



The electropumps 4SDP 1,2,3,6 series comply with the European Regulation no. 547/2012.

Materials

| Pump | 4SDP | 6SD, 6SDN |
|-----------------|----------------------|----------------------|
| Components | | |
| External jacket | Cr-Ni steel AISI 304 | Cr-Ni steel AISI 304 |
| Stage casing | Cr-Ni steel AISI 304 | Cr-Ni steel AISI 304 |
| Diffuser | Polycarbonate | GFN2V* (NORYL®)* |
| Impeller | GFN2V* (NORYL®)* | GFN2V* (NORYL®)* |
| Wear ring | - | Cr-Ni steel AISI 304 |
| Shaft | Cr-Ni steel AISI 304 | Cr steel AISI 430 F |
| Delivery casing | Cr-Ni steel | Bronze |
| Suction lantern | AISI 304 | G-Cu Sn 10 EN 1982 |
| Bearing bush | POM - POLYACETAL | Rubber |
| Strainer | Cr-Ni steel AISI 304 | Cr-Ni steel AISI 430 |
| Screws | Cr-Ni steel AISI 304 | Cr-Ni steel AISI 304 |

* Trademark of General Electric

Motor

| Components | 4CS-R | 6CS-R |
|----------------|---|--|
| External frame | Cr-Ni steel AISI 304L | Cr-Ni steel AISI 304 (Steel AISI 316 for 6") |
| Motor flange | Cast iron with cathoporesis treatment and protected with a Cr-Ni steel AISI 304 cover | Cast iron GJL 200 EN 1561 |
| Shaft end | Cr-Ni steel AISI 304 | Cr steel AISI 431 |
| Thrust bearing | Oil wetted | Brass pads |

Construction

Submersible borehole pumps for 4" wells (DN 100 mm), and 6" (DN 150 mm), with external jacket in stainless steel AISI 304 and impellers in Noryl.

Impellers

| | |
|---------------------------|-----------------|
| radial floating impellers | 4SDP |
| radial impellers | 6SDN 12, 16, 21 |
| mixed flow impellers | 6SD 18, 19, 20 |

Connection: screwed connection ISO 228.
Delivery casing with built-in non-return valve.

Applications

For water supply.
For civil and industrial applications.
For fire fighting applications.
For irrigation.

Operating conditions

Liquid temperature: - up to a 35 °C for 4" motors
- up to a 25 °C for 6" motors.
Max. sand quantity into the water: 150 g/m³ (300 g/m³ high percentage of solids and sand).
Continuous duty.

Rewindable motor CS-R series

2-pole induction motor, 50 Hz (n ≈ 2900 rpm).
Sized for connection to the pumps according to NEMA Standards.
Standard voltages:

- single-phase 230 V up to 2,2 kW for 4" motors.
- three-phase 230 V; 400 V, for 4" motors.
- three-phase 400 V; 400/690 V, for 6" motors.

Voltage tolerance : +6% / -10%.

In order to limit both current and torque at each starting, for rated motor powers equal to or higher than 7.5 kW, one of the following types of starting is necessary: star/delta, soft starter, stator impedance or autotransformer.

Insulation class F for 4" motors, class E for 6" motors.

Protection IP 68.

Continuous duty.

Motor suitable operation with frequency converter (with suitable filter dv/dt).

Operating conditions motor

| Motor | Max. Liquid temperature | Cooling: minimum flow velocity | Max. starts per hour | Motor P2 |
|-------|-------------------------|--------------------------------|----------------------|-----------|
| 4CS-R | 35 °C | 0,08 m/s | 20 | all types |
| 6CS-R | 30 °C | 0,1 m/s | 15 | 4÷11 kW |
| | | 0,2 m/s | 15 | 13÷15 kW |
| | 25 °C | 0,2 m/s | 15 | 18,5 kW |
| | | 0,2 m/s | 13 | 22÷30 kW |

Special features on request

- Other voltages.
- 60 Hz frequency.
- Other temperatures.
- Encapsulated motor FK series.

Designation

4 SDP M 6 / 14

Ø of the well in inches _____

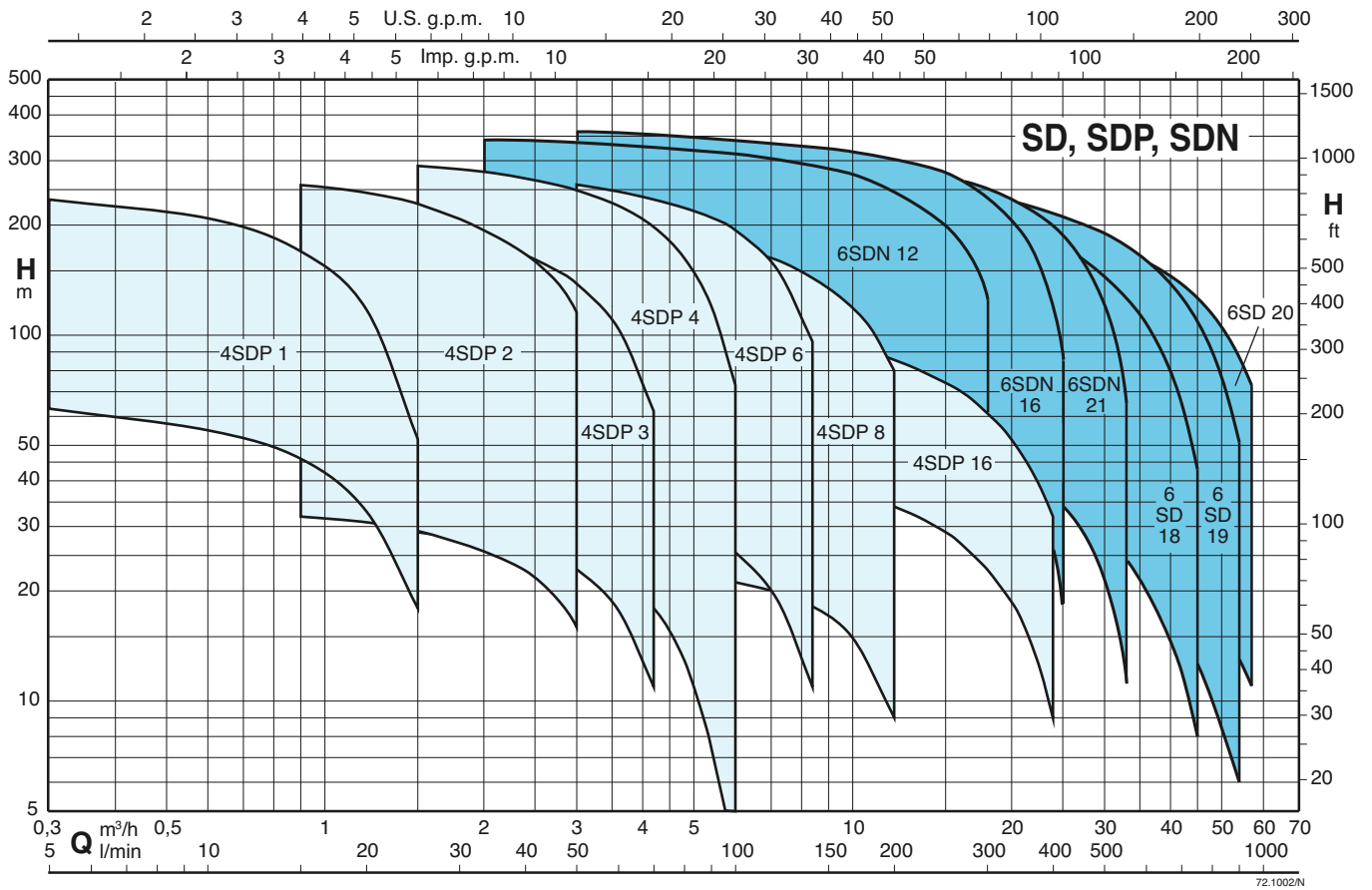
Series _____

Single-phase motor (up to max. 2,2 kW) _____

Stage identification _____

Number of stages _____

Coverage chart $n \approx 2900$ rpm



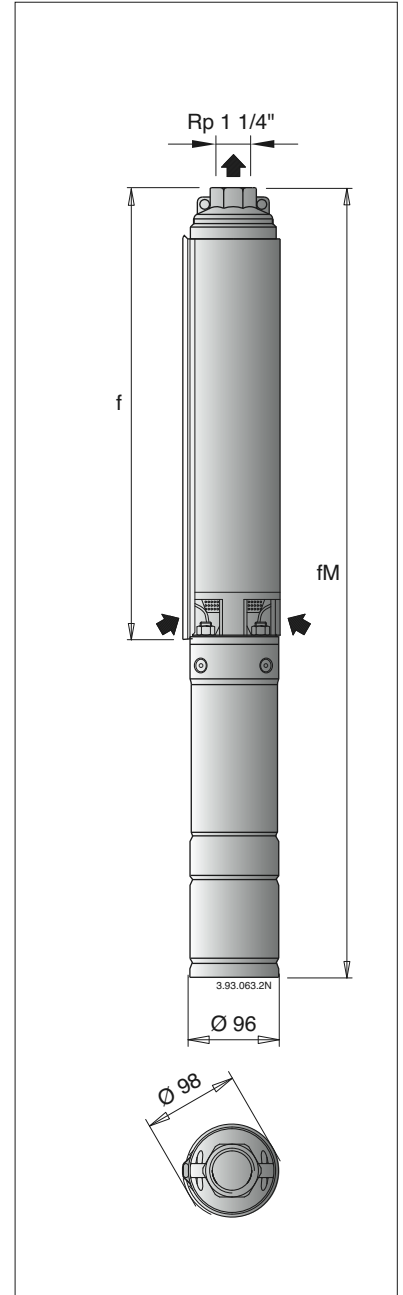
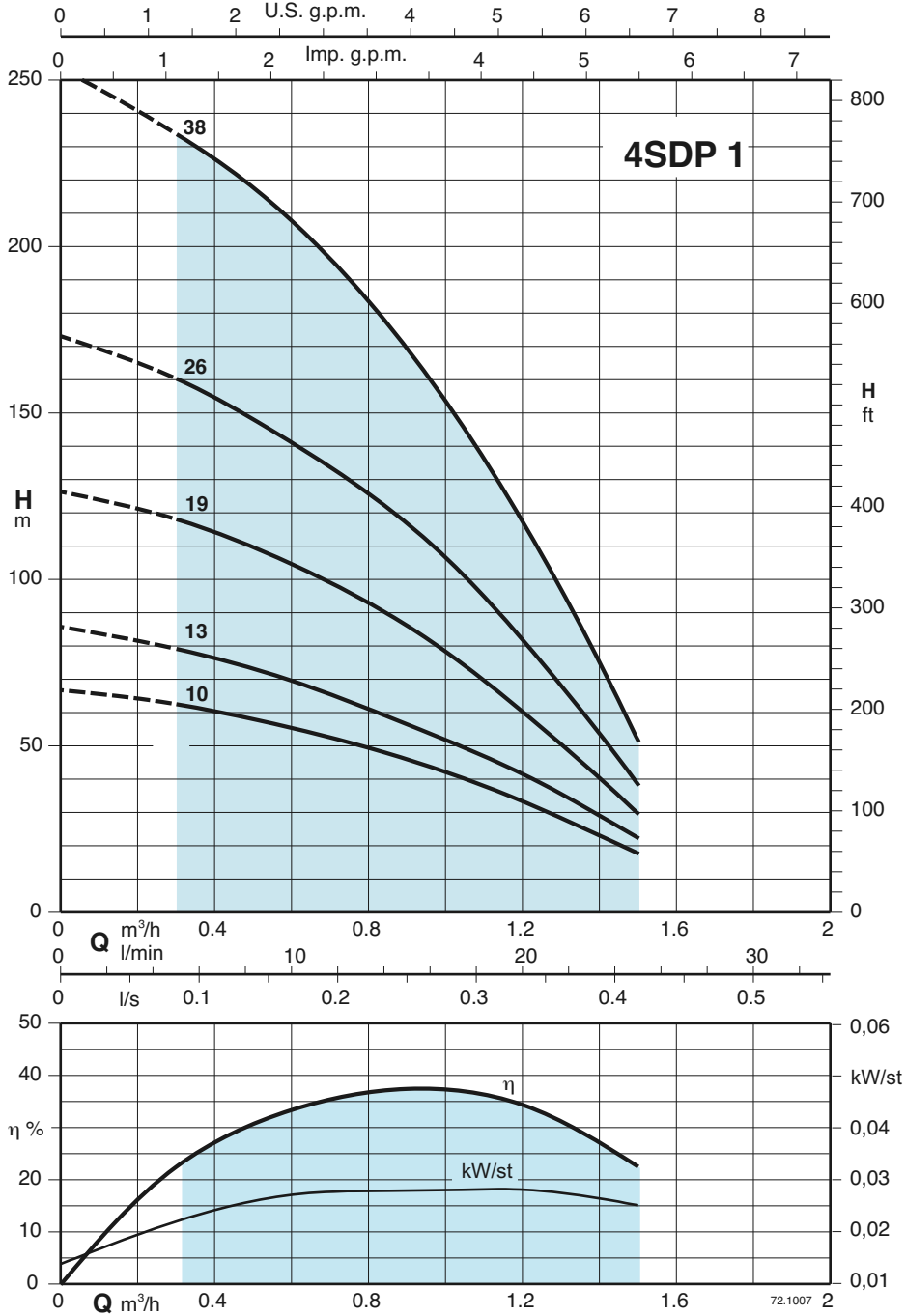
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4SDP 1

Submersible borehole pumps for 4" wells



Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



| 3~ | 400 V (380-415) 50 Hz A | 1~ | 230V Capacitor P1 | | | P2 | | | Q | n ≈ 2900 rpm | | | | | | | | | | |
|------------|----------------------------------|-------------|-------------------|----|------|------|------|------|-----|--------------|-----|-----|-----|-----|-----|--|--|--|--|--|
| | | | 450 Vc | | | kW | HP | m³/h | | n ≈ 2900 rpm | | | | | | | | | | |
| | | | A | μF | kW | | | | | 0 | 0,3 | 0,6 | 0,9 | 1,2 | 1,5 | | | | | |
| 4SDP 1/10C | 1,8 | 4SDPM 1/10C | 3,6 | 20 | 0,72 | 0,37 | 0,5 | H m | 67 | 63 | 55 | 46 | 33 | 18 | | | | | | |
| 4SDP 1/13C | 1,8 | 4SDPM 1/13C | 3,6 | 20 | 0,72 | 0,37 | 0,5 | | 86 | 78 | 70 | 56 | 42 | 23 | | | | | | |
| 4SDP 1/19C | 2 | 4SDPM 1/19C | 4,7 | 25 | 0,95 | 0,55 | 0,75 | | 126 | 118 | 105 | 86 | 60 | 30 | | | | | | |
| 4SDP 1/26C | 2,5 | 4SDPM 1/26C | 5,9 | 35 | 1,22 | 0,75 | 1 | | 173 | 160 | 141 | 117 | 81 | 39 | | | | | | |
| 4SDP 1/38C | 3,4 | 4SDPM 1/38C | 8,3 | 40 | 1,74 | 1,1 | 1,5 | | 253 | 234 | 208 | 169 | 117 | 52 | | | | | | |

| f | 4SDP | | 4SDPM | |
|-----|------|------|-------|------|
| | fM | kg | fM | kg |
| 324 | 635 | 11 | 635 | 10,9 |
| 377 | 688 | 11,4 | 688 | 11,3 |
| 481 | 812 | 12,4 | 812 | 14,1 |
| 642 | 998 | 14,5 | 998 | 15,2 |
| 864 | 1235 | 18,7 | 1260 | 19,9 |

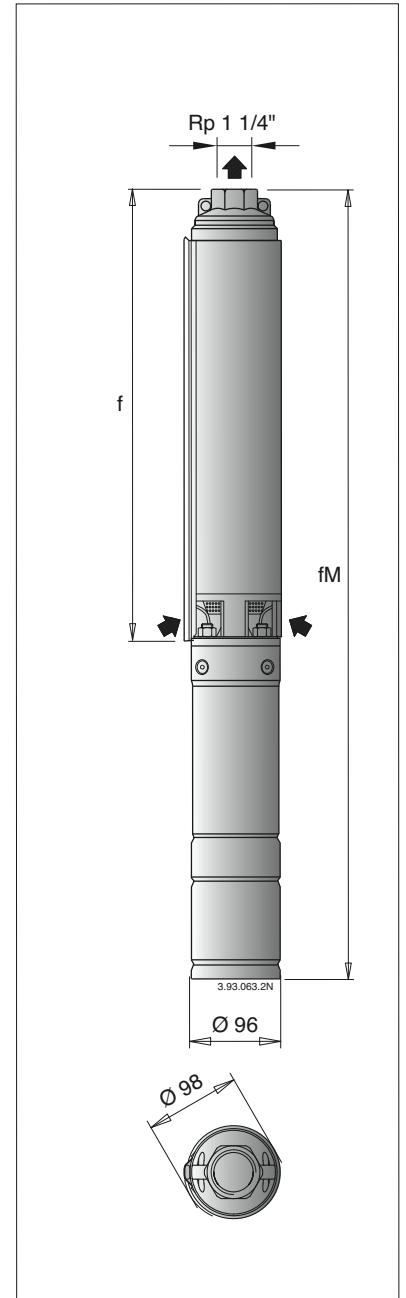
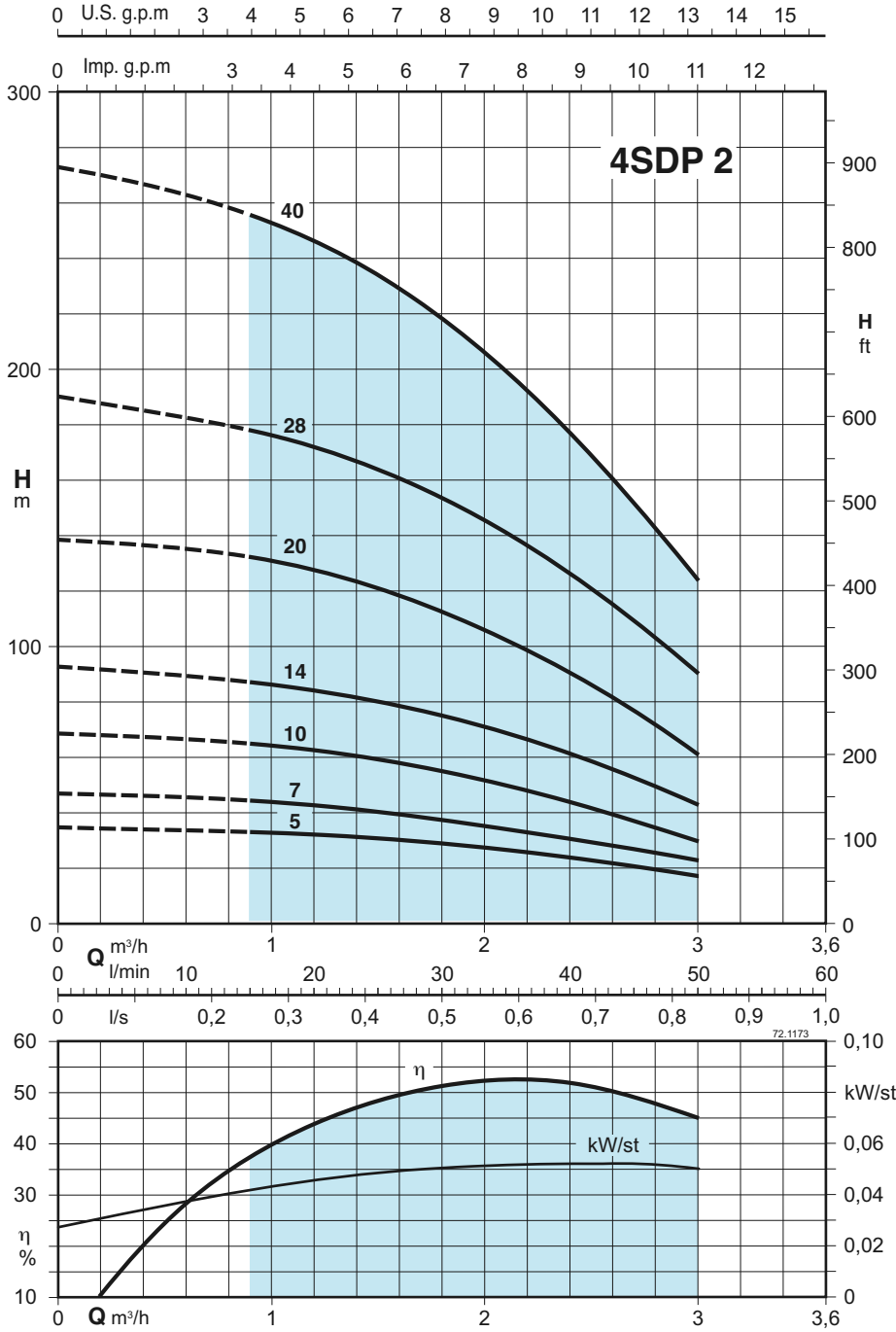
P1 Max. power input P2 Rated motor power output * Only for single-phase motor 230 V - 50 Hz (on request) Tolerances according to UNI EN ISO 9906:2012

4SDP 2

Submersible borehole pumps for 4" wells



Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



| 3~ | 400 V (380-415) 50 Hz A | 1~ | 230V Capacitor P1 | | | P2 | | | Q m³/h l/min | n ≈ 2900 rpm | | | | | | | | | | | | |
|------------|----------------------------------|-------------|-------------------|----|------|------|------|-----|--------------------|--------------|-----|-----|-----|-----|-----|-----|---|--|--|--|--|--|
| | | | A | μF | kW | kW | HP | H m | | | | | | | | | | | | | | |
| | | | | | | | | 0 | | 0,9 | 1,2 | 1,5 | 1,8 | 2,1 | 2,4 | 2,7 | 3 | | | | | |
| 4SDP 2/5C | 1,2 | 4SDPM 2/5C | 3,6 | 20 | 0,72 | 0,37 | 0,5 | 34 | 32 | 31 | 29 | 27 | 25 | 23 | 19 | 16 | | | | | | |
| 4SDP 2/7C | 1,2 | 4SDPM 2/7C | 3,6 | 20 | 0,72 | 0,37 | 0,5 | 46 | 43 | 42 | 39 | 36 | 33 | 29 | 26 | 22 | | | | | | |
| 4SDP 2/10C | 1,5 | 4SDPM 2/10C | 4,7 | 25 | 0,95 | 0,55 | 0,75 | 67 | 64 | 61 | 58 | 54 | 49 | 43 | 36 | 28 | | | | | | |
| 4SDP 2/14C | 2,2 | 4SDPM 2/14C | 5,9 | 35 | 1,22 | 0,75 | 1 | 92 | 86 | 83 | 79 | 74 | 67 | 60 | 52 | 42 | | | | | | |
| 4SDP 2/20C | 2,8 | 4SDPM 2/20C | 8,3 | 40 | 1,74 | 1,1 | 1,5 | 139 | 131 | 127 | 120 | 111 | 101 | 90 | 75 | 60 | | | | | | |
| 4SDP 2/28C | 3,5 | 4SDPM 2/28C | 10,7 | 60 | 2,29 | 1,5 | 2 | 190 | 178 | 172 | 163 | 153 | 141 | 126 | 108 | 89 | | | | | | |
| 4SDP 2/40C | 5,5 | 4SDPM 2/40C | 15,2 | 80 | 3,25 | 2,2 | 3 | 273 | 256 | 246 | 234 | 218 | 199 | 177 | 151 | 123 | | | | | | |

| f mm | 4SDP | | | 4SDPM | |
|---------|----------|------|----------|-------|----|
| | fM mm | kg | fM mm | kg | kg |
| 236 | 547 | 10,2 | 547 | 10,1 | |
| 271 | 582 | 10,5 | 582 | 10,4 | |
| 324 | 655 | 11 | 655 | 12,7 | |
| 394 | 750 | 12,6 | 750 | 13,3 | |
| 499 | 870 | 14,4 | 895 | 15,6 | |
| 680 | 1076 | 17,7 | 1117 | 19,3 | |
| 885 | 1322 | 21 | 1377 | 25 | |

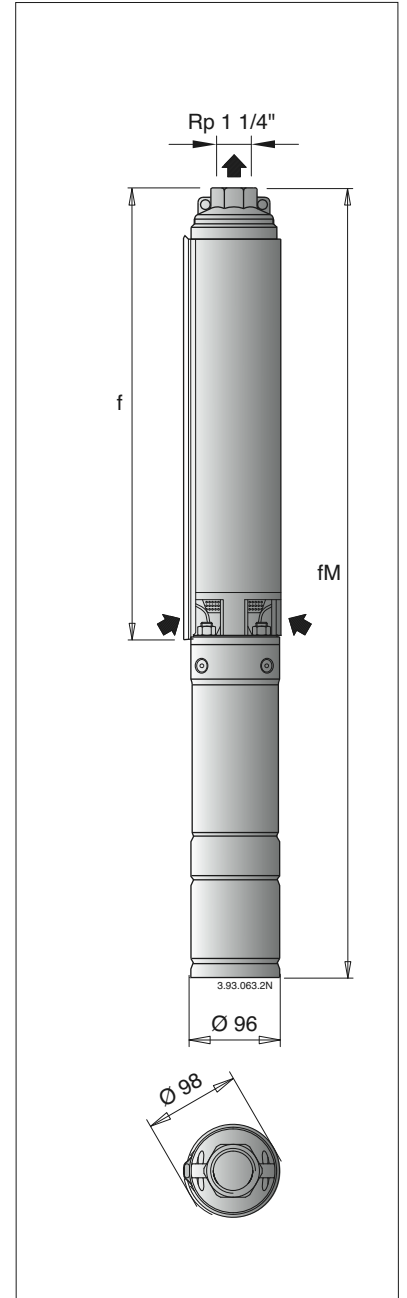
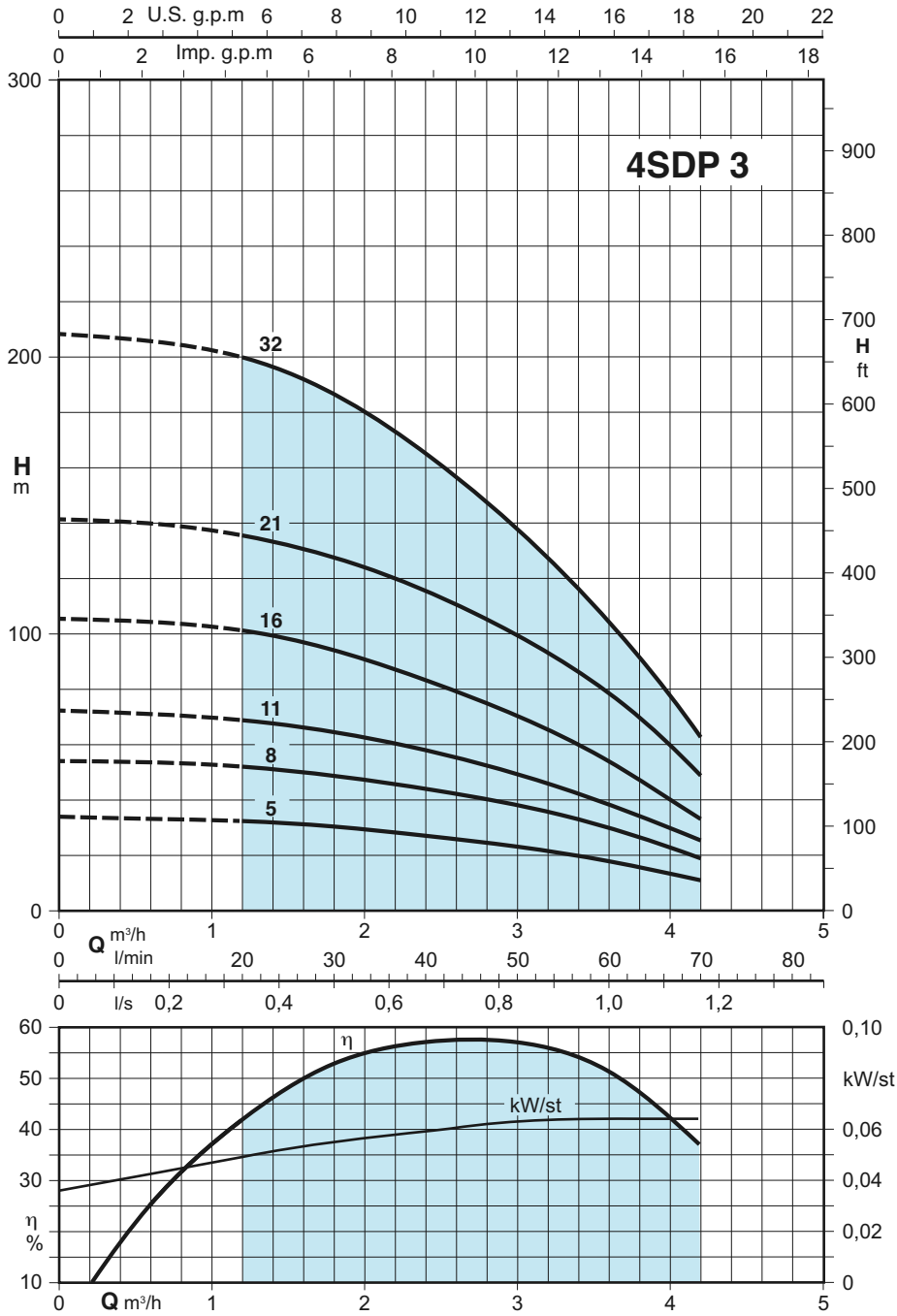
P1: Max. power input P2: Rated motor power output * Only for single-phase motor 230 V - 50 Hz (on request) Tolerances according to UNI EN ISO 9906:2012

4SDP 3

Submersible borehole pumps for 4" wells



Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



| | 400 V (380-415) 50 Hz | | 230V Capacitor P1 | | | P2 | | Q m ³ /h l/min | n ≈ 2900 rpm | | | | | | | | | | |
|------------|-----------------------|-------------|-------------------|----|------|------|------|---------------------------------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | 3~ | A | A | μF | kW | kW | HP | | 0 | 1,2 | 1,5 | 1,8 | 2,1 | 2,4 | 2,7 | 3 | 3,6 | 4,2 | |
| 4SDP 3/5C | 1,8 | 4SDPM 3/5C | 3,6 | 20 | 0,72 | 0,37 | 0,5 | H m | 34 | 32 | 31 | 30 | 29 | 27 | 25 | 23 | 18 | 11 | |
| 4SDP 3/8C | 2 | 4SDPM 3/8C | 4,7 | 25 | 0,95 | 0,55 | 0,75 | | 54 | 51 | 50 | 49 | 46 | 43 | 41 | 38 | 30 | 19 | |
| 4SDP 3/11C | 2,5 | 4SDPM 3/11C | 5,9 | 35 | 1,22 | 0,75 | 1 | | 72 | 68 | 66 | 64 | 61 | 58 | 54 | 49 | 38 | 26 | |
| 4SDP 3/16C | 3,4 | 4SDPM 3/16C | 8,3 | 40 | 1,74 | 1,1 | 1,5 | | 106 | 101 | 98 | 95 | 89 | 83 | 77 | 70 | 54 | 33 | |
| 4SDP 3/21C | 4,8 | 4SDPM 3/21C | 10,7 | 60 | 2,29 | 1,5 | 2 | | 142 | 135 | 132 | 127 | 122 | 115 | 108 | 100 | 79 | 49 | |
| 4SDP 3/32C | 6,1 | 4SDPM 3/32C | 15,2 | 80 | 3,25 | 2,2 | 3 | | 208 | 200 | 194 | 187 | 177 | 165 | 152 | 138 | 104 | 62 | |

| f | 4SDP | | | 4SDPM | | |
|-----|------|-------|------|-------|----|----|
| | mm | fM mm | kg | fM mm | kg | kg |
| 236 | 547 | 10,2 | 547 | 10,1 | | |
| 289 | 620 | 10,6 | 620 | 12,3 | | |
| 342 | 698 | 12,1 | 698 | 12,8 | | |
| 430 | 801 | 13,7 | 826 | 14,9 | | |
| 519 | 915 | 15,8 | 956 | 17,4 | | |
| 787 | 1224 | 19,8 | 1279 | 23,8 | | |

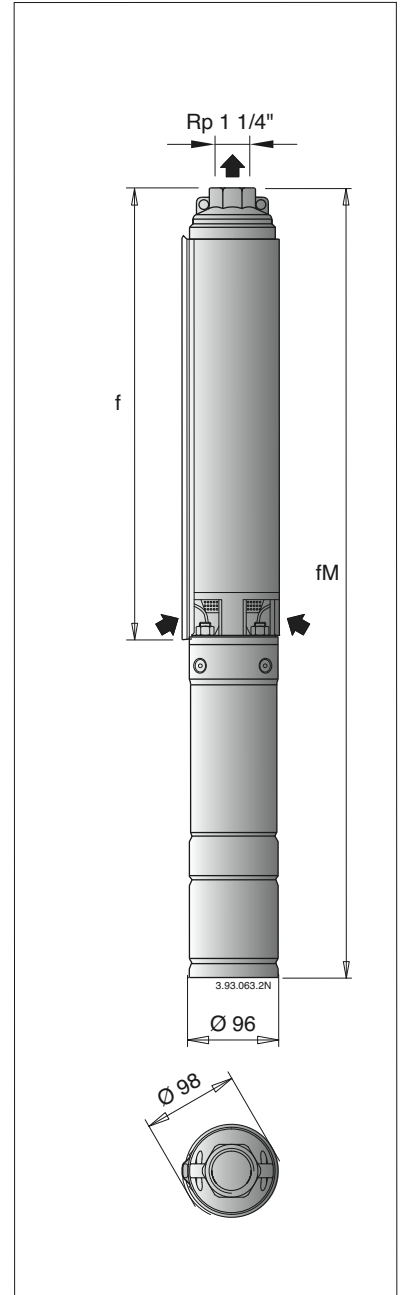
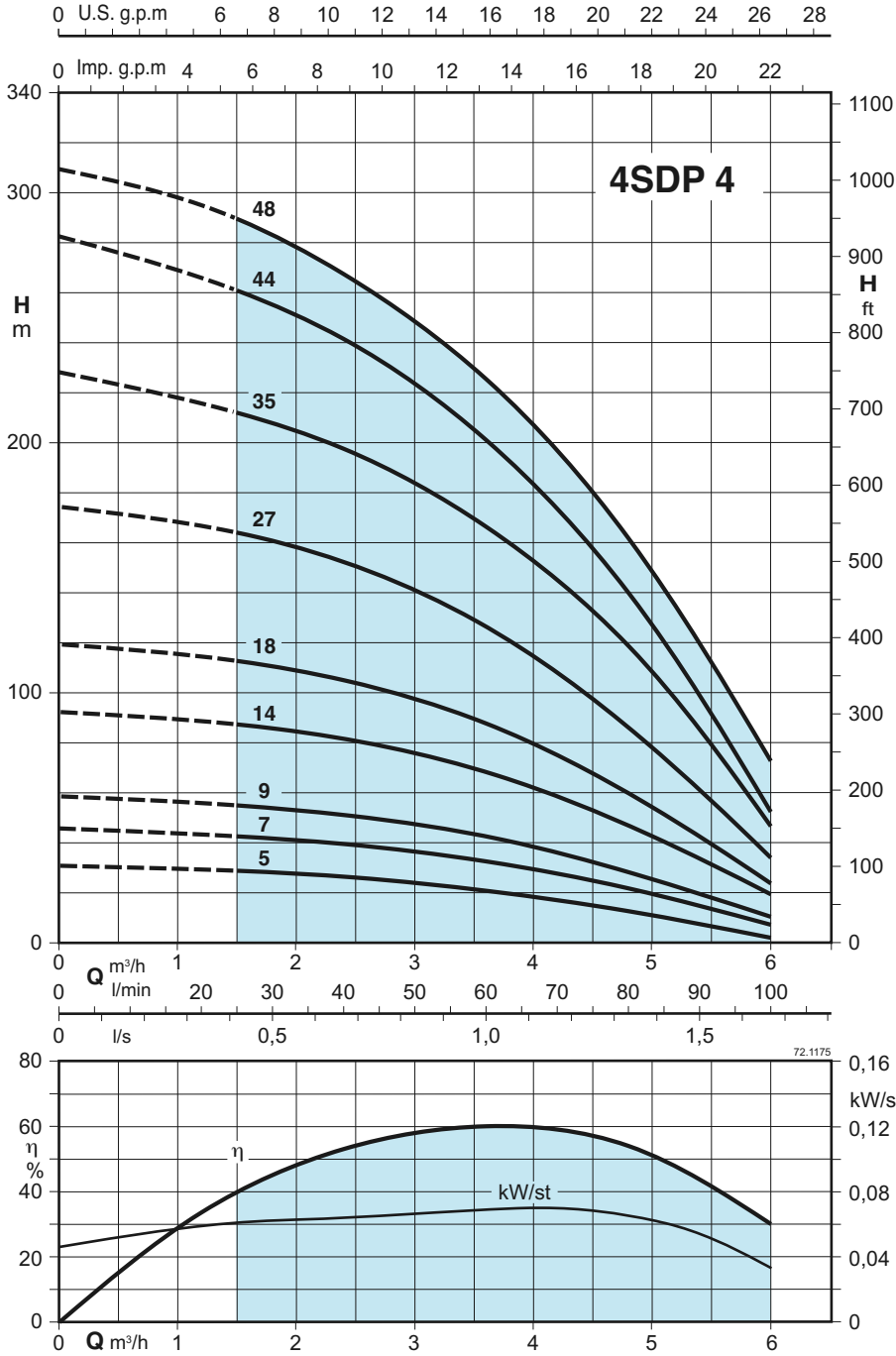
P1: Max. power input

P2: Rated motor power output

* Only for single-phase motor 230 V - 50 Hz (on request)

Tolerances according to UNI EN ISO 9906:2012

Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



| 3~ | 400 V (380-415) 50 Hz | 1~ | 230V Capacitor P1 | | | | P2 | | Q | n ≈ 2900 rpm | | | | | | | | | | | | |
|------------|-----------------------------|-------------|-------------------|----|------|------|------|-----|-----|--------------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| | | | 450 Vc | | | | kW | HP | | m³/h | H m | | | | | | | | | | | |
| | | | A | μF | kW | HP | | | | | 0 | 1,5 | 1,8 | 2,1 | 2,4 | 3 | 3,6 | 4,2 | 4,8 | 6 | | |
| 4SDP 4/5C | 1,8 | 4SDPM 4/5C | 3,6 | 20 | 0,72 | 0,37 | 0,5 | 33 | 29 | 28 | 27 | 26 | 24 | 21 | 18 | 13 | 3 | 257 | 568 | 10,4 | 568 | 10,3 |
| 4SDP 4/7C | 2 | 4SDPM 4/7C | 4,7 | 25 | 0,95 | 0,55 | 0,75 | 46 | 43 | 42 | 41 | 39 | 36 | 33 | 28 | 22 | 7 | 301 | 632 | 10,7 | 632 | 12,4 |
| 4SDP 4/9C | 2,5 | 4SDPM 4/9C | 5,9 | 35 | 1,22 | 0,75 | 1 | 59 | 55 | 54 | 52 | 51 | 47 | 43 | 37 | 28 | 10 | 344 | 700 | 12 | 700 | 12,7 |
| 4SDP 4/14C | 3,4 | 4SDPM 4/14C | 8,3 | 40 | 1,74 | 1,1 | 1,5 | 93 | 87 | 86 | 83 | 81 | 76 | 68 | 58 | 47 | 20 | 452 | 823 | 13,6 | 848 | 14,8 |
| 4SDP 4/18C | 4,8 | 4SDPM 4/18C | 10,7 | 60 | 2,29 | 1,5 | 2 | 120 | 113 | 111 | 108 | 105 | 98 | 88 | 75 | 60 | 25 | 538 | 934 | 15,5 | 975 | 17,1 |
| 4SDP 4/27C | 6,1 | 4SDPM 4/27C | 15,2 | 80 | 3,25 | 2,2 | 3 | 175 | 164 | 161 | 157 | 152 | 141 | 127 | 109 | 87 | 35 | 805 | 1242 | 18,9 | 1297 | 22,9 |
| 4SDP 4/35C | 7,1 | | | | | 3 | 4 | 228 | 212 | 208 | 203 | 197 | 184 | 166 | 145 | 119 | 46 | 972 | 1422 | 23,8 | | |
| 4SDP 4/44C | 9,2 | | | | | 4 | 5,5 | 282 | 261 | 255 | 249 | 241 | 223 | 201 | 173 | 140 | 52 | 1166 | 1671 | 28,5 | | |
| 4SDP 4/48C | 9,2 | | | | | 4 | 5,5 | 309 | 289 | 283 | 276 | 267 | 248 | 225 | 197 | 162 | 73 | 1291 | 1796 | 29,1 | | |

P1: Max. power input

P2: Rated motor power output

* Only for single-phase motor 230 V - 50 Hz (on request)

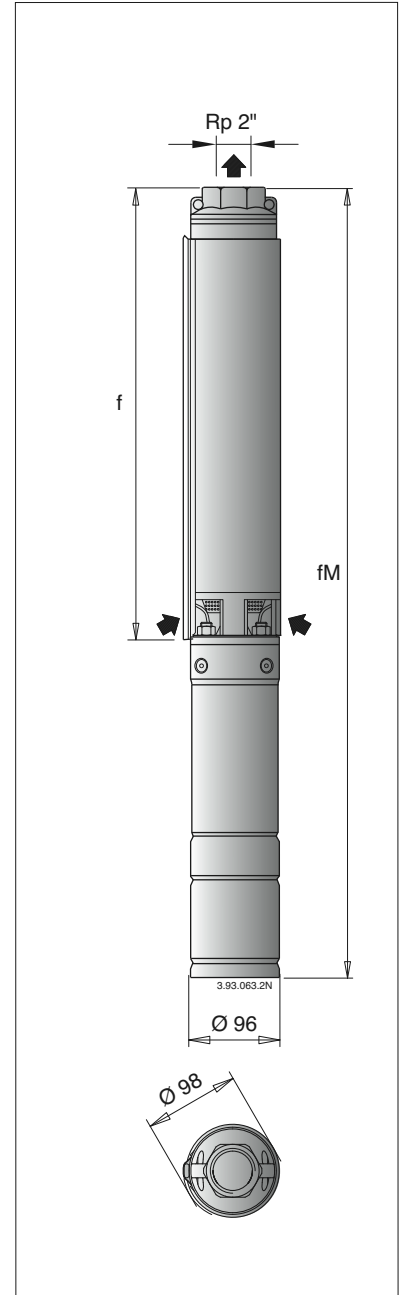
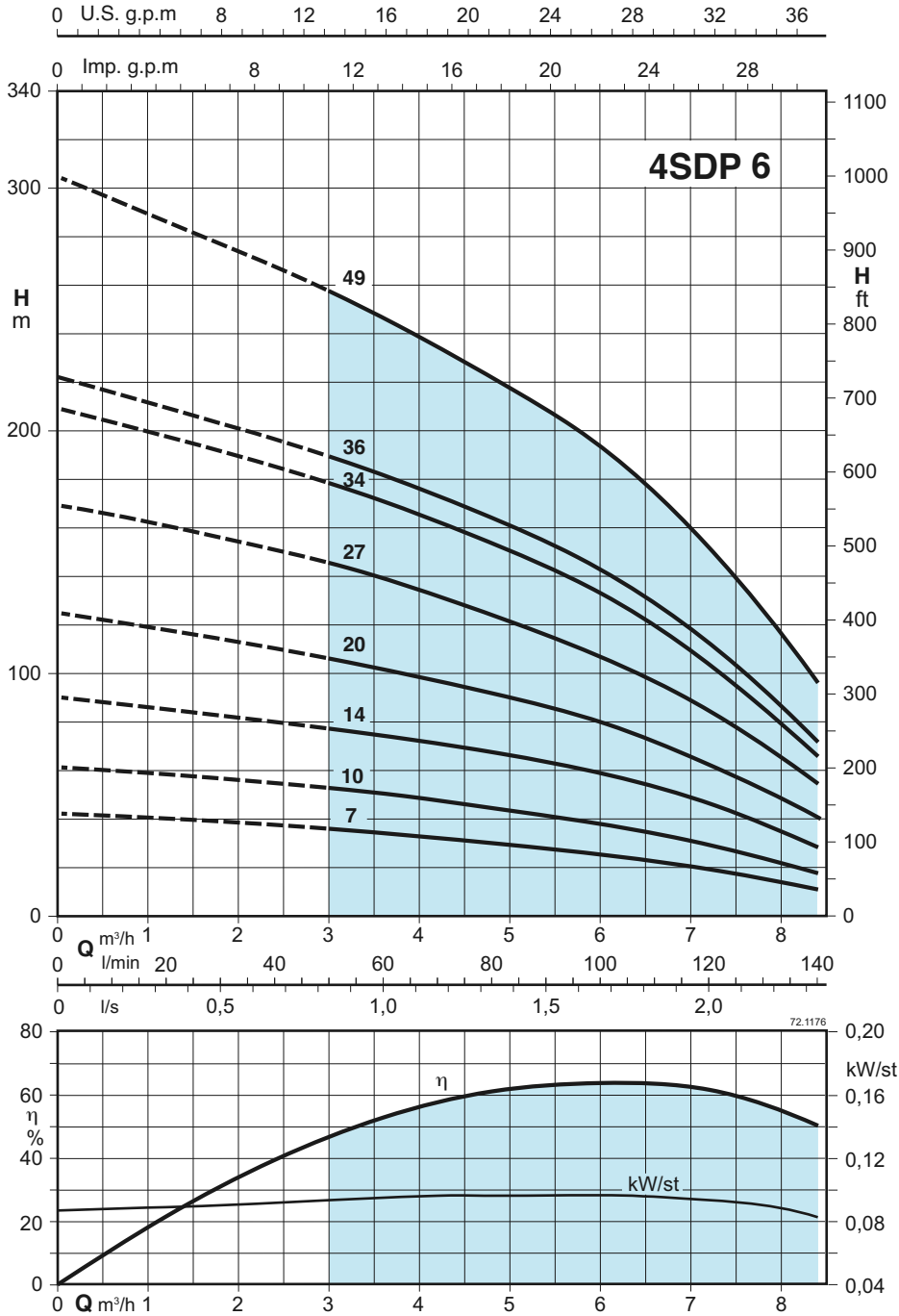
Tolerances according to UNI EN ISO 9906:2012

4SDP 6

Submersible borehole pumps for 4" wells



Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



| | 3~ 400 V (380-415) 50 Hz | | 1~ 230V Capacitor P1 450 Vc | | | | P2 | | Q | n ≈ 2900 rpm | | | | | | | | | | |
|------------|--------------------------|-------------|-----------------------------|----|------|------|-----|------|-----|--------------|-----|-----|-----|-----|-----|----|-----|-----|--|--|
| | A | | A | μF | kW | kW | HP | m³/h | | H m | | | | | | | | | | |
| | | | | | | | | | | 0 | 3 | 3,6 | 4,2 | 4,8 | 5,4 | 6 | 7,2 | 8,4 | | |
| 4SDP 6/7C | 2,5 | 4SDPM 6/7C | 5,9 | 35 | 1,22 | 0,75 | 1 | 42 | 36 | 34 | 32 | 30 | 28 | 25 | 19 | 11 | | | | |
| 4SDP 6/10C | 3,4 | 4SDPM 6/10C | 8,3 | 40 | 1,74 | 1,1 | 1,5 | 62 | 53 | 51 | 48 | 45 | 41 | 38 | 29 | 18 | | | | |
| 4SDP 6/14C | 4,8 | 4SDPM 6/14C | 10,7 | 60 | 2,29 | 1,5 | 2 | 90 | 77 | 74 | 71 | 68 | 63 | 59 | 46 | 28 | | | | |
| 4SDP 6/20C | 6,1 | 4SDPM 6/20C | 15,2 | 80 | 3,25 | 2,2 | 3 | 125 | 107 | 102 | 97 | 92 | 86 | 80 | 62 | 40 | | | | |
| 4SDP 6/27C | 7,1 | | | | | 3 | 4 | 169 | 145 | 139 | 131 | 123 | 115 | 107 | 84 | 55 | | | | |
| 4SDP 6/34C | 9,2 | | | | | 4 | 5,5 | 208 | 178 | 170 | 162 | 153 | 143 | 132 | 103 | 66 | | | | |
| 4SDP 6/36C | 9,2 | | | | | 4 | 5,5 | 221 | 190 | 181 | 173 | 164 | 154 | 143 | 112 | 72 | | | | |
| 4SDP 6/49C | 12,3 | | | | | 5,5 | 7,5 | 302 | 257 | 246 | 234 | 222 | 209 | 193 | 151 | 96 | | | | |

| f | 4SDP | | | 4SDPM | |
|------|------|-------|------|-------|----|
| | mm | fM mm | kg | fM mm | kg |
| 390 | 746 | 12,4 | 746 | 13,1 | |
| 483 | 854 | 14,1 | 879 | 15,3 | |
| 607 | 1003 | 16,5 | 1044 | 18,1 | |
| 831 | 1268 | 19,2 | 1323 | 23,2 | |
| 1086 | 1536 | 25,5 | | | |
| 1295 | 1800 | 30,8 | | | |
| 1356 | 1861 | 31,4 | | | |
| 1840 | 2429 | 39,9 | | | |

P1: Max. power input

P2: Rated motor power output

* Only for single-phase motor 230 V - 50 Hz (on request)

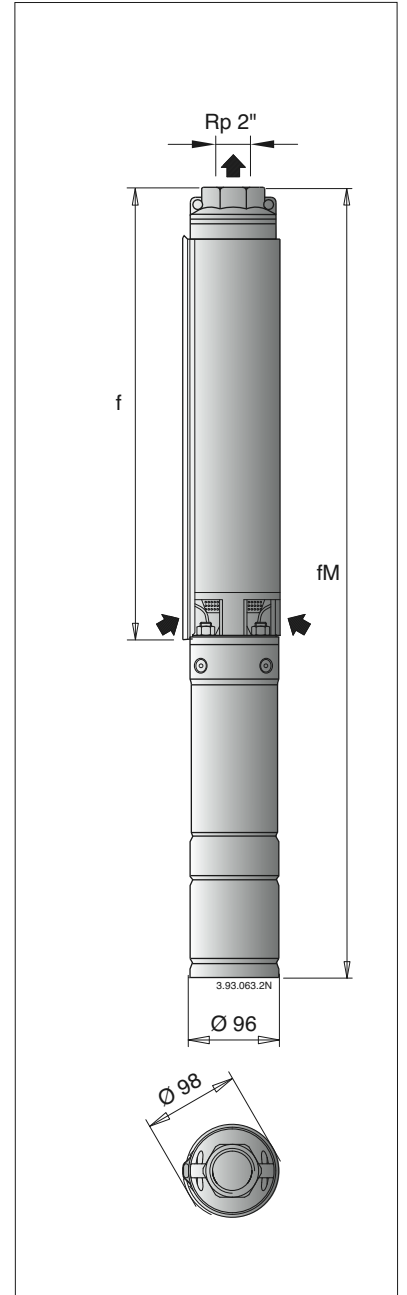
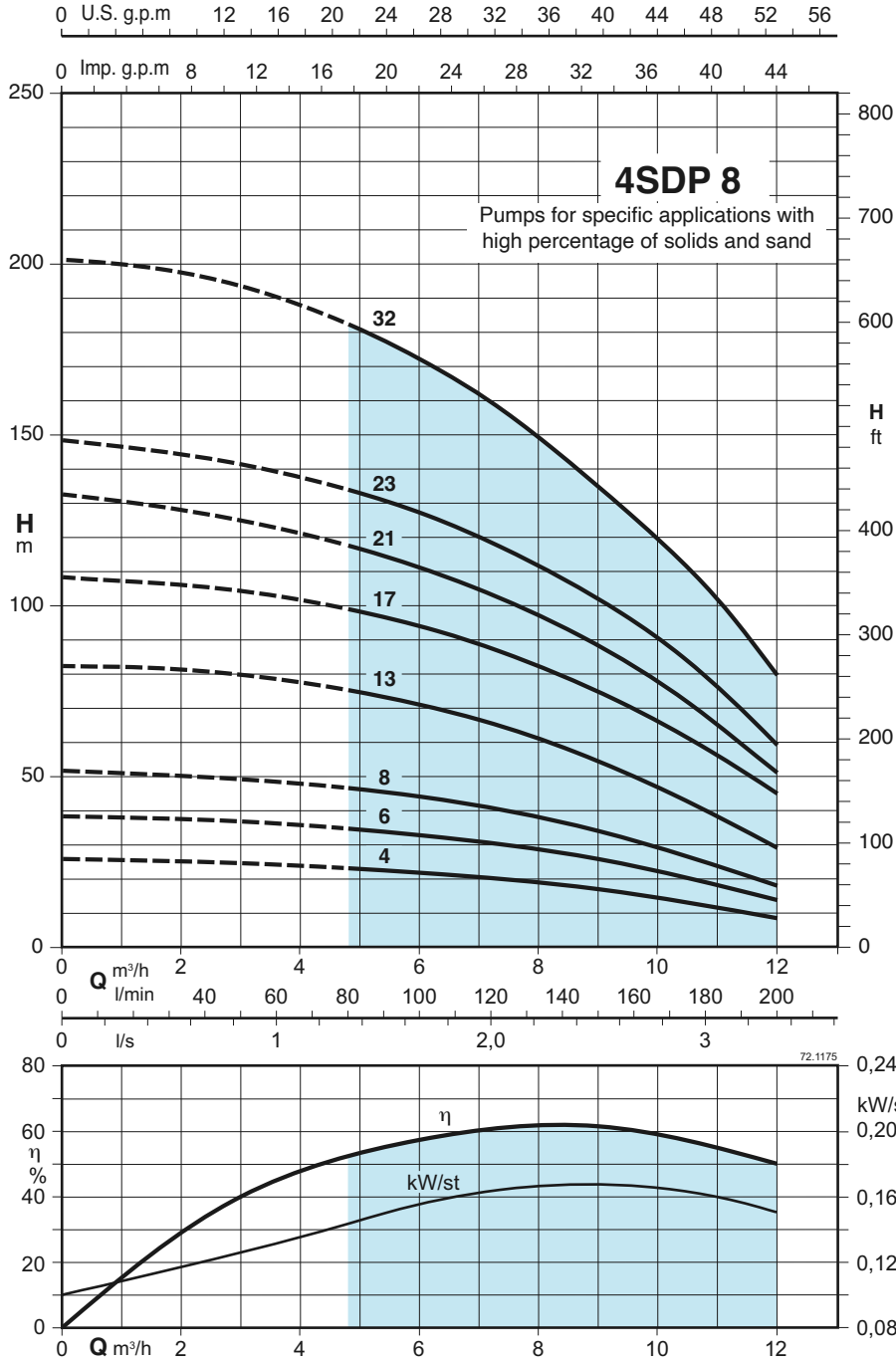
Tolerances according to UNI EN ISO 9906:2012

4SDP 8

Submersible borehole pumps for 4" wells



Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



| | 3~ 400 V (380-415) 50 Hz | | 1~ 230V Capacitor P1 | | P2 | | | Q m³/h l/min | n ≈ 2900 rpm | | | | | | | | | | | | | | |
|------------|--------------------------|--|----------------------|------|----|------|------|--------------------|--------------|-----|-----|-----|-----|-----|-----|------|----|--|--|--|--|--|--|
| | A | | 450 Vc | | kW | kW | HP | | H m | | | | | | | | | | | | | | |
| | A | | A | μF | | | | | 0 | 4,8 | 5,4 | 6 | 7,2 | 8,4 | 9,6 | 10,8 | 12 | | | | | | |
| 4SDP 8/4C | 2,5 | | 4SDPM 8/4C | 5,9 | 35 | 1,22 | 0,75 | 1 | 26 | 23 | 22 | 21 | 20 | 18 | 16 | 12 | 9 | | | | | | |
| 4SDP 8/6C | 3,4 | | 4SDPM 8/6C | 8,3 | 40 | 1,74 | 1,1 | 1,5 | 38 | 35 | 34 | 33 | 31 | 28 | 24 | 19 | 14 | | | | | | |
| 4SDP 8/8C | 4,8 | | 4SDPM 8/8C | 10,7 | 60 | 2,29 | 1,5 | 2 | 52 | 47 | 45 | 44 | 41 | 37 | 31 | 25 | 18 | | | | | | |
| 4SDP 8/13C | 6,1 | | 4SDPM 8/13C | 15,2 | 80 | 3,25 | 2,2 | 3 | 82 | 75 | 73 | 71 | 66 | 59 | 50 | 40 | 30 | | | | | | |
| 4SDP 8/17C | 7,1 | | | | | | 3 | 4 | 108 | 98 | 96 | 94 | 87 | 79 | 70 | 58 | 46 | | | | | | |
| 4SDP 8/21C | 9,2 | | | | | | 4 | 5,5 | 132 | 117 | 114 | 111 | 103 | 93 | 82 | 68 | 52 | | | | | | |
| 4SDP 8/23C | 9,2 | | | | | | 4 | 5,5 | 148 | 134 | 131 | 127 | 118 | 108 | 95 | 79 | 60 | | | | | | |
| 4SDP 8/32C | 12,3 | | | | | | 5,5 | 7,5 | 202 | 182 | 178 | 172 | 160 | 143 | 125 | 105 | 80 | | | | | | |

| f | 4SDP | | | 4SDPM | | |
|------|------|------|--|-------|------|--|
| | fM | kg | | fM | kg | |
| 294 | 650 | 11,5 | | 650 | 12,2 | |
| 356 | 727 | 12,9 | | 752 | 14,1 | |
| 418 | 814 | 14,8 | | 855 | 16,4 | |
| 573 | 1010 | 17,2 | | 1065 | 21,2 | |
| 697 | 1147 | 21,5 | | | | |
| 859 | 1364 | 26 | | | | |
| 959 | 1464 | 27,6 | | | | |
| 1276 | 1865 | 35 | | | | |

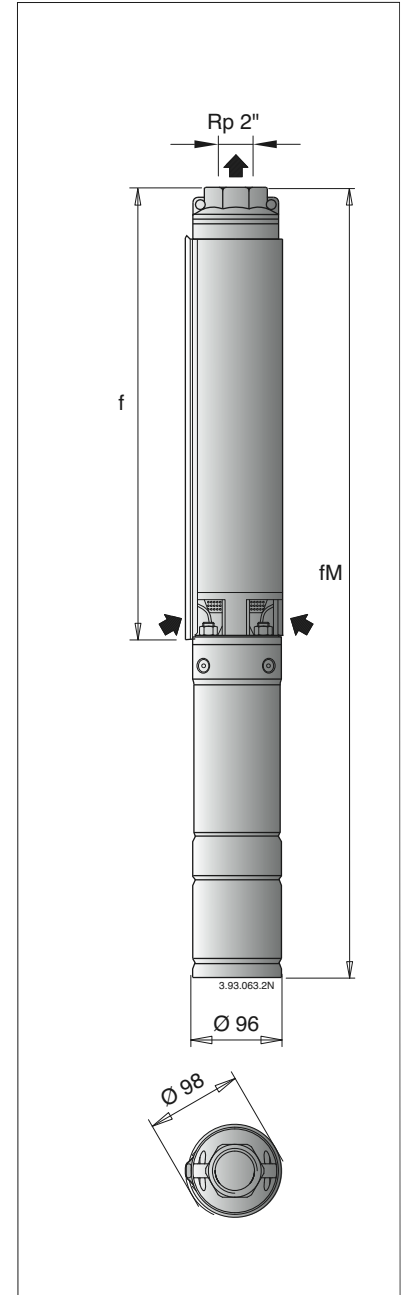
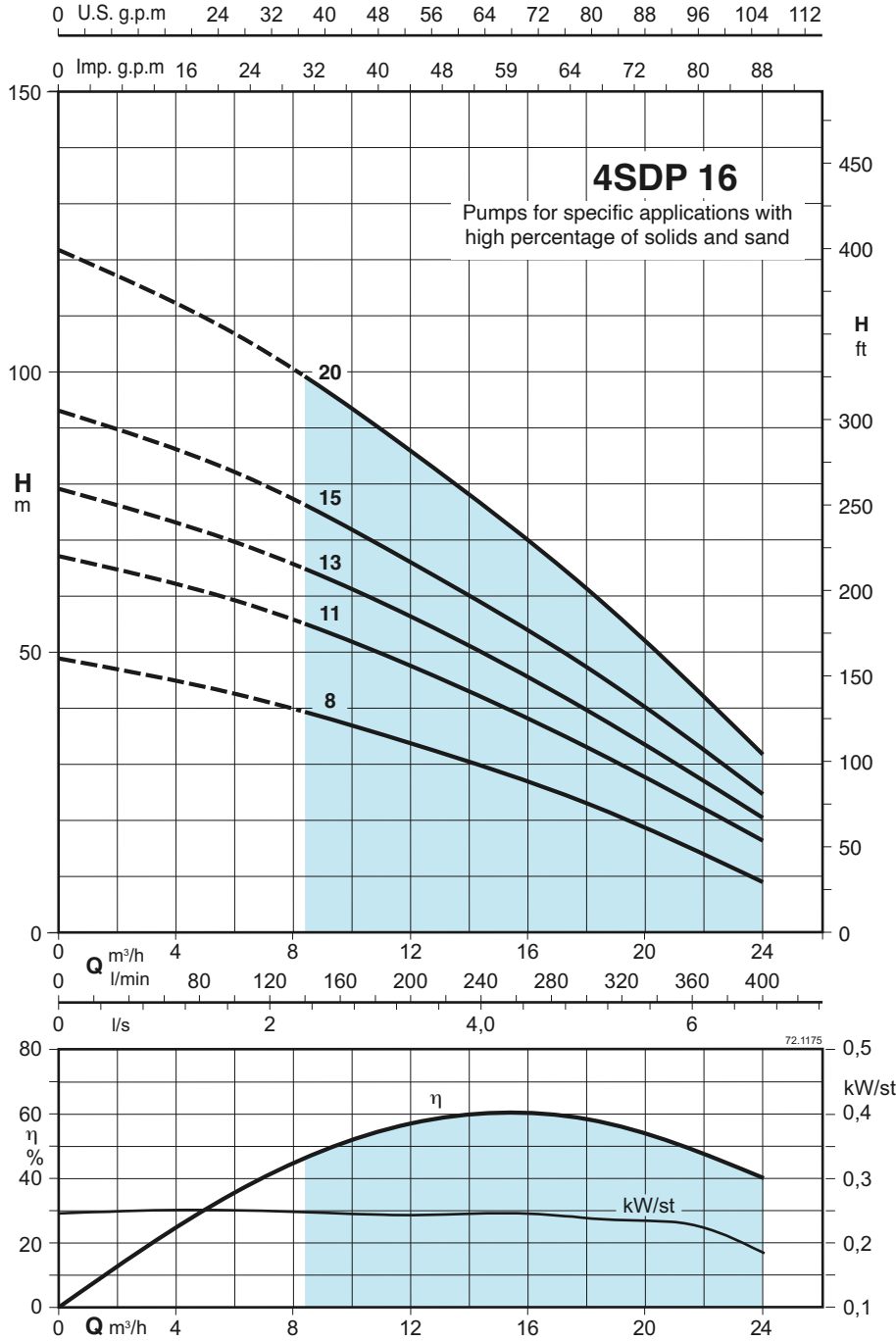
P1: Max. power input P2: Rated motor power output * Only for single-phase motor 230 V - 50 Hz (on request) Tolerances according to UNI EN ISO 9906:2012

4SDP 16

Submersible borehole pumps for 4" wells



Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



| | 400 V (380-415) 50 Hz | | 230V * Capacitor P1 450 Vc | | | | P2 | | Q m ³ /h l/min H m | n \approx 2900 rpm | | | | | | | | | | |
|-------------|-----------------------------|-------------|-------------------------------|---------|------|-----|-----|-----|--|----------------------|-----|------|----|------|------|----|------|----|--|--|
| | 3~ A | 1~ A | A | μ F | kW | kW | HP | Q | | | | | | | | | | | | |
| | | | | | | | | 0 | | 8,4 | 9,6 | 10,8 | 12 | 13,2 | 15,6 | 18 | 21,6 | 24 | | |
| 4SDP 16/8C | 6,1 | 4SDPM 16/8C | 15,2 | 80 | 3,25 | 2,2 | 3 | 49 | 39 | 38 | 36 | 34 | 32 | 28 | 23 | 15 | 9 | | | |
| 4SDP 16/11C | 7,1 | | | | | 3 | 4 | 67 | 55 | 53 | 50 | 48 | 45 | 39 | 33 | 23 | 16 | | | |
| 4SDP 16/13C | 9,2 | | | | | 4 | 5,5 | 79 | 65 | 62 | 59 | 56 | 53 | 47 | 40 | 28 | 20 | | | |
| 4SDP 16/15C | 9,2 | | | | | 4 | 5,5 | 93 | 76 | 73 | 70 | 66 | 62 | 55 | 47 | 34 | 25 | | | |
| 4SDP 16/20C | 12,3 | | | | | 5,5 | 7,5 | 122 | 99 | 95 | 90 | 86 | 81 | 72 | 61 | 44 | 32 | | | |

| f mm | 4SDP | | 4SDPM | |
|---------|----------|------|----------|----|
| | fM mm | kg | fM mm | kg |
| 676 | 1113 | 18 | 1168 | 22 |
| 880 | 1330 | 23 | | |
| 1013 | 1518 | 27,5 | | |
| 1149 | 1654 | 28,7 | | |
| 1489 | 2078 | 36,5 | | |

P₁: Max. power input

P₂: Rated motor power output

* Only for single-phase motor 230 V - 50 Hz (on request)

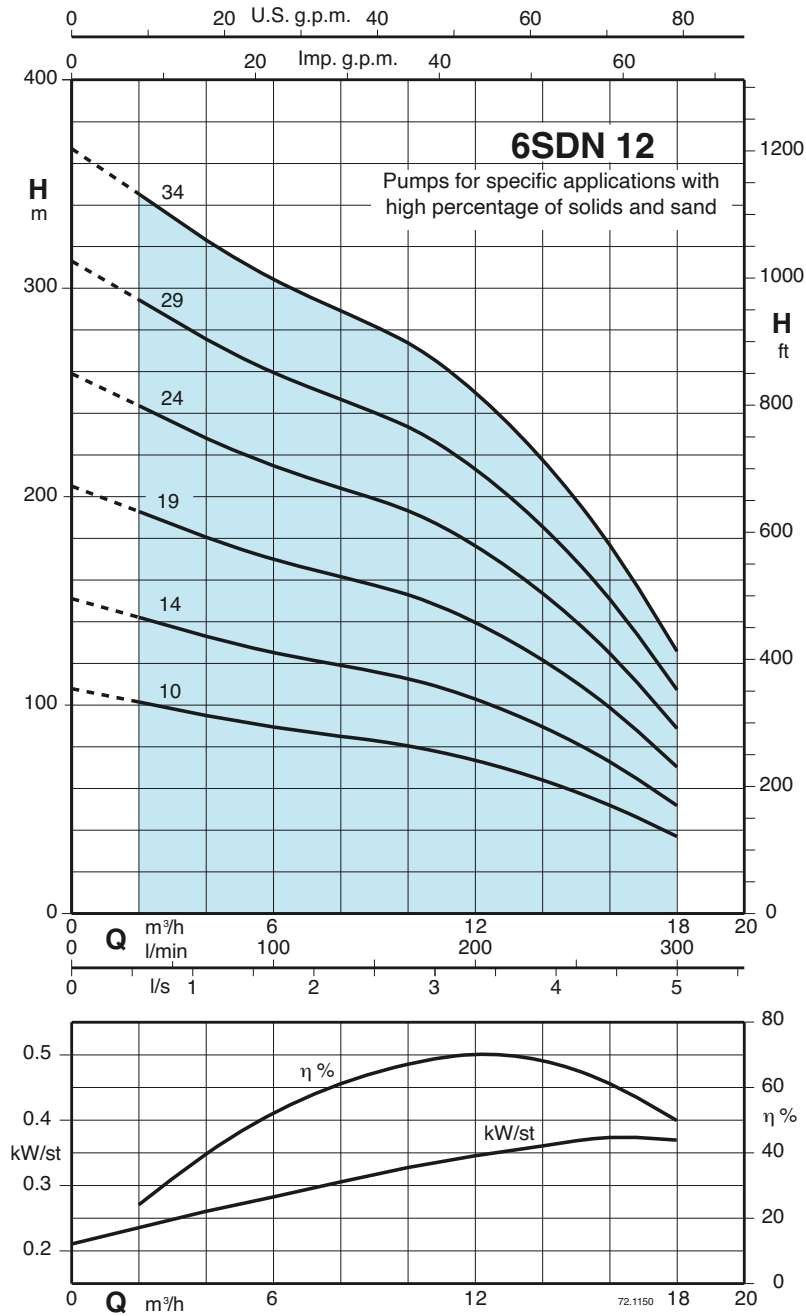
Tolerances according to UNI EN ISO 9906:2012

6SDN 12

Submersible borehole pumps for 6" wells



Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



| 3~ | P ₂ | | Q | n ≈ 2900 rpm | | | | | | | | | | | | | |
|------------|----------------|-----------|-------|--------------|------|------|-------|-------|------|------|-----|------|----|--|--|--|--|
| | kW | HP | | H | | | | | | | | | | | | | |
| | | | | m³/h | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | | | | |
| 6SDN 12/10 | 4 | 5,5 | l/min | 33,3 | 66,6 | 100 | 133,3 | 166,6 | 200 | 233 | 266 | 300 | | | | | |
| 6SDN 12/14 | 5,5 | 7,5 | m | 102 | 95 | 89,5 | 85 | 80,5 | 73,5 | 64 | 52 | 37 | | | | | |
| 6SDN 12/19 | 7,5 | 10 | | 142 | 133 | 125 | 119 | 113 | 103 | 89,5 | 73 | 52 | | | | | |
| 6SDN 12/24 | 9,2 | 12,5 | | 193 | 181 | 170 | 162 | 153 | 140 | 122 | 99 | 70,5 | | | | | |
| 6SDN 12/29 | 11 | 15 | | 244 | 231 | 215 | 204 | 193 | 176 | 154 | 125 | 89 | | | | | |
| 6SDN 12/34 | 13 (15) | 17,5 (20) | | 294 | 276 | 260 | 247 | 233 | 213 | 186 | 151 | 107 | | | | | |
| | | | | 345 | 323 | 304 | 289 | 274 | 250 | 218 | 177 | 126 | | | | | |

| DN | f | |
|----------------|------|------|
| | mm | kg |
| G 3 ISO 228 | 715 | 15,5 |
| | 870 | 17,5 |
| | 1060 | 20 |
| | 1320 | 23 |
| | 1510 | 25,7 |
| | 1705 | 28,5 |

P₂ Rated motor power output

(...) FK motor rated power output

H Total head in m

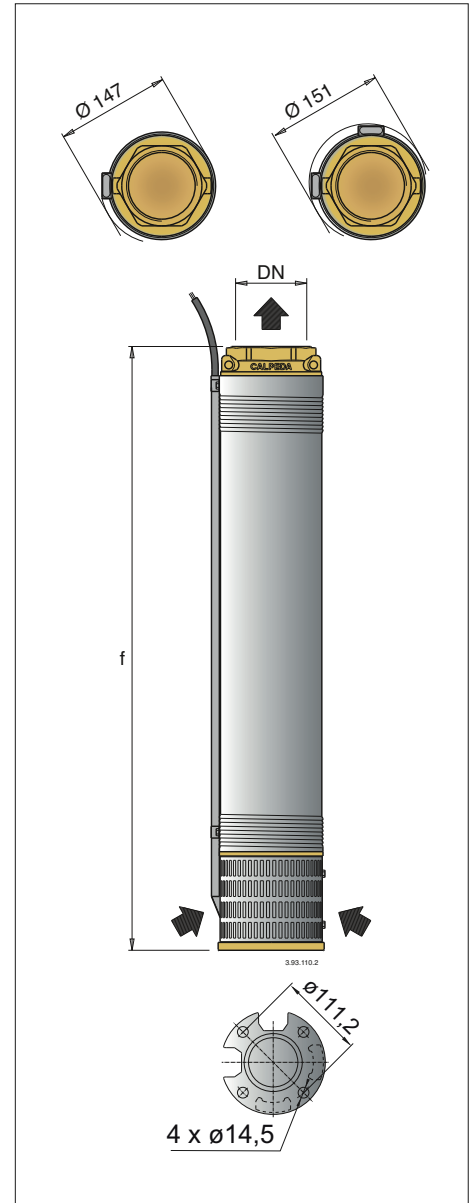
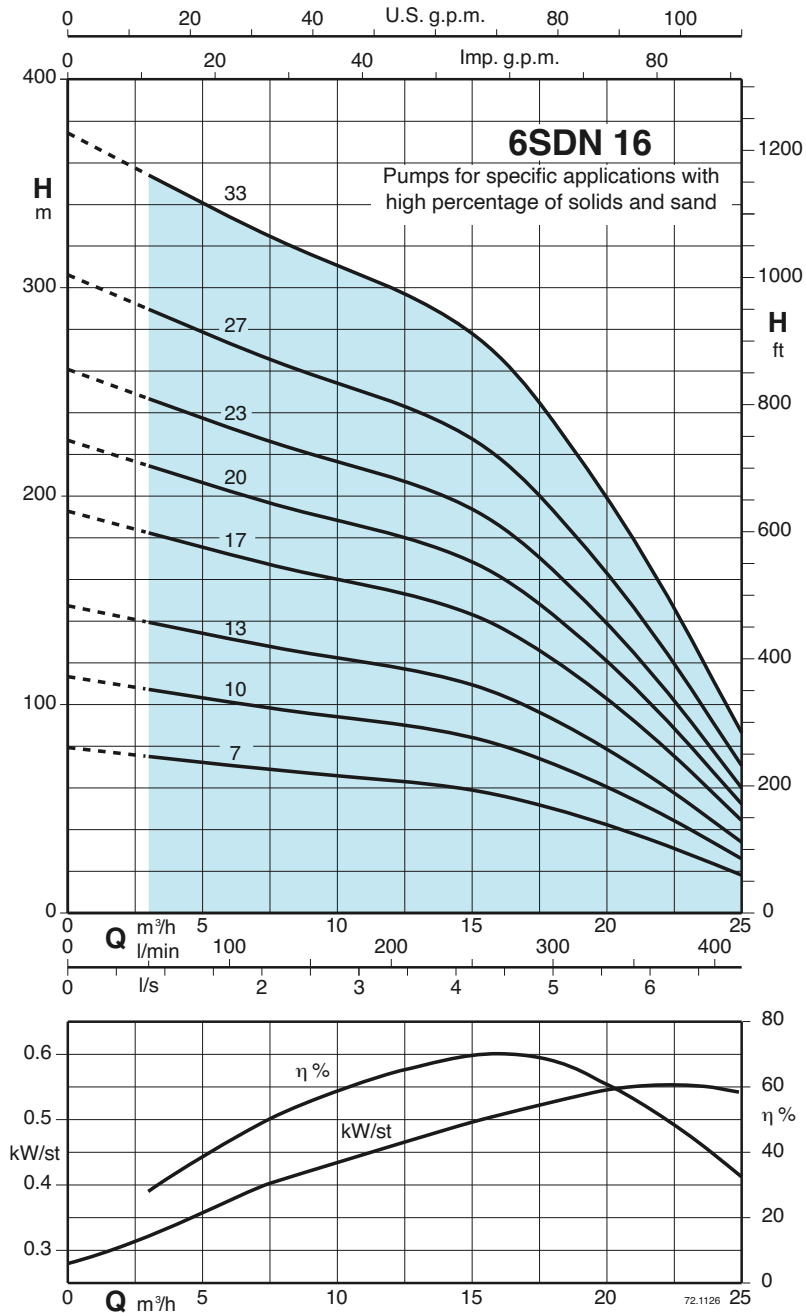
Tolerances according to UNI EN ISO 9906:2012

6SDN 16

Submersible borehole pumps for 6" wells



Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



| 3~ | P ₂ | | Q | n ≈ 2900 rpm | | | | | | | | | | | | | |
|------------|----------------|--------|-----------|--------------|-----|-----|------|-----|------|------|-------|--|--|--|--|--|--|
| | | | | | | | | | | | | | | | | | |
| | kW | HP | m³/h | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 25 | | | | | | |
| | | | l/min | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 416,6 | | | | | | |
| | | H m | | 75 | 71 | 67 | 63,5 | 59 | 50 | 38 | 18,5 | | | | | | |
| 6SDN 16/7 | 4 | | 5,5 | 107 | 101 | 96 | 91 | 84 | 71,5 | 54,5 | 26 | | | | | | |
| 6SDN 16/10 | 5,5 | | 7,5 | 139 | 132 | 124 | 118 | 110 | 93 | 70,5 | 34 | | | | | | |
| 6SDN 16/13 | 7,5 | | 10 | 182 | 172 | 163 | 155 | 143 | 122 | 92,5 | 44,5 | | | | | | |
| 6SDN 16/17 | 9,2 | | 12,5 | 215 | 202 | 192 | 182 | 168 | 143 | 109 | 52,5 | | | | | | |
| 6SDN 16/20 | 11 | | 15 | 247 | 233 | 220 | 209 | 194 | 165 | 125 | 60 | | | | | | |
| 6SDN 16/23 | 13 (15) | | 17,5 (20) | 290 | 273 | 259 | 245 | 227 | 193 | 147 | 71 | | | | | | |
| 6SDN 16/27 | 15 | | 20 | 354 | 334 | 316 | 300 | 278 | 236 | 179 | 86,5 | | | | | | |

| DN | f | |
|----------------|------|------|
| | mm | kg |
| G 3 ISO 228 | 600 | 14 |
| | 715 | 15,5 |
| | 830 | 17 |
| | 985 | 19 |
| | 1100 | 20,5 |
| | 1285 | 22,5 |
| | 1435 | 24,6 |
| | 1665 | 28 |

P₂ Rated motor power output

(...) FK motor rated power output

H Total head in m

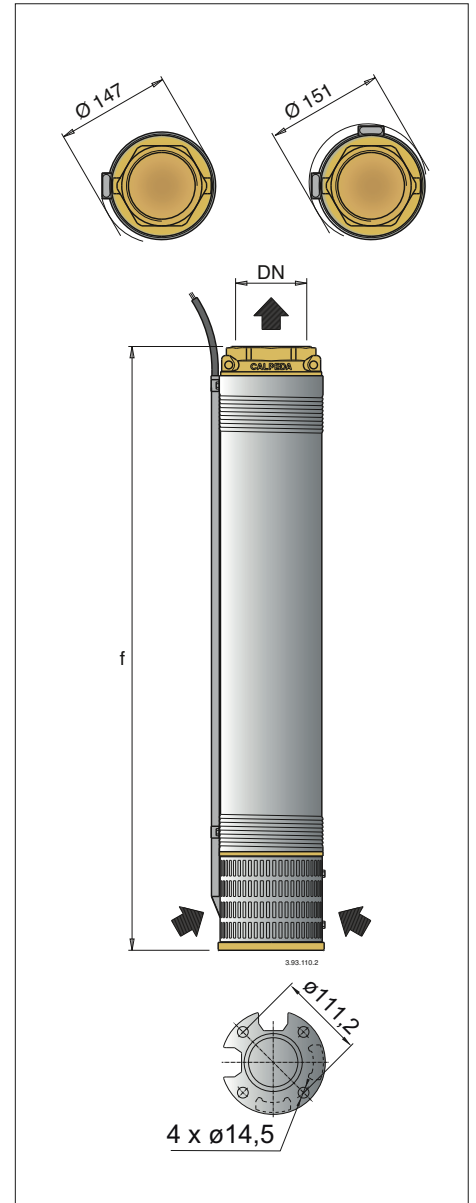
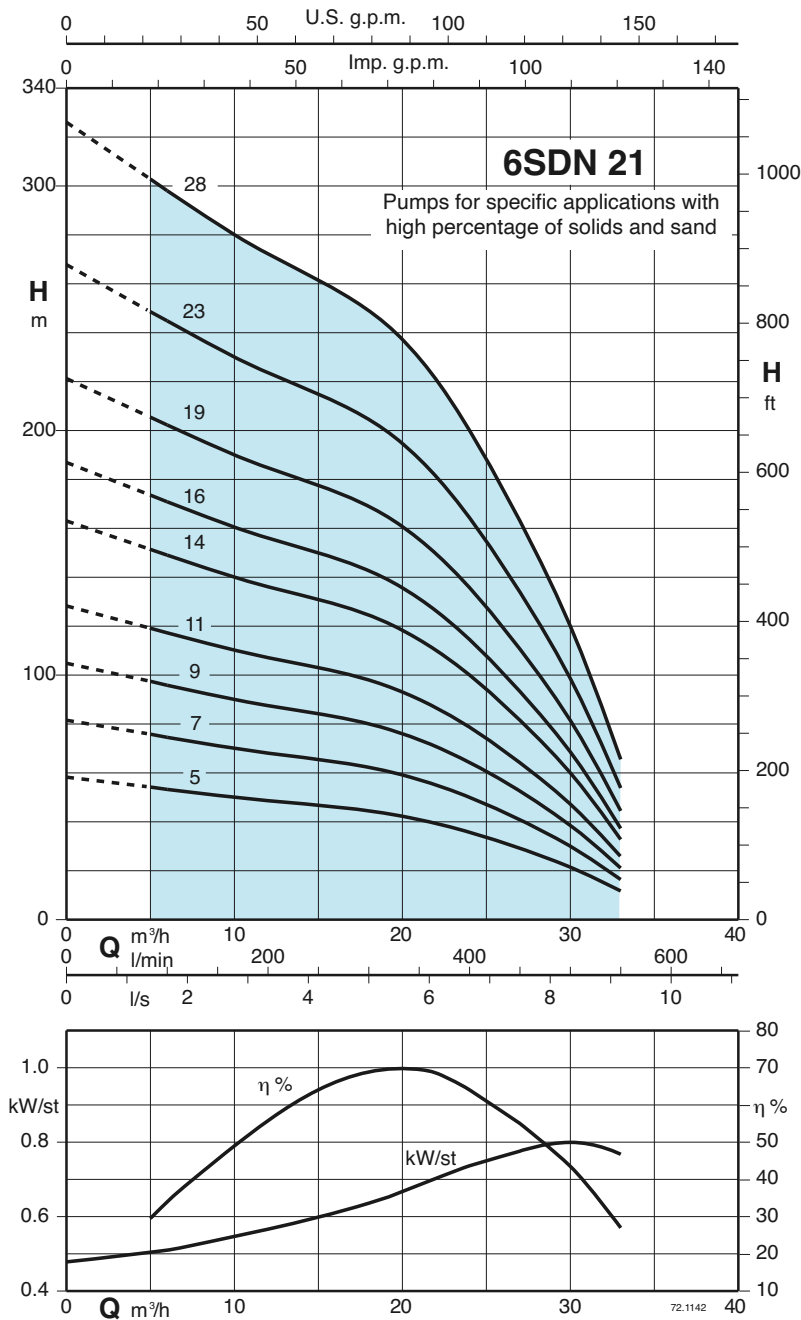
Tolerances according to UNI EN ISO 9906:2012

6SDN 21

Submersible borehole pumps for 6" wells



Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



| 3~ | P ₂ | | Q | n ≈ 2900 rpm | | | | | | | | | | | |
|------------|----------------|-----------|-------|--------------|------|------|------|------|------|------|------|------|------|----|--|
| | | | | H | | | | | | | | | | | |
| | kW | HP | | m³/h | 5 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | |
| 6SDN 21/5 | 4 | 5,5 | l/min | 83,3 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | | |
| 6SDN 21/7 | 5,5 | 7,5 | | 54 | 51 | 48,5 | 46,5 | 45 | 41,5 | 36 | 29 | 21,5 | 11,5 | | |
| 6SDN 21/9 | 7,5 | 10 | | 75,5 | 71,5 | 68 | 65 | 62,5 | 58 | 50 | 41 | 30 | 16 | | |
| 6SDN 21/11 | 9,2 | 12,5 | | 97 | 92 | 87,5 | 83,5 | 80,5 | 74,5 | 64,5 | 53 | 38,5 | 21 | | |
| 6SDN 21/14 | 11 | 15 | | 119 | 112 | 107 | 102 | 99 | 91 | 79 | 64 | 47 | 25,5 | | |
| 6SDN 21/16 | 13 (15) | 17,5 (20) | | 151 | 143 | 136 | 130 | 125 | 116 | 100 | 81,5 | 60 | 32,5 | | |
| 6SDN 21/19 | 15 | 20 | | 173 | 163 | 155 | 149 | 143 | 132 | 114 | 93 | 69 | 37 | | |
| 6SDN 21/23 | 18,5 | 25 | | 205 | 194 | 185 | 176 | 170 | 157 | 136 | 111 | 81,5 | 44 | | |
| 6SDN 21/28 | 22 | 30 | | 249 | 235 | 224 | 213 | 206 | 190 | 164 | 134 | 99 | 53 | | |
| | | | | 303 | 286 | 272 | 260 | 251 | 231 | 200 | 163 | 120 | 64,5 | | |

| DN | f | |
|----------------|------|------|
| | mm | kg |
| G 3 ISO 228 | 565 | 13,3 |
| | 660 | 14,5 |
| | 755 | 15,7 |
| | 850 | 16,9 |
| | 990 | 18,7 |
| | 1085 | 19,9 |
| | 1225 | 21,7 |
| | 1480 | 24,5 |
| | 1710 | 27,5 |

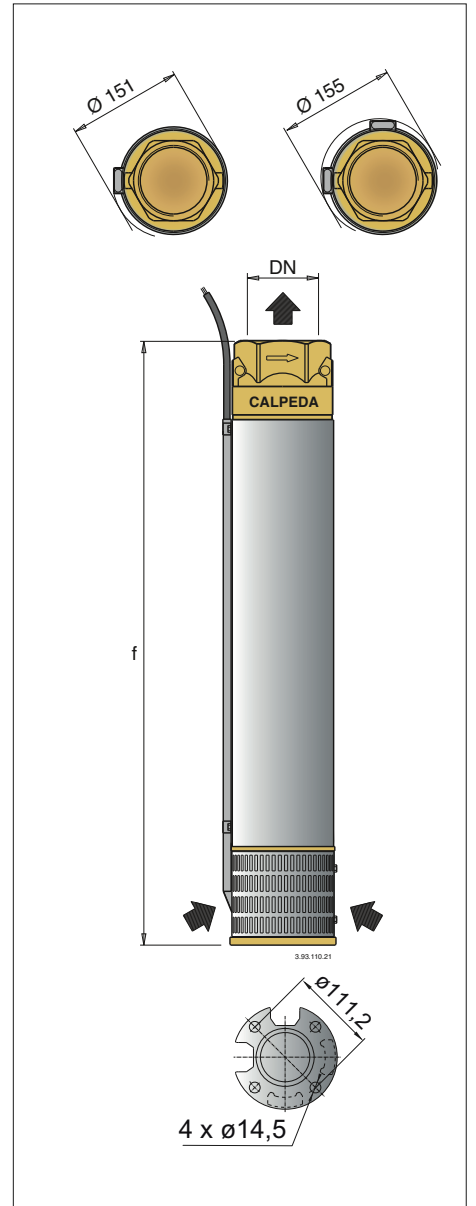
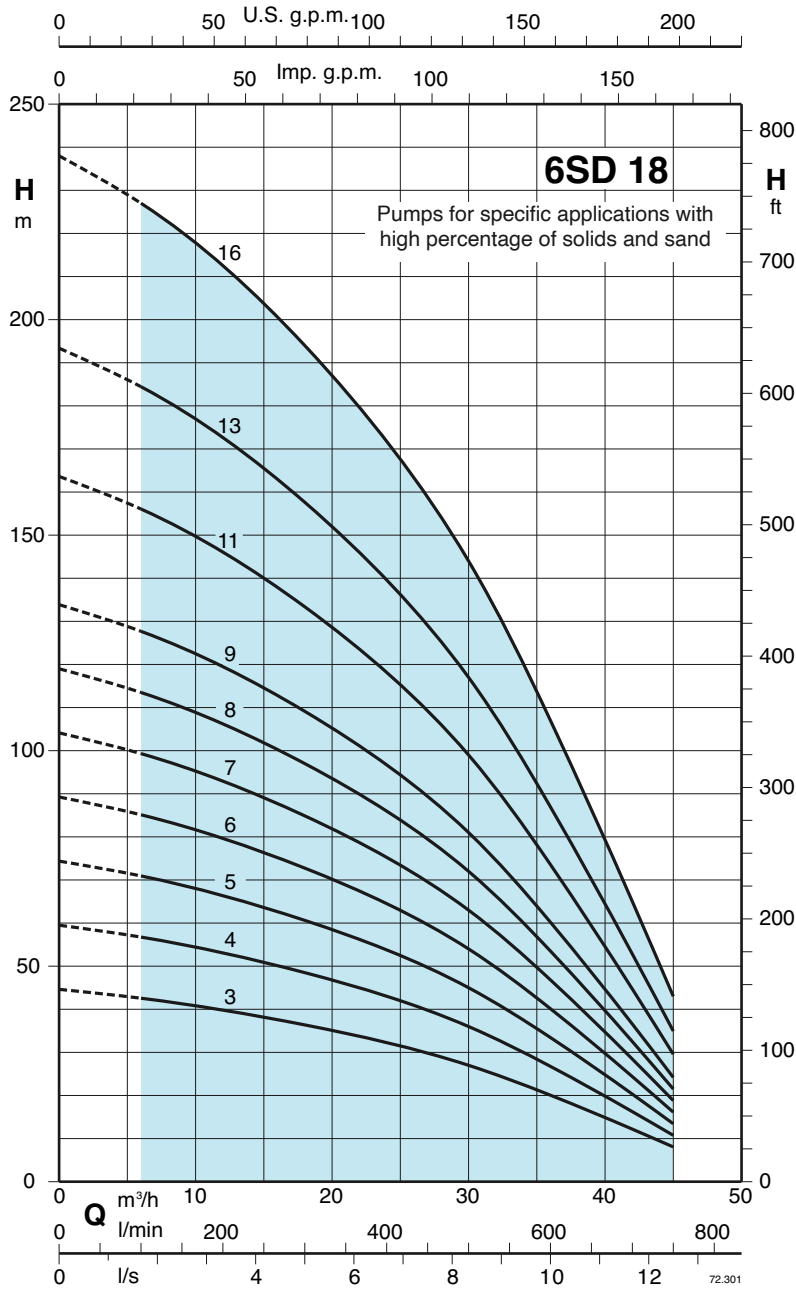
P₂ Rated motor power output

(...) FK motor rated power output

H Total head in m

Tolerances according to UNI EN ISO 9906:2012

Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



| 3~ | P ₂ | | Q | n ≈ 2900 rpm | | | | | | | | | | | | | |
|-----------|----------------|-----------|-------|--------------|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|--|--|
| | kW | HP | | H | | | | | | | | | | | | | |
| | | | | m | | | | | | | | | | | | | |
| | | | m³/h | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 45 | | | | | | |
| | | | l/min | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 750 | | | | | | |
| 6SD 18/3 | 4 | 5,5 | | 42 | 39 | 36 | 32 | 27 | 20 | 12 | 8 | | | | | | |
| 6SD 18/4 | 5,5 | 7,5 | | 56 | 53 | 48 | 43 | 36 | 27 | 16 | 11 | | | | | | |
| 6SD 18/5 | 7,5 | 10 | | 70 | 66 | 60 | 53 | 45 | 34 | 21 | 13 | | | | | | |
| 6SD 18/6 | 9,2 | 12,5 | | 85 | 79 | 72 | 64 | 54 | 40 | 25 | 16 | | | | | | |
| 6SD 18/7 | 9,2 | 12,5 | | 100 | 93 | 84 | 75 | 63 | 46 | 28 | 19 | | | | | | |
| 6SD 18/8 | 11 | 15 | | 113 | 105 | 96 | 86 | 72 | 54 | 32 | 21 | | | | | | |
| 6SD 18/9 | 13 (15) | 17,5 (20) | | 127 | 119 | 108 | 96 | 81 | 60 | 37 | 24 | | | | | | |
| 6SD 18/11 | 15 | 20 | | 156 | 145 | 132 | 118 | 99 | 74 | 45 | 30 | | | | | | |
| 6SD 18/13 | 18,5 | 25 | | 184 | 172 | 157 | 139 | 117 | 87 | 52 | 35 | | | | | | |
| 6SD 18/16 | 22 | 30 | | 227 | 213 | 194 | 172 | 144 | 107 | 65 | 43 | | | | | | |

| DN | f | |
|----------------|------|------|
| | mm | kg |
| G 3 ISO 228 | 647 | 20,5 |
| | 756 | 23 |
| | 865 | 25 |
| | 974 | 27 |
| | 1083 | 29,5 |
| | 1192 | 32 |
| | 1301 | 34,5 |
| | 1519 | 39,5 |
| | 1737 | 43 |
| | 2064 | 50,2 |

P₂ Rated motor power output

(...) FK motor rated power output

H Total head in m

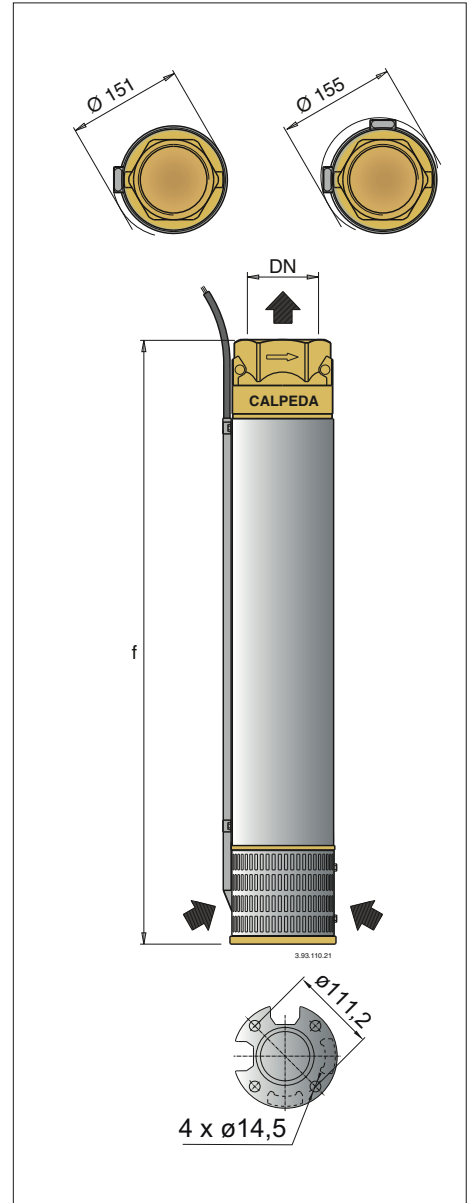
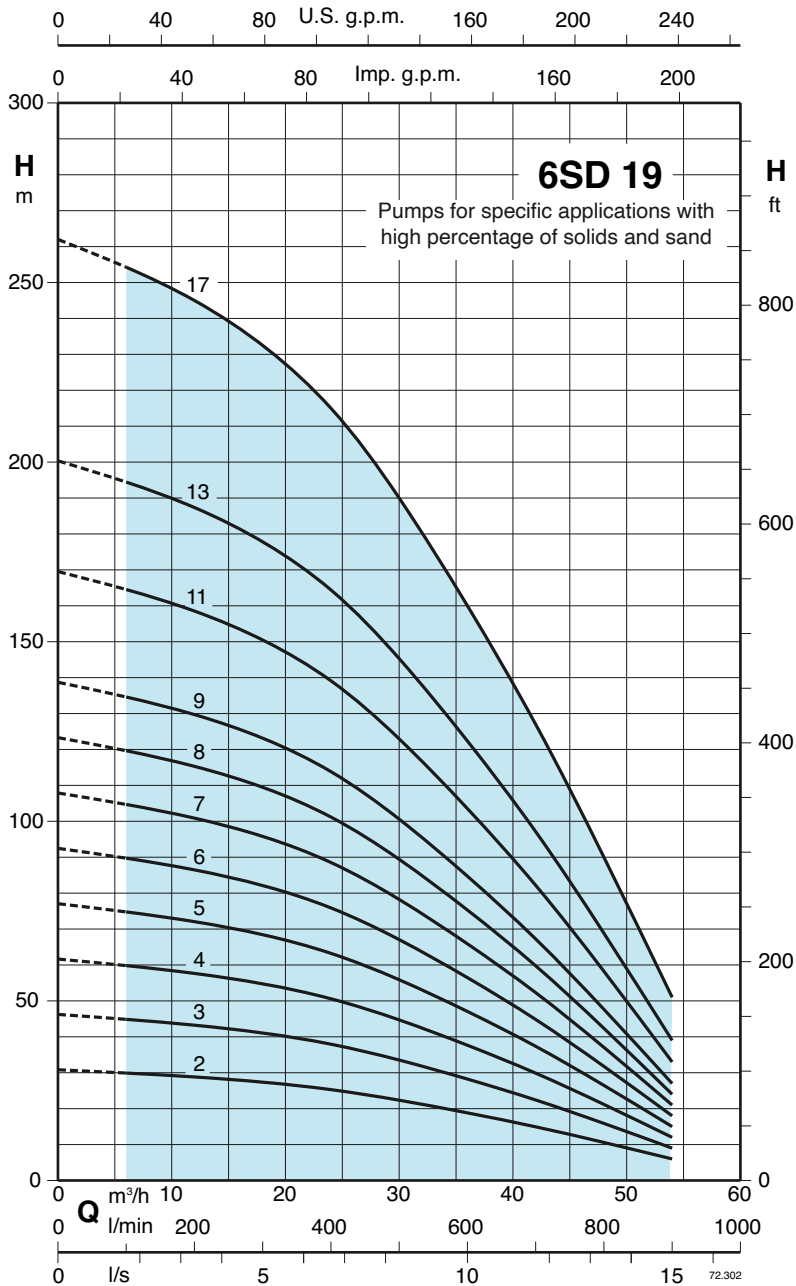
Tolerances according to UNI EN ISO 9906:2012

6SD 19

Submersible borehole pumps for 6" wells



Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



| 3~ | P ₂ | | Q | n ≈ 2900 rpm | | | | | | | | | | | |
|-----------|----------------|-----------|--------|--------------|-----|-----|-----|-----|-----|-----|----|----|----|--|--|
| | | | | m³/h | | | | | | | | | | | |
| | kW | HP | | l/min | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | | |
| 6SD 19/2 | 4 | 5,5 | H m | 30 | 29 | 27 | 25 | 22 | 19 | 15 | 10 | 6 | | | |
| 6SD 19/3 | 5,5 | 7,5 | | 45 | 43 | 41 | 38 | 33 | 29 | 23 | 15 | 9 | | | |
| 6SD 19/4 | 7,5 | 10 | | 60 | 57 | 55 | 50 | 45 | 38 | 30 | 21 | 12 | | | |
| 6SD 19/5 | 9,2 | 12,5 | | 75 | 72 | 69 | 63 | 56 | 47 | 38 | 26 | 15 | | | |
| 6SD 19/6 | 11 | 15 | | 90 | 86 | 82 | 75 | 67 | 56 | 45 | 31 | 18 | | | |
| 6SD 19/7 | 13 (15) | 17,5 (20) | | 105 | 100 | 96 | 88 | 79 | 66 | 53 | 37 | 21 | | | |
| 6SD 19/8 | 15 | 20 | | 120 | 115 | 110 | 101 | 89 | 75 | 60 | 42 | 24 | | | |
| 6SD 19/9 | 15 | 20 | | 135 | 130 | 123 | 114 | 100 | 85 | 68 | 47 | 27 | | | |
| 6SD 19/11 | 18,5 | 25 | | 165 | 158 | 151 | 139 | 123 | 104 | 83 | 58 | 33 | | | |
| 6SD 19/13 | 22 | 30 | | 195 | 188 | 179 | 164 | 145 | 122 | 98 | 69 | 39 | | | |
| 6SD 19/17 | 30 | 40 | | 255 | 245 | 234 | 215 | 190 | 160 | 127 | 90 | 51 | | | |

| DN | f | |
|----------------|------|------|
| | mm | kg |
| G 3 ISO 228 | 538 | 18 |
| | 647 | 20,5 |
| | 756 | 23 |
| | 865 | 25 |
| | 974 | 27 |
| | 1083 | 29,5 |
| | 1192 | 32 |
| | 1301 | 34,5 |
| | 1519 | 39,5 |
| 1737 | 43 | |
| 2173 | 53 | |

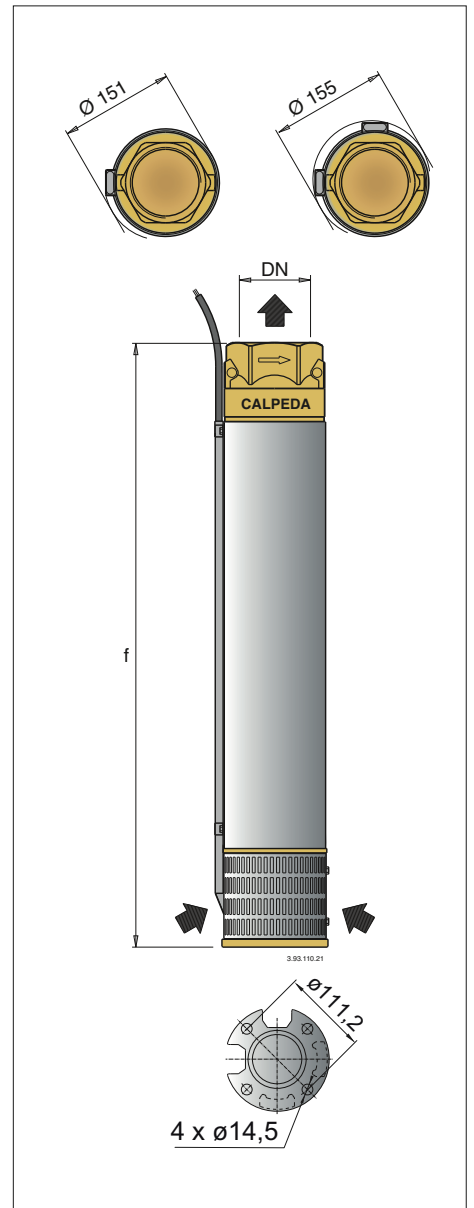
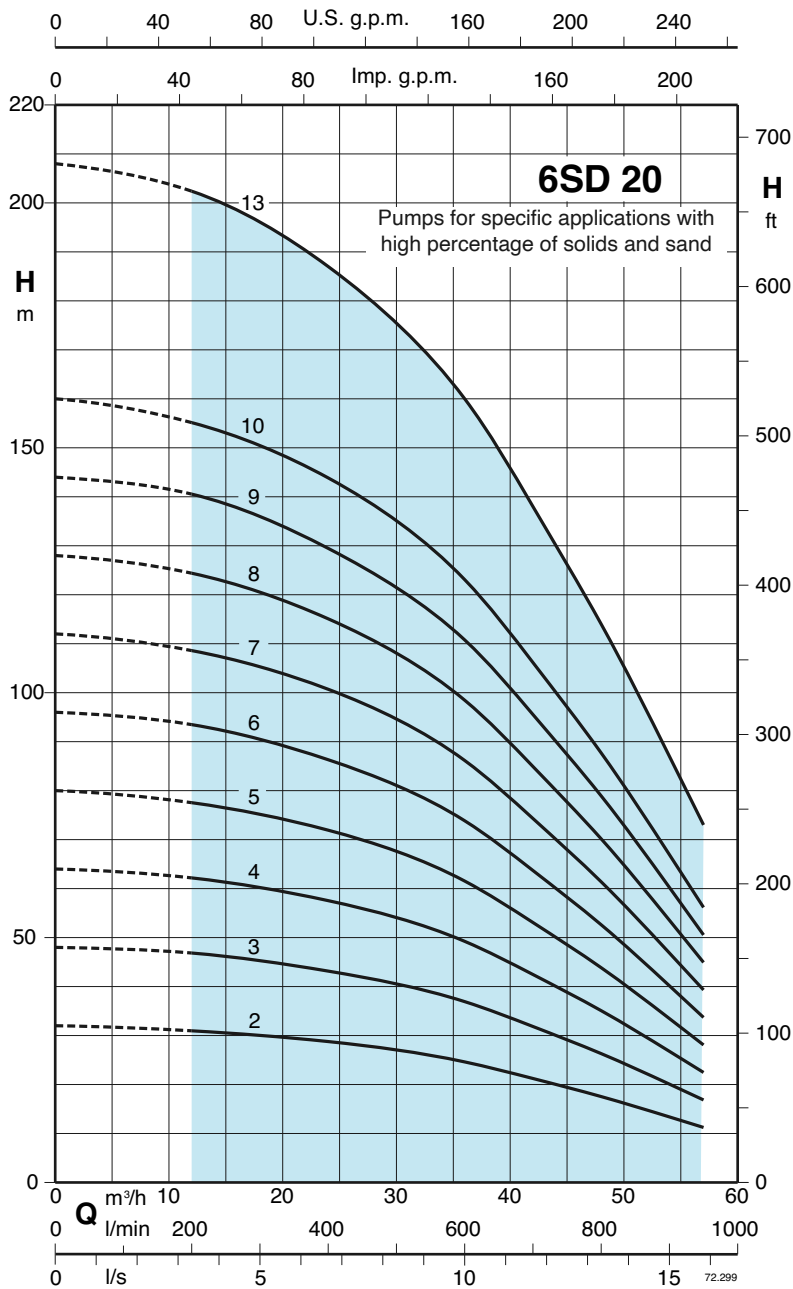
P₂ Rated motor power output

(...) FK motor rated power output

H Total head in m

Tolerances according to UNI EN ISO 9906:2012

Characteristic curves, performance $n \approx 2900$ rpm, dimensions and weights



| 3~ | P ₂ | | Q | n ≈ 2900 rpm | | | | | | | | | | |
|-----------|----------------|-----------|-----|--------------|-----|-----|-----|-----|-----|----|----|----|----|--|
| | | | | H | | | | | | | | | | |
| | kW | HP | | m³/h | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 57 | |
| 6SD 20/2 | 5,5 | 7,5 | 31 | 30 | 29 | 28 | 24 | 21 | 17 | 13 | 11 | | | |
| 6SD 20/3 | 7,5 | 10 | 46 | 45 | 44 | 42 | 37 | 32 | 26 | 20 | 17 | | | |
| 6SD 20/4 | 9,2 | 12,5 | 62 | 60 | 58 | 55 | 49 | 42 | 35 | 26 | 22 | | | |
| 6SD 20/5 | 11 | 15 | 77 | 76 | 73 | 68 | 61 | 53 | 44 | 33 | 28 | | | |
| 6SD 20/6 | 13 (15) | 17,5 (20) | 93 | 91 | 87 | 83 | 73 | 63 | 53 | 40 | 34 | | | |
| 6SD 20/7 | 15 | 20 | 108 | 106 | 102 | 96 | 86 | 74 | 61 | 47 | 39 | | | |
| 6SD 20/8 | 18,5 | 25 | 124 | 120 | 115 | 110 | 99 | 85 | 70 | 53 | 45 | | | |
| 6SD 20/9 | 18,5 | 25 | 140 | 136 | 130 | 124 | 111 | 96 | 79 | 60 | 51 | | | |
| 6SD 20/10 | 22 | 30 | 155 | 151 | 144 | 138 | 123 | 106 | 88 | 67 | 56 | | | |
| 6SD 20/13 | 30 | 40 | 202 | 196 | 188 | 179 | 160 | 138 | 114 | 87 | 73 | | | |

| DN | f | kg |
|----------------|------|------|
| | mm | |
| G 3 ISO 228 | 538 | 18 |
| | 647 | 20,5 |
| | 756 | 23 |
| | 865 | 25 |
| | 974 | 27 |
| | 1083 | 29,5 |
| | 1192 | 32 |
| | 1301 | 34,5 |
| | 1410 | 36,2 |
| | 1737 | 44,4 |

P₂ Rated motor power output

(...) FK motor rated power output

H Total head in m

Tolerances according to UNI EN ISO 9906:2012

