 | 126 | 930  | 420 | 380 | 715 | 415 | 95  | 4-Ø18 |
| SGW125-200AG | 105<br>150<br>180     | 49.8<br>44<br>30.5   | 30          | 76         | 4.5           | 2900    | 480                  | 200 | 126 | 930  | 420 | 380 | 715 | 415 | 95  | 4-Ø18 |
| SGW125-200BG | 96.6<br>138<br>165.6  | 40.5<br>37.5<br>34   | 22          | 75         | 4.5           | 2900    | 490                  | 200 | 130 | 876  | 520 | 455 | 670 | 399 | 87  | 4-Ø15 |
| SGW125-250G  | 112<br>160<br>192     | 87.77<br>80<br>73.63 | 55          | 76.5       | 4.5           | 2900    | 500                  | 200 | 140 | 1068 | 540 | 500 | 825 | 425 | 165 | 4-Ø20 |
| SGW125-250AG | 105<br>150<br>180     | 78.8<br>70<br>51.5   | 45          | 74.5       | 4.5           | 2900    | 500                  | 200 | 140 | 998  | 485 | 445 | 760 | 460 | 140 | 4-Ø20 |
| SGW125-250BG | 96.6<br>138<br>165.6  | 65.6<br>60<br>54.8   | 37          | 73         | 4.5           | 2900    | 500                  | 200 | 140 | 958  | 420 | 380 | 730 | 430 | 95  | 4-Ø18 |
| SGW125-315G  | 112<br>160<br>192     | 133<br>125<br>119    | 90          | 73         | 4.5           | 2900    | 575                  | 245 | 130 | 1205 | 570 | 530 | 925 | 525 | 150 | 4-Ø20 |
| SGW125-315AG | 105<br>150<br>180     | 117<br>110<br>104.6  | 75          | 71         | 4.5           | 2900    | 575                  | 245 | 130 | 1155 | 570 | 530 | 875 | 475 | 150 | 4-Ø20 |
| SGW125-315BG | 93.8<br>134<br>160.8  | 96<br>88<br>86       | 55          | 67         | 4.5           | 2900    | 575                  | 245 | 130 | 1060 | 540 | 500 | 825 | 425 | 120 | 4-Ø20 |
| SGW150-125G  | 112<br>160<br>192     | 22.6<br>20<br>17     | 15          | 79         | 4             | 2900    | 439                  | 181 | 128 | 781  | 487 | 428 | 635 | 428 | 88  | 4-Ø16 |
| SGW150-125AG | 105<br>150<br>180     | 18<br>16<br>13.5     | 11          | 77         | 4             | 2900    | 439                  | 181 | 128 | 781  | 487 | 428 | 635 | 428 | 88  | 4-Ø16 |
| SGW150-125BG | 84<br>120<br>144      | 18.15<br>14<br>13.51 | 7.5         | 74.9       | 4             | 2900    | 439                  | 181 | 128 | 666  | 420 | 381 | 530 | 335 | 74  | 4-Ø14 |
| SGW150-160G  | 112<br>160<br>192     | 35.2<br>32<br>25.35  | 22          | 78.5       | 4             | 2900    | 444                  | 180 | 126 | 869  | 520 | 455 | 670 | 399 | 87  | 4-Ø15 |
| SGW150-160AG | 105<br>150<br>180     | 32.7<br>28<br>23.5   | 18.5        | 76         | 4             | 2900    | 444                  | 180 | 126 | 829  | 490 | 435 | 670 | 420 | 85  | 4-Ø15 |
| SGW150-160BG | 98<br>140<br>168      | 26.5<br>24<br>19.5   | 15          | 75         | 4             | 2900    | 454                  | 180 | 130 | 788  | 453 | 402 | 665 | 395 | 78  | 4-Ø16 |



General Parameter Table

| Model           | Flow                  | Head Range            | Motor Power | Efficiency | Required NPSH | Speed   | Vertical Pump Size |     |     |     |     |       |
|-----------------|-----------------------|-----------------------|-------------|------------|---------------|---------|--------------------|-----|-----|-----|-----|-------|
|                 | (m³/h)                | (m)                   | (kW)        | (%)        | (m)           | (r/min) | H                  | L   | h   | B   | C   | n-d1  |
| SGL150-200CG    | 105<br>150<br>180     | 46.5<br>44<br>39.3    | 30          | 77.8       | 4             | 2900    | 1015               | 680 | 190 | 250 | 200 | 4-Ø22 |
| SGL150-200DG    | 96.6<br>138<br>165.6  | 40.29<br>38<br>35.9   | 22          | 77.4       | 4             | 2900    | 945                | 680 | 190 | 250 | 200 | 4-Ø22 |
| SGL150-250G     | 112<br>160<br>192     | 83<br>80<br>77        | 75          | 75.3       | 5             | 2900    | 1220               | 700 | 190 | 250 | 200 | 4-Ø22 |
| SGL150-250AG    | 105<br>150<br>180     | 73<br>70<br>67        | 55          | 75.7       | 5             | 2900    | 1135               | 700 | 190 | 250 | 200 | 4-Ø22 |
| SGL150-250BG    | 96.6<br>138<br>165.6  | 62.5<br>60<br>57.6    | 45          | 76         | 5             | 2900    | 1065               | 700 | 190 | 250 | 200 | 4-Ø22 |
| SGL150-315G     | 140<br>200<br>240     | 134<br>125<br>121     | 110         | 73.1       | 4.5           | 2900    | 1435               | 760 | 200 | 250 | 200 | 4-Ø22 |
| SGL150-315AG    | 130.9<br>187<br>224.4 | 118.1<br>110<br>107   | 90          | 73.7       | 4.5           | 2900    | 1280               | 760 | 200 | 250 | 200 | 4-Ø22 |
| SGL150-315BG    | 121.1<br>173<br>207.6 | 102<br>95<br>92       | 75          | 74.5       | 4.5           | 2900    | 1230               | 760 | 200 | 250 | 200 | 4-Ø22 |
| SGL100-315G     | 35<br>50<br>60        | 33.5<br>32<br>30      | 11          | 62         | 3             | 1450    | 822                | 640 | 155 | 270 | 180 | 4-Ø18 |
| SGL100-250(I)G  | 70<br>100<br>120      | 22.5<br>20<br>17.8    | 11          | 74.3       | 3             | 1450    | 828                | 600 | 165 | 250 | 200 | 4-Ø18 |
| SGL100-315(I)G  | 56<br>80<br>96        | 33.5<br>32<br>30.5    | 15          | 68         | 3             | 1450    | 870                | 640 | 160 | 250 | 200 | 4-Ø18 |
| SGL100-315(I)AG | 49<br>70<br>84        | 28.9<br>27.5<br>26.31 | 11          | 67.4       | 3             | 1450    | 825                | 640 | 160 | 250 | 200 | 4-Ø18 |
| SGL100-400(I)G  | 56<br>80<br>96        | 47<br>44<br>42        | 30          | 63         | 3             | 1450    | 1007               | 720 | 180 | 250 | 200 | 4-Ø18 |
| SGL100-400(I)AG | 52.5<br>75<br>90      | 43<br>40<br>38        | 22          | 63.5       | 3             | 1450    | 977                | 720 | 180 | 250 | 200 | 4-Ø18 |
| SGL100-400(I)BG | 49<br>70<br>84        | 41<br>38<br>36        | 18.5        | 63.3       | 3             | 1450    | 937                | 720 | 180 | 250 | 200 | 4-Ø18 |
| SGL125-250G     | 70<br>100<br>120      | 22.52<br>20<br>17.82  | 11          | 74.3       | 3             | 1450    | 828                | 600 | 165 | 250 | 200 | 4-Ø18 |
| SGL125-315G     | 56<br>80<br>96        | 33.5<br>32<br>30.5    | 15          | 68         | 3             | 1450    | 905                | 680 | 195 | 280 | 230 | 4-Ø18 |
| SGL125-315AG    | 49<br>70<br>84        | 28.87<br>27<br>26.8   | 11          | 67.4       | 3             | 1450    | 860                | 680 | 195 | 280 | 230 | 4-Ø18 |
| SGL125-400G     | 70<br>100<br>120      | 52<br>50<br>48        | 30          | 64.3       | 3             | 1450    | 1007               | 720 | 180 | 250 | 200 | 4-Ø18 |
| SGL125-400AG    | 65.8<br>94<br>112.8   | 47.04<br>44<br>42.89  | 22          | 65.3       | 3             | 1450    | 977                | 720 | 180 | 250 | 200 | 4-Ø18 |
| SGL125-400BG    | 60.9<br>87<br>104.4   | 39.3<br>37.5<br>36.85 | 18.5        | 66.2       | 3             | 1450    | 937                | 720 | 180 | 250 | 200 | 4-Ø18 |
| SGL150-200G     | 105<br>150<br>180     | 11.17<br>12.5<br>8.66 | 11          | 77.8       | 3             | 1450    | 852                | 680 | 190 | 250 | 200 | 4-Ø22 |

| Model           | Flow                  | Head Range            | Motor Power | Efficiency | Required NPSH | Speed   | Horizontal Pump Size |     |     |      |     |     |      |     |     |       |
|-----------------|-----------------------|-----------------------|-------------|------------|---------------|---------|----------------------|-----|-----|------|-----|-----|------|-----|-----|-------|
|                 | (m³/h)                | (m)                   | (kW)        | (%)        | (m)           | (r/min) | H                    | h   | a   | L    | B2  | B1  | L2   | L1  | A   | n-d1  |
| SGW150-200CG    | 105<br>150<br>180     | 46.5<br>44<br>39.3    | 30          | 77.8       | 4             | 2900    | 500                  | 210 | 155 | 975  | 420 | 380 | 730  | 430 | 95  | 4-Ø18 |
| SGW150-200DG    | 96.6<br>138<br>165.6  | 40.29<br>38<br>35.9   | 22          | 77.4       | 4             | 2900    | 500                  | 210 | 155 | 905  | 380 | 340 | 665  | 365 | 95  | 4-Ø18 |
| SGW150-250G     | 112<br>160<br>192     | 83<br>80<br>77        | 75          | 75.3       | 5             | 2900    | 585                  | 250 | 140 | 1170 | 570 | 530 | 875  | 475 | 145 | 4-Ø20 |
| SGW150-250AG    | 105<br>150<br>180     | 73<br>70<br>67        | 55          | 75.7       | 5             | 2900    | 585                  | 250 | 140 | 1075 | 540 | 500 | 825  | 425 | 115 | 4-Ø20 |
| SGW150-250BG    | 96.6<br>138<br>165.6  | 62.5<br>60<br>57.6    | 45          | 76         | 5             | 2900    | 585                  | 250 | 140 | 1005 | 485 | 445 | 765  | 465 | 115 | 4-Ø20 |
| SGW150-315G     | 140<br>200<br>240     | 134<br>125<br>121     | 110         | 73.1       | 4.5           | 2900    | 660                  | 280 | 152 | 1345 | 655 | 615 | 1045 | 645 | 150 | 4-Ø20 |
| SGW150-315AG    | 130.9<br>187<br>224.4 | 118.1<br>110<br>107   | 90          | 73.7       | 4.5           | 2900    | 660                  | 280 | 152 | 1232 | 570 | 530 | 955  | 555 | 115 | 4-Ø20 |
| SGW150-315BG    | 121.1<br>173<br>207.6 | 102<br>95<br>92       | 75          | 74.5       | 4.5           | 2900    | 660                  | 280 | 152 | 1210 | 570 | 530 | 905  | 505 | 115 | 4-Ø20 |
| SGW100-315G     | 35<br>50<br>60        | 33.5<br>32<br>30      | 11          | 62         | 3             | 1450    | 550                  | 225 | 127 | 794  | 420 | 380 | 605  | 305 | 78  | 4-Ø14 |
| SGW100-250(I)G  | 70<br>100<br>120      | 22.5<br>20<br>17.8    | 11          | 74.3       | 3             | 1450    | 500                  | 200 | 132 | 795  | 390 | 350 | 610  | 310 | 78  | 4-Ø14 |
| SGW100-315(I)G  | 56<br>80<br>96        | 33.5<br>32<br>30.5    | 15          | 68         | 3             | 1450    | 575                  | 250 | 132 | 840  | 420 | 380 | 650  | 350 | 78  | 4-Ø14 |
| SGW100-315(I)AG | 49<br>70<br>84        | 28.9<br>27.5<br>26.31 | 11          | 67.4       | 3             | 1450    | 575                  | 250 | 132 | 797  | 420 | 380 | 605  | 305 | 78  | 4-Ø14 |
| SGW100-400(I)G  | 56<br>80<br>96        | 47<br>44<br>42        | 30          | 63         | 3             | 1450    | 640                  | 280 | 150 | 977  | 480 | 440 | 755  | 455 | 95  | 4-Ø18 |
| SGW100-400(I)AG | 52.5<br>75<br>90      | 43<br>40<br>38        | 22          | 63.5       | 3             | 1450    | 640                  | 280 | 150 | 947  | 480 | 440 | 725  | 425 | 95  | 4-Ø18 |
| SGW100-400(I)BG | 49<br>70<br>84        | 41<br>38<br>36        | 18.5        | 63.3       | 3             | 1450    | 640                  | 280 | 150 | 907  | 480 | 440 | 690  | 390 | 95  | 4-Ø18 |
| SGW125-250G     | 70<br>100<br>120      | 22.52<br>20<br>17.82  | 11          | 74.3       | 3             | 1450    | 500                  | 200 | 140 | 803  | 390 | 350 | 615  | 315 | 78  | 4-Ø14 |
| SGW125-315G     | 56<br>80<br>96        | 33.5<br>32<br>30.5    | 15          | 68         | 3             | 1450    | 575                  | 245 | 130 | 840  | 420 | 380 | 650  | 350 | 78  | 4-Ø14 |
| SGW125-315AG    | 49<br>70<br>84        | 28.87<br>27<br>26.8   | 11          | 67.4       | 3             | 1450    | 575                  | 245 | 130 | 795  | 420 | 380 | 605  | 305 | 78  | 4-Ø14 |
| SGW125-400G     | 70<br>100<br>120      | 52<br>50<br>48        | 30          | 64.3       | 3             | 1450    | 640                  | 280 | 130 | 960  | 480 | 440 | 755  | 455 | 95  | 4-Ø18 |
| SGW125-400AG    | 65.8<br>94<br>112.8   | 47.04<br>44<br>42.89  | 22          | 65.3       | 3             | 1450    | 640                  | 280 | 130 | 927  | 480 | 440 | 725  | 425 | 95  | 4-Ø18 |
| SGW125-400BG    | 60.9<br>87<br>104.4   | 39.3<br>37.5<br>36.85 | 18.5        | 66.2       | 3             | 1450    | 640                  | 280 | 130 | 887  | 480 | 440 | 690  | 390 | 95  | 4-Ø18 |
| SGW150-200G     | 105<br>150<br>180     | 11.17<br>12.5<br>8.66 | 11          | 77.8       | 3             | 1450    | 575                  | 255 | 135 | 805  | 390 | 350 | 615  | 315 | 78  | 4-Ø14 |

General Parameter Table

| Model           | Flow                  | Head Range             | Motor Power | Efficiency | Required NPSH | Speed   | Vertical Pump Size |     |     |     |     |       |
|-----------------|-----------------------|------------------------|-------------|------------|---------------|---------|--------------------|-----|-----|-----|-----|-------|
|                 | (m³/h)                | (m)                    | (kW)        | (%)        | (m)           | (r/min) | H                  | L   | h   | B   | C   | n-d1  |
| SGL150-250G     | 105<br>150<br>180     | 18.5<br>20<br>14.4     | 15          | 79         | 3             | 1450    | 905                | 700 | 190 | 250 | 200 | 4-Ø22 |
| SGL150-250AG    | 91<br>130<br>156      | 15.2<br>15<br>12       | 11          | 78         | 3             | 1450    | 860                | 700 | 190 | 250 | 200 | 4-Ø22 |
| SGL150-250BG    | 70<br>100<br>120      | 14.1<br>13<br>12.7     | 7.5         | 76         | 3             | 1450    | 783                | 700 | 190 | 250 | 200 | 4-Ø22 |
| SGL150-315G     | 140<br>200<br>240     | 33.8<br>32<br>28.5     | 30          | 78         | 3             | 1450    | 1025               | 760 | 200 | 250 | 200 | 4-Ø22 |
| SGL150-315AG    | 130.9<br>187<br>224.4 | 31.5<br>28<br>27       | 22          | 77         | 3             | 1450    | 995                | 760 | 200 | 250 | 200 | 4-Ø22 |
| SGL150-315BG    | 121.1<br>173<br>207.6 | 26.9<br>24<br>22       | 18.5        | 76         | 3             | 1450    | 955                | 760 | 200 | 250 | 200 | 4-Ø22 |
| SGL150-400G     | 140<br>200<br>240     | 53<br>50<br>46         | 45          | 75         | 3             | 1450    | 1094               | 800 | 220 | 250 | 200 | 4-Ø22 |
| SGL150-400AG    | 130.9<br>187<br>224.4 | 46.6<br>44<br>41       | 37          | 74         | 3             | 1450    | 1069               | 800 | 220 | 250 | 200 | 4-Ø22 |
| SGL150-400BG    | 121.8<br>174<br>208.8 | 41.5<br>38<br>33.4     | 30          | 73         | 3             | 1450    | 1044               | 800 | 220 | 250 | 200 | 4-Ø22 |
| SGL150-400CG    | 112<br>160<br>192     | 34.17<br>32<br>29.15   | 22          | 71         | 3             | 1450    | 1014               | 800 | 220 | 250 | 200 | 4-Ø22 |
| SGL150-500G     | 140<br>200<br>240     | 83<br>80<br>77         | 90          | 67         | 3             | 1450    | 1327               | 900 | 237 | 250 | 250 | 4-Ø22 |
| SGL150-500AG    | 127.4<br>182<br>218.4 | 72.62<br>70.5<br>67.76 | 75          | 67.5       | 3             | 1450    | 1277               | 900 | 237 | 250 | 250 | 4-Ø22 |
| SGL150-500BG    | 116.2<br>166<br>199.2 | 63.46<br>62<br>60.34   | 55          | 68.1       | 3             | 1450    | 1192               | 900 | 237 | 250 | 250 | 4-Ø22 |
| SGL150-200(I)G  | 140<br>200<br>240     | 11<br>12.5<br>8.5      | 11          | 78.8       | 3             | 1450    | 845                | 600 | 180 | 250 | 200 | 4-Ø22 |
| SGL150-200(I)AG | 125.3<br>179<br>214.8 | 12.38<br>10<br>9.5     | 7.5         | 78.4       | 3             | 1450    | 768                | 600 | 180 | 250 | 200 | 4-Ø22 |
| SGL150-250(I)G  | 140<br>200<br>240     | 21.7<br>20<br>17.89    | 18.5        | 79.5       | 3             | 1450    | 910                | 700 | 200 | 250 | 200 | 4-Ø22 |
| SGL150-250(I)AG | 130.9<br>187<br>224.4 | 18.64<br>17.5<br>14.46 | 15          | 78.5       | 3             | 1450    | 870                | 700 | 200 | 250 | 200 | 4-Ø22 |
| SGL150-250(I)BG | 121.1<br>173<br>207.6 | 15.37<br>14<br>12.79   | 11          | 78.3       | 3             | 1450    | 825                | 700 | 200 | 250 | 200 | 4-Ø22 |
| SGL200-200G     | 140<br>200<br>240     | 11<br>12.5<br>8.5      | 11          | 78.8       | 3.5           | 1450    | 870                | 700 | 200 | 320 | 250 | 4-Ø22 |
| SGL200-200AG    | 125.3<br>179<br>214.8 | 11.1<br>10<br>8.7      | 7.5         | 78.4       | 3.5           | 1450    | 793                | 700 | 200 | 320 | 250 | 4-Ø22 |
| SGL200-250G     | 140<br>200<br>240     | 21.4<br>20<br>18.8     | 18.5        | 79.5       | 3.5           | 1450    | 965                | 750 | 210 | 320 | 250 | 4-Ø22 |
| SGL200-250AG    | 129.5<br>185<br>222   | 18.5<br>17<br>13.9     | 15          | 78.5       | 3.5           | 1450    | 925                | 750 | 210 | 320 | 250 | 4-Ø22 |

| Model           | Flow                  | Head Range             | Motor Power | Efficiency | Required NPSH | Speed   | Horizontal Pump Size |     |     |      |     |     |     |     |     |       |
|-----------------|-----------------------|------------------------|-------------|------------|---------------|---------|----------------------|-----|-----|------|-----|-----|-----|-----|-----|-------|
|                 | (m³/h)                | (m)                    | (kW)        | (%)        | (m)           | (r/min) | H                    | h   | a   | L    | B2  | B1  | L2  | L1  | A   | n-d1  |
| SGW150-250G     | 105<br>150<br>180     | 18.5<br>20<br>14.4     | 15          | 79         | 3             | 1450    | 585                  | 250 | 140 | 855  | 420 | 380 | 655 | 355 | 78  | 4-Ø14 |
| SGW150-250AG    | 91<br>130<br>156      | 15.2<br>15<br>12       | 11          | 78         | 3             | 1450    | 585                  | 250 | 140 | 810  | 420 | 380 | 605 | 305 | 78  | 4-Ø14 |
| SGW150-250BG    | 70<br>100<br>120      | 14.1<br>13<br>12.7     | 7.5         | 76         | 3             | 1450    | 585                  | 250 | 140 | 733  | 420 | 380 | 545 | 245 | 78  | 4-Ø14 |
| SGW150-315G     | 140<br>200<br>240     | 33.8<br>32<br>28.5     | 30          | 78         | 3             | 1450    | 660                  | 280 | 152 | 980  | 520 | 480 | 750 | 450 | 95  | 4-Ø18 |
| SGW150-315AG    | 130.9<br>187<br>224.4 | 31.5<br>28<br>27       | 22          | 77         | 3             | 1450    | 660                  | 280 | 152 | 950  | 520 | 480 | 720 | 420 | 95  | 4-Ø18 |
| SGW150-315BG    | 121.1<br>173<br>207.6 | 26.9<br>24<br>22       | 18.5        | 76         | 3             | 1450    | 660                  | 280 | 152 | 910  | 520 | 480 | 680 | 380 | 95  | 4-Ø18 |
| SGW150-400G     | 140<br>200<br>240     | 53<br>50<br>46         | 45          | 75         | 3             | 1450    | 730                  | 320 | 140 | 1015 | 520 | 480 | 785 | 485 | 115 | 4-Ø20 |
| SGW150-400AG    | 130.9<br>187<br>224.4 | 46.6<br>44<br>41       | 37          | 74         | 3             | 1450    | 730                  | 320 | 140 | 989  | 520 | 480 | 755 | 455 | 95  | 4-Ø18 |
| SGW150-400BG    | 121.8<br>174<br>208.8 | 41.5<br>38<br>33.4     | 30          | 73         | 3             | 1450    | 730                  | 320 | 140 | 965  | 520 | 480 | 755 | 455 | 95  | 4-Ø18 |
| SGW150-400CG    | 112<br>160<br>192     | 34.17<br>32<br>29.15   | 22          | 71         | 3             | 1450    | 730                  | 320 | 140 | 935  | 520 | 480 | 720 | 420 | 95  | 4-Ø18 |
| SGW150-500G     | 140<br>200<br>240     | 83<br>80<br>77         | 90          | 67         | 3             | 1450    | 780                  | 340 | 146 | 1236 | 680 | 640 | 965 | 565 | 115 | 4-Ø20 |
| SGW150-500AG    | 127.4<br>182<br>218.4 | 72.62<br>70.5<br>67.76 | 75          | 67.5       | 3             | 1450    | 780                  | 340 | 145 | 1186 | 680 | 640 | 915 | 515 | 115 | 4-Ø20 |
| SGW150-500BG    | 116.2<br>166<br>199.2 | 63.46<br>62<br>60.34   | 55          | 68.1       | 3             | 1450    | 780                  | 340 | 145 | 1101 | 680 | 640 | 865 | 465 | 115 | 4-Ø20 |
| SGW150-200(I)G  | 140<br>200<br>240     | 11<br>12.5<br>8.5      | 11          | 78.8       | 3             | 1450    | 575                  | 255 | 135 | 805  | 390 | 350 | 615 | 315 | 78  | 4-Ø14 |
| SGW150-200(I)AG | 125.3<br>179<br>214.8 | 12.38<br>10<br>9.5     | 7.5         | 78.4       | 3             | 1450    | 575                  | 255 | 135 | 728  | 390 | 350 | 550 | 250 | 78  | 4-Ø14 |
| SGW150-250(I)G  | 140<br>200<br>240     | 21.7<br>20<br>17.89    | 18.5        | 79.5       | 3             | 1450    | 575                  | 225 | 153 | 907  | 390 | 350 | 665 | 365 | 95  | 4-Ø18 |
| SGW150-250(I)AG | 130.9<br>187<br>224.4 | 18.64<br>17.5<br>14.46 | 15          | 78.5       | 3             | 1450    | 575                  | 225 | 153 | 867  | 380 | 340 | 650 | 350 | 78  | 4-Ø14 |
| SGW150-250(I)BG | 121.1<br>173<br>207.6 | 15.37<br>14<br>12.79   | 11          | 78.3       | 3             | 1450    | 575                  | 225 | 153 | 822  | 390 | 350 | 615 | 315 | 78  | 4-Ø14 |
| SGW200-200G     | 140<br>200<br>240     | 11<br>12.5<br>8.5      | 11          | 78.8       | 3.5           | 1450    | 580                  | 250 | 145 | 815  | 420 | 380 | 605 | 305 | 78  | 4-Ø14 |
| SGW200-200AG    | 125.3<br>179<br>214.8 | 11.1<br>10<br>8.7      | 7.5         | 78.4       | 3.5           | 1450    | 580                  | 250 | 145 | 738  | 420 | 380 | 545 | 245 | 78  | 4-Ø14 |
| SGW200-250G     | 140<br>200<br>240     | 21.4<br>20<br>18.8     | 18.5        | 79.5       | 3.5           | 1450    | 610                  | 250 | 170 | 925  | 420 | 380 | 660 | 360 | 95  | 4-Ø18 |
| SGW200-250AG    | 129.5<br>185<br>222   | 18.5<br>17<br>13.9     | 15          | 78.5       | 3.5           | 1450    | 610                  | 250 | 170 | 885  | 420 | 380 | 650 | 350 | 78  | 4-Ø14 |



General Parameter Table

| Model           | Flow                  | Head Range            | Motor Power | Efficiency | Required NPSH | Speed   | Vertical Pump Size |      |     |     |     |       |
|-----------------|-----------------------|-----------------------|-------------|------------|---------------|---------|--------------------|------|-----|-----|-----|-------|
|                 | (m³/h)                | (m)                   | (kW)        | (%)        | (m)           | (r/min) | H                  | L    | h   | B   | C   | n-d1  |
| SGL200-250BG    | 125.3<br>179<br>214.8 | 15.2<br>14<br>12      | 11          | 78.3       | 3.5           | 1450    | 880                | 750  | 210 | 320 | 250 | 4-Ø22 |
| SGL200-315G     | 140<br>200<br>240     | 35<br>32<br>28.86     | 30          | 78.5       | 3.5           | 1450    | 1035               | 800  | 210 | 260 | 210 | 4-Ø22 |
| SGL200-315AG    | 130.9<br>187<br>224.4 | 31<br>28<br>24.7      | 22          | 76         | 3.5           | 1450    | 1005               | 800  | 210 | 260 | 210 | 4-Ø22 |
| SGL200-315BG    | 121.1<br>173<br>207.6 | 26.5<br>24<br>21.7    | 18.5        | 75         | 3.5           | 1450    | 965                | 800  | 210 | 260 | 210 | 4-Ø22 |
| SGL200-400G     | 140<br>200<br>240     | 53<br>50<br>46.57     | 45          | 75         | 3.5           | 1450    | 1100               | 860  | 225 | 320 | 250 | 4-Ø22 |
| SGL200-400AG    | 130.9<br>187<br>224.4 | 46.65<br>44<br>41.27  | 37          | 74         | 3.5           | 1450    | 1074               | 860  | 225 | 320 | 250 | 4-Ø22 |
| SGL200-400BG    | 121.8<br>174<br>208.8 | 40<br>38<br>33        | 30          | 73         | 3.5           | 1450    | 1049               | 860  | 225 | 320 | 250 | 4-Ø22 |
| SGL200-400CG    | 112<br>160<br>192     | 34<br>32<br>28        | 22          | 71         | 3.5           | 1450    | 1019               | 860  | 225 | 320 | 250 | 4-Ø22 |
| SGL200-500G     | 140<br>200<br>240     | 76<br>80<br>64        | 90          | 67         | 4             | 1450    | 1370               | 1080 | 280 | 400 | 300 | 4-Ø24 |
| SGL200-500AG    | 127.4<br>182<br>218.4 | 72.3<br>70.5<br>66.28 | 75          | 67.5       | 4             | 1450    | 1320               | 1080 | 280 | 400 | 300 | 4-Ø24 |
| SGL200-500BG    | 116.2<br>166<br>199.2 | 64.18<br>62<br>60.3   | 55          | 68.1       | 4             | 1450    | 1235               | 1080 | 280 | 400 | 300 | 4-Ø24 |
| SGL200-250(I)G  | 280<br>400<br>480     | 22.5<br>20<br>14.76   | 30          | 81         | 4             | 1450    | 1088               | 830  | 220 | 320 | 250 | 4-Ø22 |
| SGL200-250(I)AG | 250.6<br>358<br>429.6 | 18.7<br>16<br>11.23   | 22          | 80.6       | 4             | 1450    | 1018               | 830  | 220 | 320 | 250 | 4-Ø22 |
| SGL200-250(I)BG | 225.4<br>322<br>386.4 | 15.35<br>13<br>11.12  | 18.5        | 79.5       | 4             | 1450    | 978                | 830  | 220 | 320 | 250 | 4-Ø22 |
| SGL200-250(I)CG | 183.4<br>262<br>314.4 | 14.79<br>13<br>12.64  | 15          | 79.5       | 4             | 1450    | 938                | 830  | 220 | 320 | 250 | 4-Ø22 |
| SGL200-315(I)G  | 280<br>400<br>480     | 35.13<br>32<br>28.6   | 55          | 81.5       | 4             | 1450    | 1190               | 860  | 225 | 320 | 250 | 4-Ø22 |
| SGL200-315(I)AG | 261.8<br>374<br>448.8 | 30.4<br>28<br>23.5    | 45          | 80         | 4             | 1450    | 1120               | 860  | 225 | 320 | 250 | 4-Ø22 |
| SGL200-315(I)BG | 242.2<br>346<br>415.2 | 28<br>24<br>21.43     | 37          | 78         | 4             | 1450    | 1095               | 860  | 225 | 320 | 250 | 4-Ø22 |
| SGL200-315(I)CG | 210<br>300<br>360     | 36<br>32<br>28.5      | 30          | 79.7       | 4             | 1450    | 1068               | 860  | 225 | 320 | 250 | 4-Ø22 |
| SGL200-400(I)G  | 280<br>400<br>480     | 53.75<br>50<br>49.22  | 90          | 81.3       | 4             | 1450    | 1335               | 880  | 240 | 320 | 250 | 4-Ø22 |
| SGL200-400(I)AG | 261.8<br>374<br>448.8 | 50.43<br>44<br>38     | 75          | 80         | 4             | 1450    | 1330               | 880  | 240 | 320 | 250 | 4-Ø22 |
| SGL200-400(I)BG | 242.2<br>346<br>415.2 | 38.15<br>35<br>30.32  | 55          | 80.2       | 4             | 1450    | 1245               | 880  | 240 | 320 | 250 | 4-Ø22 |

| Model           | Flow                  | Head Range            | Motor Power | Efficiency | Required NPSH | Speed   | Horizontal Pump Size |     |     |      |     |     |     |     |     |       |
|-----------------|-----------------------|-----------------------|-------------|------------|---------------|---------|----------------------|-----|-----|------|-----|-----|-----|-----|-----|-------|
|                 | (m³/h)                | (m)                   | (kW)        | (%)        | (m)           | (r/min) | H                    | h   | a   | L    | B2  | B1  | L2  | L1  | A   | n-d1  |
| SGW200-250BG    | 125.3<br>179<br>214.8 | 15.2<br>14<br>12      | 11          | 78.3       | 3.5           | 1450    | 610                  | 250 | 170 | 840  | 420 | 380 | 605 | 305 | 78  | 4-Ø14 |
| SGW200-315G     | 140<br>200<br>240     | 35<br>32<br>28.86     | 30          | 78.5       | 3.5           | 1450    | 680                  | 280 | 170 | 995  | 520 | 480 | 760 | 460 | 95  | 4-Ø18 |
| SGW200-315AG    | 130.9<br>187<br>224.4 | 31<br>28<br>24.7      | 22          | 76         | 3.5           | 1450    | 680                  | 280 | 170 | 965  | 520 | 480 | 720 | 420 | 95  | 4-Ø18 |
| SGW200-315BG    | 121.1<br>173<br>207.6 | 26.5<br>24<br>21.7    | 18.5        | 75         | 3.5           | 1450    | 680                  | 280 | 170 | 925  | 520 | 480 | 680 | 380 | 95  | 4-Ø18 |
| SGW200-400G     | 140<br>200<br>240     | 53<br>50<br>46.57     | 45          | 75         | 3.5           | 1450    | 750                  | 315 | 141 | 1015 | 520 | 480 | 785 | 485 | 115 | 4-Ø20 |
| SGW200-400AG    | 130.9<br>187<br>224.4 | 46.65<br>44<br>41.27  | 37          | 74         | 3.5           | 1450    | 750                  | 315 | 141 | 980  | 520 | 480 | 755 | 455 | 95  | 4-Ø18 |
| SGW200-400BG    | 121.8<br>174<br>208.8 | 40<br>38<br>33        | 30          | 73         | 3.5           | 1450    | 750                  | 315 | 141 | 965  | 520 | 480 | 755 | 455 | 95  | 4-Ø18 |
| SGW200-400CG    | 112<br>160<br>192     | 34<br>32<br>28        | 22          | 71         | 3.5           | 1450    | 750                  | 315 | 141 | 935  | 520 | 480 | 720 | 420 | 95  | 4-Ø18 |
| SGW200-500G     | 140<br>200<br>240     | 76<br>80<br>64        | 90          | 67         | 4             | 1450    | 920                  | 380 | 200 | 1290 | 680 | 640 | 970 | 570 | 115 | 4-Ø20 |
| SGW200-500AG    | 127.4<br>182<br>218.4 | 72.3<br>70.5<br>66.28 | 75          | 67.5       | 4             | 1450    | 920                  | 380 | 200 | 1240 | 680 | 640 | 915 | 515 | 115 | 4-Ø20 |
| SGW200-500BG    | 116.2<br>166<br>199.2 | 64.18<br>62<br>60.3   | 55          | 68.1       | 4             | 1450    | 920                  | 380 | 200 | 1155 | 680 | 640 | 865 | 465 | 115 | 4-Ø20 |
| SGW200-250(I)G  | 280<br>400<br>480     | 22.5<br>20<br>14.76   | 30          | 81         | 4             | 1450    | 660                  | 280 | 162 | 990  | 520 | 480 | 755 | 455 | 95  | 4-Ø18 |
| SGW200-250(I)AG | 250.6<br>358<br>429.6 | 18.7<br>16<br>11.23   | 22          | 80.6       | 4             | 1450    | 660                  | 280 | 162 | 960  | 520 | 480 | 720 | 420 | 95  | 4-Ø18 |
| SGW200-250(I)BG | 225.4<br>322<br>386.4 | 15.35<br>13<br>11.12  | 18.5        | 79.5       | 4             | 1450    | 660                  | 280 | 162 | 920  | 520 | 480 | 685 | 385 | 95  | 4-Ø18 |
| SGW200-250(I)CG | 183.4<br>262<br>314.4 | 14.79<br>13<br>12.64  | 15          | 79.5       | 4             | 1450    | 660                  | 280 | 162 | 880  | 520 | 480 | 675 | 375 | 78  | 4-Ø14 |
| SGW200-315(I)G  | 280<br>400<br>480     | 35.13<br>32<br>28.6   | 55          | 81.5       | 4             | 1450    | 735                  | 315 | 162 | 1130 | 570 | 530 | 890 | 490 | 115 | 4-Ø20 |
| SGW200-315(I)AG | 261.8<br>374<br>448.8 | 30.4<br>28<br>23.5    | 45          | 80         | 4             | 1450    | 735                  | 315 | 162 | 1055 | 570 | 530 | 830 | 430 | 115 | 4-Ø20 |
| SGW200-315(I)BG | 242.2<br>346<br>415.2 | 28<br>24<br>21.43     | 37          | 78         | 4             | 1450    | 735                  | 315 | 162 | 1030 | 570 | 530 | 790 | 490 | 95  | 4-Ø18 |
| SGW200-315(I)CG | 210<br>300<br>360     | 36<br>32<br>28.5      | 30          | 79.7       | 4             | 1450    | 735                  | 315 | 162 | 1005 | 570 | 530 | 775 | 475 | 95  | 4-Ø18 |
| SGW200-400(I)G  | 280<br>400<br>480     | 53.75<br>50<br>49.22  | 90          | 81.3       | 4             | 1450    | 755                  | 315 | 164 | 1275 | 570 | 530 | 980 | 580 | 115 | 4-Ø20 |
| SGW200-400(I)AG | 261.8<br>374<br>448.8 | 50.43<br>44<br>38     | 75          | 80         | 4             | 1450    | 755                  | 315 | 164 | 1225 | 570 | 530 | 925 | 525 | 115 | 4-Ø20 |
| SGW200-400(I)BG | 242.2<br>346<br>415.2 | 38.15<br>35<br>30.32  | 55          | 80.2       | 4             | 1450    | 755                  | 315 | 164 | 1115 | 570 | 530 | 880 | 480 | 115 | 4-Ø20 |

General Parameter Table

| Model           | Flow                  | Head Range           | Motor Power | Efficiency | Required NPSH | Speed   | Vertical Pump Size |      |     |     |     |       |
|-----------------|-----------------------|----------------------|-------------|------------|---------------|---------|--------------------|------|-----|-----|-----|-------|
|                 | (m³/h)                | (m)                  | (kW)        | (%)        | (m)           | (r/min) | H                  | L    | h   | B   | C   | n-d1  |
| SGL200-400(I)CG | 224<br>320<br>384     | 37.8<br>30<br>22     | 45          | 80.2       | 4             | 1450    | 1175               | 880  | 240 | 320 | 250 | 4-Ø22 |
| SGL200-500(I)G  | 280<br>400<br>480     | 81.29<br>80<br>71.56 | 132         | 75.2       | 4             | 1450    | 1586               | 1090 | 280 | 400 | 300 | 4-Ø22 |
| SGL200-500(I)AG | 261.8<br>374<br>448.8 | 72.28<br>70<br>61.4  | 110         | 75.8       | 4             | 1450    | 1526               | 1090 | 280 | 400 | 300 | 4-Ø22 |
| SGL200-500(I)BG | 242.2<br>346<br>415.2 | 62.3<br>60<br>57.16  | 90          | 76.6       | 4             | 1450    | 1371               | 1090 | 280 | 400 | 300 | 4-Ø22 |
| SGL200-500(I)CG | 224<br>320<br>384     | 55.16<br>50<br>44.03 | 75          | 77.5       | 4             | 1450    | 1321               | 1090 | 280 | 400 | 300 | 4-Ø22 |
| SGL250-250G     | 385<br>550<br>660     | 23<br>20<br>17       | 45          | 83         | 5             | 1450    | 1130               | 950  | 235 | 350 | 300 | 4-Ø26 |
| SGL250-250AG    | 350<br>500<br>600     | 19.97<br>17<br>13.3  | 37          | 81         | 5             | 1450    | 1105               | 950  | 235 | 350 | 300 | 4-Ø26 |
| SGL250-315G     | 385<br>550<br>660     | 36.46<br>32<br>28    | 75          | 82         | 5             | 1450    | 1330               | 1100 | 290 | 350 | 300 | 4-Ø26 |
| SGL250-315AG    | 350<br>500<br>600     | 33.28<br>28<br>23.38 | 55          | 80         | 5             | 1450    | 1245               | 1100 | 290 | 350 | 300 | 4-Ø26 |
| SGL250-315BG    | 315<br>450<br>540     | 27.18<br>24<br>20.88 | 45          | 78         | 5             | 1450    | 1175               | 1100 | 290 | 350 | 300 | 4-Ø26 |
| SGL250-400G     | 385<br>550<br>660     | 54.24<br>50<br>48.3  | 110         | 81         | 5             | 1450    | 1550               | 1195 | 305 | 450 | 350 | 4-Ø22 |
| SGL250-400AG    | 350<br>500<br>600     | 46.8<br>44<br>40.7   | 90          | 80         | 5             | 1450    | 1395               | 1195 | 305 | 450 | 350 | 4-Ø22 |
| SGL250-400BG    | 322<br>460<br>552     | 40.5<br>38<br>35.44  | 75          | 81.4       | 5             | 1450    | 1345               | 1195 | 305 | 450 | 350 | 4-Ø22 |
| SGL250-400CG    | 300.3<br>429<br>514.8 | 34.49<br>31<br>27.38 | 55          | 81.2       | 5             | 1450    | 1260               | 1195 | 305 | 450 | 350 | 4-Ø22 |
| SGL250-500G     | 385<br>550<br>660     | 88<br>80<br>76       | 185         | 78.3       | 4.5           | 1450    | 1680               | 1180 | 310 | 400 | 350 | 4-Ø26 |
| SGL250-500AG    | 357<br>510<br>612     | 78<br>70<br>67       | 160         | 78.9       | 4.5           | 1450    | 1680               | 1180 | 310 | 400 | 350 | 4-Ø26 |
| SGL250-500BG    | 329<br>470<br>564     | 63<br>60<br>56.37    | 132         | 79.4       | 4.5           | 1450    | 1620               | 1180 | 310 | 400 | 350 | 4-Ø26 |
| SGL250-500CG    | 301<br>430<br>516     | 58.5<br>50<br>52     | 110         | 79.9       | 4.5           | 1450    | 1560               | 1180 | 310 | 400 | 350 | 4-Ø26 |
| SGL300-250G     | 504<br>720<br>864     | 21.36<br>20<br>12.94 | 55          | 83         | 6             | 1450    | 1310               | 1070 | 330 | 450 | 350 | 4-Ø24 |
| SGL300-250AG    | 420<br>600<br>720     | 18<br>17<br>10       | 45          | 81         | 6             | 1450    | 1240               | 1070 | 330 | 450 | 350 | 4-Ø24 |
| SGL300-315G     | 504<br>720<br>864     | 34.41<br>32<br>26.2  | 90          | 82.8       | 4.8           | 1450    | 1468               | 1200 | 350 | 400 | 300 | 4-Ø26 |
| SGL300-315AG    | 445.9<br>637<br>764.4 | 30.06<br>28<br>26.74 | 75          | 82.4       | 4.8           | 1450    | 1418               | 1200 | 350 | 400 | 300 | 4-Ø26 |

| Model           | Flow                  | Head Range           | Motor Power | Efficiency | Required NPSH | Speed     | Horizontal Pump Size |     |     |      |     |     |      |     |     |       |
|-----------------|-----------------------|----------------------|-------------|------------|---------------|-----------|----------------------|-----|-----|------|-----|-----|------|-----|-----|-------|
|                 | (m³/h)                | ( m )                | ( kW )      | ( % )      | ( m )         | ( r/min ) | H                    | h   | a   | L    | B2  | B1  | L2   | L1  | A   | n-d1  |
| SGW200-400(I)CG | 224<br>320<br>384     | 37.8<br>30<br>22     | 45          | 80.2       | 4             | 1450      | 755                  | 315 | 164 | 1055 | 570 | 530 | 820  | 420 | 115 | 4-Ø20 |
| SGW200-500(I)G  | 280<br>400<br>480     | 81.29<br>80<br>71.56 | 132         | 75.2       | 4             | 1450      | 920                  | 380 | 210 | 1516 | 680 | 640 | 1150 | 750 | 115 | 4-Ø20 |
| SGW200-500(I)AG | 261.8<br>374<br>448.8 | 72.28<br>70<br>61.4  | 110         | 75.8       | 4             | 1450      | 920                  | 380 | 210 | 1456 | 680 | 640 | 1060 | 660 | 115 | 4-Ø20 |
| SGW200-500(I)BG | 242.2<br>346<br>415.2 | 62.3<br>60<br>57.16  | 90          | 76.6       | 4             | 1450      | 920                  | 380 | 210 | 1350 | 680 | 640 | 970  | 570 | 115 | 4-Ø20 |
| SGW200-500(I)CG | 224<br>320<br>384     | 55.16<br>50<br>44.03 | 75          | 77.5       | 4             | 1450      | 920                  | 380 | 210 | 1251 | 680 | 640 | 915  | 515 | 115 | 4-Ø20 |
| SGW250-250G     | 385<br>550<br>660     | 23<br>20<br>17       | 45          | 83         | 5             | 1450      | 775                  | 315 | 210 | 1106 | 520 | 480 | 805  | 505 | 115 | 4-Ø20 |
| SGW250-250AG    | 350<br>500<br>600     | 19.97<br>17<br>13.3  | 37          | 81         | 5             | 1450      | 775                  | 315 | 210 | 1081 | 520 | 480 | 780  | 480 | 95  | 4-Ø18 |
| SGW250-315G     | 385<br>550<br>660     | 36.46<br>32<br>28    | 75          | 82         | 5             | 1450      | 805                  | 310 | 225 | 1265 | 595 | 555 | 915  | 515 | 115 | 4-Ø20 |
| SGW250-315AG    | 350<br>500<br>600     | 33.28<br>28<br>23.38 | 55          | 80         | 5             | 1450      | 805                  | 310 | 225 | 1180 | 595 | 555 | 865  | 465 | 115 | 4-Ø20 |
| SGW250-315BG    | 315<br>450<br>540     | 27.18<br>24<br>20.88 | 45          | 78         | 5             | 1450      | 805                  | 310 | 225 | 1095 | 595 | 555 | 795  | 495 | 115 | 4-Ø20 |
| SGW250-400G     | 385<br>550<br>660     | 54.24<br>50<br>48.3  | 110         | 81         | 5             | 1450      | 875                  | 335 | 197 | 1440 | 655 | 615 | 1055 | 655 | 115 | 4-Ø20 |
| SGW250-400AG    | 350<br>500<br>600     | 46.8<br>44<br>40.7   | 90          | 80         | 5             | 1450      | 875                  | 335 | 197 | 1285 | 580 | 540 | 970  | 570 | 115 | 4-Ø20 |
| SGW250-400BG    | 322<br>460<br>552     | 40.5<br>38<br>35.44  | 75          | 81.4       | 5             | 1450      | 875                  | 335 | 197 | 1237 | 580 | 540 | 920  | 520 | 115 | 4-Ø20 |
| SGW250-400CG    | 300.3<br>429<br>514.8 | 34.49<br>31<br>27.38 | 55          | 81.2       | 5             | 1450      | 875                  | 335 | 197 | 1140 | 570 | 530 | 880  | 480 | 115 | 4-Ø20 |
| SGW250-500G     | 385<br>550<br>660     | 88<br>80<br>76       | 185         | 78.3       | 4.5           | 1450      | 980                  | 400 | 220 | 1590 | 680 | 640 | 1170 | 770 | 115 | 4-Ø20 |
| SGW250-500AG    | 357<br>510<br>612     | 78<br>70<br>67       | 160         | 78.9       | 4.5           | 1450      | 980                  | 400 | 220 | 1590 | 680 | 640 | 1170 | 770 | 115 | 4-Ø20 |
| SGW250-500BG    | 329<br>470<br>564     | 63<br>60<br>56.37    | 132         | 79.4       | 4.5           | 1450      | 980                  | 400 | 220 | 1530 | 670 | 630 | 1145 | 745 | 115 | 4-Ø20 |
| SGW250-500CG    | 301<br>430<br>516     | 58.5<br>50<br>52     | 110         | 79.9       | 4.5           | 1450      | 980                  | 400 | 220 | 1470 | 670 | 630 | 1060 | 660 | 115 | 4-Ø20 |
| SGW300-250G     | 504<br>720<br>864     | 21.36<br>20<br>12.94 | 55          | 83         | 6             | 1450      | 850                  | 350 | 250 | 1223 | 570 | 530 | 900  | 500 | 115 | 4-Ø20 |
| SGW300-250AG    | 420<br>600<br>720     | 18<br>17<br>10       | 45          | 81         | 6             | 1450      | 850                  | 350 | 250 | 1153 | 570 | 530 | 820  | 420 | 115 | 4-Ø20 |
| SGW300-315G     | 504<br>720<br>864     | 34.41<br>32<br>26.2  | 90          | 82.8       | 4.8           | 1450      | 960                  | 350 | 260 | 1378 | 680 | 640 | 995  | 595 | 115 | 4-Ø20 |
| SGW300-315AG    | 445.9<br>637<br>764.4 | 30.06<br>28<br>26.74 | 75          | 82.4       | 4.8           | 1450      | 960                  | 350 | 260 | 1328 | 620 | 580 | 940  | 540 | 115 | 4-Ø20 |



General Parameter Table

| Model        | Flow                  | Head Range           | Motor Power | Efficiency | Required NPSH | Speed   | Vertical Pump Size |      |     |     |     |       |
|--------------|-----------------------|----------------------|-------------|------------|---------------|---------|--------------------|------|-----|-----|-----|-------|
|              | (m³/h)                | (m)                  | (kW)        | (%)        | (m)           | (r/min) | H                  | L    | h   | B   | C   | n-d1  |
| SGL300-315BG | 394.1<br>563<br>675.6 | 27.65<br>24<br>23.2  | 55          | 82         | 4.8           | 1450    | 1333               | 1200 | 350 | 400 | 300 | 4-Ø26 |
| SGL300-400G  | 504<br>720<br>864     | 55<br>50<br>47       | 132         | 82.8       | 6             | 1450    | 1711               | 1300 | 370 | 450 | 400 | 4-Ø26 |
| SGL300-400AG | 463.4<br>662<br>794.4 | 49.06<br>44<br>43.5  | 110         | 82.5       | 6             | 1450    | 1651               | 1300 | 370 | 450 | 400 | 4-Ø26 |
| SGL300-400BG | 426.3<br>609<br>730.8 | 42<br>38<br>32       | 90          | 82.2       | 6             | 1450    | 1496               | 1300 | 370 | 450 | 400 | 4-Ø26 |
| SGL300-400CG | 375.2<br>536<br>643.2 | 36<br>31<br>28       | 75          | 81.9       | 6             | 1450    | 1446               | 1300 | 370 | 450 | 400 | 4-Ø26 |
| SGL300-500G  | 504<br>720<br>864     | 89<br>80<br>73       | 250         | 80.6       | 6.5           | 1450    | 1925               | 1250 | 340 | 500 | 400 | 4-Ø24 |
| SGL300-500AG | 472.5<br>675<br>810   | 79<br>70<br>64       | 200         | 81         | 6.5           | 1450    | 1725               | 1250 | 340 | 500 | 400 | 4-Ø24 |
| SGL300-500BG | 437.5<br>625<br>750   | 63.7<br>60<br>51.5   | 160         | 81.4       | 6.5           | 1450    | 1725               | 1250 | 340 | 500 | 400 | 4-Ø24 |
| SGL300-500CG | 399<br>570<br>684     | 54<br>50<br>42       | 110         | 81.7       | 6.5           | 1450    | 1605               | 1250 | 340 | 500 | 400 | 4-Ø24 |
| SGL350-250G  | 840<br>1200<br>1440   | 26.57<br>20<br>13.51 | 90          | 80.4       | 6             | 1450    | 1530               | 1300 | 420 | 580 | 480 | 4-Ø26 |
| SGL350-250AG | 756<br>1080<br>1296   | 19.5<br>16<br>13.5   | 75          | 80.9       | 6             | 1450    | 1480               | 1300 | 420 | 580 | 480 | 4-Ø26 |
| SGL350-315G  | 840<br>1200<br>1440   | 36<br>32<br>28       | 160         | 83.6       | 6.5           | 1450    | 1765               | 1310 | 380 | 600 | 500 | 4-Ø26 |
| SGL350-315AG | 784<br>1120<br>1344   | 32<br>28<br>25       | 132         | 82.8       | 6.5           | 1450    | 1705               | 1310 | 380 | 600 | 500 | 4-Ø26 |
| SGL350-315BG | 728<br>1040<br>1248   | 26.62<br>24<br>20.41 | 110         | 82         | 6.5           | 1450    | 1645               | 1310 | 380 | 600 | 500 | 4-Ø26 |
| SGL350-400G  | 840<br>1200<br>1440   | 55<br>50<br>45       | 250         | 84.1       | 7.5           | 1450    | 1990               | 1395 | 400 | 450 | 400 | 4-Ø26 |
| SGL350-400AG | 770<br>1100<br>1320   | 47.5<br>44<br>39     | 220         | 83.9       | 7.5           | 1450    | 1990               | 1395 | 400 | 450 | 400 | 4-Ø26 |
| SGL350-400BG | 700<br>1000<br>1200   | 41.5<br>38<br>34     | 200         | 83.7       | 7.5           | 1450    | 1790               | 1395 | 400 | 450 | 400 | 4-Ø26 |
| SGL350-400CG | 633.5<br>905<br>1086  | 35<br>31<br>28.5     | 160         | 83.3       | 7.5           | 1450    | 1790               | 1395 | 400 | 450 | 400 | 4-Ø26 |

| Model        | Flow                  | Head Range           | Motor Power | Efficiency | Required NPSH | Speed   | Horizontal Pump Size |     |     |      |     |     |      |     |     |       |
|--------------|-----------------------|----------------------|-------------|------------|---------------|---------|----------------------|-----|-----|------|-----|-----|------|-----|-----|-------|
|              | (m³/h)                | (m)                  | (kW)        | (%)        | (m)           | (r/min) | H                    | h   | a   | L    | B2  | B1  | L2   | L1  | A   | n-d1  |
| SGW300-315BG | 394.1<br>563<br>675.6 | 27.65<br>24<br>23.2  | 55          | 82         | 4.8           | 1450    | 960                  | 350 | 260 | 1243 | 620 | 580 | 890  | 490 | 115 | 4-Ø20 |
| SGW300-400G  | 504<br>720<br>864     | 55<br>50<br>47       | 132         | 82.8       | 6             | 1450    | 1020                 | 400 | 255 | 1595 | 670 | 630 | 1170 | 770 | 115 | 4-Ø20 |
| SGW300-400AG | 463.4<br>662<br>794.4 | 49.06<br>44<br>43.5  | 110         | 82.5       | 6             | 1450    | 1020                 | 400 | 255 | 1535 | 670 | 630 | 1110 | 710 | 115 | 4-Ø20 |
| SGW300-400BG | 426.3<br>609<br>730.8 | 42<br>38<br>32       | 90          | 82.2       | 6             | 1450    | 1020                 | 400 | 255 | 1380 | 670 | 630 | 1020 | 620 | 115 | 4-Ø20 |
| SGW300-400CG | 375.2<br>536<br>643.2 | 36<br>31<br>28       | 75          | 81.9       | 6             | 1450    | 1020                 | 400 | 255 | 1331 | 670 | 630 | 970  | 570 | 115 | 4-Ø20 |
| SGW300-500G  | 504<br>720<br>864     | 89<br>80<br>73       | 250         | 80.6       | 6.5           | 1450    | 1035                 | 425 | 250 | 1835 | 760 | 720 | 1325 | 925 | 115 | 4-Ø20 |
| SGW300-500AG | 472.5<br>675<br>810   | 79<br>70<br>64       | 200         | 81         | 6.5           | 1450    | 1035                 | 425 | 250 | 1635 | 760 | 720 | 1200 | 800 | 115 | 4-Ø20 |
| SGW300-500BG | 437.5<br>625<br>750   | 63.7<br>60<br>51.5   | 160         | 81.4       | 6.5           | 1450    | 1035                 | 425 | 250 | 1635 | 760 | 720 | 1200 | 800 | 115 | 4-Ø20 |
| SGW300-500CG | 399<br>570<br>684     | 54<br>50<br>42       | 110         | 81.7       | 6.5           | 1450    | 1035                 | 425 | 250 | 1515 | 760 | 720 | 1180 | 780 | 115 | 4-Ø20 |
| SGW350-250G  | 840<br>1200<br>1440   | 26.57<br>20<br>13.51 | 90          | 80.4       | 6             | 1450    | 1020                 | 420 | 260 | 1370 | 655 | 615 | 1020 | 620 | 115 | 4-Ø20 |
| SGW350-250AG | 756<br>1080<br>1296   | 19.5<br>16<br>13.5   | 75          | 80.9       | 6             | 1450    | 1020                 | 420 | 260 | 1320 | 655 | 615 | 965  | 565 | 115 | 4-Ø20 |
| SGW350-315G  | 840<br>1200<br>1440   | 36<br>32<br>28       | 160         | 83.6       | 6.5           | 1450    | 1020                 | 420 | 260 | 1645 | 655 | 615 | 1215 | 815 | 115 | 4-Ø20 |
| SGW350-315AG | 784<br>1120<br>1344   | 32<br>28<br>25       | 132         | 82.8       | 6.5           | 1450    | 1020                 | 420 | 260 | 1585 | 655 | 615 | 1195 | 795 | 115 | 4-Ø20 |
| SGW350-315BG | 728<br>1040<br>1248   | 26.62<br>24<br>20.41 | 110         | 82         | 6.5           | 1450    | 1020                 | 420 | 260 | 1525 | 655 | 615 | 1110 | 710 | 115 | 4-Ø20 |
| SGW350-400G  | 840<br>1200<br>1440   | 55<br>50<br>45       | 250         | 84.1       | 7.5           | 1450    | 1085                 | 415 | 300 | 1890 | 790 | 740 | 1345 | 945 | 115 | 4-Ø20 |
| SGW350-400AG | 770<br>1100<br>1320   | 47.5<br>44<br>39     | 220         | 83.9       | 7.5           | 1450    | 1085                 | 415 | 300 | 1890 | 790 | 740 | 1345 | 945 | 115 | 4-Ø20 |
| SGW350-400BG | 700<br>1000<br>1200   | 41.5<br>38<br>34     | 200         | 83.7       | 7.5           | 1450    | 1085                 | 415 | 300 | 1690 | 770 | 730 | 1210 | 710 | 115 | 4-Ø20 |
| SGW350-400CG | 633.5<br>905<br>1086  | 35<br>31<br>28.5     | 160         | 83.3       | 7.5           | 1450    | 1085                 | 415 | 300 | 1690 | 770 | 730 | 1210 | 710 | 115 | 4-Ø20 |

## Minimum NPSH

### Calculation of minimum NPSH

If the pressure in pump is lower than the vapor pressure of the medium, cavitation will occur, thus affecting the performance of the pump. To avoid the cavitation and ensure that the pump inlet has a minimum pressure, maximum suction head (H, unit: m) should be calculated as follows:

$$H = P_b \times 10.2 - NPSH - H_f - H_v - H_s$$

**P<sub>b</sub>**: Atmospheric pressure, bar (In the closed pipeline system, it can be considered as the system pressure);

**NPSH**: Net positive suction head, m (Value at maximum flow of the -NPSH curve);

**H<sub>f</sub>**: Friction head loss in suction pipes (Value at maximum flow of the corresponding pipe);

**H<sub>v</sub>**: Vapor pressure of medium, m (Vaporization value of medium at corresponding temperature, the default medium is water, as shown in Figure 4 on the right);

**H<sub>s</sub>**: Safety margin, m, the general value is 0.5.

**Calculation result: If H is positive, the pump is installed in suction way; otherwise, it will be installed in downdraft way.**

It is not necessary to conduct the aforesaid calculation under general conditions. Only when we use the pump in the following situations do we need to calculate the H:

- Medium temperature is high
- The velocity of flow is larger than rated value
- Suction head is big or inlet pipeline is long
- System pressure is too low
- Inlet condition is poor

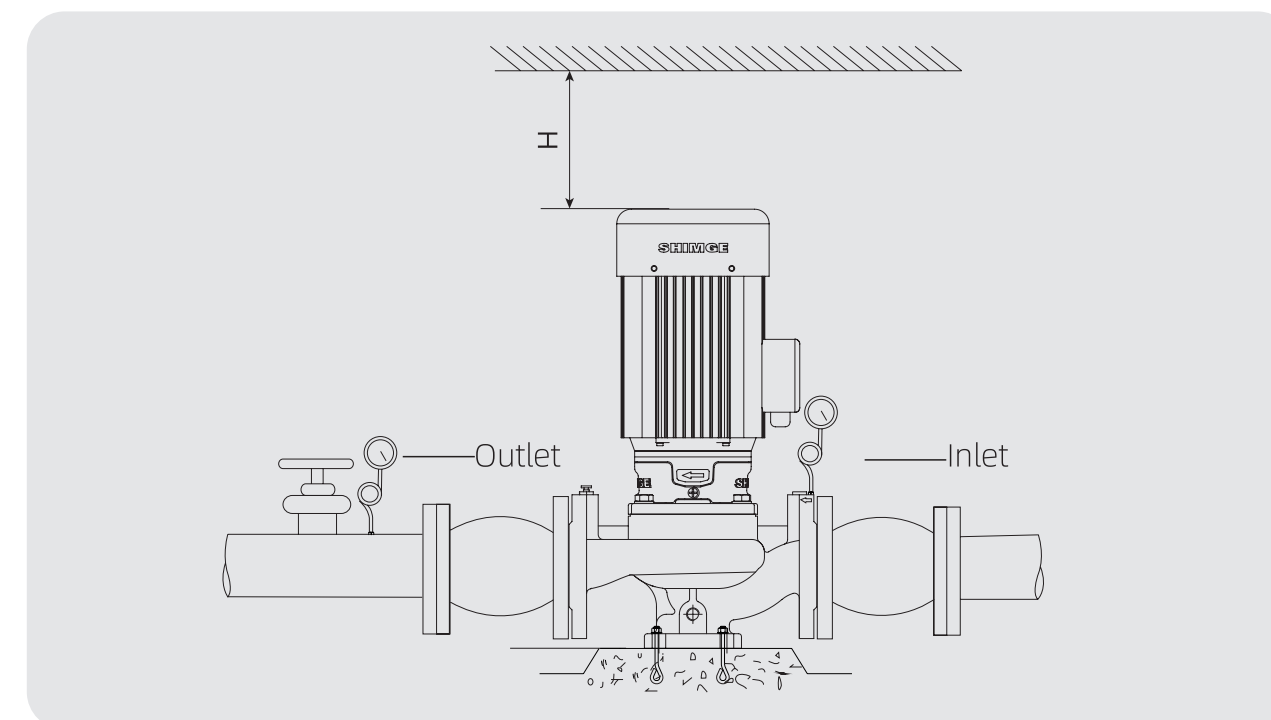
| T(°C) | H <sub>v</sub> (m) |
|-------|--------------------|
| 120   | 20                 |
| 110   | 15                 |
| 100   | 12                 |
| 90    | 10                 |
| 80    | 8.0                |
| 70    | 6.0                |
| 60    | 5.0                |
| 50    | 4.0                |
| 40    | 3.0                |
| 30    | 2.0                |
| 20    | 1.5                |
| 10    | 1.0                |
| 0     | 0.8                |
| -10   | 0.6                |
| -20   | 0.4                |
| -30   | 0.3                |
| -40   | 0.2                |
| -50   | 0.1                |

Figure 4

## Pump Installation Instructions

### Requirements for H in pump house spaces

- P2 ≤ 7.5kW, H must ensure that there is 500mm of airspace
- P2 ≥ 11kW, H must ensure that there is 1,500mm of airspace,
- Purpose: To ensure that the pump house has enough space, the ventilation system is scientific and conducive to the flow of air, which can meet the heat dissipation performance of the motor; meanwhile, it is convenient to maintain the operating space of the electric pump.

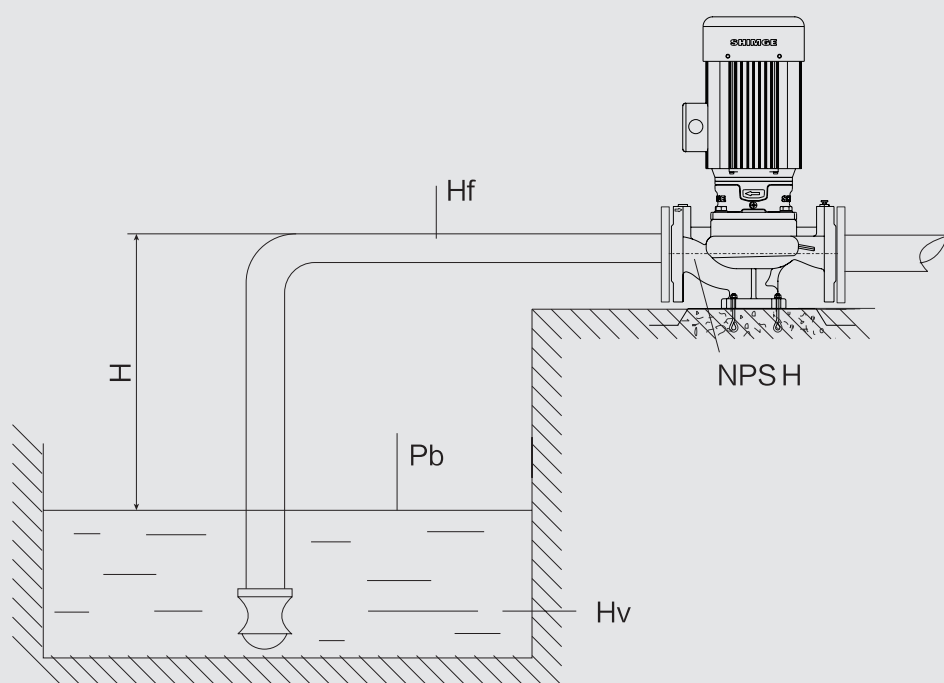


### Calculating cement base size of pump foundation

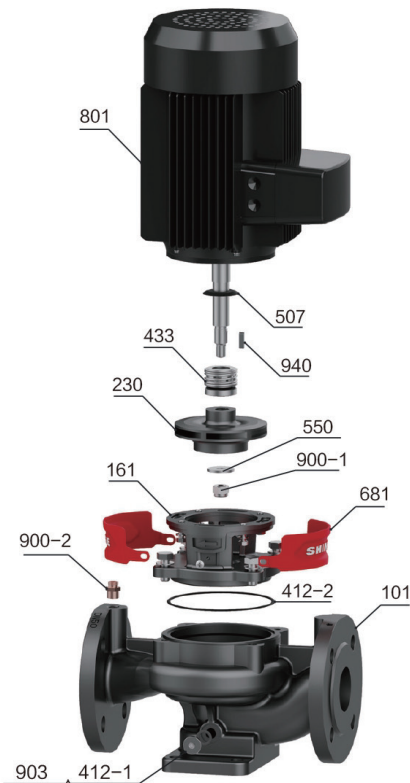
- According to the requirements of vibration and noise during the operation of the pump, it is recommended to install the electric pump on a cement base with reliable design calculation, and if possible, add vibration isolation pads between the pump and the base.
- For the determination of the base size, the base weight is at least 1.5~3 times the weight of the electric pump according to experience and the following formula is given for the reference:
- **Length:** L=2×pump length
- **Width:** B=L
- **Height:** h, the general value is 150~250mm
- **Suggestion:** 150mm for P2 ≤ 7.5kW, 200mm for 11 ≤ P2 ≤ 18.5kW, and 250mm for P2=22

### Reasonable arrangement of hydraulic components such as pipe fittings, valves and pressure gauges

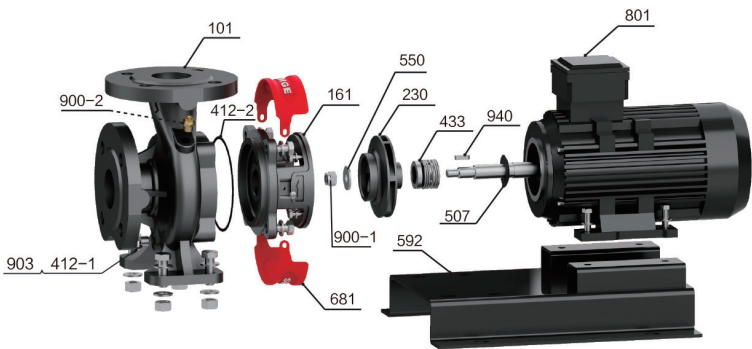
- The pump pipe should be designed as short as possible, with elbows and valves as few as possible, and the water inlet diameter should be at least one gear larger than the pump diameter. Please consult the professional design institute for details.



SGL-G



SGW-G



Motor wiring diagram

