

Pioneering for You

wilo

Wilo Philippines

Wilo – PSS Series

Stainless Steel Borehole Pump

Intelligent solutions for municipal water supply, water wells, agriculture, & industrial applications



wilo

“Top quality in
standard
applications”





Directly at the source Wilo PSS Series

Stainless Steel Borehole Pumps

The Wilo-PSS 4"6"8" and 10" product series include the new borehole range pump range with a stainless steel design form Wilo. In addition to water supply, this series made of stainless steel is suitable for many other applications. Thanks to the extensive bearing program in the range 4" & 6". They are quickly available.

Wilo PSS borehole pumps can be installed vertically or horizontally, depending on what's needed. Last but not the least the reduced weight ensures easy handling and installation. Thanks to the stable design, all units are very wear-resistant, even for high sand content up to 50mg/l. Long-lasting durability and high operating reliability are then guaranteed.

In addition to quality and safety, the cost factor is also decisive. With optimized hydraulics and increased efficiency and the option that all pumps of this series are suitable for frequency converters, they help lower the operating costs. Additional advantages such as the extensive range of accessories and a standardized hydraulics design in AISI 304, round off the high quality and versatile product portfolio of the Wilo-PSS series.

High efficiency and more reliability

Technical Data

- High Quality Thrust Bearing of the kingsbury type lubricated by the internal fluid.
- Removable plug-in lead cable
- Motor frame made out of AISI 304
- Shaft end made out of AISI 303
- Motor bracket made out of Cast Iron G20
- Bracket's cover made out of AISI 304
- Shaft sealing system granted by, sand slinger and lip seal
- Pressure equalizing diaphragm
- 6" NEMA flange
- Degree of protection: IP68
- Insulation: Class F
- Valve for restoring of cooling liquid

Operating range

- Water well temperature: max. 35°C
- Maximum starts per hour: 30
- Minimum flow rate speed: 0,15 m/s
- Mounting position: vertical/horizontal
- Liquid characteristics: pH from 6.5 to 8.0
- Service factor higher than 1 for 60 Hz motors
- Axial Thrust:

Motor

Three-phase motor for direct or star-delta start. Sealed, hermetically cast motor, resin-impregnated, with enamel-insulated winding or rewirable motor with PVC-insulated winding, self-lubricating bearing, with water-glycol filling.

Hydraulics

Multistage submersible-motor pump with 6/8" NEMA- or from 10" and larger with standardized connection and semi-axial impellers in sectional construction. Integrated non-return valve. All parts that come in contact with fluid are made of corrosion-free materials.

Pressure shroud

The pressure shroud is used for the direct installation of the unit in the pipe system. Standard models are without mounted non-return valves. The maximum inlet pressure is 10 bar.

Options

- Hydraulics in 1.4401 stainless steel
- Motor in stainless steel 1.4401, 1.4571 or G-CuSn10
- Star/delta starting
- Rewindable motor
- Rewindable motor with drinking water filling as special version.

Cooling

The motor is cooled by the pumped fluid. The motor must always be immersed when operated. The limit values for maximum fluid temperature and minimum flow velocity must be adhered to. Vertical installation is possible with or without cooling jacket. Horizontal installation must be performed in conjunction with a cooling jacket.

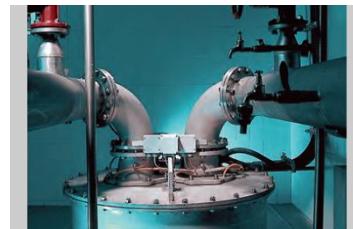


Water extraction

Solutions for every field of application.

Wells and sumps

When pumping ground water out of drilled wells, the installation depth and productivity determine which pumps are used. The wide spectrum of Wilo borehole pumps range are also matched to all common well diameters, guaranteeing optimal pumping operation.



Lakes and dams

Among other things, barrages are distinguished by the changing water level of natural lakes, which generally have small water level fluctuations. Wilo offers you solutions at the best possible efficiently to minimize energy costs and with high-grade materials for long, maintenance-free pump operation.



Rivers and oceans

River water and seawater require the use of resistant materials due to contaminants, sand content and salinity. Wilo meets these requirements by using the most modern materials and advanced technology.



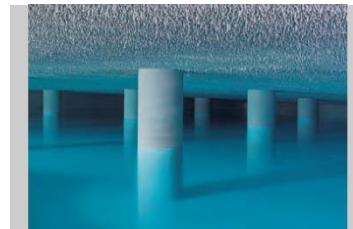
Water control

Water control/ground water drawdowns put a wide range of requirements on pumps and systems, for example, pumping off low water levels. Whether in water treatment plants or water reservoirs, with Wilo pumps, it is possible to realize purposeful and efficient solutions



Ground and potable water

Ground water is used in many different ways. After treating the raw water according to the requirements of potable water system. For this, Wilo offers pumps with a wide range of motor powers, delivery heads and volume flows. In addition, our borehole pumps can be installed horizontally as well as vertically in basins and tanks



Rainwater

Water is becoming more and more scarce. Only a small portion (less than 1%) of all freshwater resources is available as surface water in lakes and rivers. This is alarming just from an ecological point of view, and requires that this vital resource be handled responsibly. Moreover, the shortage also has economic consequences, of course, which can be seen from the continuous increase in the price of water. Wilo offers innovative water supply solutions with rainwater utilization systems.



Wilo – PSS Series

The resistant One



Design : Multistage submersible borehole pump

Application :

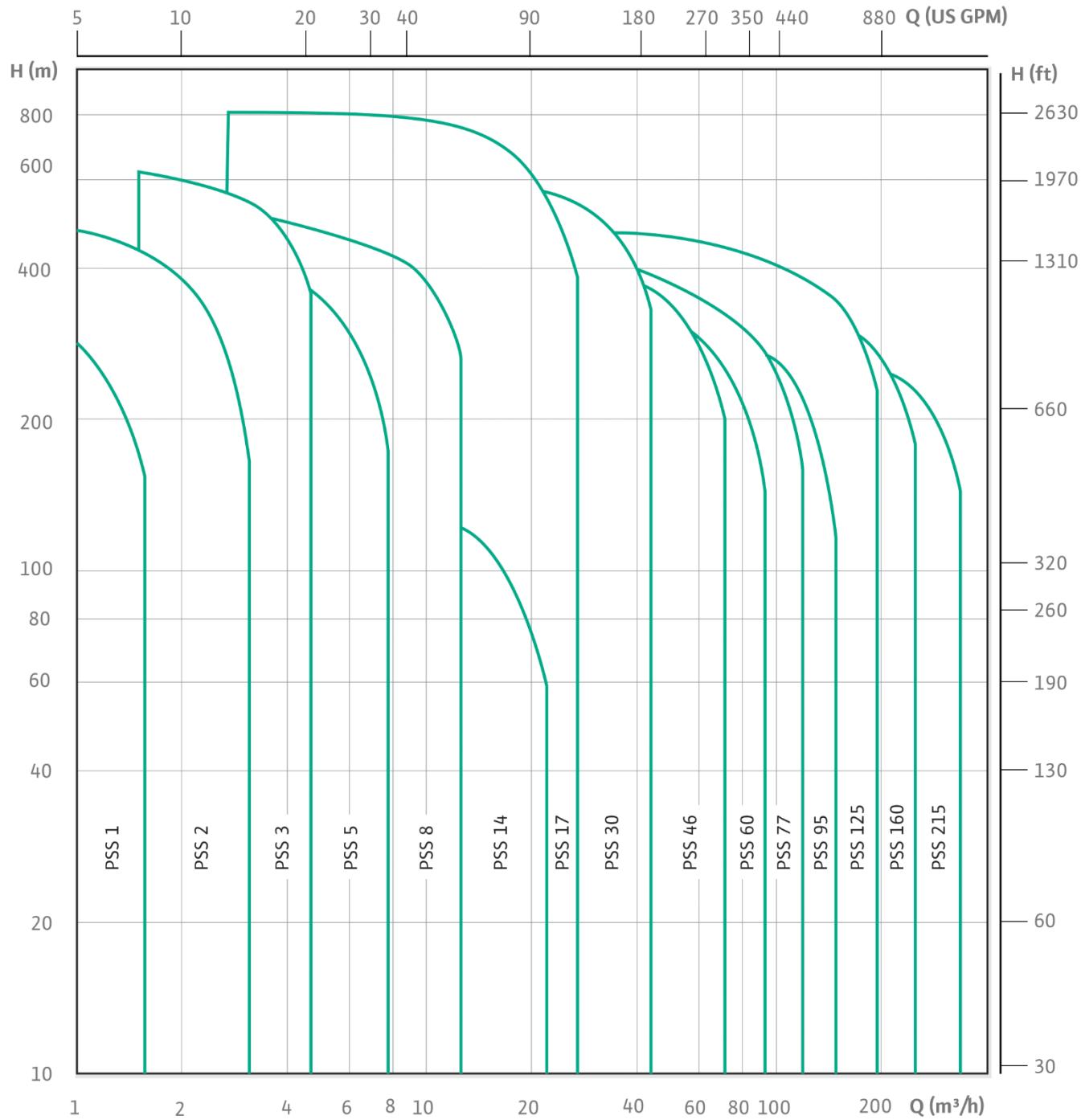
- For water and drinking water supply from boreholes and rainwater storage
- Process water supply
- For municipal water supply, sprinkling and irrigation
- Pressure boosting
- Lowering the water level
- For pumping water in industrial applications
- For pumping water without long-fibre and abrasive constituents

Special features/product advantages

- Optimized hydraulics with efficiency of up to 80%.
- Long service thanks to corrosion-resistant stainless steel, optionally in V4A quality
- ACS certified for domestic hot water applications
- High range of performance from 1 to 250 m³/h
- A high degree of flexibility thanks to versions in the 4,6,8 and 10-inch area
- Easy maintenance due to quick installation and dismantling

Performance range

60Hz



Wilo – PSS Series – Submersible Borehole Pumps

Design

Multistage 4"-10" submersible pump in tie strap version for vertical or horizontal installation

Type key (Pump model)

E.g. PSS-46-2-AB

PSS Pump Submersible Stainless steel
46 Rated Capacity (m³/h)
2 Number of Impeller stage
AB Impeller type as per diameter : A,B,C

Type key (Motor model)

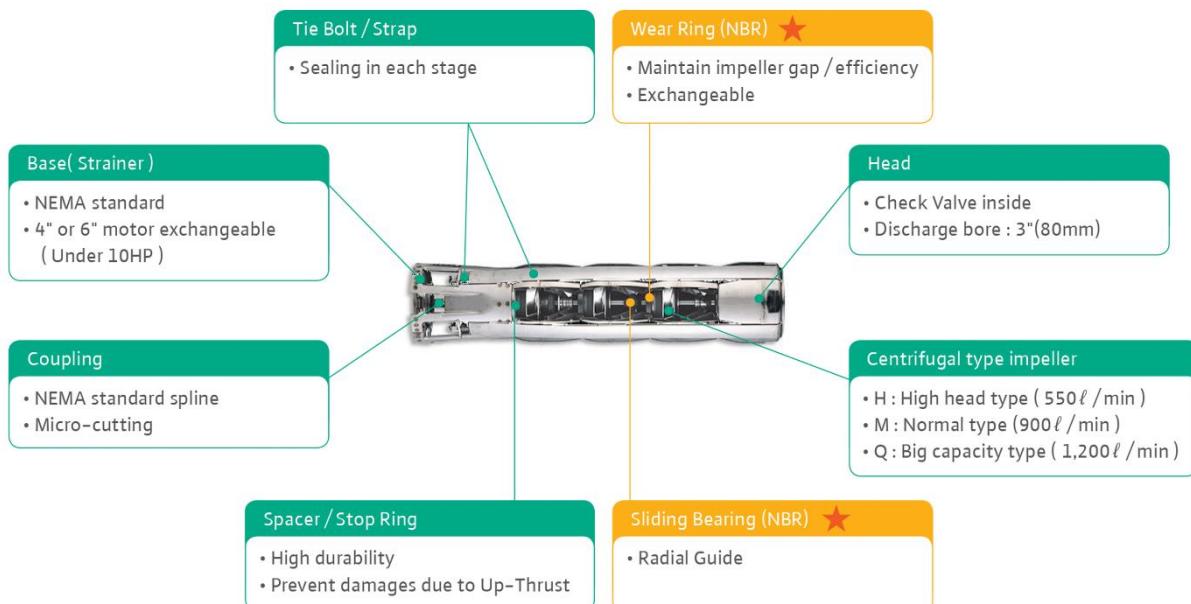
E.g. MS4-05-3-3

MS Motor Series (4"-6"); NU (6"-10")
4 Size of motor
05 Motor rating in HP/10
3 Motor Phase
3 Voltage
(“1” for 230V, “2” for 380V, “3” for 460V)

Technical Data

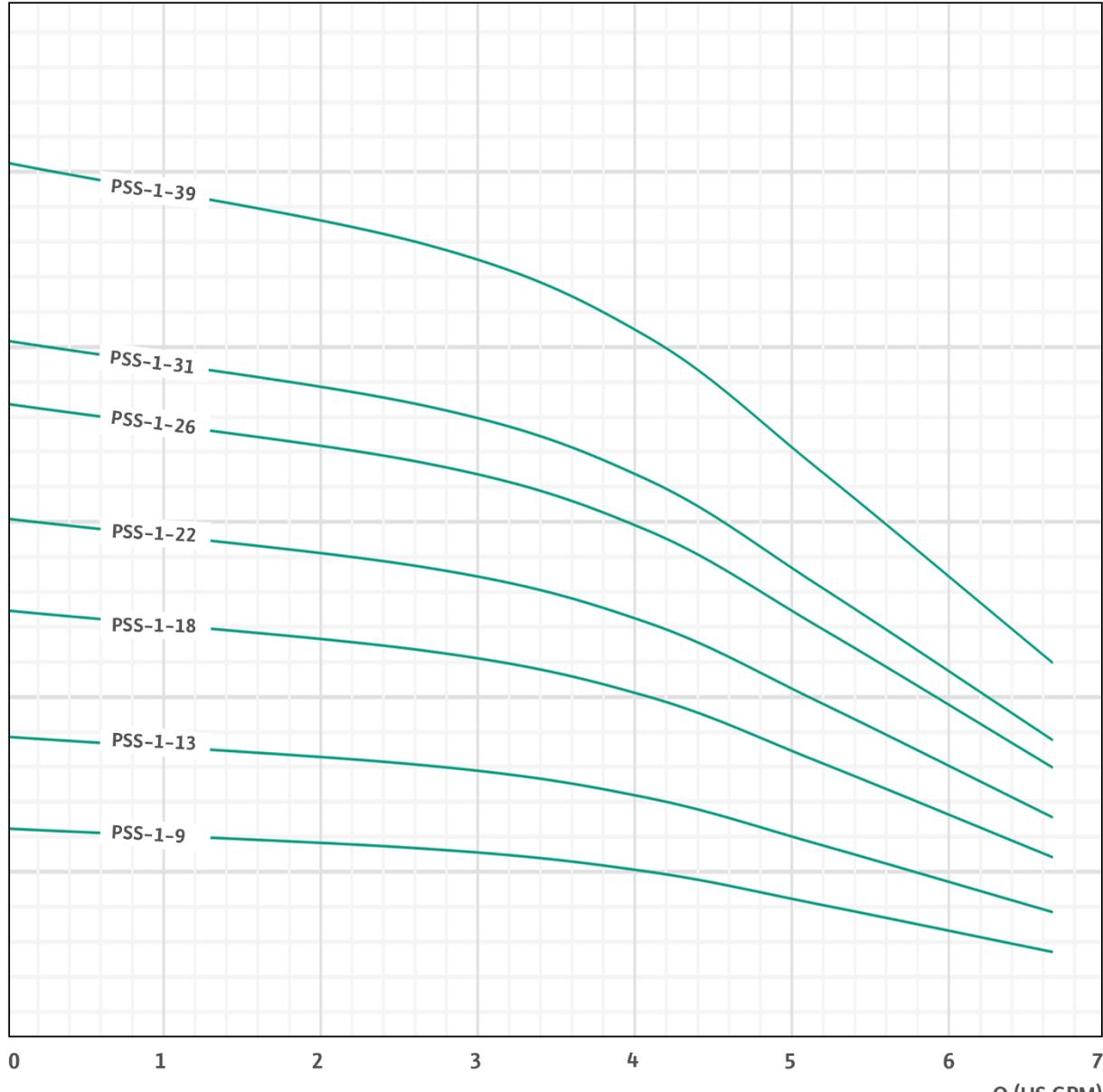
- Mains connection : 1~230V, 60Hz
3~230/380/460, 60Hz
- Submerged operating mode : S1
- Fluid temperature :
- Minimum motor flow:
 - Hermetically cast motors : 3-20°C or 3-30°C (depending on type)
 - Rewindable motors (SD-R): 3-30°C (depending on type)
- Minimum motor flow : 0.1-0.5m/s (depending on type)
- Max. sand content : 50 g/m³
- Max. number of starts : 10-20/h (depending on type)
- Max. immersion depth: 100-350 m (depending on type)
- Protection class : IP 68

All Stainless Steel material for hydraulics (except for) ★



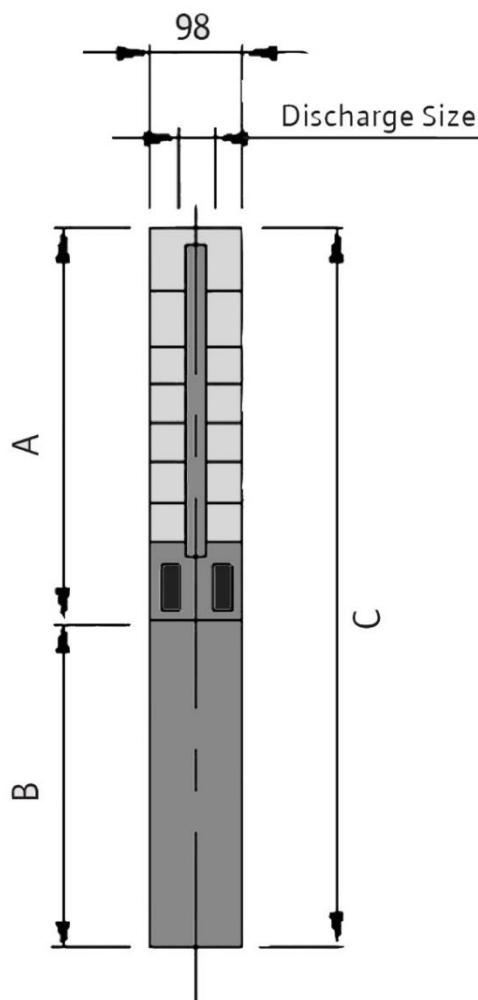
PSS-1 Series**Performance curve**

Wilo – PSS Series ~ 4"

H(ft)**1,200****1000****800****600****400****200****0****(%) Efficiency****40****30****20****10****0****Q (US GPM)**

PSS-1 Series**Technical data**

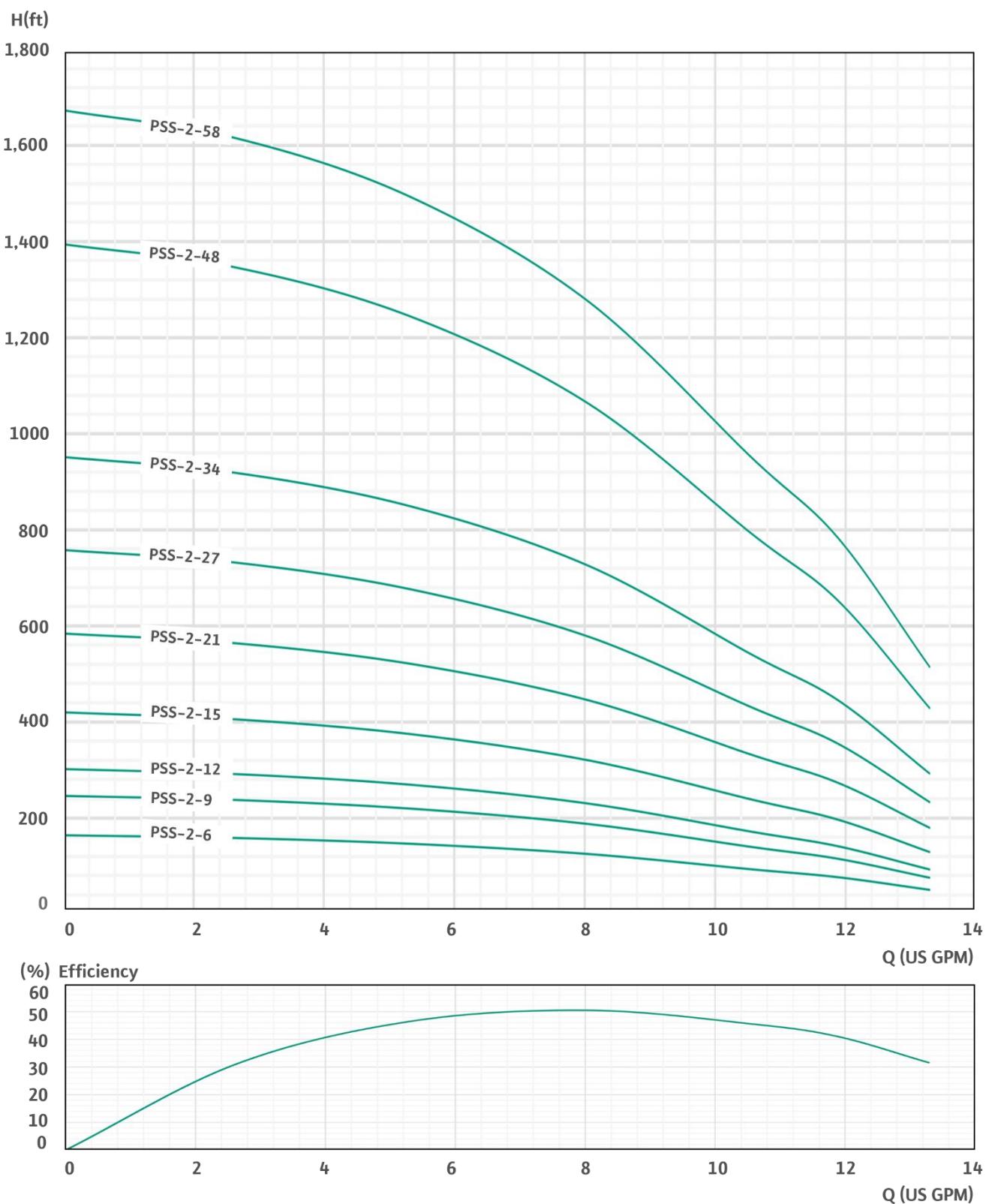
| Dimension and weight | | | | | | | | | 60Hz |
|----------------------|---------------|-------------|------|--------------|-------------|-----------|-----|------|--------------|
| Model | Motor Wilo | Rated power | | Power Source | | Dimension | | | Weight Kg |
| | | kW | HP | Phase | Voltage | A | B | C | |
| PSS-1-9 | MS4-05-1 | 0.37 | 0.5 | 1 | 230 | 356 | 250 | 606 | 9.7 |
| PSS-1-9 | MS4-05-3 | 0.37 | 0.5 | 3 | 230/380/460 | 356 | 235 | 591 | 8.7 |
| PSS-1-13 | MS4-05-1 | 0.37 | 0.5 | 1 | 230 | 440 | 250 | 690 | 10.4 |
| PSS-1-13 | MS4-05-3 | 0.37 | 0.5 | 3 | 230/380/460 | 440 | 235 | 675 | 9.4 |
| PSS-1-18 | MS4-07-1 | 0.55 | 0.75 | 1 | 230 | 545 | 265 | 810 | 12.5 |
| PSS-1-18 | MS4-07-3 | 0.55 | 0.75 | 3 | 230/380/460 | 545 | 250 | 795 | 11.4 |
| PSS-1-22 | MS4-10-1 | 0.75 | 1 | 1 | 230 | 629 | 295 | 924 | 15.7 |
| PSS-1-22 | MS4-10-3 | 0.75 | 1 | 3 | 230/380/460 | 629 | 265 | 894 | 13.4 |
| PSS-1-26 | MS4-15-1 | 1.1 | 1.5 | 1 | 230 | 713 | 340 | 1053 | 17.0 |
| PSS-1-26 | MS4-15-3 | 1.1 | 1.5 | 3 | 230/380/460 | 713 | 295 | 1008 | 16.7 |
| PSS-1-31 | MS4-15-1 | 1.1 | 1.5 | 1 | 230 | 841 | 340 | 1181 | 20.0 |
| PSS-1-31 | MS4-15-3 | 1.1 | 1.5 | 3 | 230/380/460 | 841 | 295 | 1136 | 19.7 |
| PSS-1-39 | MS4-20-1 | 1.5 | 2 | 1 | 230 | 1009 | 375 | 1384 | 25.1 |
| PSS-1-39 | MS4-20-3 | 1.5 | 2 | 3 | 230/380/460 | 1009 | 340 | 1349 | 22.5 |



- The minimum diameter of well is 106mm
- 98mm is the maximum diameter of pump including cable guard and motor.
- Discharge bore size : 1 1/4" (32mm)

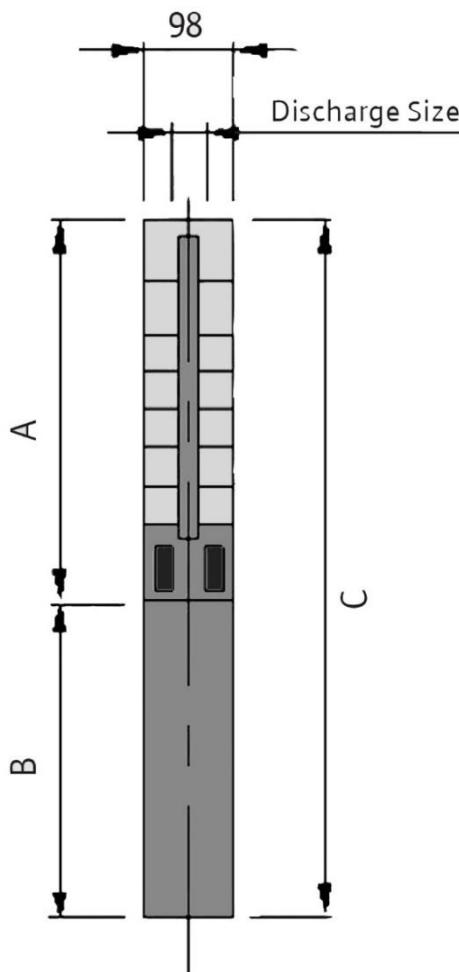
PSS-2 Series**Performance curve**

Wilo – PSS Series ~ 4"



PSS-2 Series**Technical data**

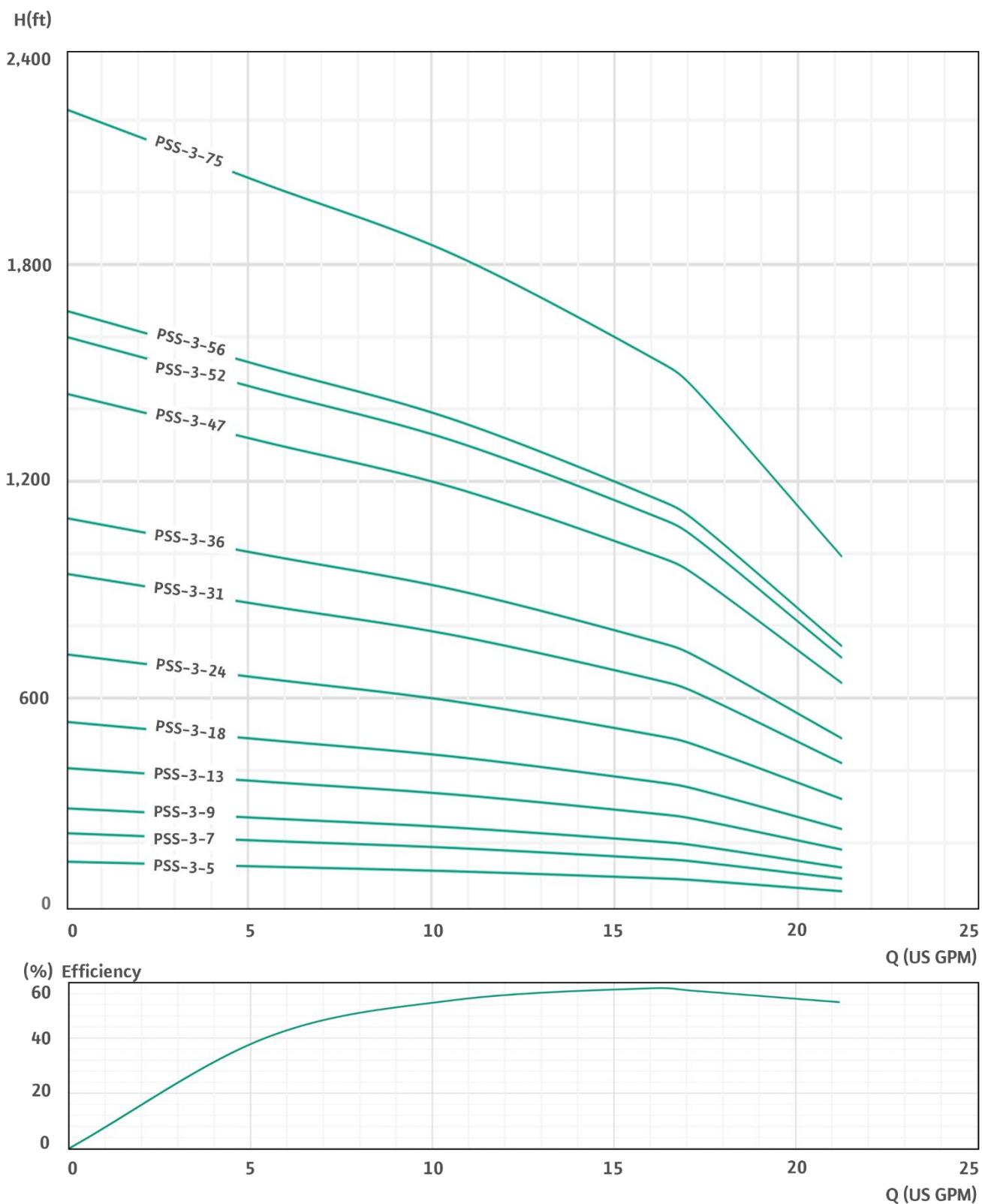
| Dimension and weight | | | | | | | | | 60Hz |
|----------------------|---------------|-------------|------|--------------|-------------|-----------|-----|------|--------------|
| Model | Motor Wilo | Rated power | | Power Source | | Dimension | | | Weight Kg |
| | | kW | HP | Phase | Voltage | A | B | C | |
| PSS-2-6 | MS4-05-1 | 0.37 | 0.5 | 1 | 230 | 293 | 250 | 543 | 9.2 |
| PSS-2-6 | MS4-05-3 | 0.37 | 0.5 | 3 | 230/380/460 | 293 | 235 | 528 | 8.2 |
| PSS-2-9 | MS4-05-1 | 0.37 | 0.5 | 1 | 230 | 356 | 250 | 606 | 9.8 |
| PSS-2-9 | MS4-05-3 | 0.37 | 0.5 | 3 | 230/380/460 | 356 | 235 | 591 | 8.8 |
| PSS-2-12 | MS4-07-1 | 0.55 | 0.75 | 1 | 230 | 419 | 265 | 684 | 11.7 |
| PSS-2-12 | MS4-07-3 | 0.55 | 0.75 | 3 | 230/380/460 | 419 | 250 | 669 | 10.6 |
| PSS-2-15 | MS4-10-1 | 0.75 | 1 | 1 | 230 | 482 | 295 | 777 | 14.8 |
| PSS-2-15 | MS4-10-3 | 0.75 | 1 | 3 | 230/380/460 | 482 | 265 | 747 | 12.5 |
| PSS-2-21 | MS4-15-1 | 1.1 | 1.5 | 1 | 230 | 608 | 340 | 948 | 16.5 |
| PSS-2-21 | MS4-15-3 | 1.1 | 1.5 | 3 | 230/380/460 | 608 | 295 | 903 | 16.2 |
| PSS-2-27 | MS4-20-1 | 1.5 | 2 | 1 | 230 | 734 | 375 | 1109 | 20.4 |
| PSS-2-27 | MS4-20-3 | 1.5 | 2 | 3 | 230/380/460 | 734 | 340 | 1074 | 17.8 |
| PSS-2-34 | MS4-30-1 | 2.2 | 3 | 1 | 230 | 904 | 430 | 1334 | 26.4 |
| PSS-2-34 | MS4-30-3 | 2.2 | 3 | 3 | 230/380/460 | 904 | 375 | 1279 | 24.2 |
| PSS-2-48 | MS4-55-3 | 4 | 5.5 | 3 | 230/380/460 | 1198 | 555 | 1753 | 37.0 |
| PSS-2-58 | MS4-55-3 | 4 | 5.5 | 3 | 230/380/460 | 1408 | 555 | 1963 | 40.2 |



- The minimum diameter of well is 106mm
- 98mm is the maximum diameter of pump including cable guard and motor.
- Discharge bore size : 1 1/4" (32mm)

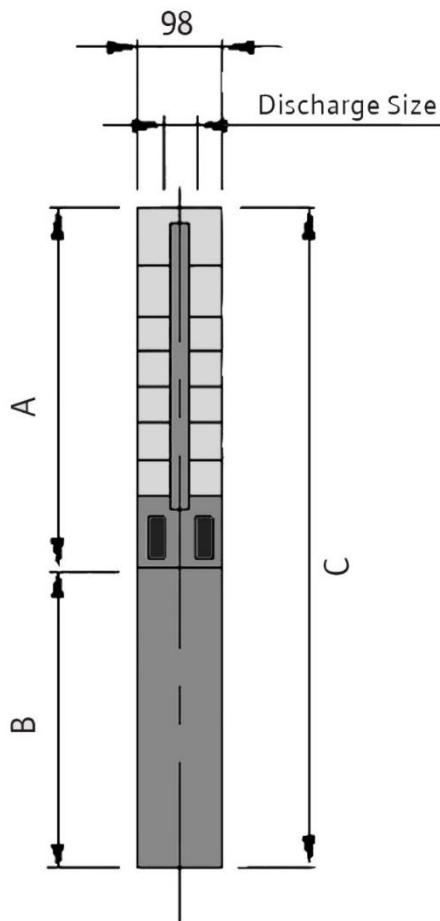
PSS-3 Series**Performance curve**

Wilo – PSS Series ~ 4"



PSS-3 Series**Technical data**

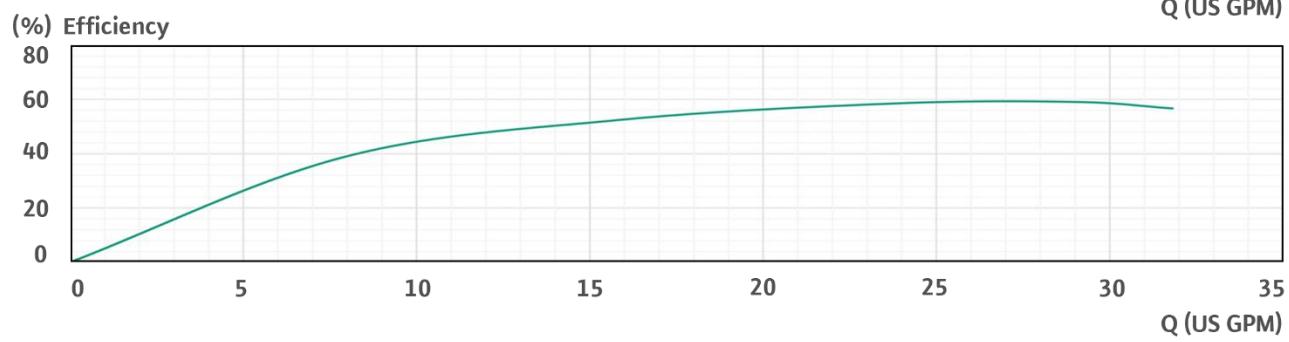
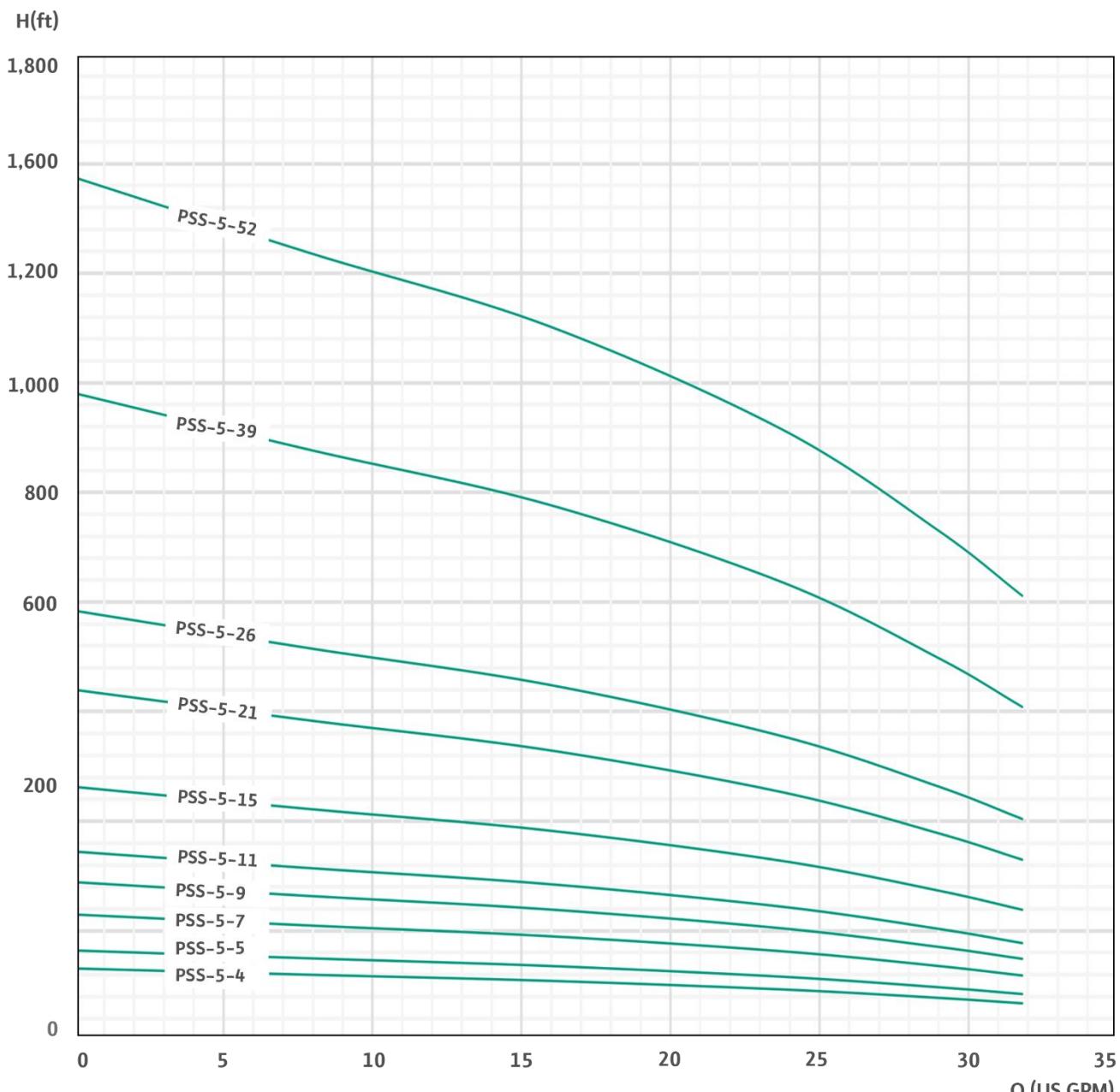
| Dimension and weight | | | | | | | | | 60Hz |
|----------------------|---------------|-------------|------|--------------|-------------|-----------|-----|------|--------------|
| Model | Motor Wilo | Rated power | | Power Source | | Dimension | | | Weight Kg |
| | | kW | HP | Phase | Voltage | A | B | C | |
| PSS-3-5 | MS4-05-1 | 0.37 | 0.5 | 1 | 230 | 272 | 250 | 522 | 9.1 |
| PSS-3-5 | MS4-05-3 | 0.37 | 0.5 | 3 | 230/380/460 | 272 | 235 | 507 | 8.1 |
| PSS-3-7 | MS4-07-1 | 0.55 | 0.75 | 1 | 230 | 314 | 265 | 579 | 10.7 |
| PSS-3-7 | MS4-07-3 | 0.55 | 0.75 | 3 | 230/380/460 | 314 | 250 | 564 | 9.6 |
| PSS-3-9 | MS4-10-1 | 0.75 | 1 | 1 | 230 | 356 | 295 | 651 | 13.6 |
| PSS-3-9 | MS4-10-3 | 0.75 | 1 | 3 | 230/380/460 | 356 | 265 | 621 | 11.3 |
| PSS-3-13 | MS4-15-1 | 1.1 | 1.5 | 1 | 230 | 440 | 340 | 780 | 15.0 |
| PSS-3-13 | MS4-15-3 | 1.1 | 1.5 | 3 | 230/380/460 | 440 | 295 | 735 | 14.7 |
| PSS-3-17 | MS4-20-1 | 1.5 | 2 | 1 | 230 | 524 | 375 | 899 | 18.5 |
| PSS-3-17 | MS4-20-3 | 1.5 | 2 | 3 | 230/380/460 | 524 | 340 | 864 | 15.9 |
| PSS-3-23 | MS4-30-1 | 2.2 | 3 | 1 | 230 | 650 | 430 | 1080 | 22.1 |
| PSS-3-23 | MS4-30-3 | 2.2 | 3 | 3 | 230/380/460 | 650 | 375 | 1025 | 19.9 |
| PSS-3-31 | MS4-50-1 | 3.7 | 5 | 1 | 230 | 841 | 675 | 1516 | 38.5 |
| PSS-3-31 | MS4-55-3 | 4 | 5.5 | 3 | 230/380/460 | 841 | 555 | 1396 | 32.6 |
| PSS-3-38 | MS4-55-3 | 4 | 5.5 | 3 | 230/380/460 | 988 | 555 | 1543 | 34.9 |
| PSS-3-56 | MS4-75-3 | 5.5 | 7.5 | 3 | 230/380/460 | 1366 | 675 | 2041 | 45.4 |
| PSS-3-75 | MS6-100-3 | 7.5 | 10 | 3 | 230/380/460 | 1765 | 685 | 2450 | 70.3 |



- The minimum diameter of well is 106mm
- 98mm is the maximum diameter of pump including cable guard and motor.
- Discharge bore size : 1 1/4" (32mm)

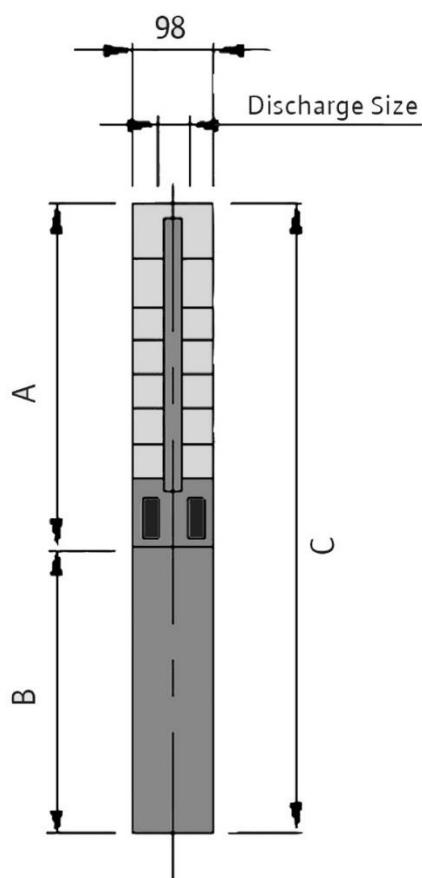
PSS-5 Series**Performance curve**

Wilo – PSS Series ~ 4"



PSS-5 Series**Technical data**

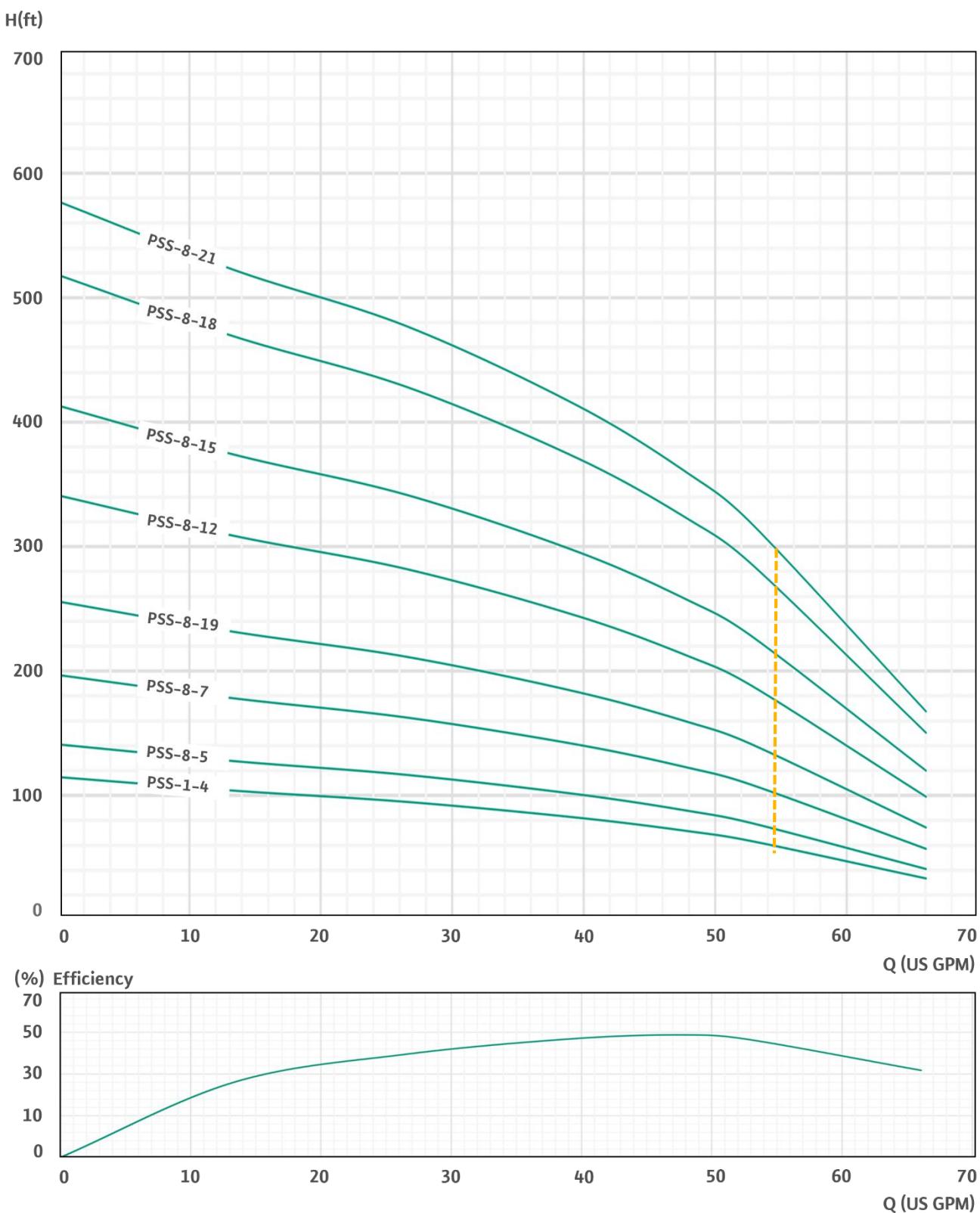
| Model | Motor Wilo | 60Hz | | | | | | | |
|----------|---------------|-------------|------|--------------|-------------|-----------|-----|------|--------|
| | | Rated power | | Power Source | | Dimension | | | Weight |
| | | kW | HP | Phase | Voltage | A | B | C | Kg |
| PSS-5-4 | MS4-05-1 | 0.37 | 0.5 | 1 | 230 | 251 | 250 | 501 | 8.8 |
| PSS-5-4 | MS4-05-3 | 0.37 | 0.5 | 3 | 230/380/460 | 251 | 235 | 486 | 7.8 |
| PSS-5-5 | MS4-07-1 | 0.55 | 0.75 | 1 | 230 | 272 | 265 | 537 | 10.3 |
| PSS-5-5 | MS4-07-3 | 0.55 | 0.75 | 3 | 230/380/460 | 272 | 250 | 522 | 9.2 |
| PSS-5-7 | MS4-10-1 | 0.75 | 1 | 1 | 230 | 314 | 295 | 609 | 13.2 |
| PSS-5-7 | MS4-10-3 | 0.75 | 1 | 3 | 230/380/460 | 314 | 265 | 579 | 10.9 |
| PSS-5-9 | MS4-15-1 | 1.1 | 1.5 | 1 | 230 | 356 | 340 | 696 | 14.2 |
| PSS-5-9 | MS4-15-3 | 1.1 | 1.5 | 3 | 230/380/460 | 356 | 295 | 651 | 13.9 |
| PSS-5-11 | MS4-20-1 | 1.5 | 2 | 1 | 230 | 398 | 375 | 773 | 17.4 |
| PSS-5-11 | MS4-20-3 | 1.5 | 2 | 3 | 230/380/460 | 398 | 340 | 738 | 14.8 |
| PSS-5-15 | MS4-30-1 | 2.2 | 3 | 1 | 230 | 482 | 430 | 912 | 20.5 |
| PSS-5-15 | MS4-30-3 | 2.2 | 3 | 3 | 230/380/460 | 482 | 375 | 857 | 18.3 |
| PSS-5-21 | MS4-50-1 | 3.7 | 5 | 1 | 230 | 608 | 675 | 1283 | 34.6 |
| PSS-5-21 | MS4-55-3 | 4 | 5.5 | 3 | 230/380/460 | 608 | 555 | 1163 | 28.7 |
| PSS-5-26 | MS4-50-1 | 3.7 | 5 | 1 | 230 | 713 | 675 | 1388 | 35.5 |
| PSS-5-26 | MS4-55-3 | 4 | 5.5 | 3 | 230/380/460 | 713 | 555 | 1268 | 29.6 |
| PSS-5-39 | MS4-75-3 | 5.5 | 7.5 | 3 | 230/380/460 | 994 | 675 | 1669 | 40.5 |
| PSS-5-52 | MS6-100-3 | 7.5 | 10 | 3 | 230/380/460 | 1267 | 685 | 1952 | 63.7 |



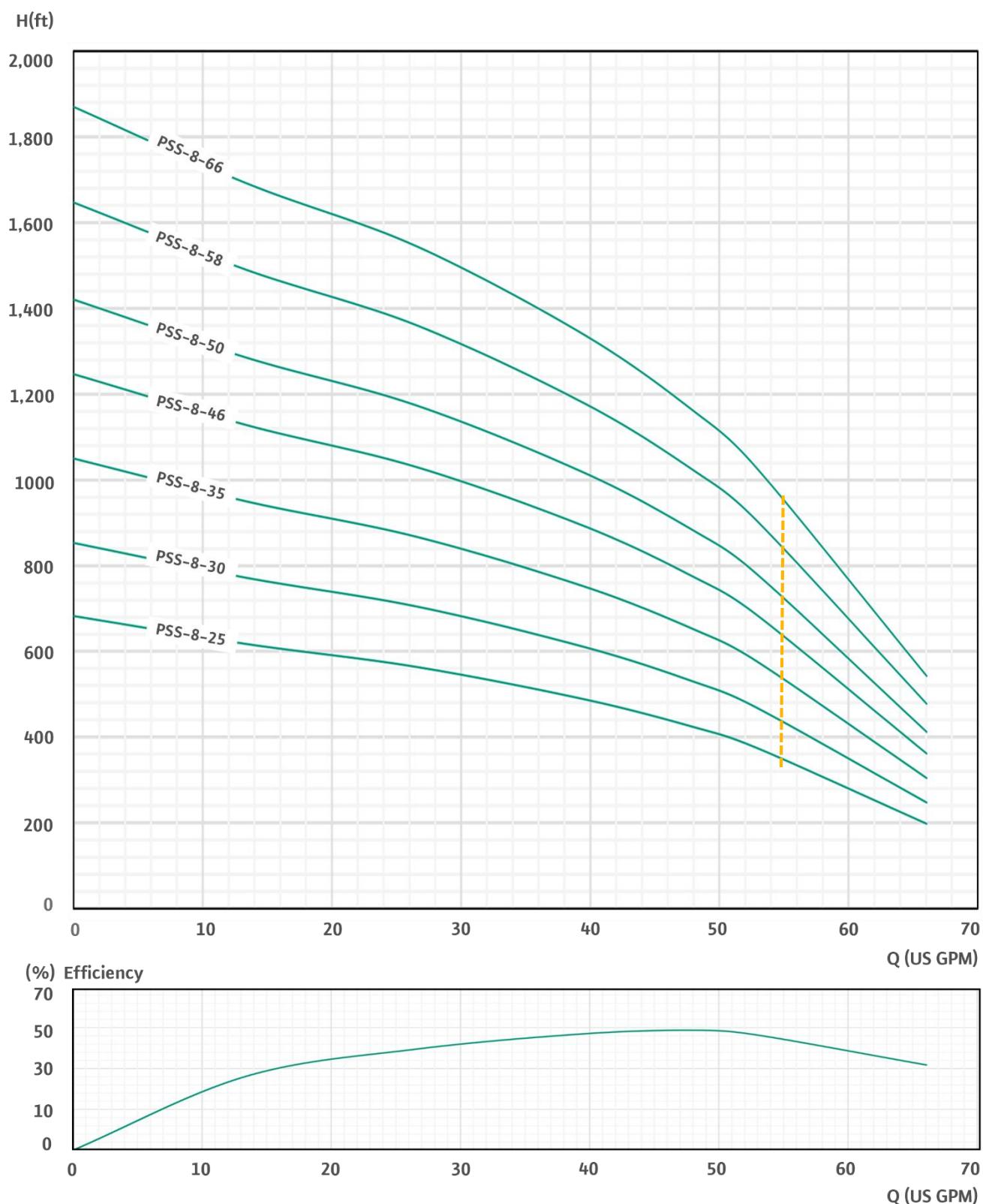
- The minimum diameter of well is 106mm
- 98mm is the maximum diameter of pump including cable guard and motor.
- Discharge bore size : 1 ½" (40mm)

PSS-8 Series**Performance curve**

Wilo – PSS Series ~ 4"



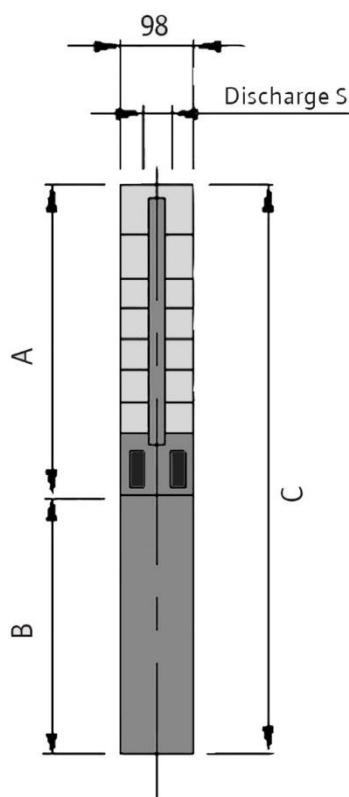
Note : Selecting beyond dotted line is not recommended.

PSS-8 Series**Performance curve**

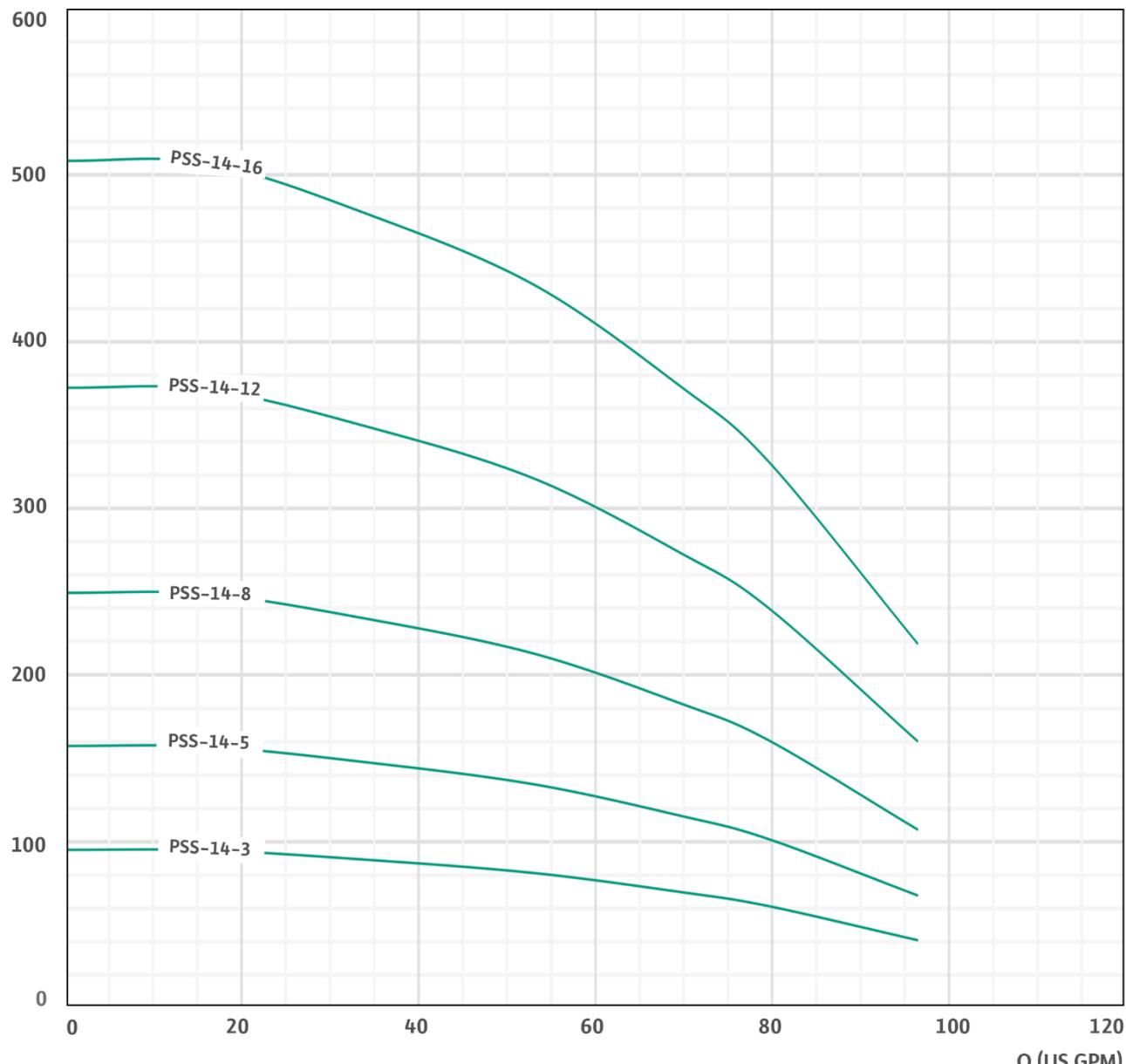
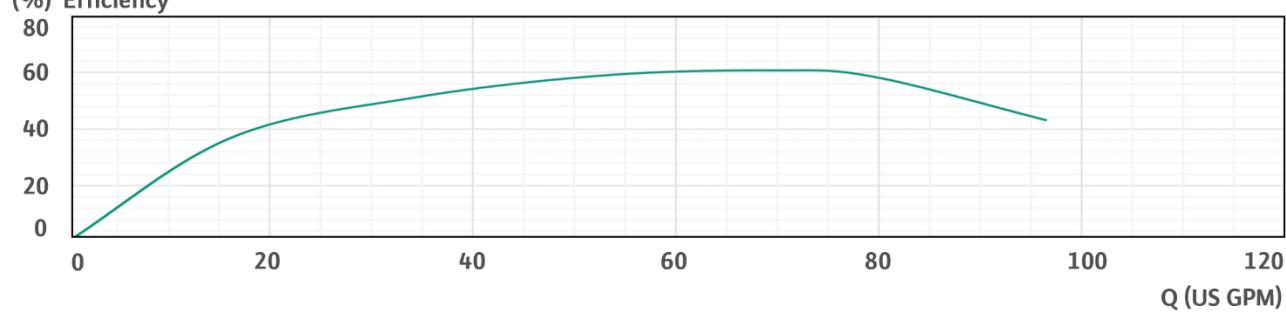
Note : Selecting beyond dotted line is not recommended.

PSS-8 Series**Technical data**

| Dimension and weight | | | | | | | | | 60Hz |
|----------------------|---------------|-------------|-----|--------------|-------------|-----------|-----|------|--------|
| Model | Motor Wilo | Rated power | | Power Source | | Dimension | | | Weight |
| | | kW | HP | Phase | Voltage | A | B | C | Kg |
| PSS-8-4 | MS4-10-1 | 0.75 | 1 | 1 | 230 | 370 | 295 | 665 | 14.4 |
| PSS-8-4 | MS4-10-3 | 0.75 | 1 | 3 | 230/380/460 | 370 | 265 | 635 | 12.1 |
| PSS-8-5 | MS4-15-1 | 1.1 | 1.5 | 1 | 230 | 412 | 340 | 752 | 15.5 |
| PSS-8-5 | MS4-15-3 | 1.1 | 1.5 | 3 | 230/380/460 | 412 | 295 | 707 | 15.2 |
| PSS-8-7 | MS4-20-1 | 1.5 | 2 | 1 | 230 | 496 | 375 | 871 | 19.3 |
| PSS-8-7 | MS4-20-3 | 1.5 | 2 | 3 | 230/380/460 | 496 | 340 | 836 | 16.7 |
| PSS-8-9 | MS4-30-1 | 2.2 | 3 | 1 | 230 | 580 | 430 | 1010 | 22.7 |
| PSS-8-9 | MS4-30-3 | 2.2 | 3 | 3 | 230/380/460 | 580 | 375 | 955 | 20.5 |
| PSS-8-12 | MS4-50-1 | 3.7 | 5 | 1 | 230 | 706 | 675 | 1381 | 37.1 |
| PSS-8-12 | MS4-40-3 | 3 | 4 | 3 | 230/380/460 | 706 | 480 | 1186 | 26.1 |
| PSS-8-15 | MS4-50-1 | 3.7 | 5 | 1 | 230 | 832 | 675 | 1507 | 38.6 |
| PSS-8-15 | MS4-55-3 | 4 | 5.5 | 3 | 230/380/460 | 832 | 555 | 1387 | 32.7 |
| PSS-8-21 | MS4-75-3 | 5.5 | 7.5 | 3 | 230/380/460 | 1084 | 675 | 1759 | 41.7 |
| PSS-8-25 | MS4-75-3 | 5.5 | 7.5 | 3 | 230/380/460 | 1252 | 675 | 1927 | 43.7 |
| PSS-8-30 | MS6-100-3 | 7.5 | 10 | 3 | 230/380/460 | 1459 | 685 | 2144 | 66.8 |
| PSS-8-37 | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 1819 | 760 | 2579 | 78.2 |
| PSS-8-44 | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 2113 | 760 | 2873 | 81.8 |
| PSS-8-50 | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 2365 | 800 | 3165 | 88.8 |
| PSS-8-58 | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 3006 | 800 | 3806 | 122 |
| PSS-8-66 | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 3342 | 800 | 4142 | 129 |

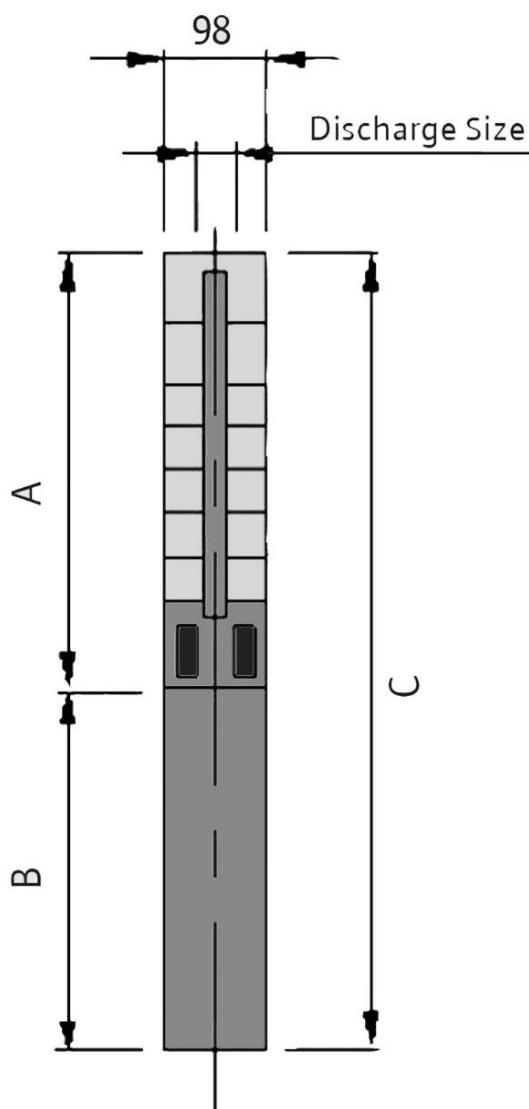


- The minimum diameter of well is 106mm
- 98mm is the maximum diameter of pump including cable guard and motor.
- Discharge bore size : 2" (50mm)

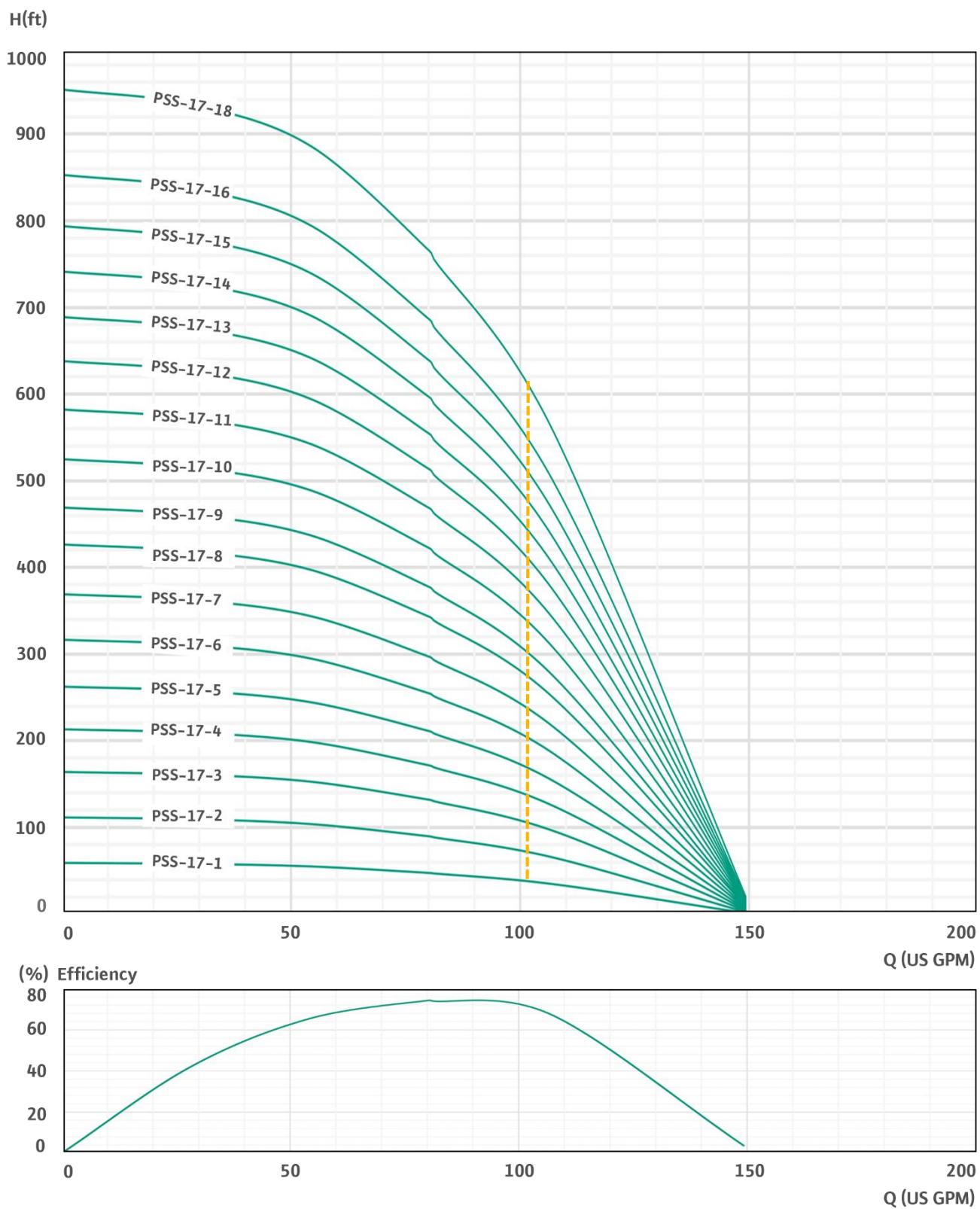
PSS-14 Series**Performance curve****H(ft)****(%) Efficiency**

PSS-14 Series**Technical data**

| Dimension and weight | | | | | | | | | 60Hz |
|----------------------|---------------|-------------|-----|--------------|-----------------|-----------|-----|------|--------|
| Model | Motor Wilo | Rated power | | Power Source | | Dimension | | | Weight |
| | | kW | HP | Phase | Voltage | A | B | C | Kg |
| PSS-14-3 | MS4-20-1 | 1.5 | 2 | 1 | 230 | 375 | 375 | 750 | 17.7 |
| PSS-14-3 | MS4-20-3 | 1.5 | 2 | 3 | 230 / 380 / 460 | 375 | 340 | 715 | 15.1 |
| PSS-14-5 | MS4-30-1 | 2.2 | 3 | 1 | 230 | 505 | 430 | 935 | 21.4 |
| PSS-14-5 | MS4-30-3 | 2.2 | 3 | 3 | 230 / 380 / 460 | 505 | 375 | 880 | 19.2 |
| PSS-14-8 | MS4-50-1 | 3.7 | 5 | 1 | 230 | 700 | 675 | 1375 | 36.3 |
| PSS-14-8 | MS4-55-3 | 4 | 5.5 | 3 | 230 / 380 / 460 | 700 | 555 | 1255 | 30.4 |
| PSS-14-12 | MS4-75-3 | 5.5 | 7.5 | 3 | 230 / 380 / 460 | 960 | 675 | 1635 | 38.9 |
| PSS-14-16 | MS6-100-3 | 7.5 | 10 | 3 | 230 / 380 / 460 | 1220 | 685 | 1905 | 62.1 |
| PSS-14-24 | MS6-150-3 | 11 | 15 | 3 | 230 / 380 / 460 | 1650 | 760 | 2410 | 74.4 |



- The minimum diameter of well is 106mm
- 98mm is the maximum diameter of pump including cable guard and motor.
- Discharge bore size : 2" (50mm)

PSS-17 Series**Performance curve**

Note : Selecting beyond dotted line is not recommended.

PSS-17 Series**Performance curve****H(ft)**

3,000

2,500

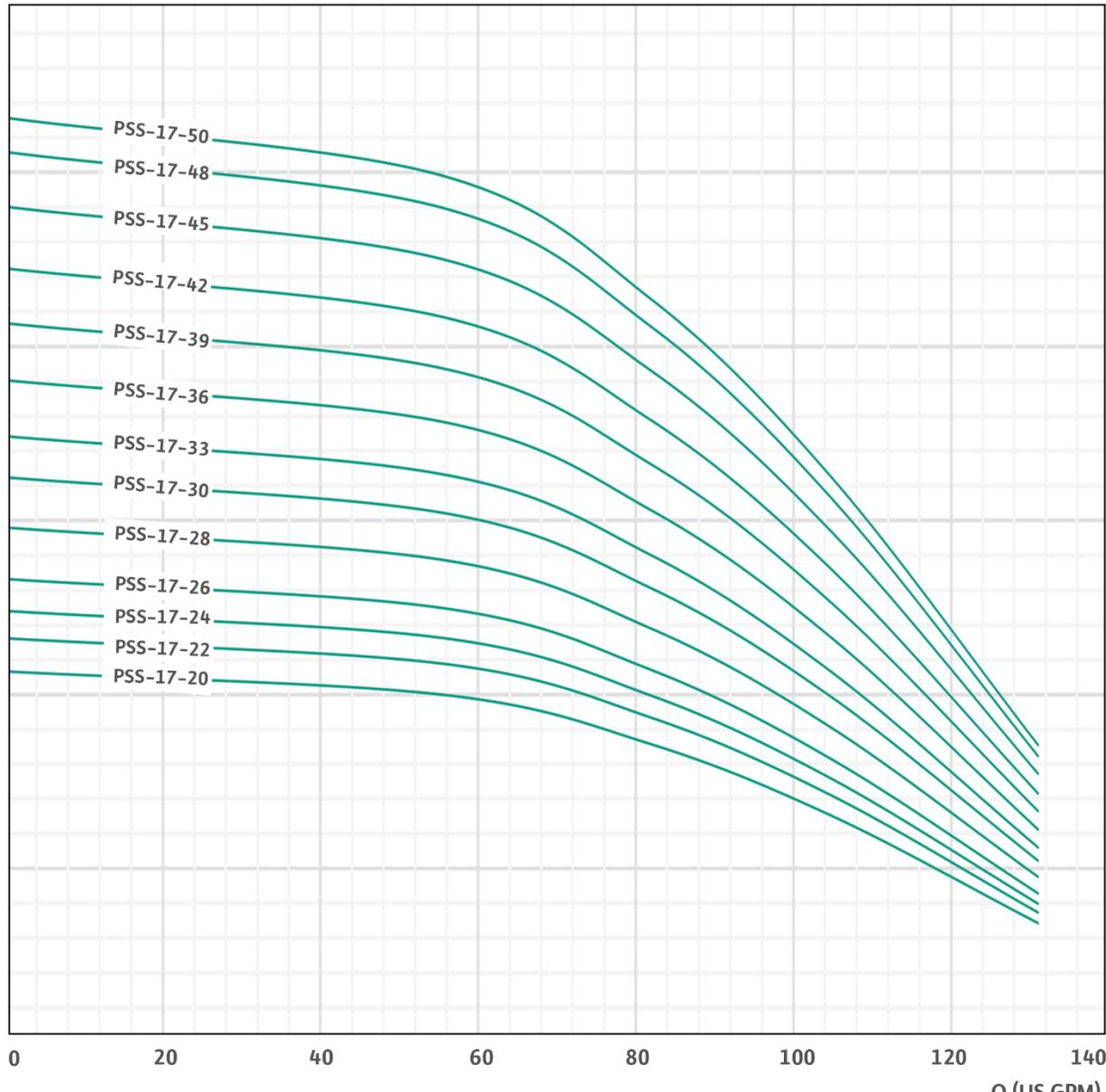
2,000

1,500

1,000

500

0

**(%) Efficiency**

80

60

40

20

0

0

20

40

60

80

100

120

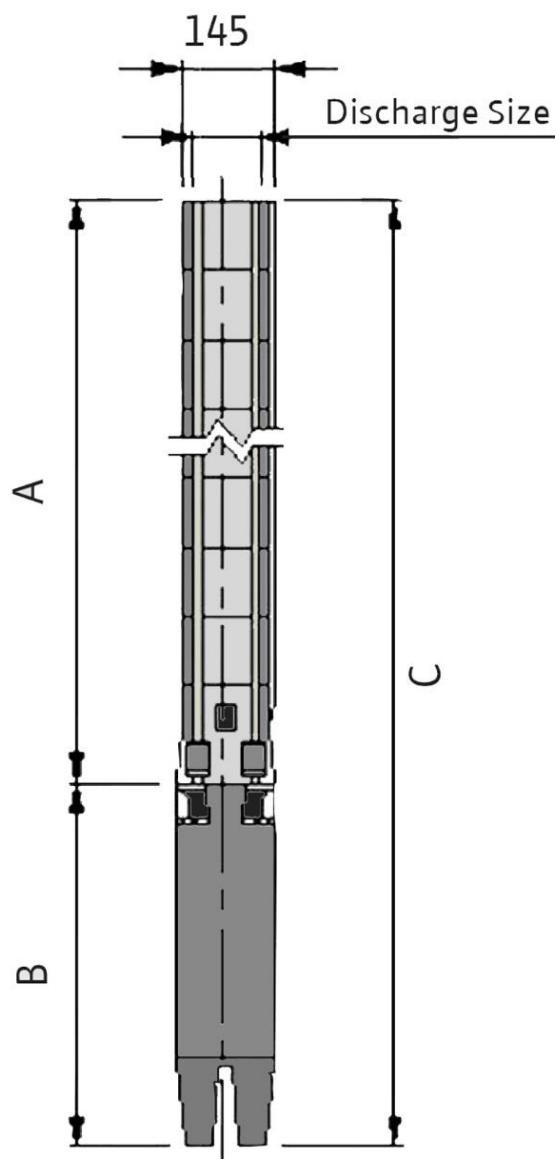
140

Q (US GPM)

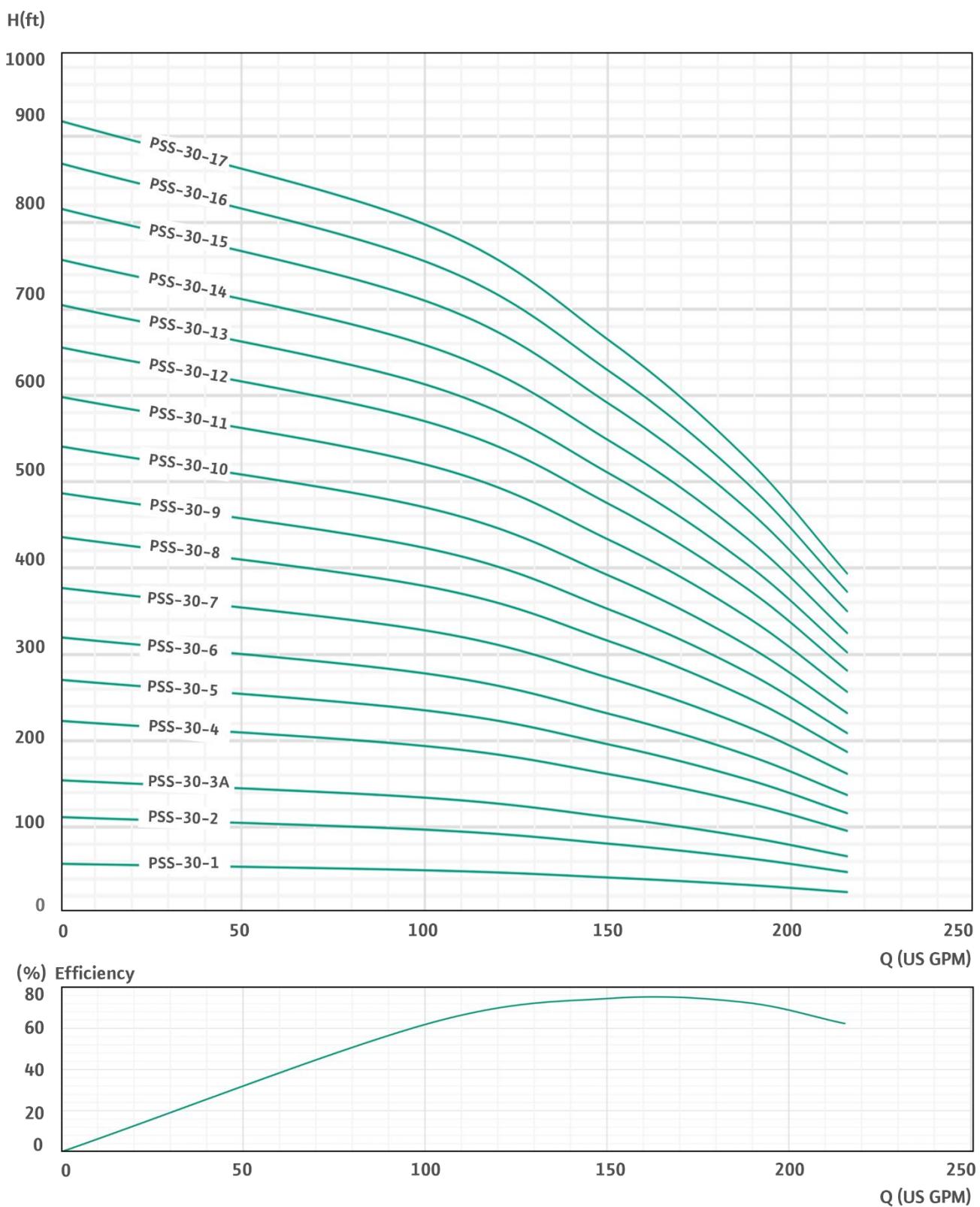
Wilo – PSS Series ~ 6"

PSS-17 Series**Technical data**

| Dimension and weight | | | | | | | | | | 60Hz |
|----------------------|---------------|-------------|-----|--------------|-------------|-----------|------|------|--------|------|
| Model | Motor Wilo | Rated power | | Power Source | | Dimension | | | Weight | |
| | | kW | HP | Phase | Voltage | A | B | C | | |
| PSS-17-1 | MS4-15-1 | 1.1 | 1.5 | 1 | 230 | 343 | 340 | 683 | 16.2 | |
| PSS-17-1 | MS4-15-3 | 1.1 | 1.5 | 3 | 230/380/460 | 343 | 295 | 638 | 15.9 | |
| PSS-17-2 | MS4-30-1 | 2.2 | 3 | 1 | 230 | 403 | 430 | 833 | 22.8 | |
| PSS-17-2 | MS4-30-3 | 2.2 | 3 | 3 | 230/380/460 | 403 | 375 | 778 | 20.6 | |
| PSS-17-3 | MS4-40-3 | 3 | 4 | 3 | 230/380/460 | 464 | 480 | 944 | 26.2 | |
| PSS-17-4 | MS4-55-3 | 4 | 5.5 | 3 | 230/380/460 | 524 | 555 | 1079 | 32.7 | |
| PSS-17-5 | MS4-75-3 | 5.5 | 7.5 | 3 | 230/380/460 | 585 | 675 | 1260 | 40.2 | |
| PSS-17-6 | MS4-75-3 | 5.5 | 7.5 | 3 | 230/380/460 | 645 | 675 | 1320 | 41.6 | |
| PSS-17-7 | MS6-100-3 | 7.5 | 10 | 3 | 230/380/460 | 706 | 685 | 1391 | 63.7 | |
| PSS-17-8 | MS6-100-3 | 7.5 | 10 | 3 | 230/380/460 | 766 | 685 | 1451 | 65.1 | |
| PSS-17-9 | MS6-100-3 | 7.5 | 10 | 3 | 230/380/460 | 827 | 685 | 1512 | 66.6 | |
| PSS-17-10 | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 887 | 760 | 1647 | 76.0 | |
| PSS-17-11 | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 948 | 760 | 1708 | 77.5 | |
| PSS-17-12 | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 1008 | 760 | 1768 | 78.9 | |
| PSS-17-13 | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 1069 | 760 | 1829 | 80.4 | |
| PSS-17-14 | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 1129 | 800 | 1929 | 85.8 | |
| PSS-17-15 | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 1190 | 800 | 1990 | 87.3 | |
| PSS-17-16 | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 1250 | 800 | 2050 | 88.7 | |
| PSS-17-18 | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 1371 | 800 | 2171 | 91.6 | |
| PSS-17-20 | MS6-250-3 | 18.5 | 25 | 3 | 230/380/460 | 1492 | 920 | 2412 | 106 | |
| PSS-17-22 | MS6-250-3 | 18.5 | 25 | 3 | 230/380/460 | 1613 | 920 | 2533 | 108 | |
| PSS-17-24 | MS6-300-3 | 22 | 30 | 3 | 230/380/460 | 1734 | 970 | 2704 | 118 | |
| PSS-17-26 | MS6-300-3 | 22 | 30 | 3 | 230/380/460 | 1855 | 970 | 2825 | 121 | |
| PSS-17-28 | MS6-400-3 | 30 | 40 | 3 | 230/380/460 | 1976 | 1060 | 3036 | 134 | |
| PSS-17-30 | MS6-400-3 | 30 | 40 | 3 | 230/380/460 | 2097 | 1060 | 3157 | 137 | |
| PSS-17-33 | MS6-300-3 | 22 | 30 | 3 | 230/380/460 | 2279 | 970 | 3249 | 136 | |
| PSS-17-36 | MS6-300-3 | 22 | 30 | 3 | 230/380/460 | 2460 | 970 | 3430 | 140 | |
| PSS-17-39 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 2642 | 1060 | 3702 | 152 | |
| PSS-17-42 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 3195 | 1060 | 4255 | 153 | |
| PSS-17-45 | NU 611-2/37 | 45 | 60 | 3 | 380/460 | 3377 | 1381 | 4758 | 170 | |
| PSS-17-48 | NU 611-2/37 | 45 | 60 | 3 | 380/460 | 3558 | 1381 | 4939 | 171 | |
| PSS-17-50 | NU 611-2/37 | 45 | 60 | 3 | 380/460 | 3679 | 1381 | 5060 | 172 | |



- The minimum diameter of well is 156mm
- 145mm is the maximum diameter of pump including cable guard and motor.
- Discharge bore size : 2½" (65mm)
- Using 4 inch motor below 7.5 HP model

PSS-30 Series**Performance curve**

PSS-30 Series**Performance curve****H(ft)**

2,500

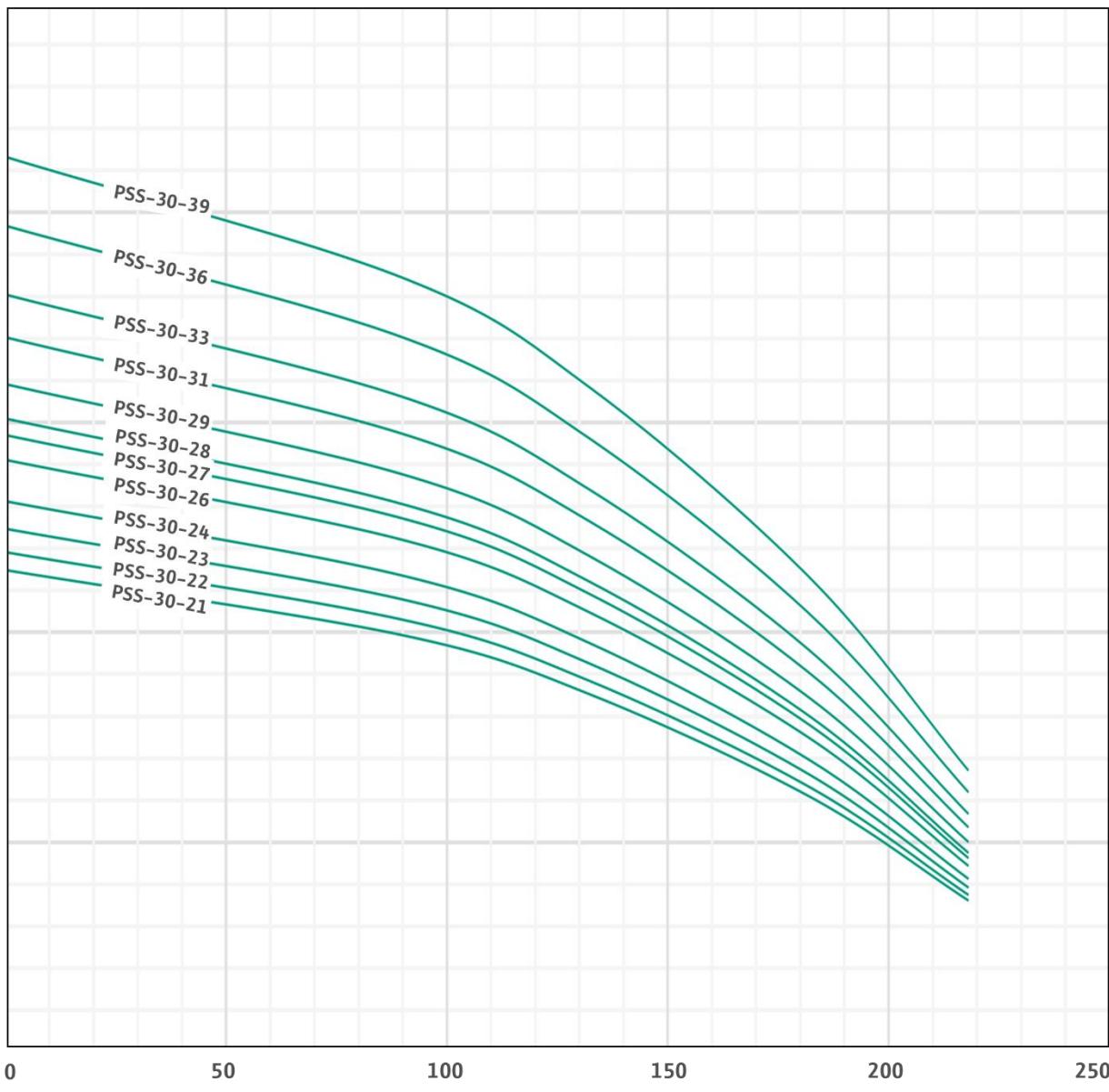
2,000

1,500

1,000

500

0

**(%) Efficiency**

80

70

60

50

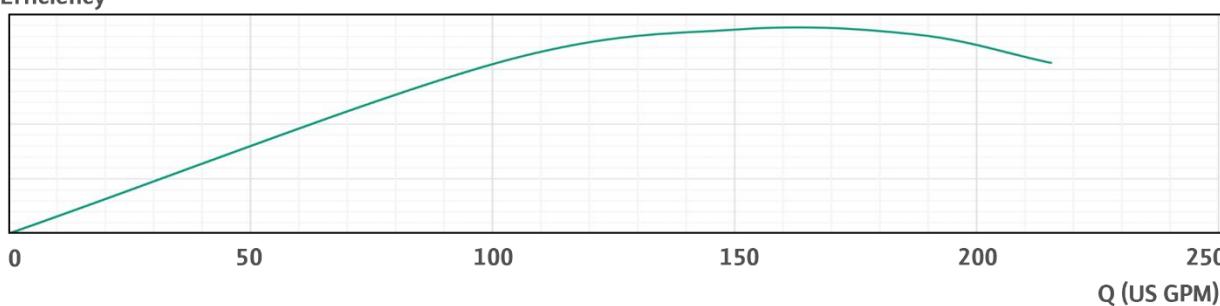
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30

20

10

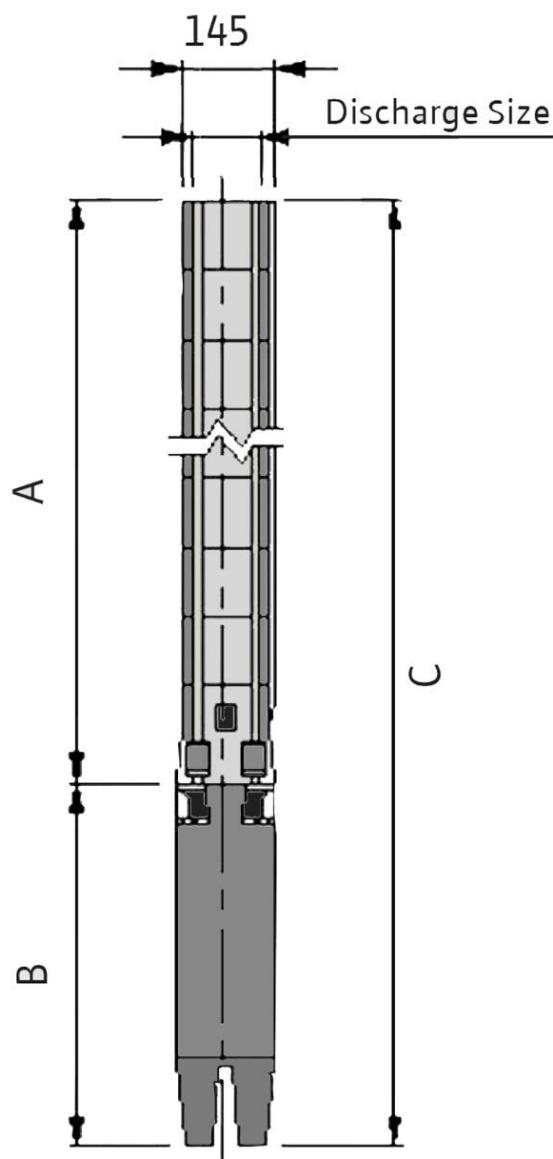
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Wilo – PSS Series ~ 6"

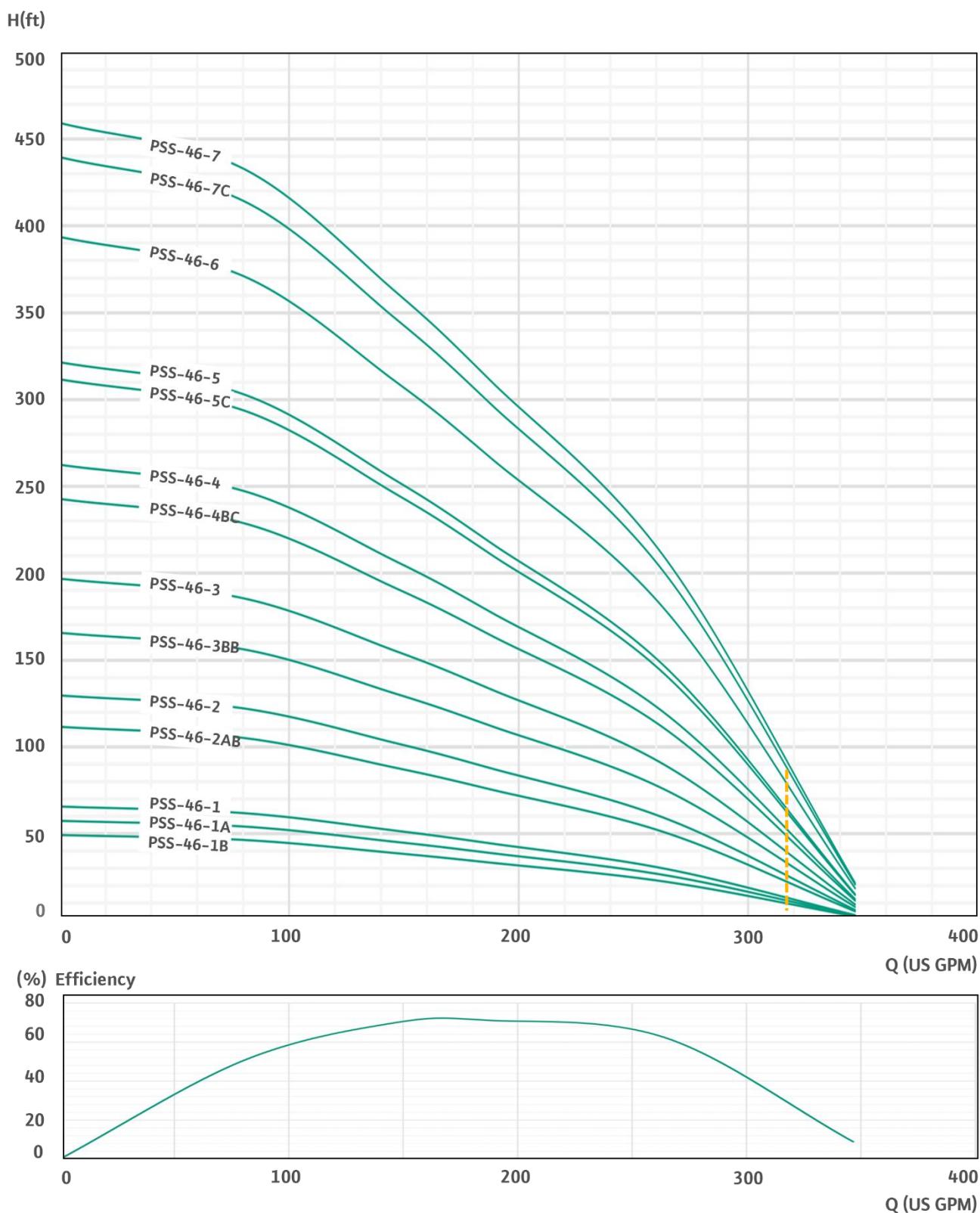
PSS-30 Series**Technical data**

| Dimension and weight | | | | | | | | | 60Hz |
|----------------------|---------------|-------------|-----|--------------|-------------|-----------|------|------|--------|
| Model | Motor Wilo | Rated power | | Power Source | | Dimension | | | Weight |
| | | kW | HP | Phase | Voltage | A | B | C | |
| PSS-30-1 | MS4-20-1 | 1.5 | 2 | 1 | 230 | 366 | 375 | 741 | 20.7 |
| PSS-30-1 | MS4-20-3 | 1.5 | 2 | 3 | 230/380/460 | 366 | 340 | 706 | 18.1 |
| PSS-30-2 | MS4-40-3 | 3 | 4 | 3 | 230/380/460 | 462 | 480 | 942 | 26.7 |
| PSS-30-3 | MS4-55-3 | 4 | 5.5 | 3 | 230/380/460 | 558 | 555 | 1113 | 33.5 |
| PSS-30-3A | MS4-55-3 | 4 | 5.5 | 3 | 230/380/460 | 558 | 555 | 1113 | 33.5 |
| PSS-30-4 | MS4-75-3 | 5.5 | 7.5 | 3 | 230/380/460 | 654 | 675 | 1329 | 41.2 |
| PSS-30-5 | MS6-100-3 | 7.5 | 10 | 3 | 230/380/460 | 750 | 685 | 1435 | 63.5 |
| PSS-30-6 | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 846 | 760 | 1606 | 73.0 |
| PSS-30-7 | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 942 | 760 | 1702 | 74.9 |
| PSS-30-8 | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 1038 | 760 | 1798 | 76.6 |
| PSS-30-9 | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 1134 | 800 | 1934 | 82.0 |
| PSS-30-10 | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 1230 | 800 | 2030 | 84.0 |
| PSS-30-11 | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 1326 | 800 | 2126 | 85.6 |
| PSS-30-12 | MS6-250-3 | 18.5 | 25 | 3 | 230/380/460 | 1422 | 920 | 2342 | 98.3 |
| PSS-30-13 | MS6-250-3 | 18.5 | 25 | 3 | 230/380/460 | 1518 | 920 | 2438 | 99.9 |
| PSS-30-14 | MS6-250-3 | 18.5 | 25 | 3 | 230/380/460 | 1614 | 920 | 2534 | 102 |
| PSS-30-15 | MS6-300-3 | 22 | 30 | 3 | 230/380/460 | 1710 | 970 | 2680 | 110 |
| PSS-30-16 | MS6-300-3 | 22 | 30 | 3 | 230/380/460 | 1806 | 970 | 2776 | 112 |
| PSS-30-17 | MS6-300-3 | 22 | 30 | 3 | 230/380/460 | 1902 | 970 | 2872 | 114 |
| PSS-30-21 | MS6-400-3 | 30 | 40 | 3 | 230/380/460 | 2286 | 1060 | 3346 | 131 |
| PSS-30-22 | MS6-400-3 | 30 | 40 | 3 | 230/380/460 | 2382 | 1060 | 3442 | 132 |
| PSS-30-23 | MS6-400-3 | 30 | 40 | 3 | 230/380/460 | 2478 | 1060 | 3538 | 134 |
| PSS-30-24 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 2574 | 1060 | 3634 | 136 |
| PSS-30-26 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 2766 | 1060 | 3826 | 139 |
| PSS-30-27 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 2862 | 1060 | 3922 | 141 |
| PSS-30-28 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 2958 | 1060 | 4018 | 142 |
| PSS-30-29 | NU 611-2/37 | 45 | 60 | 3 | 380/460 | 3054 | 1381 | 4435 | 160 |
| PSS-30-31 | NU 611-2/37 | 45 | 60 | 3 | 380/460 | 3246 | 1381 | 4627 | 164 |
| PSS-30-33 | NU 611-2/37 | 45 | 60 | 3 | 380/460 | 3438 | 1381 | 4819 | 167 |
| PSS-30-36 | NU 801-2/55 | 55 | 75 | 3 | 380/460 | 3754 | 1145 | 4899 | 209 |
| PSS-30-39 | NU 801-2/55 | 55 | 75 | 3 | 380/460 | 4042 | 1145 | 5187 | 212 |



- The minimum diameter of well is 156mm
- 145mm is the maximum diameter of pump including cable guard and motor.
- Discharge bore size : 3" (80mm)
- Using 4 inch motor below 7.5 HP model

Wilo – PSS Series ~ 6"

PSS-46 Series**Performance curve**

Note : Selecting beyond dotted line is not recommended.

PSS-46 Series**Performance curve****H(ft)**

1,800

1,600

1,400

1,200

1,000

800

600

400

200

0

PSS-46-24

PSS-46-22

PSS-46-20

PSS-46-19

PSS-46-18

PSS-46-17

PSS-46-16

PSS-46-15

PSS-46-14

PSS-46-13

PSS-46-12

PSS-46-10

PSS-46-9

PSS-46-8

200

300

400

Q (US GPM)

(%) Efficiency

80

60

40

20

0

100

200

300

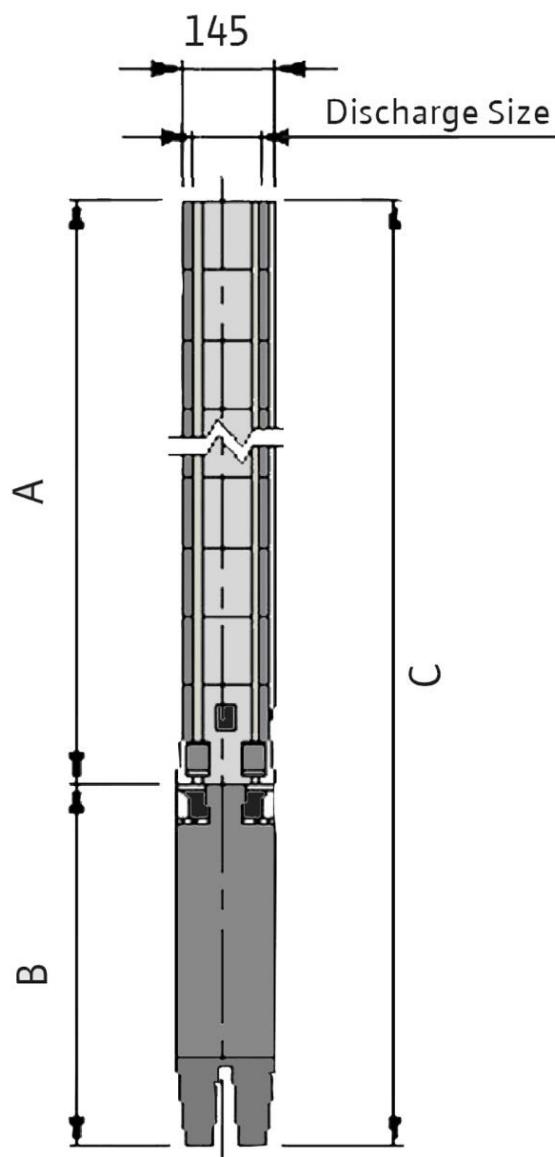
400

Q (US GPM)

Wilo – PSS Series ~ 6"

PSS-46 Series**Technical data**

| Dimension and weight | | | | | | | | | 60Hz |
|----------------------|---------------|-------------|-----|--------------|-------------|-----------|------|------|--------|
| Model | Motor Wilo | Rated power | | Power Source | | Dimension | | | Weight |
| | | kW | HP | Phase | Voltage | A | B | C | |
| PSS-46-1B | MS4-20-1 | 1.5 | 2 | 1 | 230 | 383 | 375 | 758 | 20.9 |
| PSS-46-1B | MS4-20-3 | 1.5 | 2 | 3 | 230/380/460 | 383 | 340 | 723 | 18.3 |
| PSS-46-1A | MS4-30-1 | 2.2 | 3 | 1 | 230 | 383 | 430 | 813 | 23.3 |
| PSS-46-1A | MS4-30-3 | 2.2 | 3 | 3 | 230/380/460 | 383 | 375 | 758 | 21.1 |
| PSS-46-1 | MS4-40-3 | 3 | 4 | 3 | 230/380/460 | 383 | 480 | 863 | 25.2 |
| PSS-46-2AB | MS4-55-3 | 4 | 5.5 | 3 | 230/380/460 | 496 | 555 | 1051 | 32.6 |
| PSS-46-2 | MS4-75-3 | 5.5 | 7.5 | 3 | 230/380/460 | 496 | 675 | 1171 | 38.6 |
| PSS-46-3BB | MS4-75-3 | 5.5 | 7.5 | 3 | 230/380/460 | 609 | 675 | 1284 | 40.9 |
| PSS-46-3 | MS6-100-3 | 7.5 | 10 | 3 | 230/380/460 | 609 | 685 | 1294 | 61.5 |
| PSS-46-4BC | MS6-100-3 | 7.5 | 10 | 3 | 230/380/460 | 722 | 685 | 1407 | 63.7 |
| PSS-46-4 | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 722 | 760 | 1482 | 71.7 |
| PSS-46-5C | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 835 | 760 | 1595 | 74.0 |
| PSS-46-5 | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 835 | 800 | 1635 | 78.0 |
| PSS-46-6 | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 948 | 800 | 1748 | 80.3 |
| PSS-46-7C | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 1061 | 800 | 1861 | 82.6 |
| PSS-46-7 | MS6-250-3 | 18.5 | 25 | 3 | 230/380/460 | 1061 | 920 | 1981 | 93.6 |
| PSS-46-8 | MS6-250-3 | 18.5 | 25 | 3 | 230/380/460 | 1174 | 920 | 2094 | 95.9 |
| PSS-46-9 | MS6-300-3 | 22 | 30 | 3 | 230/380/460 | 1287 | 970 | 2257 | 105 |
| PSS-46-10 | MS6-300-3 | 22 | 30 | 3 | 230/380/460 | 1400 | 970 | 2370 | 107 |
| PSS-46-12 | MS6-400-3 | 30 | 40 | 3 | 230/380/460 | 1626 | 1060 | 2686 | 120 |
| PSS-46-13 | MS6-400-3 | 30 | 40 | 3 | 230/380/460 | 1739 | 1060 | 2799 | 124 |
| PSS-46-14 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 1852 | 1060 | 2912 | 127 |
| PSS-46-15 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 1965 | 1060 | 3025 | 129 |
| PSS-46-16 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 2078 | 1060 | 3138 | 131 |
| PSS-46-17 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 2191 | 1060 | 3251 | 133 |
| PSS-46-18 | NU 611-2/37 | 45 | 60 | 3 | 380/460 | 2304 | 1381 | 3685 | 152 |
| PSS-46-19 | NU 611-2/37 | 45 | 60 | 3 | 380/460 | 2417 | 1381 | 3798 | 154 |
| PSS-46-20 | NU 611-2/37 | 45 | 60 | 3 | 380/460 | 2530 | 1381 | 3911 | 156 |
| PSS-46-22 | NU 801-2/55 | 55 | 75 | 3 | 380/460 | 2784 | 1145 | 3929 | 200 |
| PSS-46-24 | NU 801-2/55 | 55 | 75 | 3 | 380/460 | 3010 | 1145 | 4155 | 202 |



- The minimum diameter of well is 156mm
- 145mm is the maximum diameter of pump including cable guard and motor.
- Discharge bore size : 4" (100mm)
- Using 4 inch motor below 7.5 HP model

PSS-60 Series**Performance curve****H(ft)**

700

600

500

400

300

200

100

0

PSS-60-9
PSS-60-9B

PSS-60-8

PSS-60-7

PSS-60-6

PSS-60-6B

PSS-60-5

PSS-60-4

PSS-60-3

PSS-60-3A

PSS-60-2

PSS-60-1

PSS-60-1B

Efficiency (%)

80

60

40

20

0

Q (US GPM)

Q (US GPM)

100

200

300

400

500

500

100

200

300

400

500

500

PSS-60 Series**Performance curve****H(ft)**

1,400

1,200

1,000

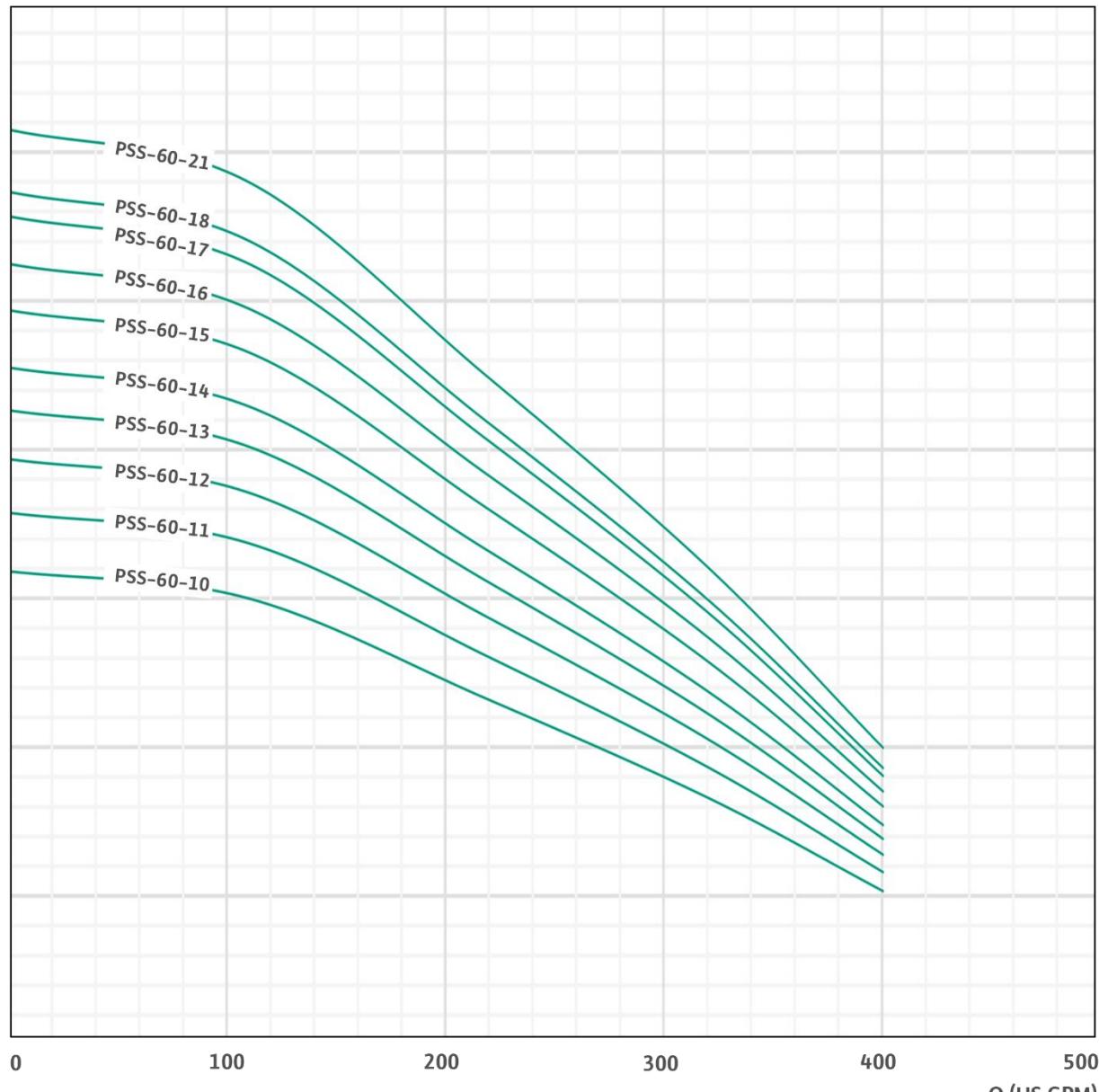
800

600

400

200

0

**(%) Efficiency**

80

60

40

20

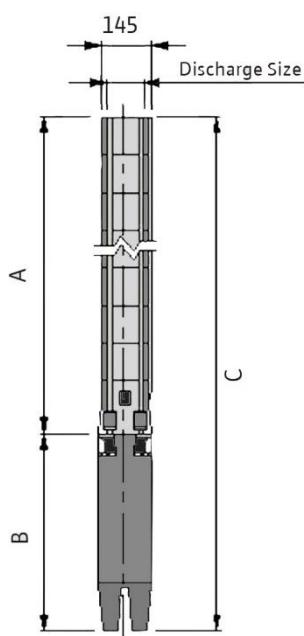
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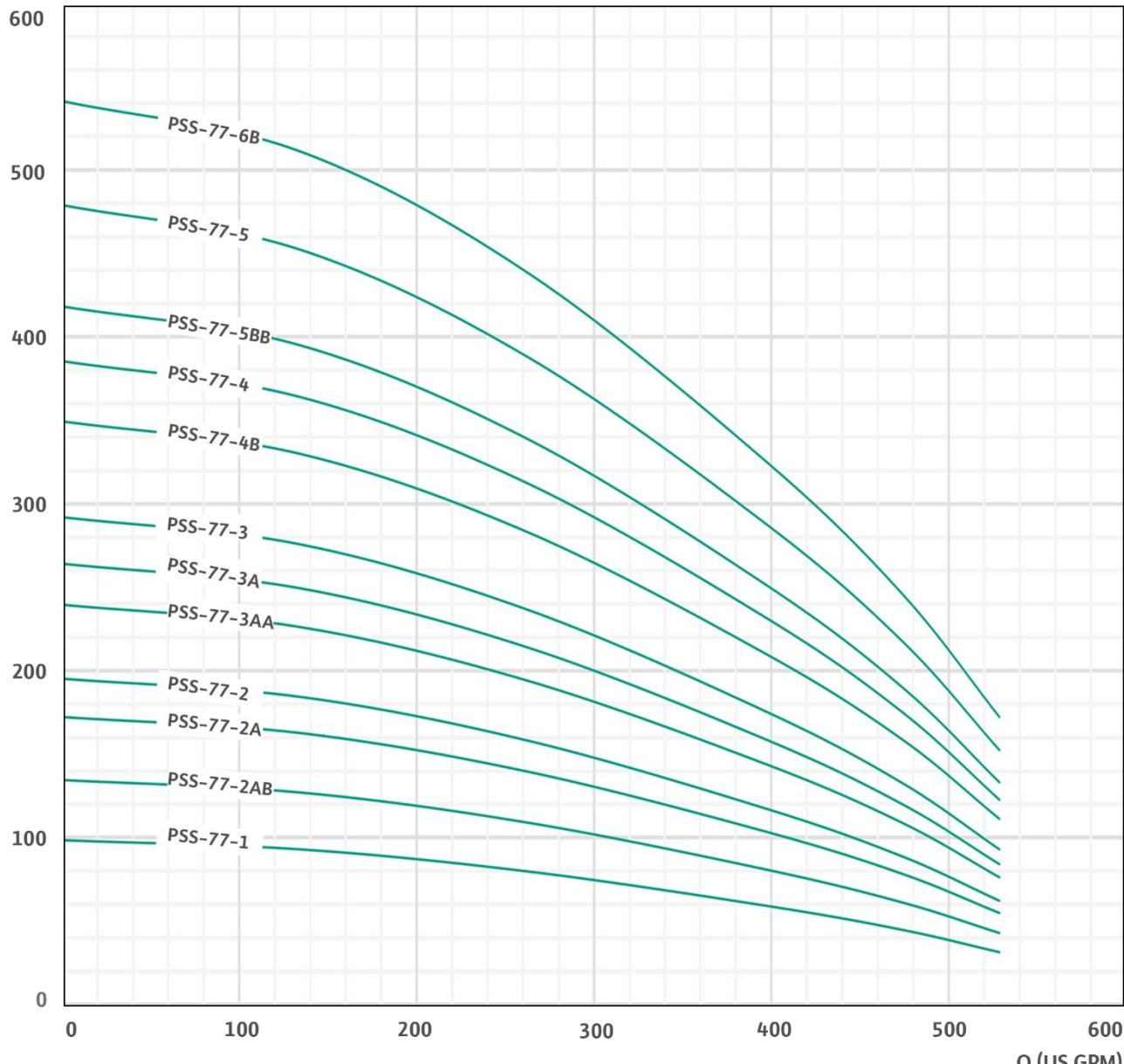
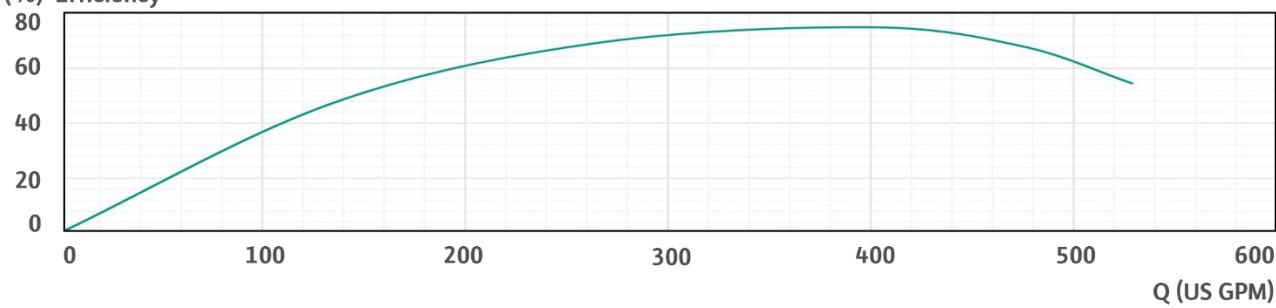
Wilo – PSS Series ~ 6"

PSS-60 Series**Technical data**

| Dimension and weight | | | | | | | | | 60Hz |
|----------------------|---------------|-------------|-----|--------------|-------------|-----------|------|------|--------------|
| Model | Motor Wilo | Rated power | | Power Source | | Dimension | | | Weight Kg |
| | | kW | HP | Phase | Voltage | A | B | C | |
| PSS-60-1B | MS4-30-1 | 2.2 | 3 | 1 | 230 | 383 | 430 | 813 | 23.3 |
| PSS-60-1B | MS4-30-3 | 2.2 | 3 | 3 | 230/380/460 | 383 | 375 | 758 | 21.1 |
| PSS-60-1 | MS4-55-3 | 4 | 5.5 | 3 | 230/380/460 | 383 | 555 | 938 | 30.3 |
| PSS-60-2 | MS4-75-3 | 5.5 | 7.5 | 3 | 230/380/460 | 496 | 675 | 1171 | 38.6 |
| PSS-60-3A | MS6-100-3 | 7.5 | 10 | 3 | 230/380/460 | 609 | 685 | 1294 | 61.5 |
| PSS-60-3 | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 609 | 760 | 1369 | 69.5 |
| PSS-60-4 | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 722 | 760 | 1482 | 71.7 |
| PSS-60-5 | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 835 | 800 | 1635 | 78.0 |
| PSS-60-6B | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 948 | 800 | 1748 | 80.3 |
| PSS-60-6 | MS6-250-3 | 18.5 | 25 | 3 | 230/380/460 | 948 | 920 | 1868 | 91.3 |
| PSS-60-7 | MS6-250-3 | 18.5 | 25 | 3 | 230/380/460 | 1061 | 920 | 1981 | 93.6 |
| PSS-60-8 | MS6-300-3 | 22 | 30 | 3 | 230/380/460 | 1174 | 970 | 2144 | 103 |
| PSS-60-9B | MS6-300-3 | 22 | 30 | 3 | 230/380/460 | 1287 | 970 | 2257 | 105 |
| PSS-60-9 | MS6-400-3 | 30 | 40 | 3 | 230/380/460 | 1287 | 1060 | 2347 | 115 |
| PSS-60-10 | MS6-400-3 | 30 | 40 | 3 | 230/380/460 | 1400 | 1060 | 2460 | 117 |
| PSS-60-11 | MS6-400-3 | 30 | 40 | 3 | 230/380/460 | 1513 | 1060 | 2573 | 120 |
| PSS-60-12 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 1626 | 1060 | 2686 | 122 |
| PSS-60-13 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 1739 | 1060 | 2799 | 124 |
| PSS-60-14 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 1852 | 1060 | 2912 | 127 |
| PSS-60-15 | NU 611-2/37 | 45 | 60 | 3 | 380/460 | 1965 | 1381 | 3346 | 145 |
| PSS-60-16 | NU 611-2/37 | 45 | 60 | 3 | 380/460 | 2078 | 1381 | 3459 | 147 |
| PSS-60-17 | NU 611-2/37 | 45 | 60 | 3 | 380/460 | 2191 | 1381 | 3572 | 149 |
| PSS-60-18 | NU 801-2/55 | 55 | 75 | 3 | 380/460 | 2332 | 1145 | 3477 | 191 |
| PSS-60-21 | NU 801-2/75 | 78 | 100 | 3 | 380/460 | 2671 | 1345 | 4016 | 232 |



- The minimum diameter of well is 156mm
- 145mm is the maximum diameter of pump including cable guard and motor.
- Discharge bore size : 4" (100mm)
- Using 4 inch motor below 7.5 HP model

PSS-77 Series**Performance curve****H(ft)****(%) Efficiency**

PSS-77 Series**Performance curve****H(ft)**

1,600

1,400

1,200

1,000

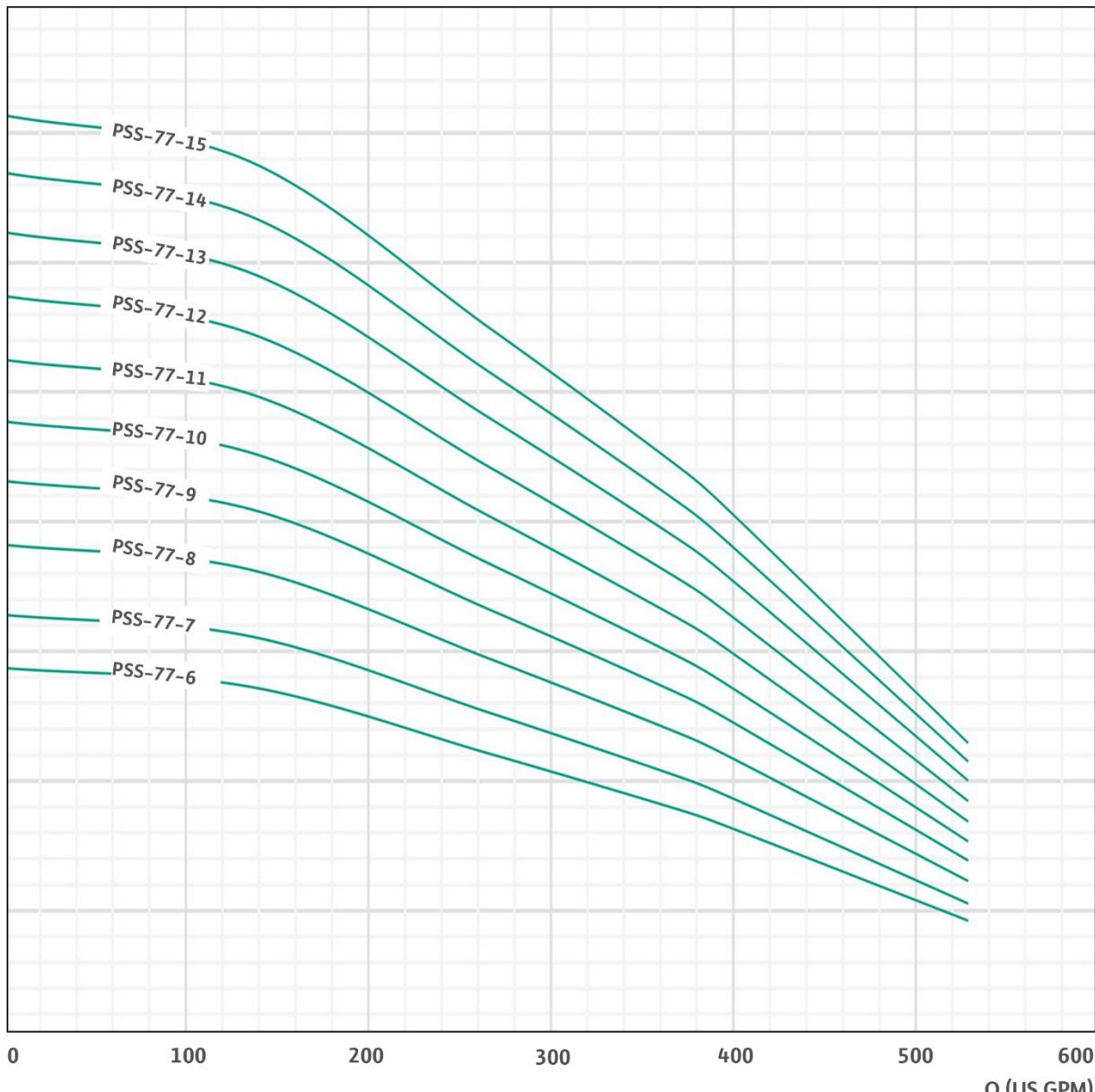
800

600

400

200

0

**(%) Efficiency**

80

70

60

50

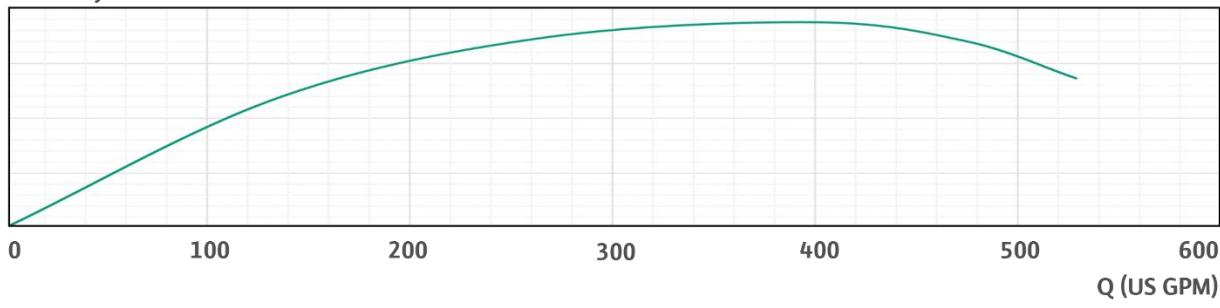
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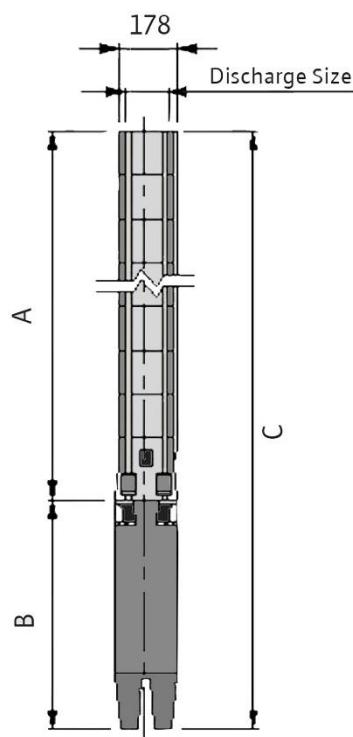
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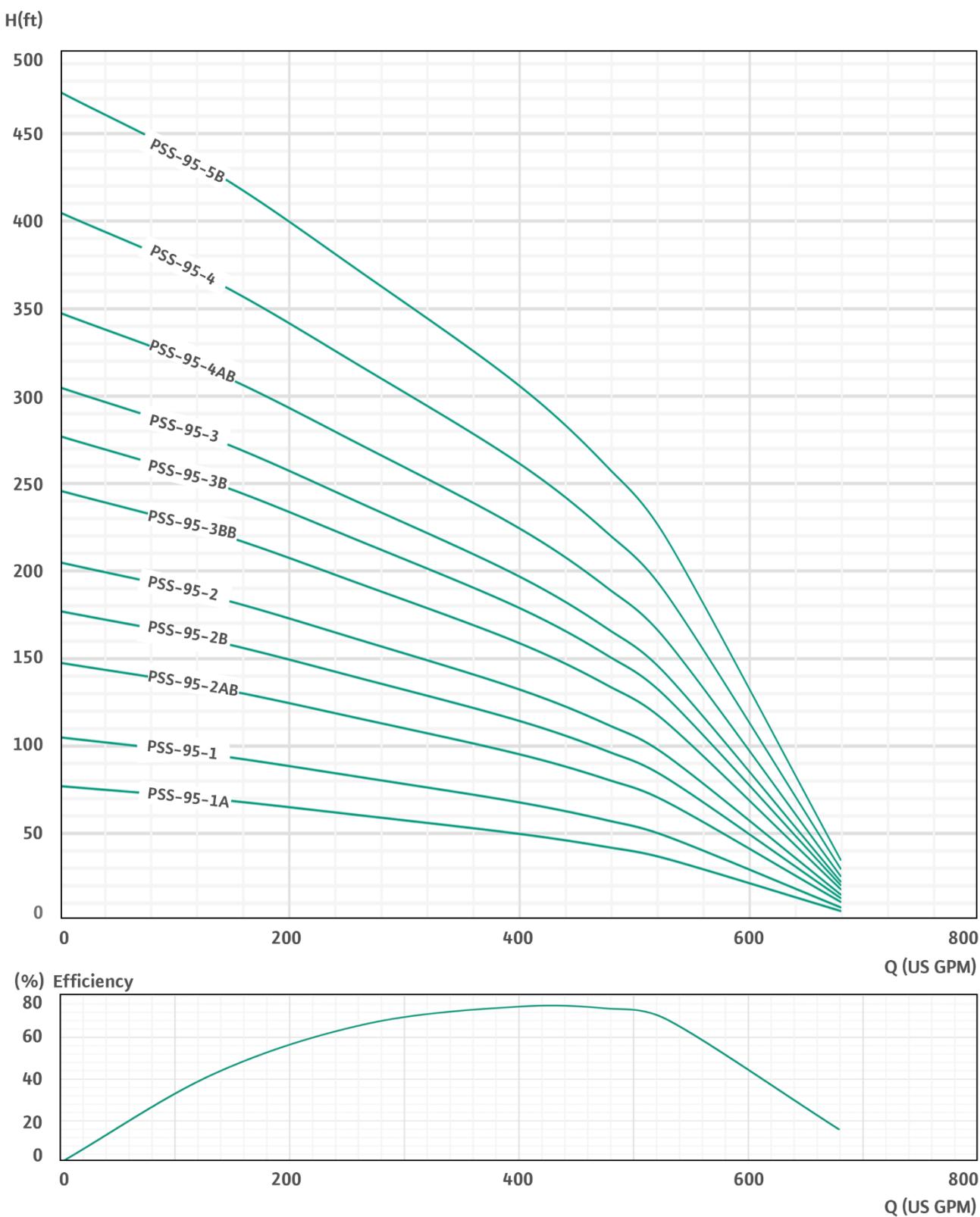


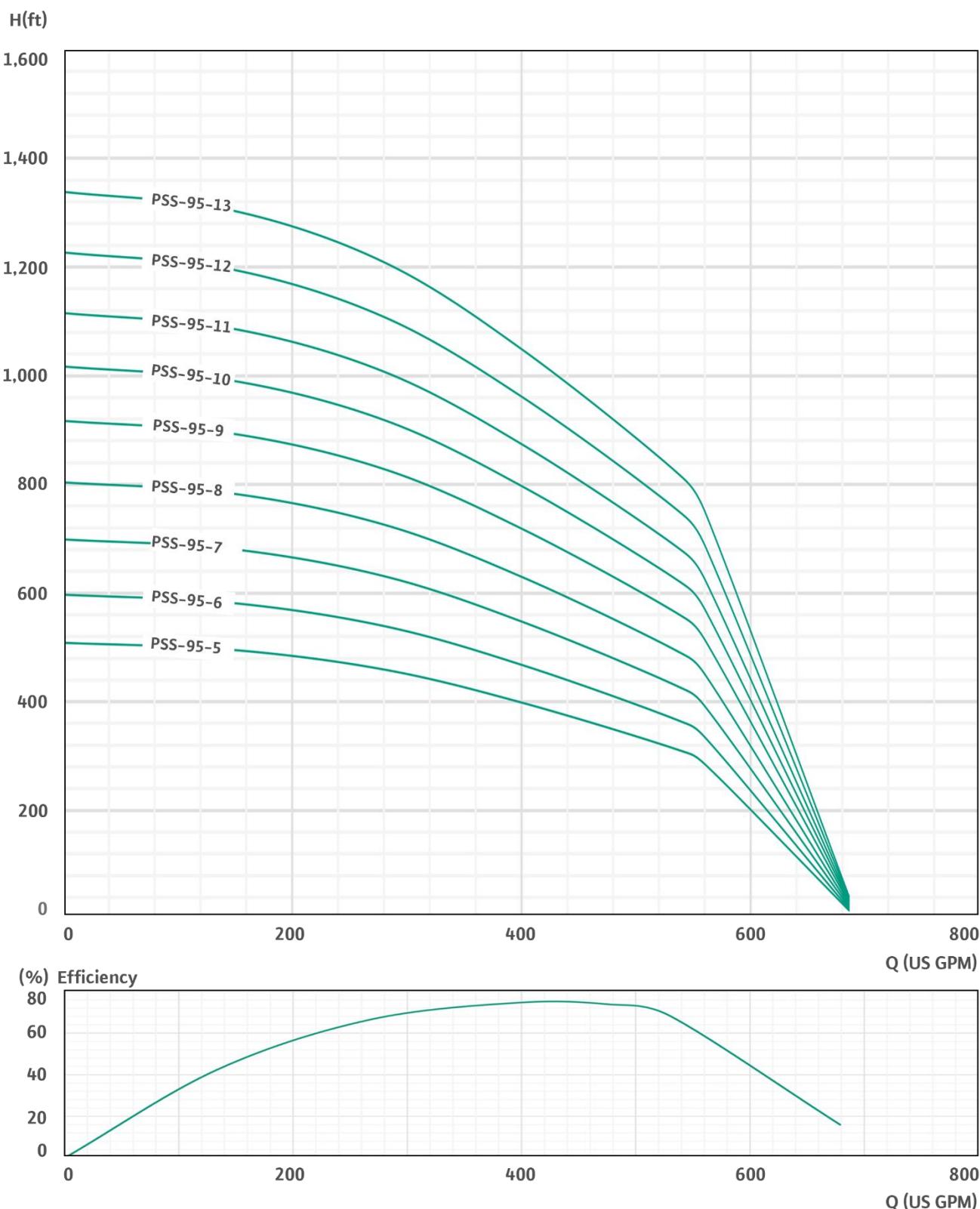
PSS-77 Series**Technical data**

| Model | Motor Wilo | 60Hz | | | | | | | |
|------------|---------------|-------------|-----|--------------|-------------|-----------|------|------|--------|
| | | Rated power | | Power Source | | Dimension | | | Weight |
| | | kW | HP | Phase | Voltage | A | B | C | Kg |
| PSS-77-1 | MS6-75-3 | 5.5 | 7.5 | 3 | 230/380/460 | 618 | 630 | 1248 | 70.1 |
| PSS-77-2AB | MS6-100-3 | 7.5 | 10 | 3 | 230/380/460 | 746 | 685 | 1431 | 78.7 |
| PSS-77-2A | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 746 | 760 | 1506 | 86.7 |
| PSS-77-2 | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 746 | 760 | 1506 | 86.7 |
| PSS-77-3AA | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 874 | 800 | 1674 | 94.3 |
| PSS-77-3A | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 874 | 800 | 1674 | 94.3 |
| PSS-77-3 | MS6-250-3 | 18.5 | 25 | 3 | 230/380/460 | 874 | 920 | 1794 | 105 |
| PSS-77-4B | MS6-250-3 | 18.5 | 25 | 3 | 230/380/460 | 1003 | 920 | 1923 | 109 |
| PSS-77-4 | MS6-300-3 | 22 | 30 | 3 | 230/380/460 | 1003 | 970 | 1973 | 116 |
| PSS-77-5BB | MS6-300-3 | 22 | 30 | 3 | 230/380/460 | 1131 | 970 | 2101 | 120 |
| PSS-77-5 | MS6-400-3 | 30 | 40 | 3 | 230/380/460 | 1131 | 1060 | 2191 | 130 |
| PSS-77-6B | MS6-400-3 | 30 | 40 | 3 | 230/380/460 | 1259 | 1060 | 2319 | 133 |
| PSS-77-6 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 1259 | 1060 | 2319 | 133 |
| PSS-77-7 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 1387 | 1060 | 2447 | 137 |
| PSS-77-8 | NU 611-2/37 | 45 | 60 | 3 | 380/460 | 1527 | 1381 | 2908 | 158 |
| PSS-77-9 | NU 801-2/55 | 55 | 75 | 3 | 380/460 | 1655 | 1145 | 2800 | 200 |
| PSS-77-10 | NU 801-2/55 | 55 | 75 | 3 | 380/460 | 1783 | 1145 | 2928 | 204 |
| PSS-77-11 | NU 801-2/60 | 63 | 85 | 3 | 380/460 | 1911 | 1195 | 3106 | 215 |
| PSS-77-12 | NU 801-2/60 | 63 | 85 | 3 | 380/460 | 2039 | 1195 | 3234 | 219 |
| PSS-77-13 | NU 801-2/75 | 78 | 100 | 3 | 380/460 | 2168 | 1345 | 3513 | 250 |
| PSS-77-14 | NU 801-2/75 | 78 | 100 | 3 | 380/460 | 2296 | 1345 | 3641 | 253 |
| PSS-77-15 | NU 811-2/90 | 100 | 125 | 3 | 380/460 | 2424 | 1380 | 3804 | 280 |



- The minimum diameter of well is 205mm
- 178mm is the maximum diameter of pump including cable guard and motor.
- Discharge bore size : 5" (125mm)
- Using 6 inch motor to PSS-77 series

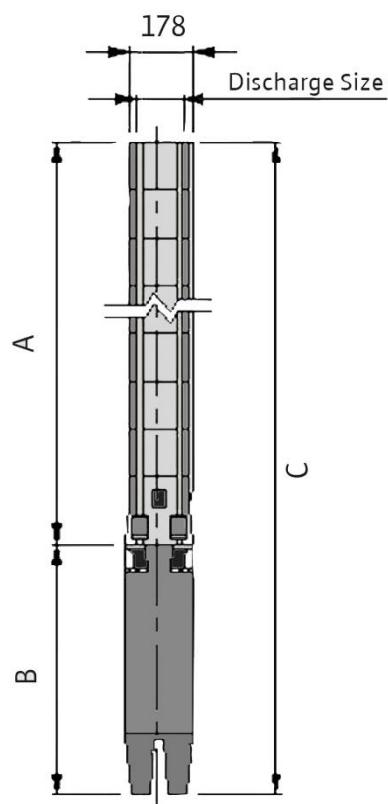
PSS-95 Series**Performance curve**

PSS-95 Series**Performance curve**

Note : Selecting beyond dotted line is not recommended.

PSS-95 Series**Technical data**

| Model | Motor Wilo | 60Hz | | | | | | | |
|-------------------|---------------|-------------|-----|--------------|-------------|-----------|------|------|--------|
| | | Rated power | | Power Source | | Dimension | | | Weight |
| | | kW | HP | Phase | Voltage | A | B | C | Kg |
| PSS-95-1A | MS6-75-3 | 5.5 | 7.5 | 3 | 230/380/460 | 618 | 630 | 1248 | 70.1 |
| PSS-95-1 | MS6-100-3 | 7.5 | 10 | 3 | 230/380/460 | 618 | 685 | 1303 | 75.1 |
| PSS-95-2AB | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 746 | 760 | 1506 | 86.7 |
| PSS-95-2B | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 746 | 760 | 1506 | 86.7 |
| PSS-95-2 | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 746 | 800 | 1546 | 90.7 |
| PSS-95-3BB | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 874 | 800 | 1674 | 94.3 |
| PSS-95-3B | MS6-250-3 | 18.5 | 25 | 3 | 230/380/460 | 874 | 920 | 1794 | 105 |
| PSS-95-3 | MS6-300-3 | 22 | 30 | 3 | 230/380/460 | 874 | 970 | 1844 | 112 |
| PSS-95-4AB | MS6-300-3 | 22 | 30 | 3 | 230/380/460 | 1003 | 970 | 1973 | 116 |
| PSS-95-4 | MS6-400-3 | 30 | 40 | 3 | 230/380/460 | 1003 | 1060 | 2063 | 126 |
| PSS-95-5B | MS6-400-3 | 30 | 40 | 3 | 230/380/460 | 1131 | 1060 | 2191 | 130 |
| PSS-95-5 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 1131 | 1060 | 2191 | 130 |
| PSS-95-6 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 1259 | 1060 | 2319 | 133 |
| PSS-95-7 | NU 611-2/37 | 45 | 60 | 3 | 380/460 | 1398 | 1381 | 2779 | 154 |
| PSS-95-8 | NU 801-2/55 | 55 | 75 | 3 | 380/460 | 1527 | 1145 | 2672 | 197 |
| PSS-95-9 | NU 801-2/60 | 63 | 85 | 3 | 380/460 | 1655 | 1195 | 2850 | 208 |
| PSS-95-10 | NU 801-2/60 | 63 | 85 | 3 | 380/460 | 1783 | 1195 | 2978 | 212 |
| PSS-95-11 | NU 801-2/75 | 78 | 100 | 3 | 380/460 | 1911 | 1345 | 3256 | 242 |
| PSS-95-12 | NU 811-2/90 | 100 | 125 | 3 | 380/460 | 2039 | 1380 | 3419 | 267 |
| PSS-95-13 | NU 811-2/90 | 100 | 125 | 3 | 380/460 | 2168 | 1380 | 3548 | 270 |



- The minimum diameter of well is 205mm
- 178mm is the maximum diameter of pump including cable guard and motor.
- Discharge bore size : 5" (125mm)
- Using 6 inch motor to PSS-95 series

PSS-125 Series**Performance curve**

H(ft)

1,000

PSS-125-7A

PSS-125-7AA

PSS-125-6

PSS-125-6A

PSS-125-6AA

PSS-125-5

PSS-125-5A

PSS-125-5AA

PSS-125-4

PSS-125-4A

PSS-125-4AA

PSS-125-3

PSS-125-3A

PSS-125-3AA

PSS-125-2

PSS-125-2A

PSS-125-2AA

PSS-125-1

PSS-125-1A

1,000

800

700

600

500

400

300

200

100

0

Q (US GPM)

Q (US GPM)

(%) Efficiency

100

80

60

40

20

0

1,000

800

600

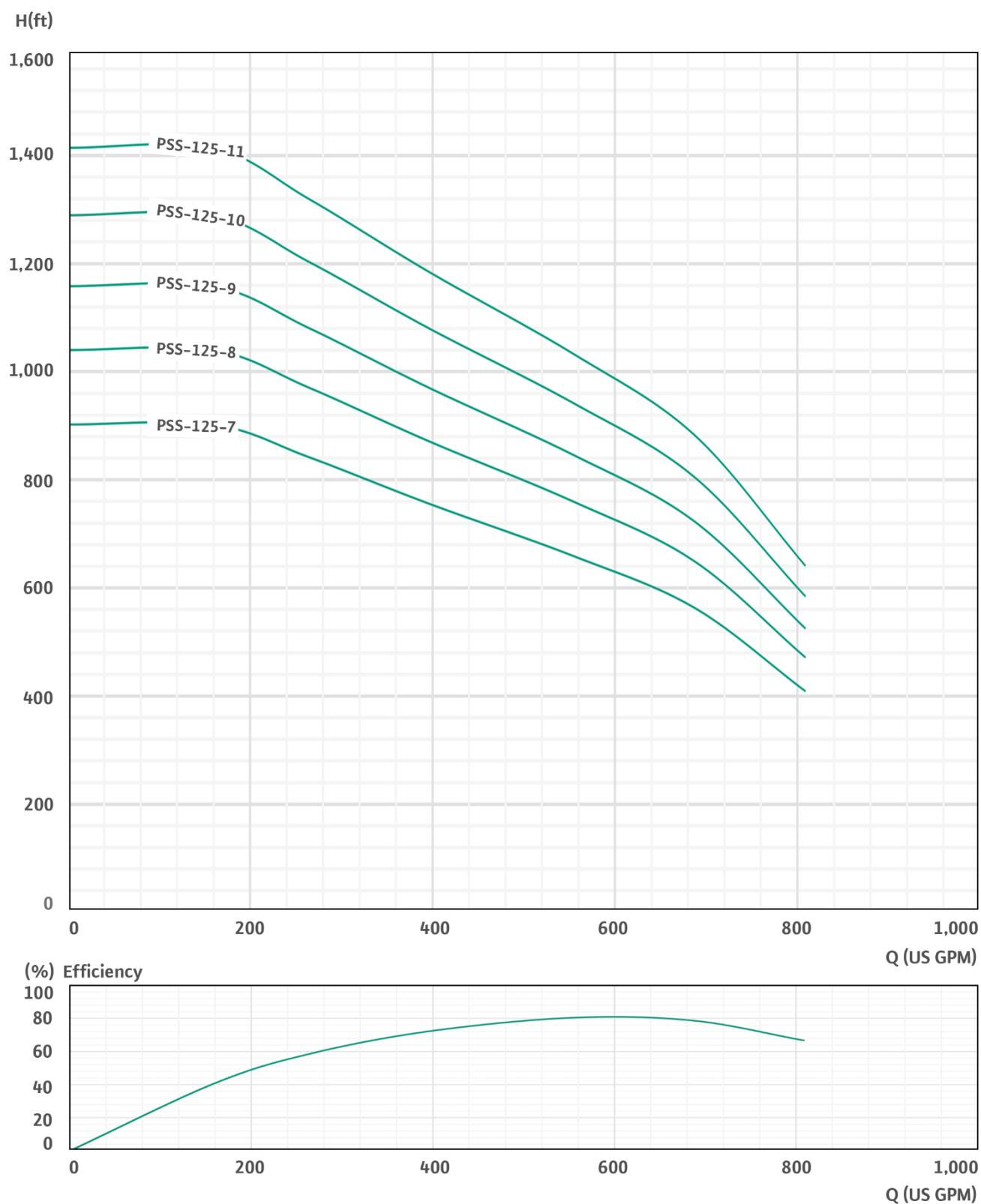
400

200

0

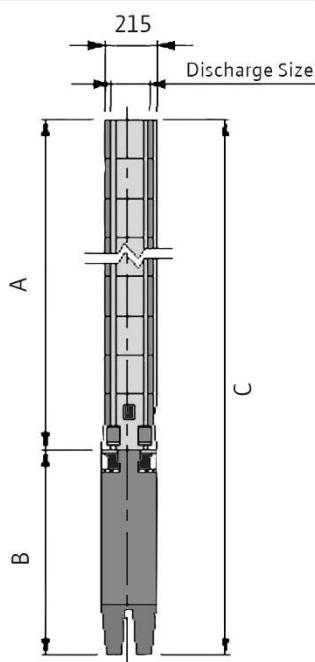
Q (US GPM)

Q (US GPM)

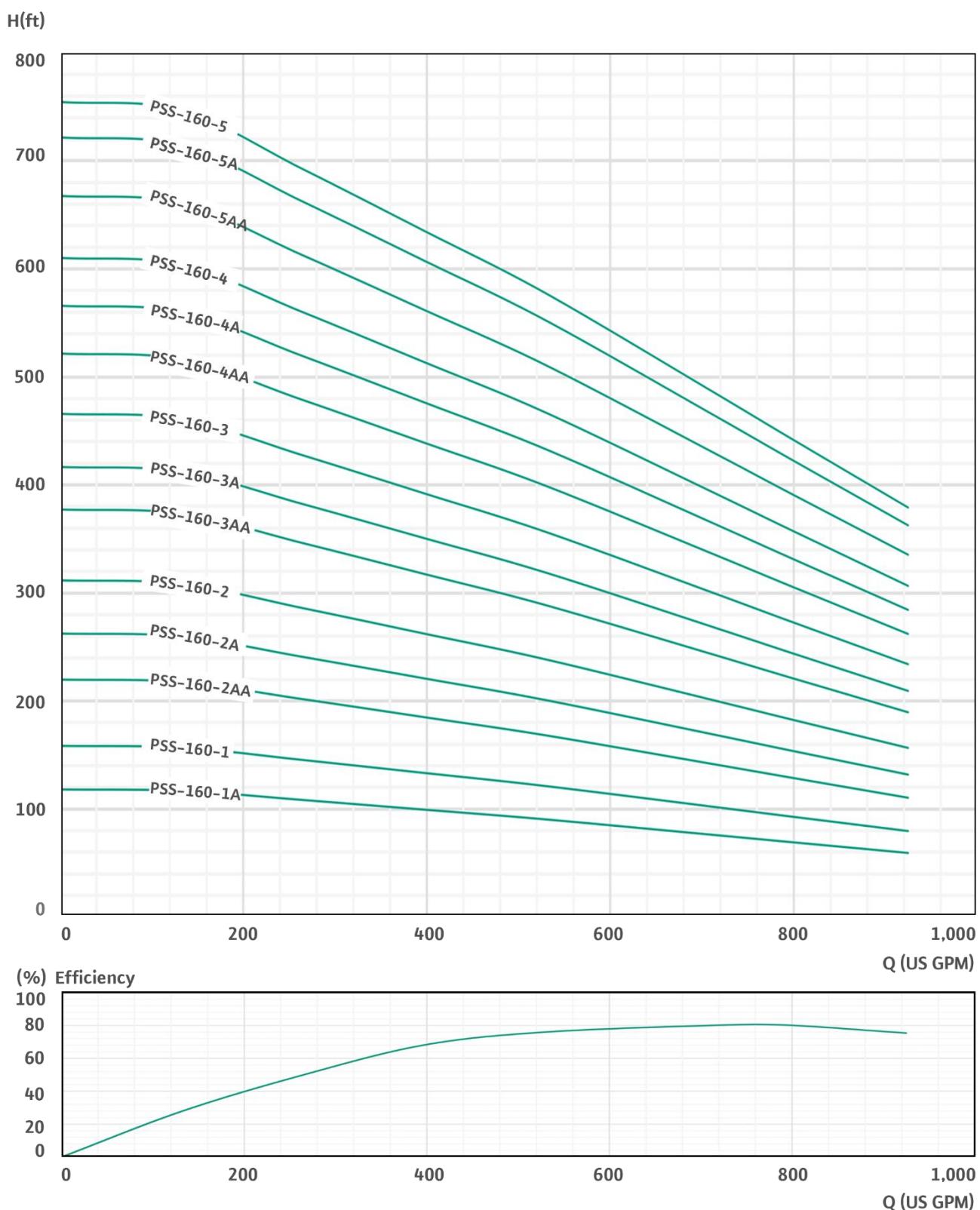
PSS-125 Series**Performance curve**

PSS-125 Series**Technical data**

| Model | Motor Wilo | 60Hz | | | | | | | |
|-------------|---------------|-------------|-----|--------------|-------------|-----------|------|------|--------|
| | | Rated power | | Power Source | | Dimension | | | Weight |
| | | kW | HP | Phase | Voltage | A | B | C | Kg |
| PSS-125-1A | MS6-150-3 | 11 | 15 | 3 | 230/380/460 | 652 | 760 | 1412 | 87.2 |
| PSS-125-1 | MS6-250-3 | 18.5 | 25 | 3 | 230/380/460 | 652 | 920 | 1572 | 102 |
| PSS-125-2AA | MS6-300-3 | 22 | 30 | 3 | 230/380/460 | 807 | 970 | 1777 | 116 |
| PSS-125-2A | MS6-400-3 | 30 | 40 | 3 | 230/380/460 | 807 | 1060 | 1867 | 126 |
| PSS-125-2 | MS6-400-3 | 30 | 40 | 3 | 230/380/460 | 807 | 1060 | 1867 | 126 |
| PSS-125-3AA | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 963 | 1060 | 2023 | 132 |
| PSS-125-3A | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 963 | 1060 | 2023 | 132 |
| PSS-125-3 | NU 611-2/37 | 45 | 60 | 3 | 380/460 | 963 | 1381 | 2344 | 148 |
| PSS-125-4AA | NU 801-2/55 | 55 | 75 | 3 | 380/460 | 1118 | 1145 | 2263 | 197 |
| PSS-125-4A | NU 801-2/55 | 55 | 75 | 3 | 380/460 | 1118 | 1145 | 2263 | 197 |
| PSS-125-4 | NU 801-2/60 | 63 | 85 | 3 | 380/460 | 1118 | 1195 | 2313 | 205 |
| PSS-125-5AA | NU 801-2/75 | 78 | 100 | 3 | 380/460 | 1274 | 1345 | 2619 | 237 |
| PSS-125-5A | NU 801-2/75 | 78 | 100 | 3 | 380/460 | 1274 | 1345 | 2619 | 237 |
| PSS-125-5 | NU 801-2/75 | 78 | 100 | 3 | 380/460 | 1274 | 1345 | 2619 | 237 |
| PSS-125-6AA | NU 801-2/75 | 78 | 100 | 3 | 380/460 | 1429 | 1345 | 2774 | 242 |
| PSS-125-6A | NU 811-2/90 | 100 | 125 | 3 | 380/460 | 1429 | 1380 | 2809 | 263 |
| PSS-125-6 | NU 811-2/90 | 100 | 125 | 3 | 380/460 | 1429 | 1380 | 2809 | 263 |
| PSS-125-7AA | NU 811-2/90 | 100 | 125 | 3 | 380/460 | 1585 | 1380 | 2965 | 268 |
| PSS-125-7A | NU 811-2/90 | 100 | 125 | 3 | 380/460 | 1585 | 1380 | 2965 | 268 |
| PSS-125-7 | NU 911-2/60 | 138 | 185 | 3 | 380/460 | 1585 | 1410 | 2995 | 336 |
| PSS-125-8 | NU 911-2/60 | 138 | 185 | 3 | 380/460 | 1870 | 1410 | 3280 | 353 |
| PSS-125-9 | NU 911-2/60 | 138 | 185 | 3 | 380/460 | 2026 | 1410 | 3436 | 359 |
| PSS-125-10 | NU 911-2/75 | 155 | 205 | 3 | 380/460 | 2181 | 1560 | 3741 | 405 |
| PSS-125-11 | NU 911-2/90 | 185 | 250 | 3 | 380/460 | 2337 | 1710 | 4047 | 450 |



- The minimum diameter of well is 255mm
- 215mm is the maximum diameter of pump including cable guard and motor.
- Discharge bore size : 6" (150mm)
- Using 6 inch motor to PSS-125 series
- Please check NPSH value when you choose the model

PSS-160 Series**Performance curve**

PSS-160 Series**Performance curve****H(ft)**

1,600

1,400

1,200

1,000

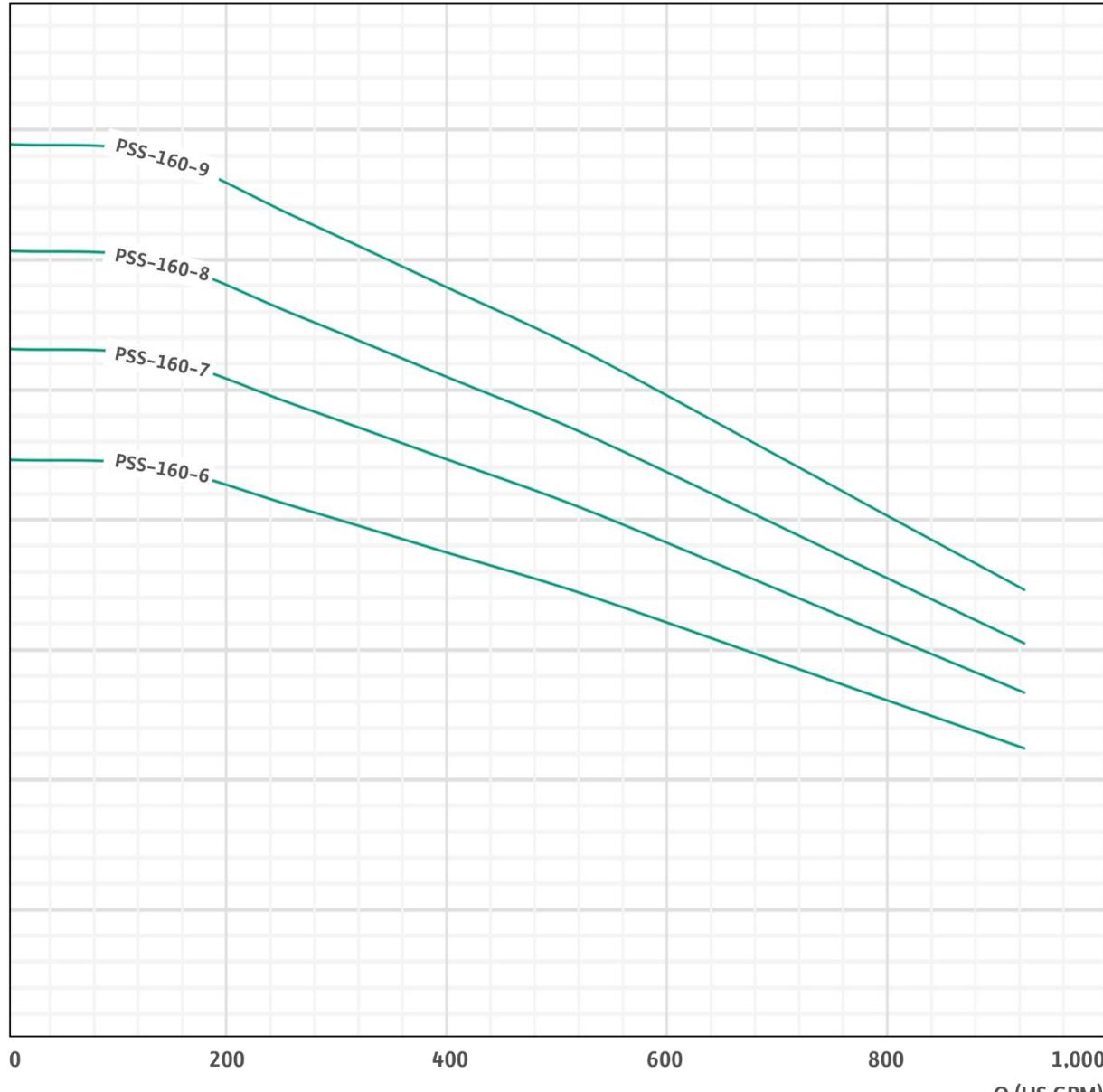
800

600

400

200

0

**(%) Efficiency**

100

80

60

50

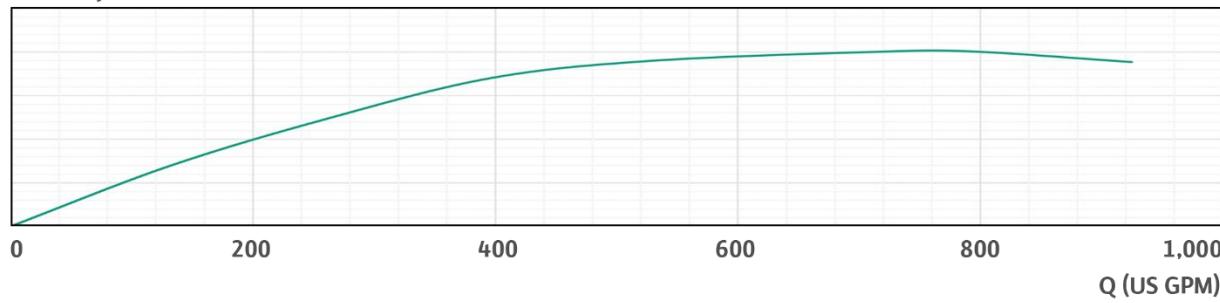
40

30

20

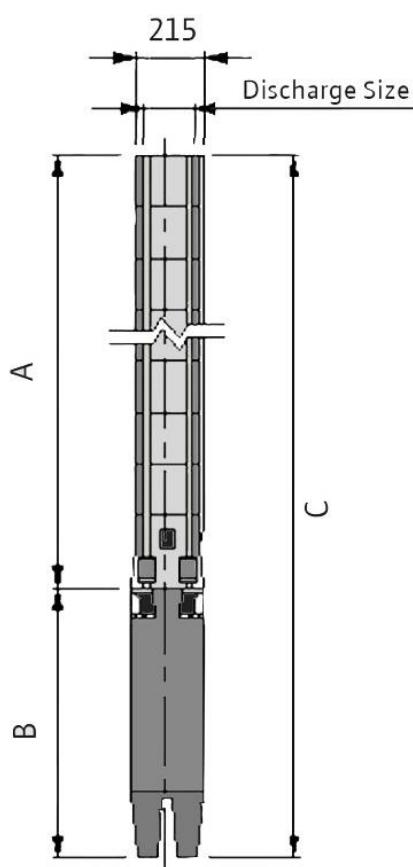
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PSS-160 Series**Technical data**

| Dimension and weight | | | | | | | | | | 60Hz |
|----------------------|---------------|-------------|-----|--------------|-------------|-----------|------|------|--------|------|
| Model | Motor Wilo | Rated power | | Power Source | | Dimension | | | Weight | |
| | | kW | HP | Phase | Voltage | A | B | C | | |
| PSS-160-1A | MS6-200-3 | 15 | 20 | 3 | 230/380/460 | 652 | 800 | 1452 | 92.4 | |
| PSS-160-1 | MS6-300-3 | 22 | 30 | 3 | 230/380/460 | 652 | 970 | 1622 | 110 | |
| PSS-160-2AA | MS6-400-3 | 30 | 40 | 3 | 230/380/460 | 807 | 1060 | 1867 | 127 | |
| PSS-160-2A | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 807 | 1060 | 1867 | 127 | |
| PSS-160-2 | MS6-500-3 | 37 | 50 | 3 | 230/380/460 | 807 | 1060 | 1867 | 127 | |
| PSS-160-3AA | NU 611-2/37 | 45 | 60 | 3 | 380/460 | 963 | 1381 | 2344 | 151 | |
| PSS-160-3A | NU 801-2/55 | 55 | 75 | 3 | 380/460 | 963 | 1145 | 2108 | 190 | |
| PSS-160-3 | NU 801-2/55 | 55 | 75 | 3 | 380/460 | 963 | 1145 | 2108 | 190 | |
| PSS-160-4AA | NU 801-2/60 | 63 | 85 | 3 | 380/460 | 1118 | 1195 | 2313 | 204 | |
| PSS-160-4A | NU 801-2/75 | 78 | 100 | 3 | 380/460 | 1118 | 1345 | 2463 | 231 | |
| PSS-160-4 | NU 801-2/75 | 78 | 100 | 3 | 380/460 | 1118 | 1345 | 2463 | 231 | |
| PSS-160-5AA | NU 811-2/90 | 100 | 125 | 3 | 380/460 | 1274 | 1380 | 2654 | 258 | |
| PSS-160-5A | NU 811-2/90 | 100 | 125 | 3 | 380/460 | 1274 | 1380 | 2654 | 258 | |
| PSS-160-5 | NU 811-2/90 | 100 | 125 | 3 | 380/460 | 1274 | 1380 | 2654 | 258 | |
| PSS-160-6 | NU 911-2/60 | 138 | 185 | 3 | 380/460 | 1429 | 1410 | 2839 | 333 | |
| PSS-160-7 | NU 911-2/60 | 138 | 185 | 3 | 380/460 | 1715 | 1410 | 3125 | 352 | |
| PSS-160-8 | NU 911-2/75 | 155 | 205 | 3 | 380/460 | 1870 | 1560 | 3430 | 398 | |
| PSS-160-9 | NU 911-2/90 | 185 | 250 | 3 | 380/460 | 2026 | 1710 | 3736 | 443 | |



- The minimum diameter of well is 255mm
- 215mm is the maximum diameter of pump including cable guard and motor.
- Discharge bore size : 6" (150mm)
- Using 6 inch motor to PSS-160 series
- Please check NPSH value when you choose the model

PSS-215 Series**Performance curve**

H(ft)

800

700

600

500

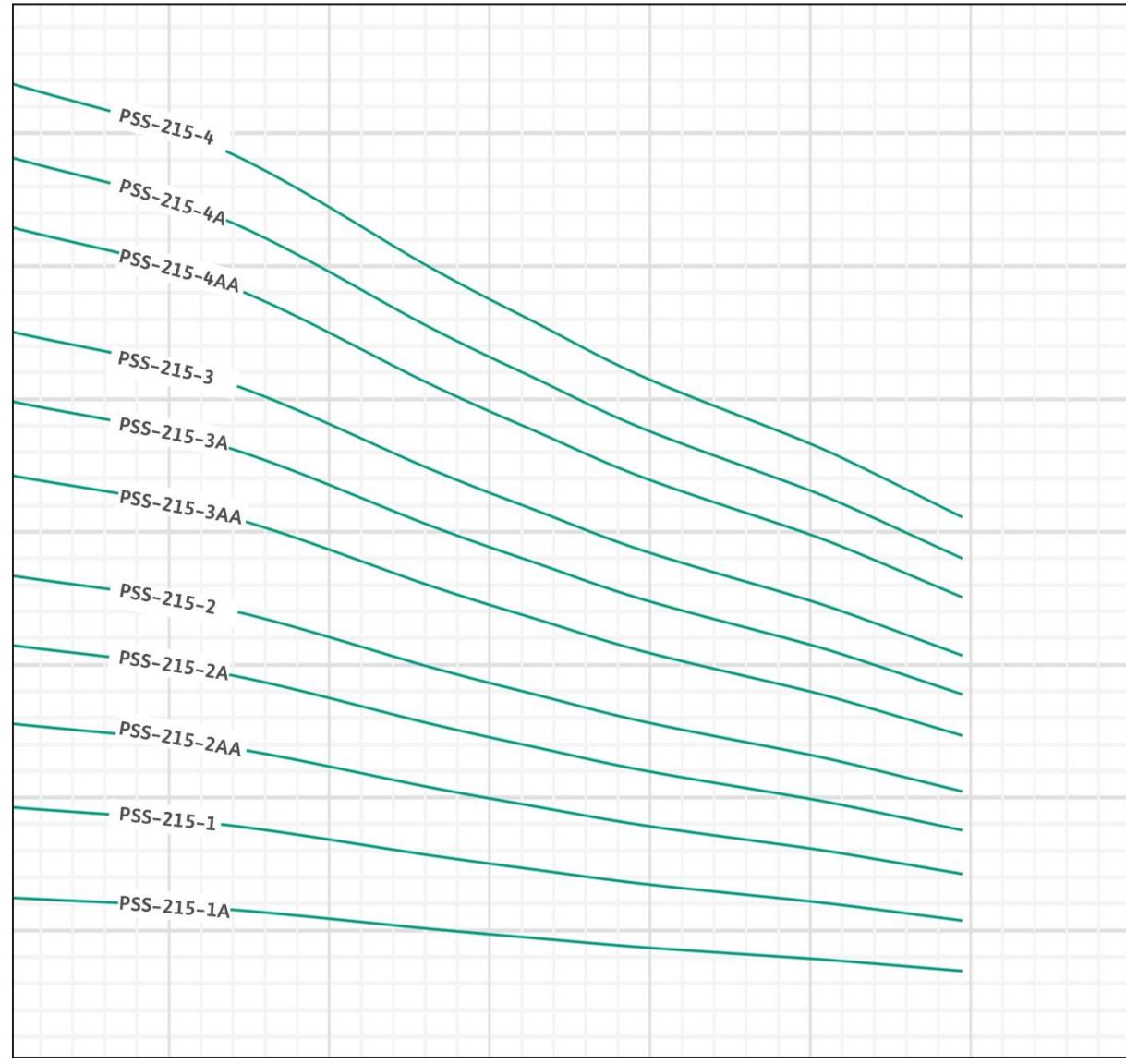
400

300

200

100

0



(%) Efficiency

100

80

60

40

20

0



PSS-215 Series**Performance curve****H(ft)**

1,200

1,000

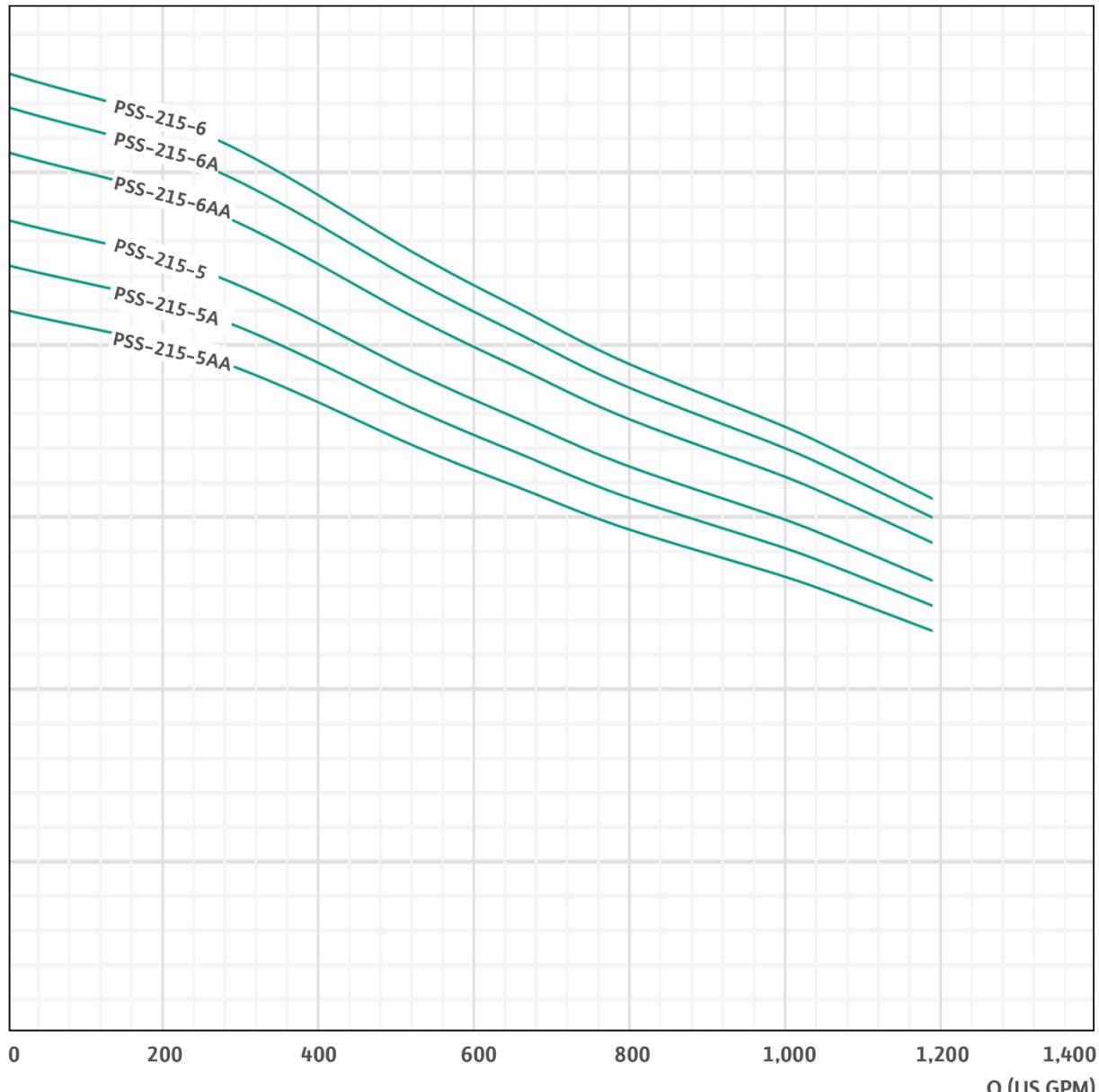
800

600

400

200

0

**(%) Efficiency**

100

80

60

40

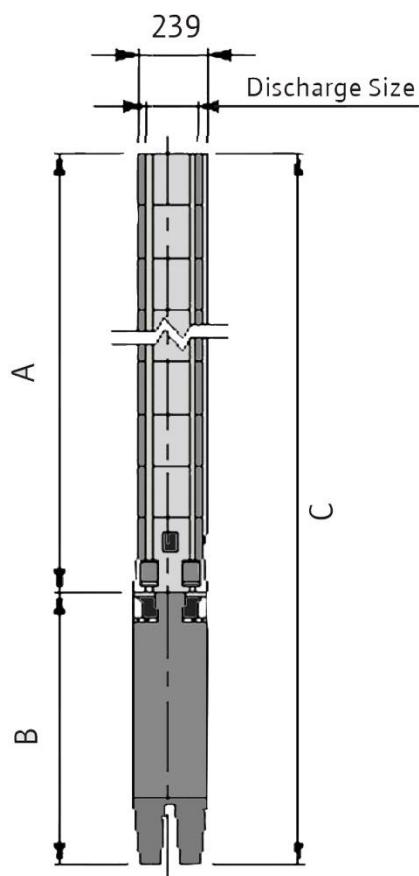
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PSS-215 Series**Technical data**

| Model | Motor Wilo | 60Hz | | | | | | | |
|-------------|---------------|-------------|-----|--------------|-----------------|-----------|------|------|--------|
| | | Rated power | | Power Source | | Dimension | | | Weight |
| | | kW | HP | Phase | Voltage | A | B | C | Kg |
| PSS-215-1A | MS6-300-3 | 22 | 30 | 3 | 230 / 380 / 460 | 772 | 970 | 1742 | 126 |
| PSS-215-1 | MS6-400-3 | 30 | 40 | 3 | 230 / 380 / 460 | 772 | 1060 | 1832 | 136 |
| PSS-215-2AA | NU 611-2/37 | 45 | 60 | 3 | 380 / 460 | 948 | 1381 | 2329 | 162 |
| PSS-215-2A | NU 801-2/55 | 55 | 75 | 3 | 380 / 460 | 948 | 1145 | 2093 | 201 |
| PSS-215-2 | NU 801-2/60 | 63 | 85 | 3 | 380 / 460 | 948 | 1195 | 2143 | 209 |
| PSS-215-3AA | NU 801-2/75 | 78 | 100 | 3 | 380 / 460 | 1124 | 1345 | 2469 | 246 |
| PSS-215-3A | NU 811-2/90 | 100 | 125 | 3 | 380 / 460 | 1124 | 1380 | 2504 | 267 |
| PSS-215-3 | NU 811-2/90 | 100 | 125 | 3 | 380 / 460 | 1124 | 1380 | 2504 | 267 |
| PSS-215-4AA | NU 911-2/60 | 138 | 185 | 3 | 380 / 460 | 1300 | 1410 | 2710 | 344 |
| PSS-215-4A | NU 911-2/60 | 138 | 185 | 3 | 380 / 460 | 1300 | 1410 | 2710 | 344 |
| PSS-215-4 | NU 911-2/60 | 138 | 185 | 3 | 380 / 460 | 1300 | 1410 | 2710 | 344 |
| PSS-215-5AA | NU 911-2/60 | 138 | 185 | 3 | 380 / 460 | 1476 | 1410 | 2886 | 360 |
| PSS-215-5A | NU 911-2/60 | 138 | 185 | 3 | 380 / 460 | 1476 | 1410 | 2886 | 360 |
| PSS-215-5 | NU 911-2/75 | 155 | 205 | 3 | 380 / 460 | 1476 | 1560 | 3036 | 399 |
| PSS-215-6AA | NU 911-2/90 | 185 | 250 | 3 | 380 / 460 | 1652 | 1710 | 3362 | 448 |
| PSS-215-6A | NU 911-2/90 | 185 | 250 | 3 | 380 / 460 | 1652 | 1710 | 3362 | 448 |
| PSS-215-6 | NU 911-2/90 | 185 | 250 | 3 | 380 / 460 | 1652 | 1710 | 3362 | 448 |

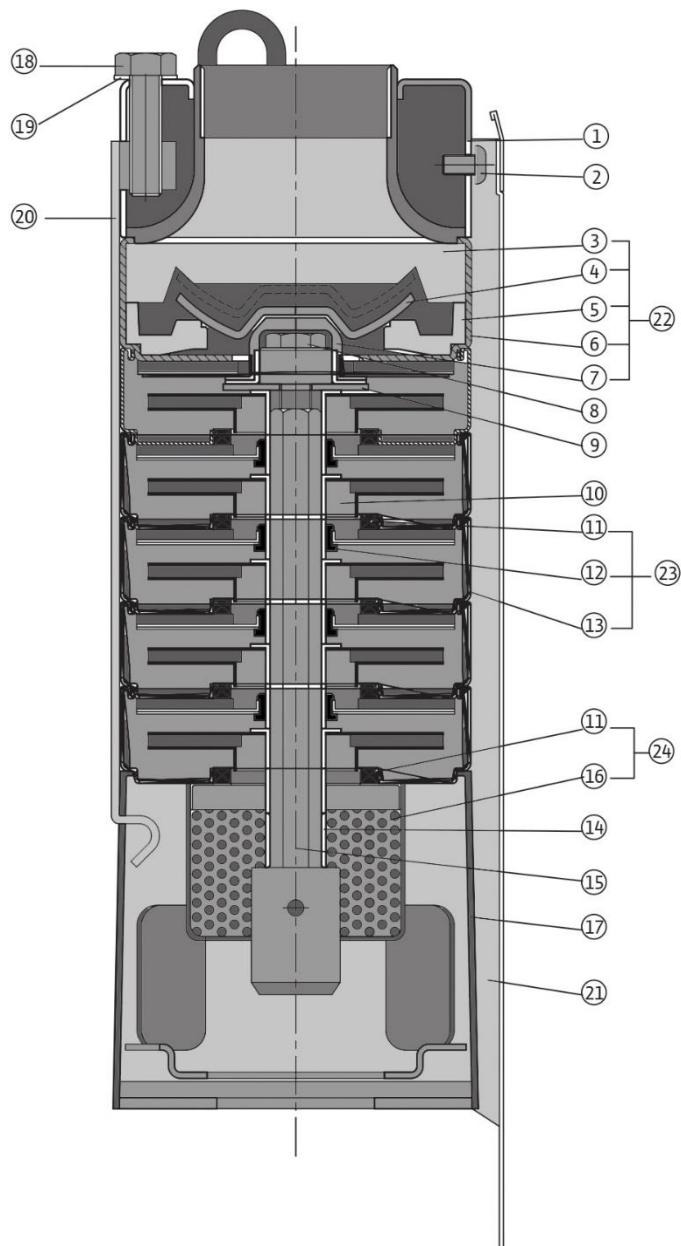


- The minimum diameter of well is 255mm
- 239mm is the maximum diameter of pump including cable guard and motor.
- Discharge bore size : 6" (150mm)
- Using 6 inch motor to PSS-215 series
- Please check NPSH value when you choose the model

PSS-1~ 14 Series (4")

Sectional Drawing & Materials of Parts

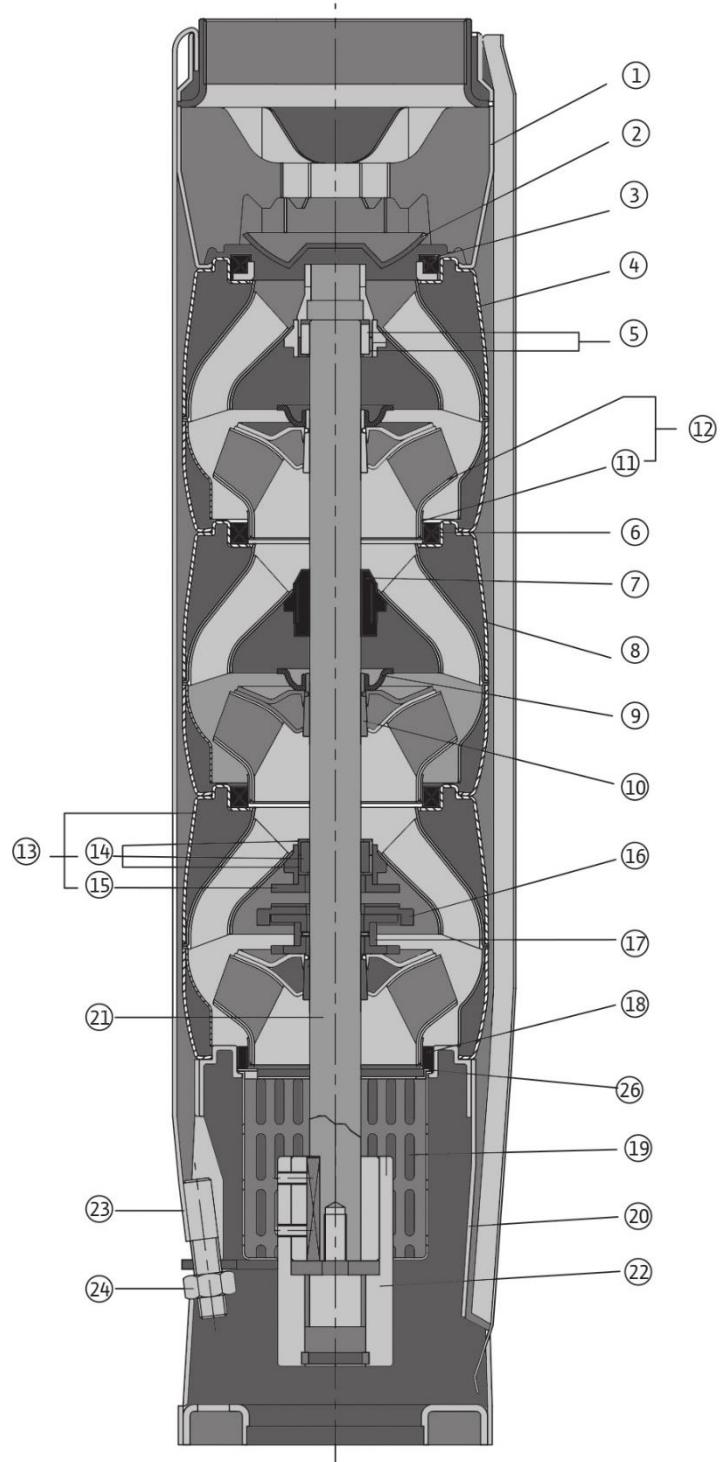
| No | Part Name | Material | Q |
|----|------------------------|------------|--------|
| 1 | Discharge piece | STS304 | 1 |
| 2 | Screw | ~ | 1 |
| 3 | Valve guide | ~ | 1 |
| 4 | Valve cone | STS304 | 1 |
| 5 | Valve seat | NBR | 1 |
| 6 | Valve casing | STS304 | 1 |
| 7 | Stop ring | STS304 | 1 |
| 8 | Lock nut | STS304 | 1 |
| 9 | Stop ring washer | STS304 | 1 |
| 10 | Impeller | STS304 | Stages |
| 11 | Neck ring | NBR | Stages |
| 12 | Bearing | NBR | Stages |
| 13 | Diffuser | STS304 | Stages |
| 14 | Spacer | ~ | 1 |
| 15 | Pump shaft/coupling | STS431/304 | 1 |
| 16 | Strainer | STS304 | 1 |
| 17 | Suction interconnector | STS304 | 1 |
| 18 | Screw | ~ | 4 |
| 19 | Washer | STS304 | 4 |
| 20 | Strap | STS304 | 4 |
| 21 | Cable guard | STS304 | 1 |
| 22 | Check valve assy | ~ | 1 |
| 23 | Diffuser assy | ~ | Stages |
| 24 | Strainer assy | ~ | 1 |



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PSS-17~ 60 Series (6")**Sectional Drawing & Materials of Parts**

| No | Part Name | Material | Q |
|----|------------------------|----------|--------|
| 1 | Discharge | STS304 | 1 |
| 2 | Valve cone | STS304 | 1 |
| 3 | Valve seat | NBR | Stages |
| 4 | Top diffuser | STS304 | 1 |
| 5 | Upper bearing | STS304 | 1 |
| 6 | Neck ring | NBR | 1 |
| 7 | Bearing | NBR | 1 |
| 8 | Diffuser | STS304 | Stages |
| 9 | Split cone nut | STS304 | Stages |
| 10 | Split cone | STS304 | Stages |
| 11 | Impeller ring | STS304 | Stages |
| 12 | Impeller | STS304 | Stages |
| 13 | Bottom diffuser | STS304 | 1 |
| 14 | Lower bearing | ~ | 1 |
| 15 | Stop ring | ~ | 1 |
| 16 | Space washer | STS304 | 1 |
| 17 | Nut for stop ring | STS304 | 1 |
| 18 | Bottom neck ring | NBR | 1 |
| 19 | Strainer | STS304 | 1 |
| 20 | Suction interconnector | STS304 | 1 |
| 21 | Pump shaft | STS431 | 1 |
| 22 | Coupling | STS304 | 1 |
| 23 | Strap | STS304 | 4 |
| 24 | Nut | STS304 | 4 |

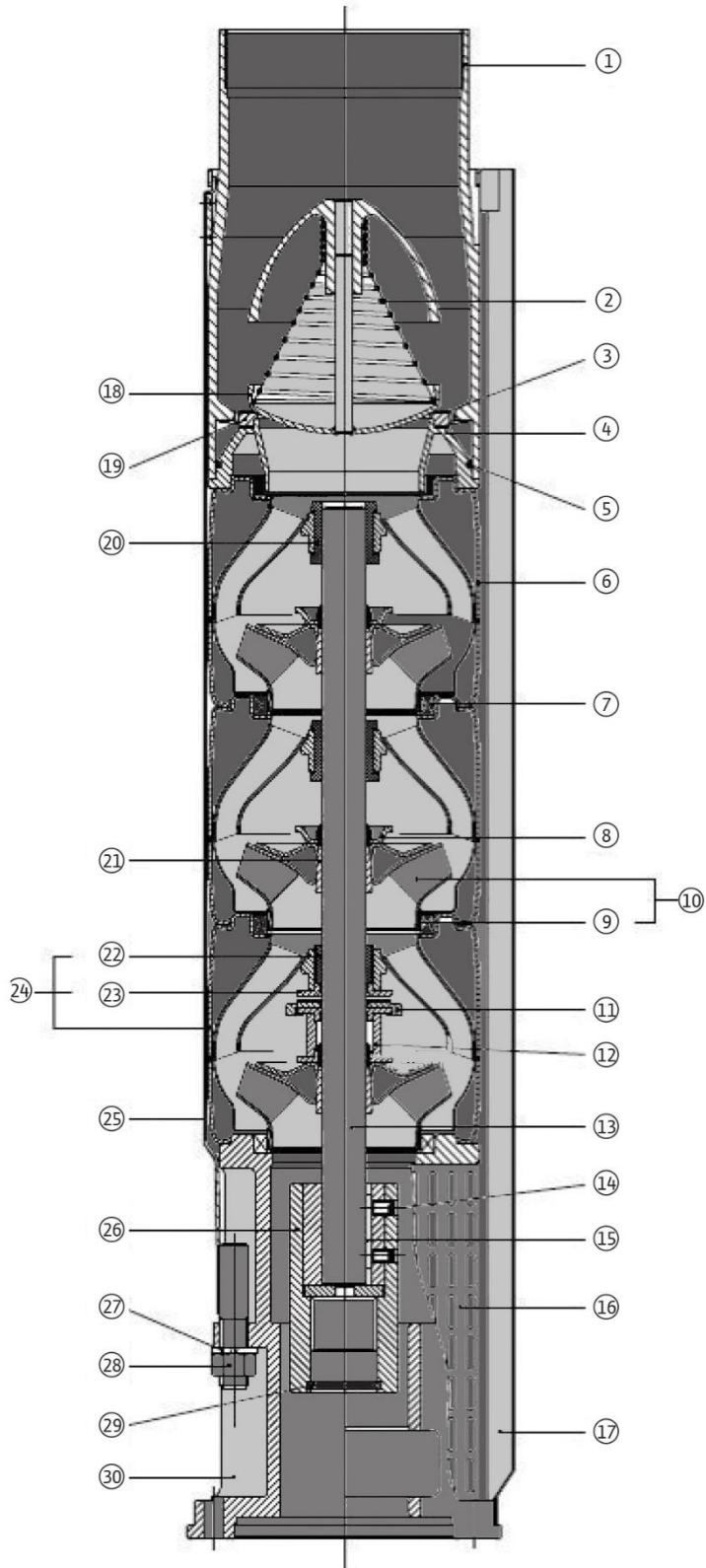


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Partnership

wilo

PSS-77~ 95 Series (8")**Sectional Drawing & Materials of Parts**

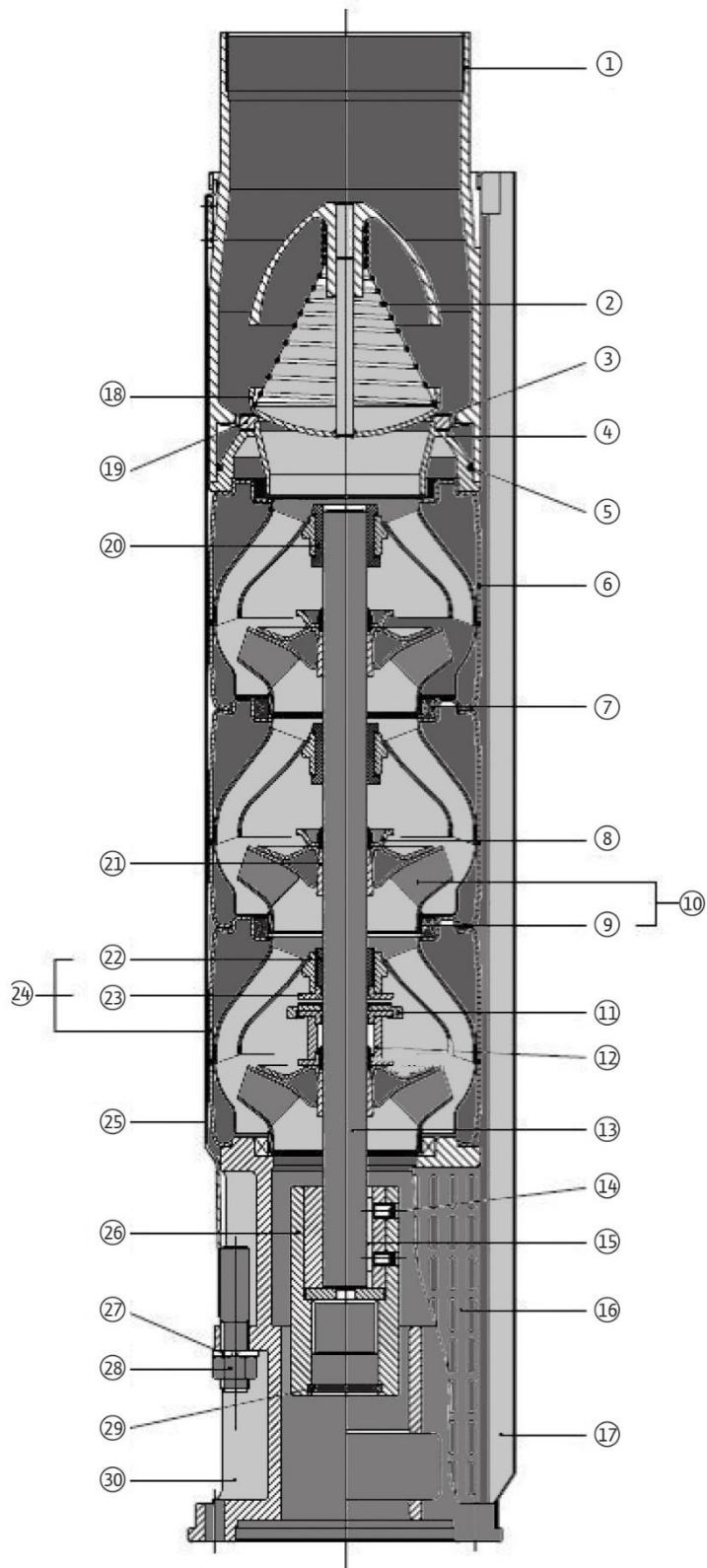
| No | Part Name | Material | Q |
|----|------------------------|------------------------|--------|
| 1 | Valve Casing/Discharge | STS304 | 1 |
| 2 | Spring | STS304 | 1 |
| 3 | Upper retainer | STS304 | 1 |
| 4 | Lower retainer | STS304 | 1 |
| 5 | O-ring | NBR | 1 |
| 6 | Diffuser | STS304 | stages |
| 7 | Neck ring | STS304+NBR | stages |
| 8 | Split cone nut | STS304 | stages |
| 9 | Ring of impeller | STS304 | stages |
| 10 | Impeller | STS304 | stages |
| 11 | Space washer | MoO ₂ +PTFE | 1 |
| 12 | Nut for stop ring | STS304 | 1 |
| 13 | Shaft | STS431 | 1 |
| 14 | Screw | STS304 | 2 |
| 15 | Key | STS304 | 2 |
| 16 | Strainer | STS304 | 1 |
| 17 | Cable guard | STS304 | 1~2 |
| 18 | Valve cup | STS304 | 1 |
| 19 | Valve seat | STS304 | 1 |
| 20 | Bearing | NBR | stages |
| 21 | Spilt cone | STS304 | stages |
| 22 | Bearing | NBR | 1 |
| 23 | Stop Ring | STS304 | 1 |
| 24 | Bottom diffuser | STS304 | 1 |
| 25 | Strap | STS304 | 4 |
| 26 | Coupling | STS304 | 1 |
| 27 | Spring washer | STS304 | 4 |
| 28 | Nut | STS304 | 4 |
| 29 | O-ring | NBR | 1 |
| 30 | Pump base | STS304 | 1 |
| 31 | Suction Interconnector | Cast STS | 1 |



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PSS-125~215 Series (10")**Sectional Drawing & Materials of Parts**

| No | Part Name | Material | Q |
|----|------------------------|------------------------|--------|
| 1 | Valve Casing/Discharge | STS304 | 1 |
| 2 | Spring | STS304 | 1 |
| 3 | Upper retainer | STS304 | 1 |
| 4 | Lower retainer | STS304 | 1 |
| 5 | O-ring | NBR | 1 |
| 6 | Diffuser | STS304 | stages |
| 7 | Neck ring | STS304+NBR | stages |
| 8 | Split cone nut | STS304 | stages |
| 9 | Ring of impeller | STS304 | stages |
| 10 | Impeller | STS304 | stages |
| 11 | Space washer | MoO ₂ +PTFE | 1 |
| 12 | Nut for stop ring | STS304 | 1 |
| 13 | Shaft | STS431 | 1 |
| 14 | Screw | STS304 | 2 |
| 15 | Key | STS304 | 2 |
| 16 | Strainer | STS304 | 1 |
| 17 | Cable guard | STS304 | 1~2 |
| 18 | Valve cup | STS304 | 1 |
| 19 | Valve seat | STS304 | 1 |
| 20 | Bearing | NBR | stages |
| 21 | Spilt cone | STS304 | stages |
| 22 | Bearing | NBR | 1 |
| 23 | Stop Ring | STS304 | 1 |
| 24 | Bottom diffuser | STS304 | 1 |
| 25 | Strap | STS304 | 4 |
| 26 | Coupling | STS304 | 1 |
| 27 | Spring washer | STS304 | 4 |
| 28 | Nut | STS304 | 4 |
| 29 | O-ring | NBR | 1 |
| 30 | Pump base | STS304 | 1 |
| 31 | Suction Interconnector | Cast STS | 1 |



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WILO SE
Nortkirchenstraße 100
44263 Dortmund
T +49 231 4102-7516
F +49 231 4102-7666
wilo@wilo.com
www.wilo.com

Wilo SE Representative Office (Philippines)
8F Unit 810 The Infinity
26th Street, Bonifacio Global City
Taguig City, 1634 Philippines
T +632 553 4016
F +632 553 0544
sales@wilo-philippines.com
www.wilo.com