

## **SJ**

**50Hz**

**Stainless Steel Multistage  
Deep-Well  
Submersible Pumps**





## Company profile

Nanfang Pump Industry Co., Ltd. (CNP), as a subsidiary of Nanfang Zhongjin Environment Co., Ltd., was founded in 1991, and listed on Shenzhen Stock Exchange on December 9, 2010 with stock code 300145.

In 2019, CNP's annual output exceeded 900,000 units/set with nearly 3 billion sales revenue, continuing to maintain high growth. As a national enterprise technology center, CNP has flagship ultra-high efficient product -new generation CDM (F) light vertical multistage centrifugal pump,  $MEI \geq 0.7$ . Same series high temperature pump products are developed in 2019 to satisfy high temperature applications. All light stainless steel pump product series grow stably. Advanced frequency conversion water supply equipment has been innovated to the 6th generation. Fire pump and diesel engine have obtained UL certification. TD in-line pump, NIS/NISO end suction pump, NSC split casing pump, WQ sewage pump, PQ stainless steel fountain submersible pump, BP silent tube pump, pool pump, non-blocking self-priming sewage pump, metering pump, oil pump and other pump products, can meet various application needs of different fields.

CNP has a complete sales network both in domestic and overseas market, exporting to over 60 countries and regions, maintaining long <g relationship with our clients. CNP pumps have been widely applied in various fields like water treatment, water supply and drainage, HVAC, industrial application, seawater desalination, energy and power etc.

CNP, a green water expert beside you.

## Content

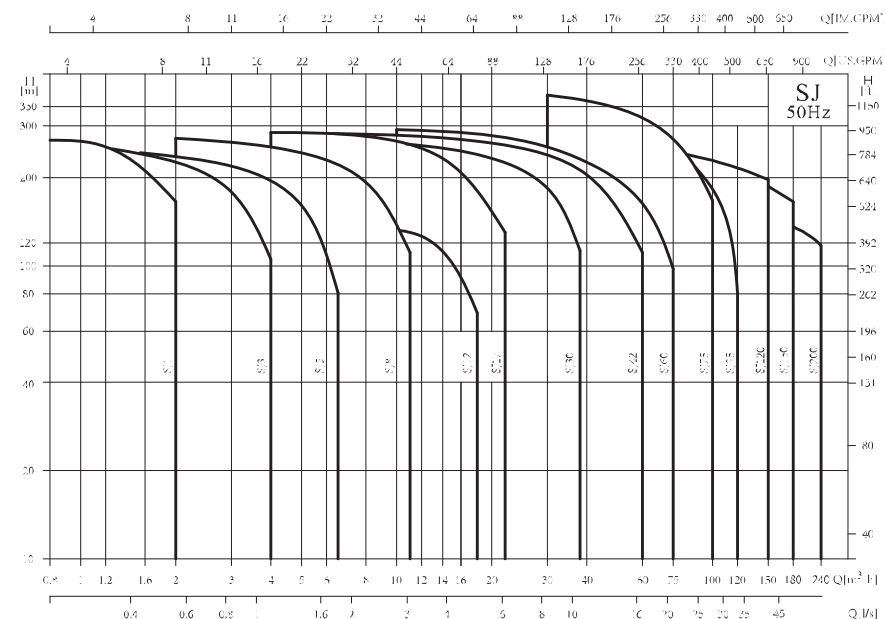
### General Data

|                      |   |
|----------------------|---|
| Performance scope    | 3 |
| Product range        | 3 |
| Typical applications | 4 |
| Operation conditions | 4 |
| NEMA Motor           | 4 |
| Definition of model  | 4 |
| Curve conditions     | 4 |
| Performance curve    | 4 |
| Material             | 5 |

### Technical Data

|            |    |
|------------|----|
| SJ1,50Hz   | 6  |
| SJ3,50Hz   | 8  |
| SJ5,50Hz   | 10 |
| SJ8,50Hz   | 12 |
| SJ12,50Hz  | 14 |
| SJ17,50Hz  | 16 |
| SJ30,50Hz  | 18 |
| SJ42,50Hz  | 20 |
| SJ60,50Hz  | 22 |
| SJ75,50Hz  | 24 |
| SJ95,50Hz  | 26 |
| SJ120,50Hz | 28 |
| SJ150,50Hz | 30 |
| SJ200,50Hz | 32 |

### Performance scope



### Product range

| Description        | SJ1                | SJ3                | SJ5                | SJ8      | SJ12    | SJ17               | SJ30      | SJ42      | SJ60     | SJ75     | SJ95      | SJ120     | SJ150   | SJ200     |
|--------------------|--------------------|--------------------|--------------------|----------|---------|--------------------|-----------|-----------|----------|----------|-----------|-----------|---------|-----------|
| 50Hz               |                    |                    |                    |          |         |                    |           |           |          |          |           |           |         |           |
| Rated flow [m³/h]  | 1                  | 3                  | 5                  | 8        | 12      | 17                 | 30        | 42        | 60       | 75       | 95        | 120       | 150     | 200       |
| Rated flow [l/s]   | 0.28               | 0.83               | 1.39               | 2.22     | 3.33    | 4.72               | 8.33      | 11.7      | 16.7     | 20.8     | 26.4      | 33.3      | 41.6    | 55.6      |
| Flow range [m³/h]  | 0.2~2              | 0.8~4              | 1~6.5              | 2~11     | 3~18    | 4~22               | 5~38      | 5~60      | 10~75    | 30~100   | 40~120    | 60~150    | 80~180  | 100~240   |
| Flow range [l/s]   | 0.06~0.56          | 0.22~1.1           | 0.28~1.8           | 0.56~3.1 | 0.83~5  | 1.11~6.1           | 1.39~10.6 | 1.39~16.7 | 2.8~20.8 | 8.3~27.8 | 11.1~33.3 | 16.6~41.6 | 22.2~50 | 27.8~66.7 |
| Max pressure [bar] | 28                 | 25                 | 24                 | 27       | 16      | 26                 | 28        | 28        | 29       | 38       | 34        | 25        | 23      | 16        |
| Motor power [kW]   | 0.37~2.2           | 0.37~3             | 0.37~4             | 0.75~7.5 | 1.5~7.5 | 0.55~15            | 1.1~22    | 1.1~37    | 2.2~37   | 7.5~75   | 9.2~75    | 11~110    | 9.2~110 | 30~110    |
| Max efficiency [%] | 45                 | 56                 | 59                 | 60       | 60      | 73                 | 74        | 75        | 79       | 79       | 80        | 77        | 77      | 79        |
| Pipe screw joint   | Rp1 <sup>1/4</sup> | Rp1 <sup>1/4</sup> | Rp1 <sup>1/2</sup> | Rp2      | Rp2     | Rp2 <sup>1/2</sup> | Rp3       | Rp3       | Rp4      | Rp5      | Rp5       | Rp6       | Rp6     | Rp6       |

## Typical applications

- Circulation or boosting for clean water, demineralized water.
- Water supply, irrigating system.
- Lowering ground water level.
- Boosting.
- Other industrial applications.

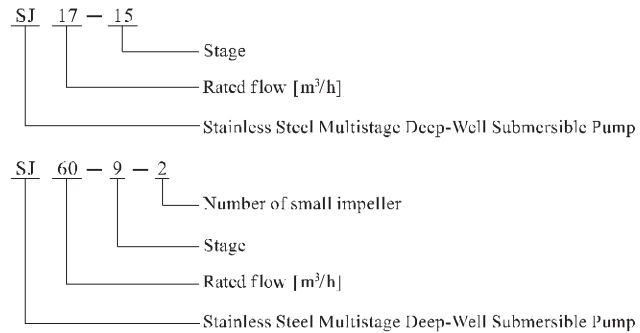
## Operation conditions

- Clean, thin, non-corrosive liquid without grain or fiber.
- Maximum liquid temperature: 25°C
- Maximum working pressure: 38 bar
- pL: 6.5~8.5
- Maximum diving depth: ≤70m
- For the sake of pump running safely and reliably, user shall install the correct motor protector.

## NEMA Motor

- 4" Motor Stainless steel (there is bronze flange or ss flange), oil-filled motor (transformer oil is standard configuration, but coolant oil which in accord with the standard of FDA is also available)
- Single phase: 0.37kW~2.2kW
- Three phase: 0.37kW~7.5 kW
- 6" Motor Cast iron (Standard), Stainless steel (If required, need to specify) Three phase: 4kW~37 kW
- 8" Motor Cast iron (Standard), Stainless steel (If required, need to specify) Three phase: 5.5kW~110 kW

## Definition of Model



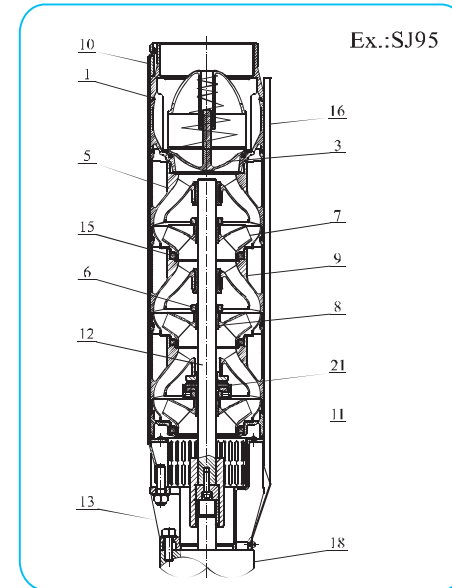
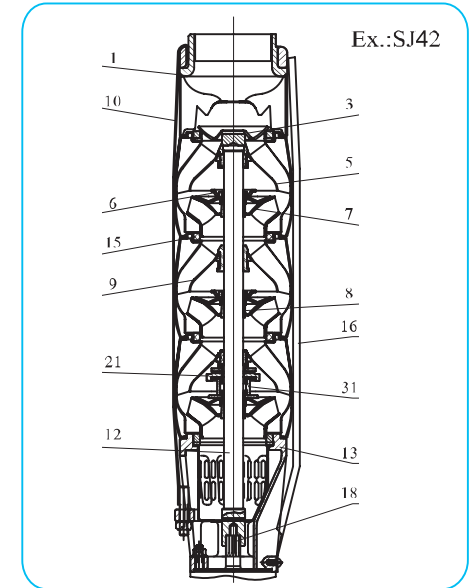
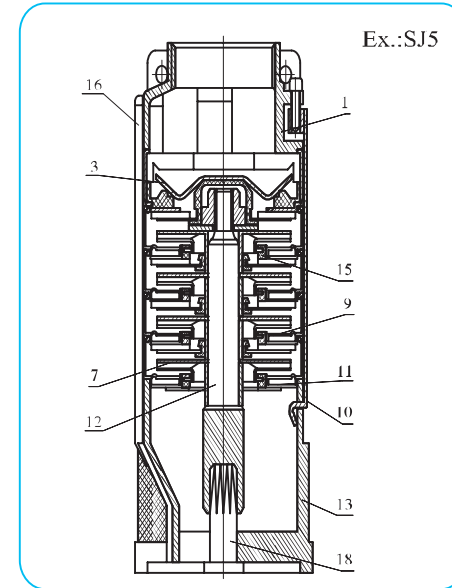
## Curve conditions

- Curve tolerance in conformity to ISO9906:2012 Grade 3B.
- All curves are based on the measured values of 50Hz: constant motor speed 2850r/min or 2900r/min.
- All measurements are carried out with gas-free water of temperature 20°C. The curve is applicable to kinematical viscosity 1mm²/s. In case density of the liquid conveyed by the pump is higher than that of water, it is necessary to use corresponding motor of higher output power.
- The bold part of the curve means the recommended performance scope.
- The performance curve includes loss caused by check valve etc.

## Performance curve

- Q/H curve means flow and head under the rated speed.
- Power curve: P2 means input power of each stage. Curves are shown for complete (1/1) and reduced diameter (2/3) impellers.
- Efficiency curve: Eta means the stage efficiency of the pump.

## Section drawing

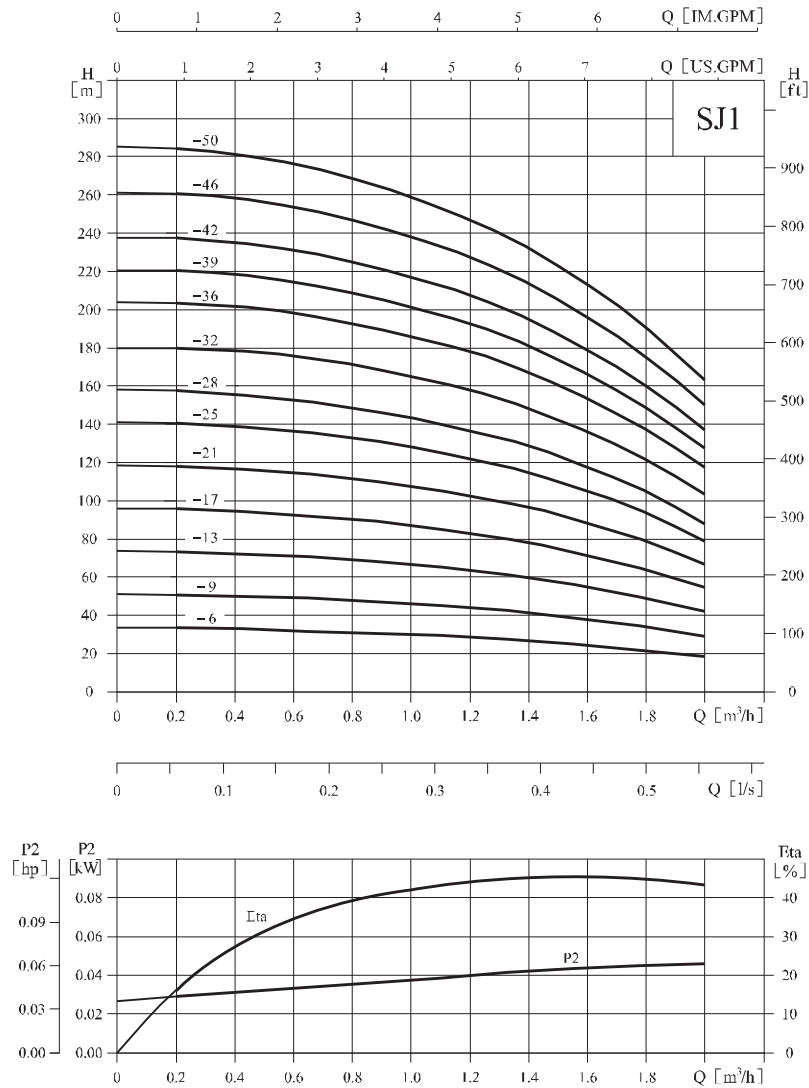


## Material

| NO. | Name                   | Material      | AISI            |
|-----|------------------------|---------------|-----------------|
| 1   | Discharge head         | SS304         | AISI304         |
| 3   | Valve cap              | SS304         | AISI304         |
| 5   | Discharge diffuser     | SS304         | AISI304         |
| 6   | Impeller nut           | SS304         | AISI304         |
| 7   | Impeller               | SS304         | AISI304         |
| 8   | Impeller cone          | SS304         | AISI304         |
| 9   | Diffuser               | SS304         | AISI304         |
| 10  | Straps                 | SS304         | AISI304         |
| 11  | Inducer                | SS304         | AISI304         |
| 12  | Pump shaft             | SS304/420/431 | AISI304/420/431 |
| 13  | Suction Interconnector | SS304         | AISI304         |
| 15  | Neck ring              | PBT/NBR       |                 |
| 16  | Cable guard            | SS304         | AISI304         |
| 18  | Submersible motor      |               |                 |
| 21  | Inlet spacer           | Carbon        |                 |
| 31  | Connecting sleeve      | SS304         | AISI304         |

## Performance curve

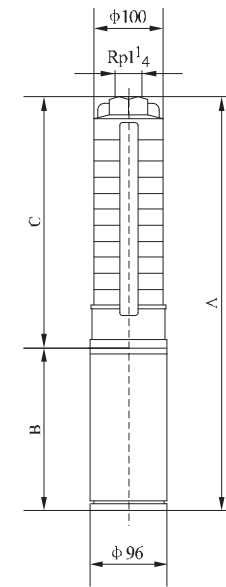
## ISO9906 Annex A 2850rpm



## Performance table

| Model  | Driving motor |      | Q<br>(m³/h) | 0.2  | 0.4 | 0.6 | 0.8 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 |
|--------|---------------|------|-------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        | (kW)          | (hp) |             |      |     |     |     |     |     |     |     |     |     |
| SJ1-6  | 0.37          | 0.5  | H<br>(m)    | 33.5 | 33  | 32  | 31  | 30  | 29  | 27  | 25  | 22  | 19  |
| SJ1-9  | 0.37          | 0.5  |             | 51   | 50  | 49  | 48  | 46  | 44  | 41  | 38  | 34  | 29  |
| SJ1-13 | 0.55          | 0.75 |             | 73   | 72  | 71  | 69  | 67  | 64  | 60  | 55  | 49  | 42  |
| SJ1-17 | 0.75          | 1    |             | 96   | 95  | 92  | 90  | 87  | 84  | 78  | 71  | 64  | 55  |
| SJ1-21 | 1.1           | 1.5  |             | 119  | 118 | 115 | 112 | 108 | 103 | 97  | 89  | 80  | 69  |
| SJ1-25 | 1.1           | 1.5  |             | 141  | 140 | 137 | 134 | 129 | 123 | 116 | 106 | 95  | 82  |
| SJ1-28 | 1.5           | 2    |             | 158  | 157 | 153 | 150 | 145 | 138 | 130 | 119 | 107 | 92  |
| SJ1-32 | 1.5           | 2    |             | 180  | 179 | 175 | 171 | 165 | 158 | 148 | 136 | 122 | 105 |
| SJ1-36 | 1.5           | 2    |             | 203  | 202 | 197 | 192 | 186 | 178 | 167 | 153 | 137 | 118 |
| SJ1-39 | 2.2           | 3    |             | 221  | 219 | 214 | 209 | 202 | 193 | 181 | 166 | 149 | 128 |
| SJ1-42 | 2.2           | 3    |             | 238  | 236 | 230 | 225 | 217 | 208 | 195 | 179 | 160 | 137 |
| SJ1-46 | 2.2           | 3    |             | 260  | 258 | 252 | 246 | 238 | 227 | 213 | 196 | 176 | 151 |
| SJ1-50 | 2.2           | 3    |             | 284  | 282 | 276 | 269 | 260 | 248 | 233 | 214 | 192 | 165 |

## Installation sketch



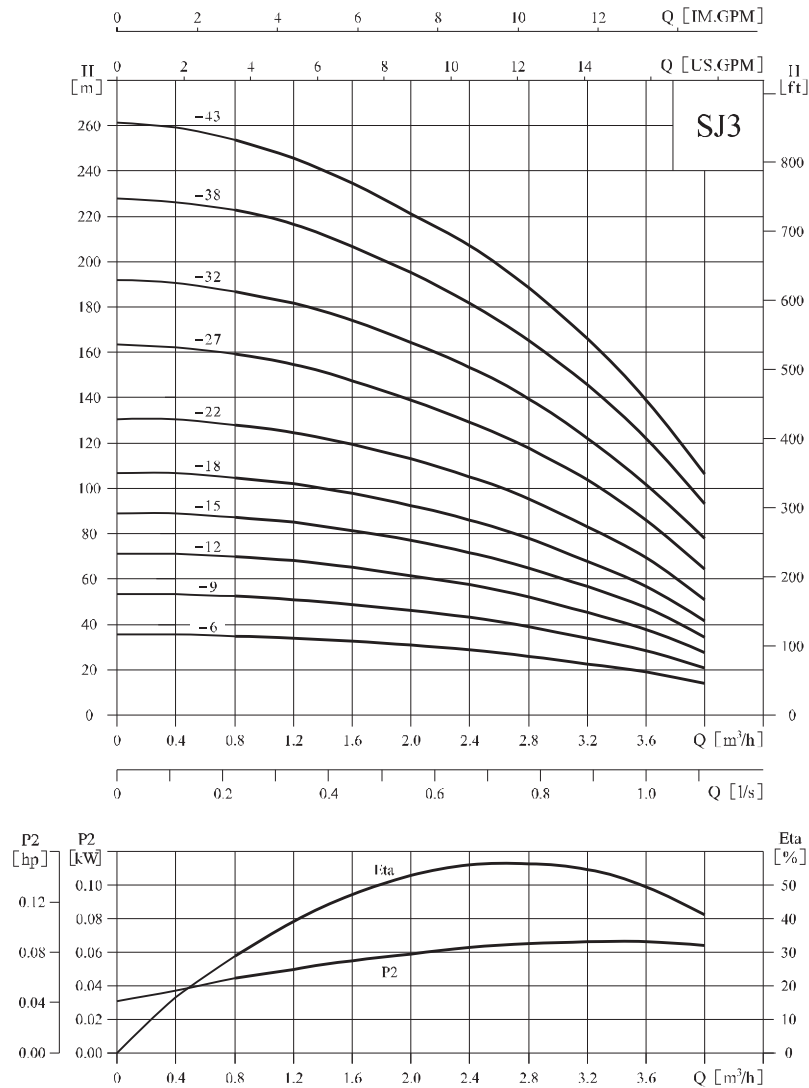
## Size and weight

| Model  | Size(mm) |     |      | Weight<br>(kg) |
|--------|----------|-----|------|----------------|
|        | A        | B   | C    |                |
| SJ1-6  | 667      | 370 | 297  | 10             |
| SJ1-9  | 730      | 370 | 360  | 11             |
| SJ1-13 | 824      | 380 | 444  | 12             |
| SJ1-17 | 928      | 400 | 528  | 15             |
| SJ1-21 | 1052     | 440 | 612  | 16             |
| SJ1-25 | 1136     | 440 | 696  | 17             |
| SJ1-28 | 1229     | 470 | 759  | 20             |
| SJ1-32 | 1313     | 470 | 843  | 21             |
| SJ1-36 | 1397     | 470 | 927  | 22             |
| SJ1-39 | 1500     | 510 | 990  | 24             |
| SJ1-42 | 1563     | 510 | 1053 | 25             |
| SJ1-46 | 1647     | 510 | 1137 | 26             |
| SJ1-50 | 1731     | 510 | 1221 | 27             |

Note: The size B is varied with the motors of different manufacturers.

## Performance curve

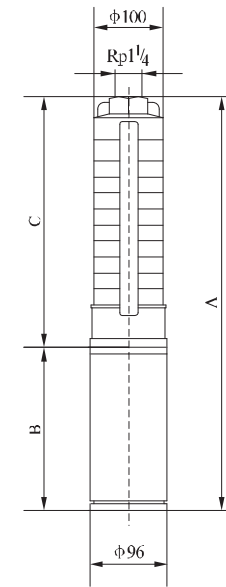
ISO9906 Annex A 2850rpm



## Performance table

| Model  | Driving motor |      | Q<br>(m³/h) | 0.8 | 1.2 | 1.6 | 2.0 | 2.4 | 2.8 | 3.0 | 3.2 | 3.6 | 4.0 |
|--------|---------------|------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        | (kW)          | (hp) |             |     |     |     |     |     |     |     |     |     |     |
| SJ3-6  | 0.37          | 0.5  | H<br>(m)    | 36  | 34  | 32  | 30  | 28  | 26  | 24  | 23  | 18  | 13  |
| SJ3-9  | 0.55          | 0.75 |             | 53  | 51  | 48  | 45  | 42  | 38  | 36  | 33  | 27  | 20  |
| SJ3-12 | 0.75          | 1    |             | 70  | 68  | 64  | 61  | 57  | 52  | 49  | 44  | 37  | 27  |
| SJ3-15 | 1.1           | 1.5  |             | 87  | 85  | 81  | 77  | 72  | 65  | 61  | 56  | 47  | 34  |
| SJ3-18 | 1.1           | 1.5  |             | 105 | 103 | 97  | 92  | 87  | 78  | 74  | 68  | 57  | 42  |
| SJ3-22 | 1.5           | 2    |             | 130 | 126 | 120 | 113 | 106 | 96  | 91  | 84  | 70  | 53  |
| SJ3-27 | 2.2           | 3    |             | 159 | 154 | 146 | 138 | 130 | 118 | 111 | 104 | 87  | 66  |
| SJ3-32 | 2.2           | 3    |             | 189 | 183 | 173 | 163 | 154 | 140 | 131 | 122 | 102 | 79  |
| SJ3-38 | 3.0           | 4    |             | 224 | 217 | 205 | 194 | 183 | 168 | 157 | 146 | 122 | 94  |
| SJ3-43 | 3.0           | 4    |             | 254 | 246 | 233 | 220 | 207 | 190 | 178 | 166 | 139 | 107 |

## Installation sketch



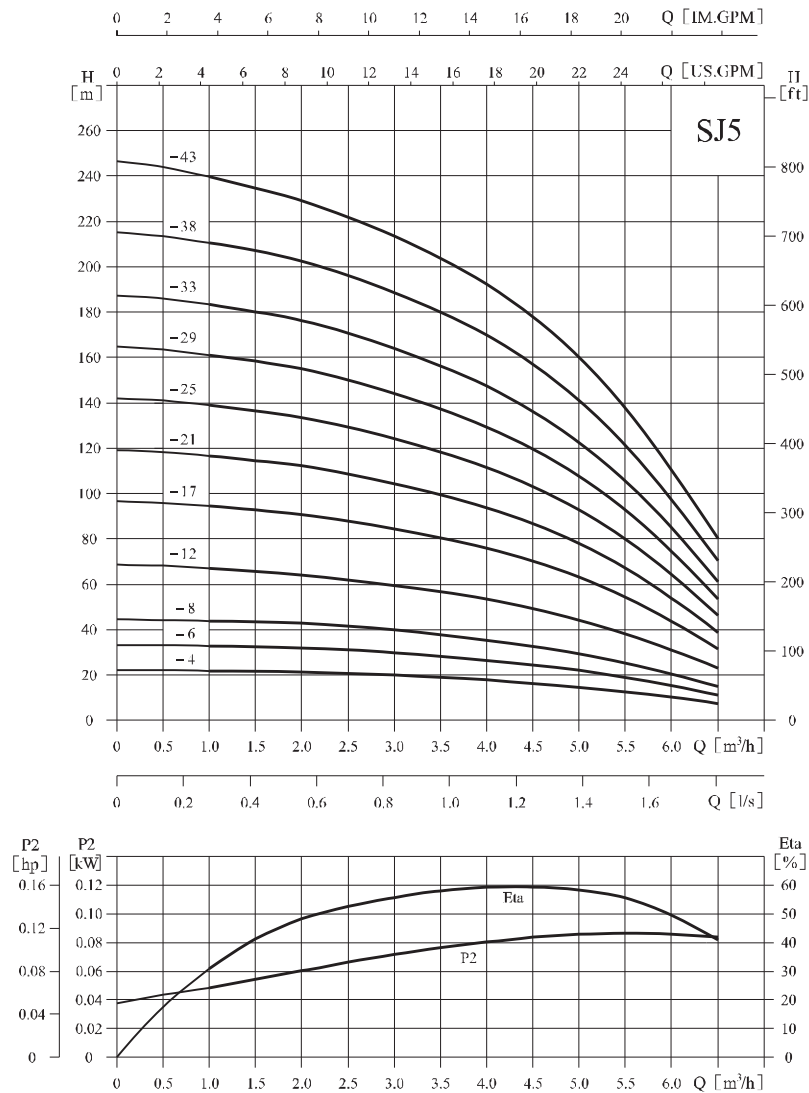
## Size and weight

| Model  | Size(mm) |     |      | Weight<br>(kg) |
|--------|----------|-----|------|----------------|
|        | A        | B   | C    |                |
| SJ3-6  | 667      | 370 | 297  | 10             |
| SJ3-9  | 740      | 380 | 360  | 11             |
| SJ3-12 | 823      | 400 | 423  | 13             |
| SJ3-15 | 926      | 440 | 486  | 15             |
| SJ3-18 | 999      | 440 | 549  | 16             |
| SJ3-22 | 1103     | 470 | 633  | 18             |
| SJ3-27 | 1248     | 510 | 738  | 22             |
| SJ3-32 | 1353     | 510 | 843  | 23             |
| SJ3-38 | 1589     | 620 | 969  | 29             |
| SJ3-43 | 1694     | 620 | 1074 | 30             |

Note: The size B is varied with the motors of different manufacturers.

## Performance curve

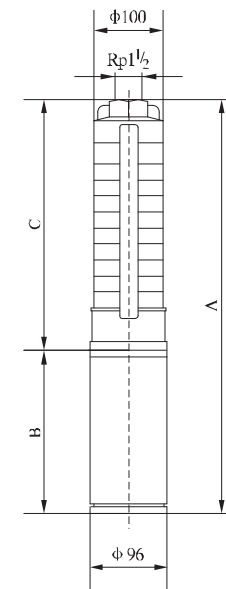
ISO9906 Annex A 2850rpm



## Performance table

| Model  | Driving motor |      | Q<br>(m³/h) | 1.0   | 2.0  | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 |
|--------|---------------|------|-------------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|
|        | (kW)          | (hp) |             | H (m) |      |     |     |     |     |     |     |     |     |
| SJ5-4  | 0.37          | 0.5  |             | 21    | 20.5 | 20  | 19  | 18  | 17  | 15  | 13  | 10  | 8   |
| SJ5-6  | 0.55          | 0.75 |             | 32    | 31   | 30  | 28  | 27  | 25  | 22  | 19  | 15  | 11  |
| SJ5-8  | 0.75          | 1    |             | 43    | 42   | 40  | 38  | 36  | 33  | 30  | 25  | 20  | 15  |
| SJ5-12 | 1.1           | 1.5  |             | 66    | 63   | 59  | 57  | 54  | 50  | 45  | 38  | 30  | 23  |
| SJ5-17 | 1.5           | 2    |             | 95    | 91   | 84  | 80  | 76  | 71  | 64  | 54  | 43  | 32  |
| SJ5-21 | 2.2           | 3    |             | 117   | 112  | 104 | 99  | 94  | 87  | 79  | 67  | 53  | 39  |
| SJ5-25 | 2.2           | 3    |             | 139   | 134  | 124 | 118 | 112 | 104 | 94  | 80  | 64  | 47  |
| SJ5-29 | 3.0           | 4    |             | 161   | 155  | 144 | 137 | 130 | 120 | 108 | 92  | 74  | 55  |
| SJ5-33 | 3.0           | 4    |             | 183   | 177  | 163 | 156 | 148 | 137 | 123 | 105 | 84  | 62  |
| SJ5-38 | 4.0           | 5.5  |             | 211   | 203  | 188 | 178 | 170 | 158 | 142 | 121 | 97  | 71  |
| SJ5-43 | 4.0           | 5.5  |             | 239   | 230  | 213 | 203 | 193 | 179 | 161 | 137 | 109 | 81  |

## Installation sketch



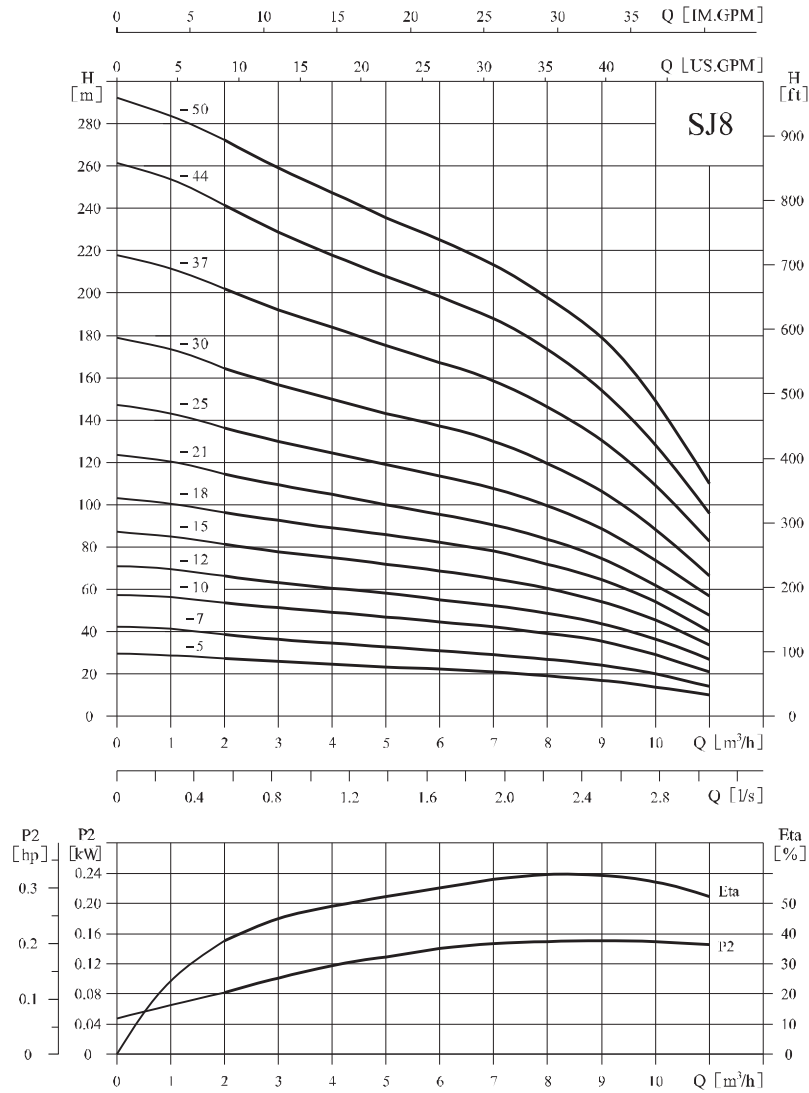
## Size and weight

| Model  | Size(mm) |     |      | Weight<br>(kg) |
|--------|----------|-----|------|----------------|
|        | A        | B   | C    |                |
| SJ5-4  | 625      | 370 | 255  | 10             |
| SJ5-6  | 677      | 380 | 297  | 11             |
| SJ5-8  | 739      | 400 | 339  | 13             |
| SJ5-12 | 863      | 440 | 423  | 14             |
| SJ5-17 | 998      | 470 | 528  | 17             |
| SJ5-21 | 1122     | 510 | 612  | 21             |
| SJ5-25 | 1206     | 510 | 696  | 22             |
| SJ5-29 | 1400     | 620 | 780  | 27             |
| SJ5-33 | 1484     | 620 | 864  | 28             |
| SJ5-38 | 1719     | 750 | 969  | 32             |
| SJ5-43 | 1824     | 750 | 1074 | 33             |

Note: The size B is varied with the motors of different manufacturers.

## Performance curve

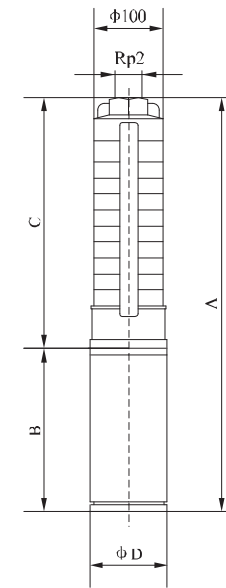
ISO9906 Annex A 2850rpm



## Performance table

| Model  | Driving motor |      | Q<br>(m³/h) | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  |
|--------|---------------|------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|        | (kW)          | (hp) |             |     |     |     |     |     |     |     |     |     |     |
| SJ8-5  | 0.75          | 1    | H<br>(m)    | 27  | 26  | 24  | 23  | 22  | 21  | 19  | 17  | 14  | 10  |
| SJ8-7  | 1.1           | 1.5  |             | 38  | 36  | 34  | 33  | 31  | 29  | 27  | 24  | 20  | 14  |
| SJ8-10 | 1.5           | 2    |             | 54  | 52  | 50  | 47  | 45  | 42  | 39  | 35  | 29  | 21  |
| SJ8-12 | 2.2           | 3    |             | 65  | 62  | 60  | 57  | 54  | 51  | 47  | 42  | 35  | 26  |
| SJ8-15 | 2.2           | 3    |             | 81  | 77  | 74  | 71  | 68  | 64  | 59  | 53  | 44  | 33  |
| SJ8-18 | 3.0           | 4    |             | 95  | 93  | 89  | 86  | 81  | 77  | 71  | 63  | 53  | 40  |
| SJ8-21 | 4.0           | 5.5  |             | 112 | 108 | 104 | 100 | 95  | 90  | 83  | 74  | 62  | 47  |
| SJ8-25 | 4.0           | 5.5  |             | 135 | 129 | 124 | 119 | 113 | 108 | 99  | 89  | 74  | 56  |
| SJ8-30 | 5.5           | 7.5  |             | 162 | 155 | 149 | 143 | 136 | 130 | 119 | 106 | 88  | 67  |
| SJ8-37 | 5.5           | 7.5  |             | 201 | 191 | 184 | 176 | 167 | 159 | 147 | 131 | 109 | 82  |
| SJ8-44 | 7.5           | 10   |             | 242 | 227 | 218 | 209 | 199 | 190 | 174 | 156 | 129 | 98  |
| SJ8-50 | 7.5           | 10   |             | 272 | 258 | 248 | 238 | 226 | 216 | 198 | 177 | 147 | 111 |

## Installation sketch



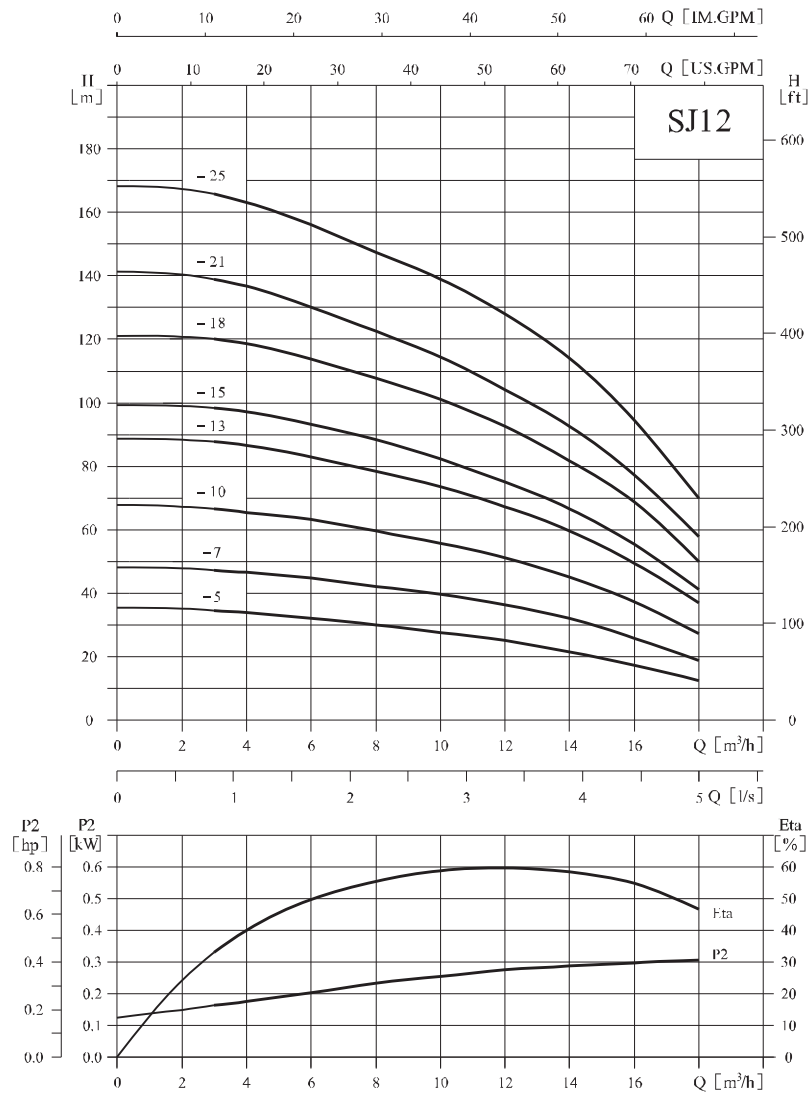
## Size and weight

| Model  | Size(mm)(Coupled to 4"/6" motor) |     |      |        | Weight<br>(kg) |
|--------|----------------------------------|-----|------|--------|----------------|
|        | A                                | B   | C    | Φ D    |                |
| SJ8-5  | 853                              | 400 | 453  | 96     | 15             |
| SJ8-7  | 977                              | 440 | 537  | 96     | 16             |
| SJ8-10 | 1133                             | 470 | 663  | 96     | 19             |
| SJ8-12 | 1257                             | 510 | 747  | 96     | 23             |
| SJ8-15 | 1383                             | 510 | 873  | 96     | 25             |
| SJ8-18 | 1619                             | 620 | 999  | 96     | 30             |
| SJ8-21 | 1907                             | 782 | 1125 | 96 143 | 35/62          |
| SJ8-25 | 2075                             | 782 | 1293 | 96 143 | 37/64          |
| SJ8-30 | 2343                             | 840 | 1503 | 96 143 | 45/66          |
| SJ8-37 | 2637                             | 840 | 1797 | 96 143 | 49/70          |
| SJ8-44 | 3011                             | 920 | 2091 | 96 143 | 59/77          |
| SJ8-50 | 3263                             | 920 | 2343 | 96 143 | 62/80          |

Note: The size B is varied with the motors of different manufacturers.

## Performance curve

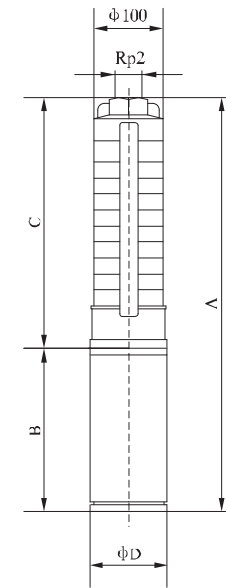
ISO9906 Annex A 2850rpm



## Performance table

| Model   | Driving motor |      | Q<br>(m³/h) | 3   | 4   | 6   | 8   | 10  | 12  | 14  | 16 | 18 |
|---------|---------------|------|-------------|-----|-----|-----|-----|-----|-----|-----|----|----|
|         | (kW)          | (hp) |             |     |     |     |     |     |     |     |    |    |
| SJ12-5  | 1.5           | 2    | H<br>(m)    | 34  | 33  | 31  | 29  | 27  | 25  | 22  | 18 | 13 |
| SJ12-7  | 2.2           | 3    |             | 48  | 46  | 43  | 40  | 38  | 35  | 31  | 25 | 19 |
| SJ12-10 | 3.0           | 4    |             | 67  | 65  | 62  | 58  | 55  | 50  | 45  | 36 | 27 |
| SJ12-13 | 4.0           | 5.5  |             | 88  | 86  | 81  | 76  | 71  | 66  | 59  | 48 | 36 |
| SJ12-15 | 5.5           | 7.5  |             | 99  | 97  | 93  | 88  | 82  | 76  | 68  | 55 | 41 |
| SJ12-18 | 5.5           | 7.5  |             | 120 | 118 | 112 | 105 | 99  | 91  | 81  | 66 | 50 |
| SJ12-21 | 7.5           | 10   |             | 138 | 136 | 130 | 123 | 115 | 106 | 95  | 77 | 58 |
| SJ12-25 | 7.5           | 10   |             | 166 | 163 | 155 | 146 | 137 | 126 | 113 | 92 | 69 |

## Installation sketch



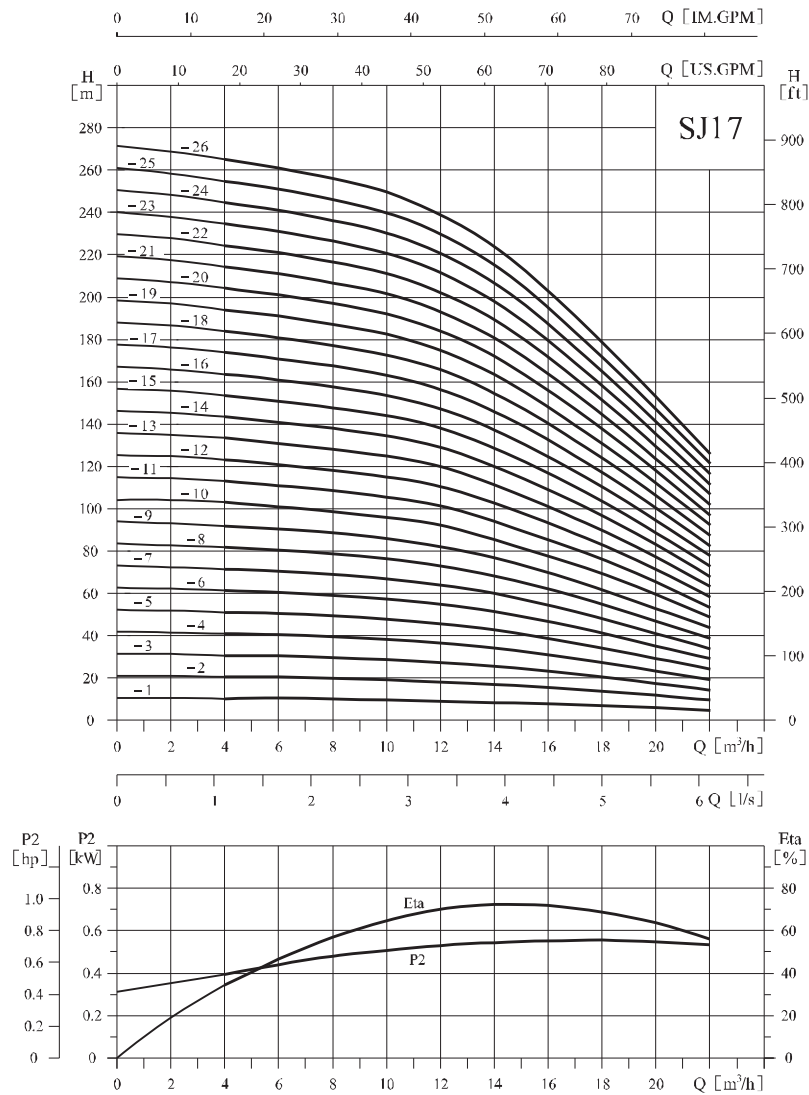
## Size and weight

| Model   | Size(mm)(Coupled to 4/6" motor) |     |      |        | Weight<br>(kg) |
|---------|---------------------------------|-----|------|--------|----------------|
|         | A                               | B   | C    | φD     |                |
| SJ12-5  | 1005                            | 470 | 535  | 96     | 15             |
| SJ12-7  | 1175                            | 510 | 665  | 96     | 21             |
| SJ12-10 | 1480                            | 620 | 860  | 96     | 27             |
| SJ12-13 | 1837                            | 782 | 1055 | 96/143 | 33/60          |
| SJ12-15 | 2025                            | 840 | 1185 | 96/143 | 40 62          |
| SJ12-18 | 2220                            | 840 | 1380 | 96/143 | 43 65          |
| SJ12-21 | 2495                            | 920 | 1575 | 96/143 | 53/71          |
| SJ12-25 | 2755                            | 920 | 1835 | 96/143 | 57/75          |

Note: The size B is varied with the motors of different manufacturers.

## Performance curve

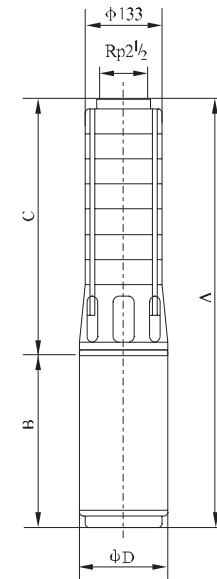
ISO9906 Annex A 2850rpm



## Performance table

| Model   | Driving motor |      | Q<br>(m³/h) | 4   | 6    | 8    | 10   | 12   | 14   | 17   | 20  | 22 |
|---------|---------------|------|-------------|-----|------|------|------|------|------|------|-----|----|
|         | (kW)          | (hp) |             |     |      |      |      |      |      |      |     |    |
| SJ17-1  | 0.55          | 0.75 | 10.5        | 10  | 9.5  | 9    | 8.5  | 8    | 6.5  | 5    | 4   |    |
| SJ17-2  | 1.1           | 1.5  | 20.5        | 20  | 19.5 | 19   | 18   | 16   | 13.5 | 10.5 | 8   |    |
| SJ17-3  | 2.2           | 3    | 31          | 30  | 29.5 | 28.5 | 27   | 24.5 | 20.5 | 16   | 13  |    |
| SJ17-4  | 2.2           | 3    | 41          | 40  | 39.5 | 38   | 36.5 | 33.5 | 28   | 22   | 18  |    |
| SJ17-5  | 3.0           | 4    | 52          | 51  | 50   | 48   | 45   | 42   | 35   | 28   | 23  |    |
| SJ17-6  | 4.0           | 5.5  | 62          | 61  | 60   | 58   | 55   | 51   | 42   | 34   | 27  |    |
| SJ17-7  | 4.0           | 5.5  | 73          | 71  | 70   | 67   | 64   | 59   | 49   | 40   | 31  |    |
| SJ17-8  | 5.5           | 7.5  | 83          | 81  | 80   | 77   | 73   | 67   | 57   | 45   | 36  |    |
| SJ17-9  | 5.5           | 7.5  | 93          | 91  | 90   | 87   | 82   | 76   | 64   | 52   | 40  |    |
| SJ17-10 | 5.5           | 7.5  | 103         | 101 | 100  | 97   | 91   | 85   | 72   | 58   | 45  |    |
| SJ17-11 | 7.5           | 10   | 113         | 111 | 109  | 106  | 100  | 94   | 79   | 64   | 50  |    |
| SJ17-12 | 7.5           | 10   | 123         | 121 | 119  | 115  | 109  | 102  | 87   | 70   | 55  |    |
| SJ17-13 | 7.5           | 10   | 133         | 131 | 129  | 125  | 118  | 111  | 95   | 75   | 60  |    |
| SJ17-14 | 9.2           | 12.5 | 143         | 141 | 139  | 134  | 128  | 119  | 102  | 81   | 65  |    |
| SJ17-15 | 9.2           | 12.5 | 153         | 151 | 148  | 144  | 137  | 128  | 109  | 87   | 70  |    |
| SJ17-16 | 9.2           | 12.5 | 163         | 161 | 158  | 154  | 146  | 136  | 116  | 92   | 75  |    |
| SJ17-17 | 9.2           | 12.5 | 173         | 171 | 167  | 163  | 155  | 145  | 123  | 98   | 79  |    |
| SJ17-18 | 11            | 15   | 184         | 181 | 177  | 173  | 164  | 154  | 130  | 104  | 84  |    |
| SJ17-19 | 11            | 15   | 194         | 191 | 187  | 182  | 174  | 162  | 138  | 110  | 89  |    |
| SJ17-20 | 11            | 15   | 204         | 201 | 197  | 192  | 184  | 171  | 145  | 116  | 94  |    |
| SJ17-21 | 13            | 17.5 | 214         | 211 | 207  | 202  | 193  | 180  | 152  | 121  | 99  |    |
| SJ17-22 | 13            | 17.5 | 224         | 221 | 217  | 211  | 202  | 188  | 160  | 127  | 104 |    |
| SJ17-23 | 13            | 17.5 | 235         | 231 | 227  | 221  | 211  | 197  | 167  | 133  | 109 |    |
| SJ17-24 | 13            | 17.5 | 245         | 241 | 236  | 230  | 220  | 205  | 174  | 139  | 113 |    |
| SJ17-25 | 15            | 20   | 255         | 251 | 246  | 240  | 229  | 213  | 181  | 145  | 118 |    |
| SJ17-26 | 15            | 20   | 265         | 261 | 256  | 250  | 238  | 222  | 189  | 150  | 122 |    |

## Installation sketch



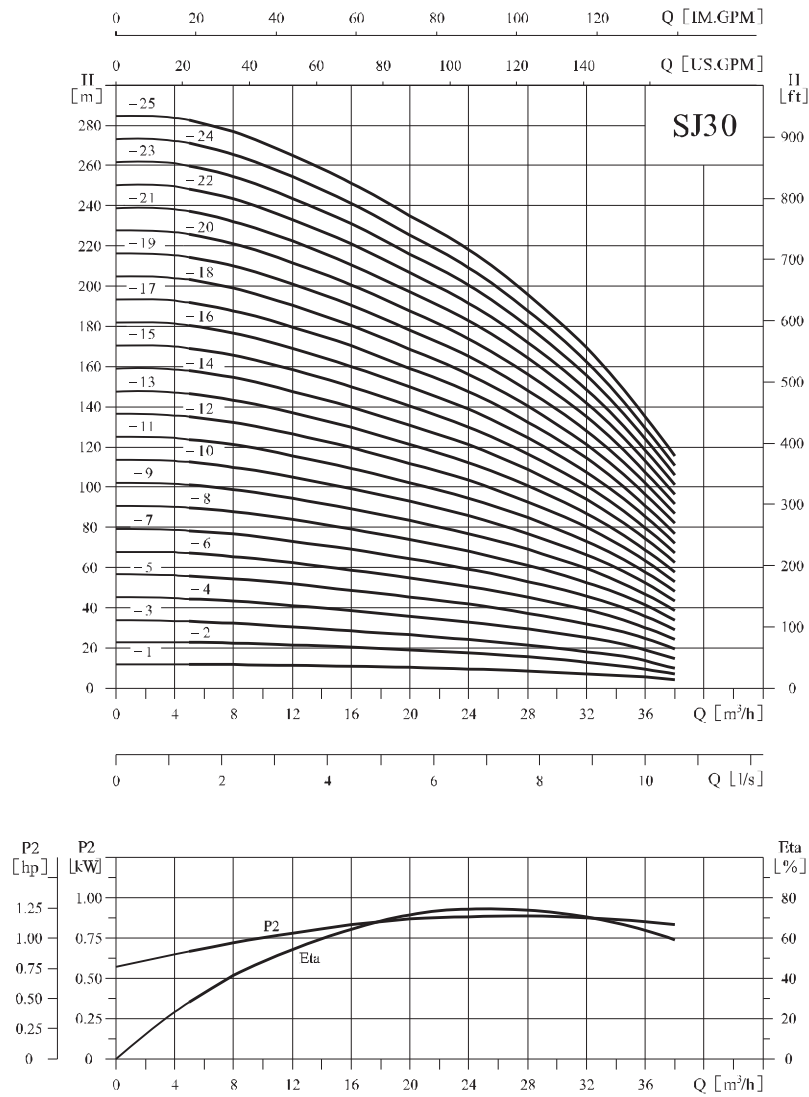
## Size and weight

| Model   | Size(mm)(Coupled to 4/6' motor) |      |      |          | Weight<br>(kg) |
|---------|---------------------------------|------|------|----------|----------------|
|         | A                               | B    | C    | $\Phi D$ |                |
| SJ17-1  | 708                             | 380  | 328  | 96       | 14             |
| SJ17-2  | 828                             | 440  | 388  | 96       | 18             |
| SJ17-3  | 959                             | 510  | 449  | 96       | 23             |
| SJ17-4  | 1019                            | 510  | 509  | 96       | 24             |
| SJ17-5  | 1190                            | 620  | 570  | 96       | 29             |
| SJ17-6  | 1412                            | 782  | 630  | 96/143   | 33 58          |
| SJ17-7  | 1473                            | 782  | 691  | 96/143   | 34 59          |
| SJ17-8  | 1591                            | 840  | 751  | 96/143   | 40 64          |
| SJ17-9  | 1652                            | 840  | 812  | 96/143   | 41/65          |
| SJ17-10 | 1712                            | 840  | 872  | 96/143   | 42 66          |
| SJ17-11 | 1853                            | 920  | 933  | 96/143   | 50/72          |
| SJ17-12 | 1913                            | 920  | 993  | 96/143   | 51/73          |
| SJ17-13 | 1974                            | 920  | 1054 | 96/143   | 52/74          |
| SJ17-14 | 2027                            | 897  | 1130 | 143      | 79             |
| SJ17-15 | 2088                            | 897  | 1191 | 143      | 80             |
| SJ17-16 | 2148                            | 897  | 1251 | 143      | 81             |
| SJ17-17 | 2209                            | 897  | 1312 | 143      | 82             |
| SJ17-18 | 2314                            | 942  | 1372 | 143      | 87             |
| SJ17-19 | 2375                            | 942  | 1433 | 143      | 88             |
| SJ17-20 | 2435                            | 942  | 1493 | 143      | 89             |
| SJ17-21 | 2534                            | 980  | 1554 | 143      | 99             |
| SJ17-22 | 2594                            | 980  | 1614 | 143      | 100            |
| SJ17-23 | 2655                            | 980  | 1675 | 143      | 101            |
| SJ17-24 | 2715                            | 980  | 1735 | 143      | 102            |
| SJ17-25 | 2826                            | 1030 | 1796 | 143      | 103            |
| SJ17-26 | 2886                            | 1030 | 1856 | 143      | 104            |

Note: The size B is varied with the motors of different manufacturers.

## Performance curve

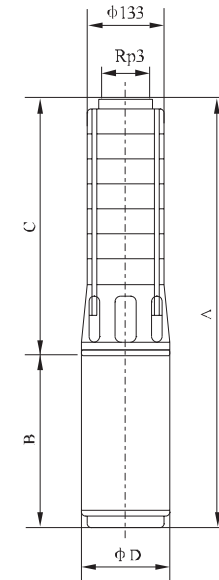
## ISO9906 Annex A 2850rpm



## Performance table

| Model   | Driving motor<br>(kW) (hp) |      | Q<br>(m³/h) | 5    | 8   | 12   | 16  | 20  | 24   | 28  | 30  | 32  | 36   | 38  |
|---------|----------------------------|------|-------------|------|-----|------|-----|-----|------|-----|-----|-----|------|-----|
| SJ30-1  | 1.1                        | 1.5  | H<br>(m)    | 11.5 | 11  | 10.5 | 10  | 9.5 | 9    | 8   | 7.5 | 7   | 5.5  | 4.5 |
| SJ30-2  | 2.2                        | 3    |             | 22.5 | 22  | 21   | 20  | 19  | 17.5 | 16  | 15  | 14  | 10.5 | 9   |
| SJ30-3  | 3.0                        | 4    |             | 33.5 | 33  | 32   | 30  | 28  | 26   | 24  | 22  | 20  | 16   | 14  |
| SJ30-4  | 4.0                        | 5.5  |             | 44.5 | 44  | 42   | 40  | 37  | 35   | 32  | 29  | 27  | 21   | 18  |
| SJ30-5  | 5.5                        | 7.5  |             | 55.5 | 55  | 53   | 50  | 47  | 44   | 40  | 37  | 34  | 27   | 23  |
| SJ30-6  | 5.5                        | 7.5  |             | 67   | 66  | 63   | 60  | 56  | 52   | 48  | 44  | 41  | 32   | 27  |
| SJ30-7  | 7.5                        | 10   |             | 77   | 76  | 74   | 70  | 65  | 61   | 55  | 52  | 48  | 37   | 32  |
| SJ30-8  | 7.5                        | 10   |             | 89   | 87  | 84   | 80  | 75  | 70   | 63  | 59  | 54  | 43   | 36  |
| SJ30-9  | 9.2                        | 12.5 |             | 101  | 98  | 95   | 90  | 84  | 78   | 71  | 66  | 61  | 48   | 41  |
| SJ30-10 | 9.2                        | 12.5 |             | 112  | 109 | 105  | 100 | 93  | 87   | 79  | 74  | 68  | 53   | 45  |
| SJ30-11 | 9.2                        | 12.5 |             | 123  | 120 | 116  | 110 | 103 | 96   | 87  | 81  | 75  | 59   | 50  |
| SJ30-12 | 11                         | 15   |             | 134  | 131 | 126  | 120 | 112 | 105  | 95  | 88  | 82  | 64   | 54  |
| SJ30-13 | 11                         | 15   |             | 145  | 142 | 137  | 129 | 121 | 113  | 103 | 96  | 88  | 69   | 59  |
| SJ30-14 | 13                         | 17.5 |             | 157  | 153 | 147  | 139 | 130 | 122  | 111 | 103 | 95  | 74   | 63  |
| SJ30-15 | 13                         | 17.5 |             | 168  | 164 | 158  | 149 | 140 | 131  | 119 | 110 | 102 | 80   | 68  |
| SJ30-16 | 15                         | 20   |             | 180  | 175 | 168  | 159 | 149 | 140  | 127 | 118 | 109 | 85   | 72  |
| SJ30-17 | 15                         | 20   |             | 190  | 186 | 179  | 169 | 158 | 148  | 135 | 125 | 116 | 90   | 77  |
| SJ30-18 | 18.5                       | 25   |             | 201  | 197 | 189  | 179 | 168 | 157  | 143 | 132 | 122 | 96   | 81  |
| SJ30-19 | 18.5                       | 25   |             | 212  | 207 | 200  | 189 | 177 | 166  | 150 | 140 | 129 | 101  | 86  |
| SJ30-20 | 18.5                       | 25   |             | 223  | 218 | 210  | 199 | 186 | 174  | 158 | 147 | 136 | 106  | 90  |
| SJ30-21 | 18.5                       | 25   |             | 235  | 229 | 221  | 209 | 196 | 183  | 166 | 155 | 143 | 112  | 95  |
| SJ30-22 | 22                         | 30   |             | 246  | 240 | 231  | 219 | 205 | 192  | 174 | 162 | 150 | 117  | 99  |
| SJ30-23 | 22                         | 30   |             | 258  | 251 | 242  | 229 | 214 | 201  | 182 | 169 | 156 | 122  | 104 |
| SJ30-24 | 22                         | 30   |             | 269  | 262 | 252  | 239 | 224 | 209  | 190 | 177 | 163 | 128  | 108 |
| SJ30-25 | 22                         | 30   |             | 281  | 273 | 263  | 249 | 233 | 218  | 198 | 184 | 170 | 133  | 113 |

## Installation sketch



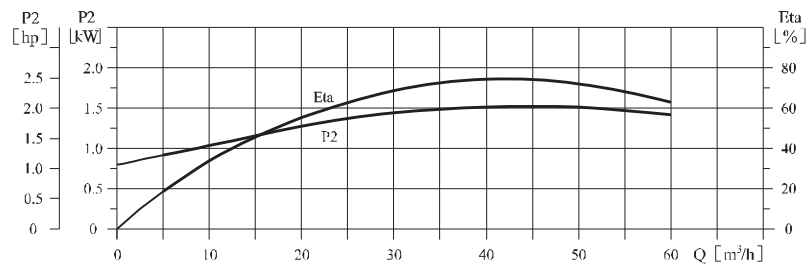
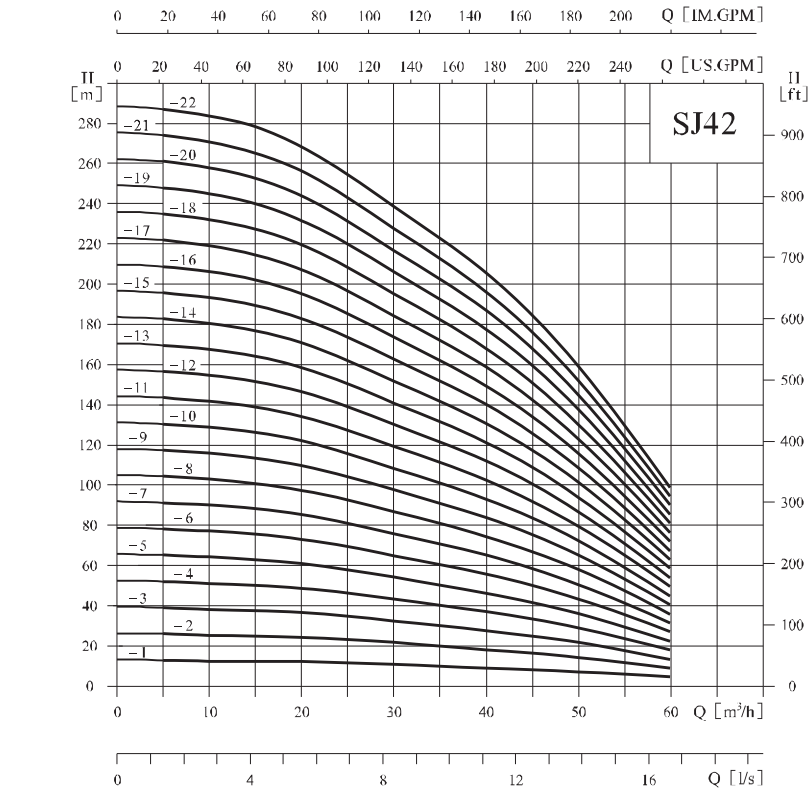
## Size and weight

| Model   | Size(mm)(Coupled to 4/6' motor) |      |      |        | Weight<br>(kg) |
|---------|---------------------------------|------|------|--------|----------------|
| SJ30-1  | 802                             | 440  | 362  | 96     | 15             |
| SJ30-2  | 968                             | 510  | 458  | 96     | 21             |
| SJ30-3  | 1174                            | 620  | 554  | 96     | 27             |
| SJ30-4  | 1432                            | 782  | 650  | 96/143 | 32 59          |
| SJ30-5  | 1586                            | 840  | 746  | 96/143 | 39 62          |
| SJ30-6  | 1682                            | 840  | 842  | 96/143 | 41 64          |
| SJ30-7  | 1858                            | 920  | 938  | 96/143 | 49 71          |
| SJ30-8  | 1954                            | 920  | 1034 | 96/143 | 57 73          |
| SJ30-9  | 2043                            | 897  | 1146 | 143    | 79             |
| SJ30-10 | 2139                            | 897  | 1242 | 143    | 81             |
| SJ30-11 | 2235                            | 897  | 1338 | 143    | 83             |
| SJ30-12 | 2376                            | 942  | 1434 | 143    | 89             |
| SJ30-13 | 2472                            | 942  | 1530 | 143    | 90             |
| SJ30-14 | 2606                            | 980  | 1626 | 143    | 101            |
| SJ30-15 | 2702                            | 980  | 1722 | 143    | 103            |
| SJ30-16 | 2848                            | 1030 | 1818 | 143    | 105            |
| SJ30-17 | 2944                            | 1030 | 1914 | 143    | 107            |
| SJ30-18 | 3100                            | 1090 | 2010 | 143    | 116            |
| SJ30-19 | 3196                            | 1090 | 2106 | 143    | 118            |
| SJ30-20 | 3292                            | 1090 | 2202 | 143    | 119            |
| SJ30-21 | 3388                            | 1090 | 2298 | 143    | 121            |
| SJ30-22 | 3554                            | 1160 | 2394 | 143    | 128            |
| SJ30-23 | 3650                            | 1160 | 2490 | 143    | 130            |
| SJ30-24 | 3746                            | 1160 | 2586 | 143    | 132            |
| SJ30-25 | 3842                            | 1160 | 2682 | 143    | 134            |

Note: The size B is varied with the motors of different manufacturers.

## Performance curve

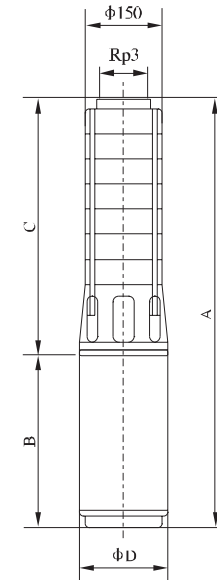
ISO9906 Annex A 2850rpm



## Performance table

| Model   | Driving motor |      | Q<br>(m³/h) | 5    | 10  | 20   | 30   | 40   | 42   | 50  | 60 |
|---------|---------------|------|-------------|------|-----|------|------|------|------|-----|----|
|         | (kW)          | (hp) |             |      |     |      |      |      |      |     |    |
| SJ42-1  | 2.2           | 3    | 13          | 12.5 | 12  | 10.5 | 9    | 8.5  | 7    | 4   |    |
| SJ42-2  | 3.0           | 4    | 26          | 25.5 | 24  | 21.5 | 18.5 | 17   | 14.5 | 8.5 |    |
| SJ42-3  | 5.5           | 7.5  | 40          | 38.5 | 36  | 32.5 | 28   | 26.5 | 22   | 13  |    |
| SJ42-4  | 7.5           | 10   | 53          | 52   | 49  | 43   | 37   | 36   | 29   | 18  |    |
| SJ42-5  | 7.5           | 10   | 66          | 65   | 61  | 54   | 47   | 45   | 38   | 23  |    |
| SJ42-6  | 9.2           | 12.5 | 79          | 78   | 74  | 66   | 57   | 54   | 45   | 28  |    |
| SJ42-7  | 11            | 15   | 92          | 91   | 86  | 77   | 66   | 63   | 52   | 32  |    |
| SJ42-8  | 13            | 17.5 | 105         | 104  | 98  | 87   | 75   | 72   | 58   | 36  |    |
| SJ42-9  | 15            | 20   | 118         | 117  | 110 | 97   | 84   | 80   | 65   | 40  |    |
| SJ42-10 | 15            | 20   | 132         | 130  | 122 | 108  | 93   | 89   | 72   | 45  |    |
| SJ42-11 | 18.5          | 25   | 144         | 142  | 134 | 119  | 103  | 98   | 79   | 49  |    |
| SJ42-12 | 18.5          | 25   | 157         | 155  | 146 | 130  | 112  | 107  | 87   | 54  |    |
| SJ42-13 | 22            | 30   | 170         | 168  | 158 | 141  | 122  | 116  | 94   | 58  |    |
| SJ42-14 | 22            | 30   | 183         | 181  | 170 | 152  | 131  | 125  | 102  | 63  |    |
| SJ42-15 | 22            | 30   | 196         | 194  | 182 | 163  | 140  | 134  | 109  | 67  |    |
| SJ42-16 | 25            | 34   | 209         | 207  | 194 | 174  | 150  | 143  | 116  | 72  |    |
| SJ42-17 | 25            | 34   | 222         | 220  | 206 | 184  | 159  | 152  | 123  | 77  |    |
| SJ42-18 | 30            | 40   | 235         | 233  | 218 | 195  | 168  | 161  | 131  | 81  |    |
| SJ42-19 | 30            | 40   | 248         | 246  | 231 | 206  | 178  | 170  | 138  | 86  |    |
| SJ42-20 | 30            | 40   | 261         | 259  | 243 | 217  | 187  | 179  | 145  | 90  |    |
| SJ42-21 | 37            | 50   | 274         | 271  | 255 | 228  | 196  | 188  | 152  | 95  |    |
| SJ42-22 | 37            | 50   | 287         | 283  | 267 | 238  | 205  | 197  | 160  | 99  |    |

## Installation sketch



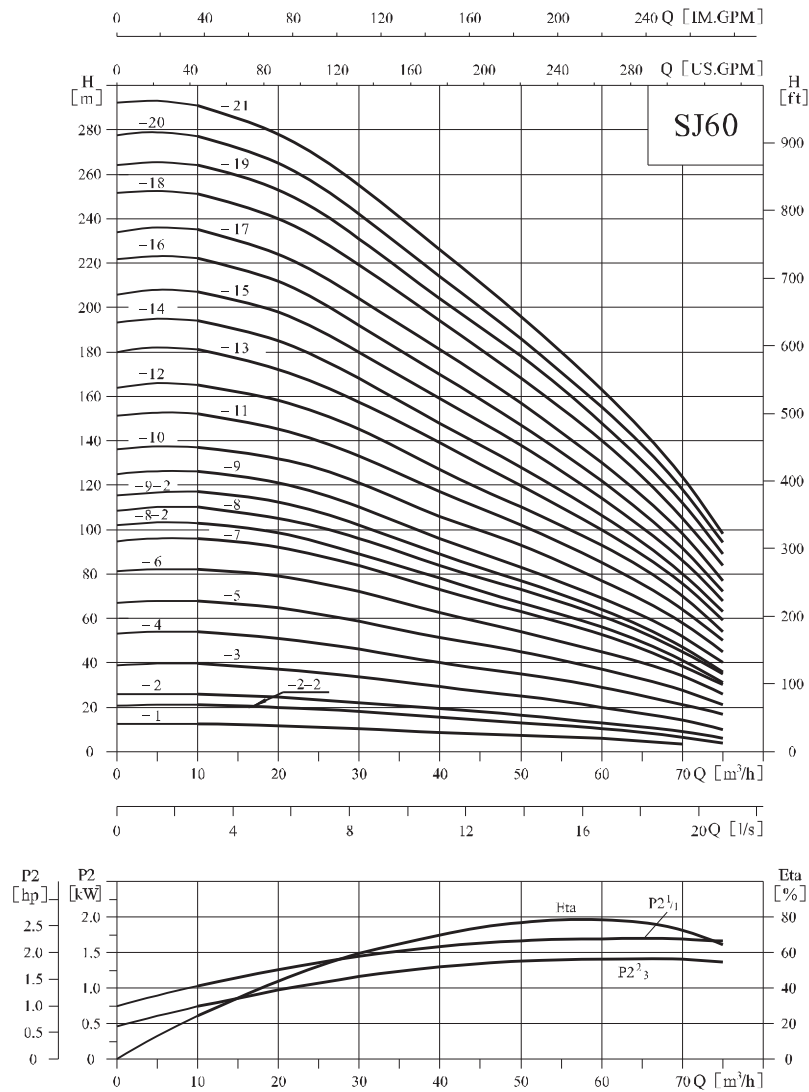
## Size and weight

| Model   | Size(mm)(Coupled to 4/6' motor) |      |      |        | Weight<br>(kg) |
|---------|---------------------------------|------|------|--------|----------------|
|         | A                               | B    | C    | Φ D    |                |
| SJ42-1  | 888                             | 510  | 378  | 96     | 20             |
| SJ42-2  | 1111                            | 620  | 491  | 96     | 27             |
| SJ42-3  | 1444                            | 840  | 604  | 96/143 | 37/59          |
| SJ42-4  | 1637                            | 920  | 717  | 96/143 | 46/68          |
| SJ42-5  | 1750                            | 920  | 830  | 96/143 | 49/71          |
| SJ42-6  | 1856                            | 897  | 959  | 143    | 77             |
| SJ42-7  | 2014                            | 942  | 1072 | 143    | 84             |
| SJ42-8  | 2165                            | 980  | 1185 | 143    | 95             |
| SJ42-9  | 2328                            | 1030 | 1298 | 143    | 97             |
| SJ42-10 | 2441                            | 1030 | 1411 | 143    | 100            |
| SJ42-11 | 2614                            | 1090 | 1524 | 143    | 109            |
| SJ42-12 | 2727                            | 1090 | 1637 | 143    | 111            |
| SJ42-13 | 2910                            | 1160 | 1750 | 143    | 119            |
| SJ42-14 | 3023                            | 1160 | 1863 | 143    | 121            |
| SJ42-15 | 3136                            | 1160 | 1976 | 143    | 124            |
| SJ42-16 | 3331                            | 1242 | 2089 | 143    | 135            |
| SJ42-17 | 3444                            | 1242 | 2202 | 143    | 137            |
| SJ42-18 | 3697                            | 1382 | 2315 | 143    | 147            |
| SJ42-19 | 3810                            | 1382 | 2428 | 143    | 149            |
| SJ42-20 | 3923                            | 1382 | 2541 | 143    | 151            |
| SJ42-21 | 4224                            | 1570 | 2654 | 143    | 169            |
| SJ42-22 | 4337                            | 1570 | 2767 | 143    | 171            |

Note: The size B is varied with the motors of different manufacturers.

## Performance curve

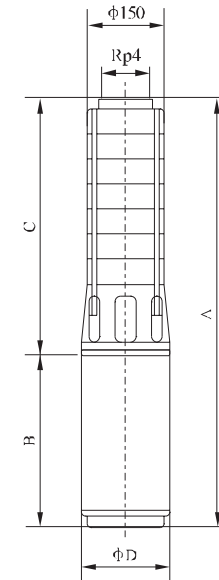
ISO9906 Annex A 2850rpm



## Performance table

| Model    | Driving motor |      | Q<br>(m³/h) | 10   | 20   | 30   | 40   | 50   | 60  | 70 | 75 |
|----------|---------------|------|-------------|------|------|------|------|------|-----|----|----|
|          | (kW)          | (hp) |             |      |      |      |      |      |     |    |    |
| SJ60-1   | 2.2           | 3    | 12.5        | 12   | 10.5 | 8.5  | 7    | 6    | 4   | —  | —  |
| SJ60-2-2 | 3.0           | 4    | 21          | 20   | 18   | 15.5 | 13   | 10.5 | 6.5 | 4  | 4  |
| SJ60-2   | 4.0           | 5.5  | 26          | 24.5 | 22   | 19   | 16.5 | 12.5 | 9   | 6  | 6  |
| SJ60-3   | 5.5           | 7.5  | 40          | 37   | 34   | 29   | 25   | 20   | 14  | 10 | 10 |
| SJ60-4   | 7.5           | 10   | 54          | 51   | 46   | 40   | 35   | 29   | 21  | 17 | 17 |
| SJ60-5   | 9.2           | 12.5 | 68          | 65   | 59   | 51   | 45   | 37   | 28  | 21 | 21 |
| SJ60-6   | 11            | 15   | 82          | 79   | 72   | 62   | 54   | 45   | 34  | 26 | 26 |
| SJ60-7   | 13            | 17.5 | 96          | 92   | 84   | 73   | 63   | 53   | 39  | 30 | 30 |
| SJ60-8-2 | 13            | 17.5 | 103         | 99   | 89   | 78   | 67   | 56   | 41  | 31 | 31 |
| SJ60-8   | 15            | 20   | 110         | 105  | 96   | 84   | 73   | 61   | 45  | 35 | 35 |
| SJ60-9-2 | 15            | 20   | 117         | 112  | 102  | 89   | 77   | 64   | 47  | 36 | 36 |
| SJ60-9   | 18.5          | 25   | 124         | 121  | 110  | 96   | 85   | 69   | 52  | 40 | 40 |
| SJ60-10  | 18.5          | 25   | 137         | 132  | 121  | 106  | 93   | 77   | 58  | 45 | 45 |
| SJ60-11  | 22            | 30   | 152         | 145  | 133  | 117  | 102  | 85   | 64  | 50 | 50 |
| SJ60-12  | 22            | 30   | 165         | 158  | 145  | 127  | 110  | 93   | 70  | 54 | 54 |
| SJ60-13  | 25            | 34   | 181         | 172  | 157  | 139  | 120  | 100  | 75  | 59 | 59 |
| SJ60-14  | 25            | 34   | 194         | 185  | 168  | 148  | 128  | 106  | 80  | 63 | 63 |
| SJ60-15  | 25            | 34   | 207         | 198  | 180  | 159  | 138  | 114  | 85  | 68 | 68 |
| SJ60-16  | 30            | 40   | 222         | 212  | 192  | 170  | 147  | 122  | 91  | 72 | 72 |
| SJ60-17  | 30            | 40   | 235         | 224  | 204  | 181  | 157  | 130  | 98  | 77 | 77 |
| SJ60-18  | 37            | 50   | 251         | 240  | 219  | 194  | 168  | 140  | 105 | 84 | 84 |
| SJ60-19  | 37            | 50   | 264         | 253  | 231  | 204  | 178  | 148  | 112 | 89 | 89 |
| SJ60-20  | 37            | 50   | 277         | 265  | 242  | 214  | 186  | 155  | 118 | 94 | 94 |
| SJ60-21  | 37            | 50   | 291         | 278  | 255  | 226  | 196  | 163  | 123 | 98 | 98 |

## Installation sketch



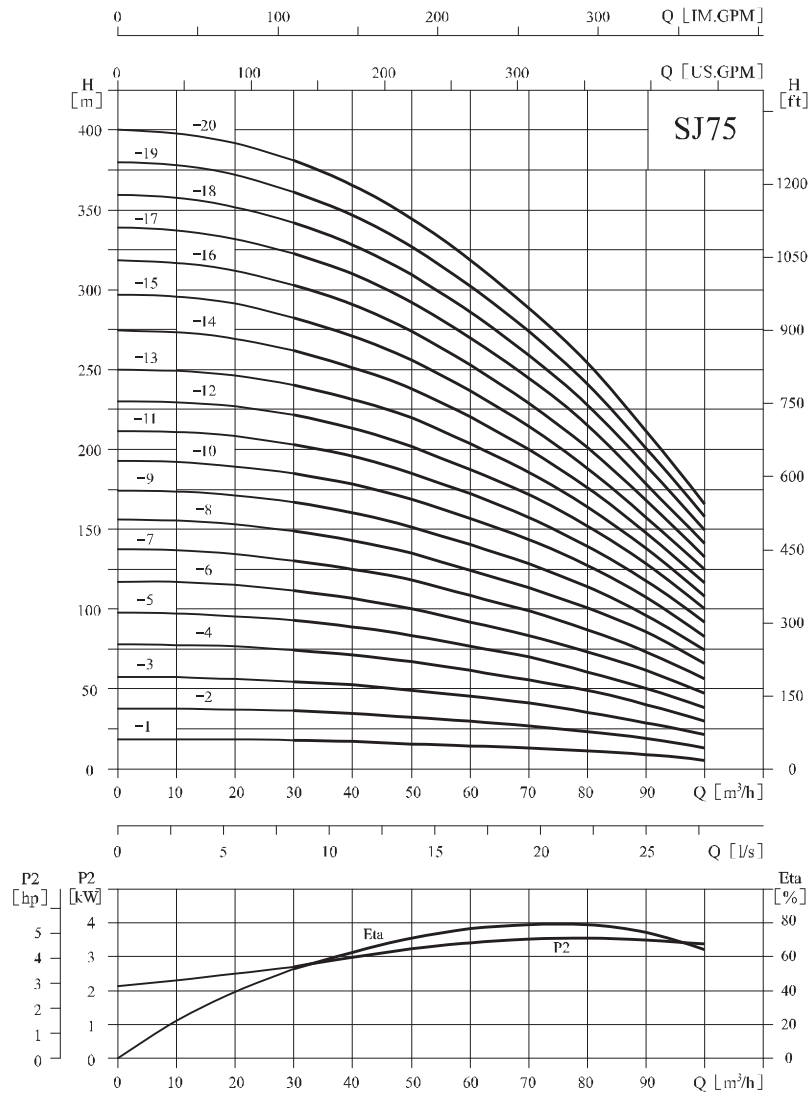
## Size and weight

| Model    | Size(mm)(Coupled to 4/6' motor) |      |      |        | Weight<br>(kg) |
|----------|---------------------------------|------|------|--------|----------------|
|          | A                               | B    | C    | Φ D    |                |
| SJ60-1   | 878                             | 510  | 368  | 96     | 18             |
| SJ60-2-2 | 1101                            | 620  | 481  | 96     | 26             |
| SJ60-2   | 1263                            | 782  | 481  | 96 143 | 29 56          |
| SJ60-3   | 1434                            | 840  | 594  | 96 143 | 37 59          |
| SJ60-4   | 1627                            | 920  | 707  | 96 143 | 46 68          |
| SJ60-5   | 1717                            | 897  | 820  | 143    | 75             |
| SJ60-6   | 1891                            | 942  | 949  | 143    | 82             |
| SJ60-7   | 2042                            | 980  | 1062 | 143    | 94             |
| SJ60-8-2 | 2155                            | 980  | 1175 | 143    | 96             |
| SJ60-8   | 2205                            | 1030 | 1175 | 143    | 97             |
| SJ60-9-2 | 2318                            | 1030 | 1288 | 143    | 100            |
| SJ60-9   | 2378                            | 1090 | 1288 | 143    | 107            |
| SJ60-10  | 2491                            | 1090 | 1401 | 143    | 110            |
| SJ60-11  | 2674                            | 1160 | 1514 | 143    | 118            |
| SJ60-12  | 2787                            | 1160 | 1627 | 143    | 121            |
| SJ60-13  | 2982                            | 1242 | 1740 | 143    | 133            |
| SJ60-14  | 3095                            | 1242 | 1853 | 143    | 136            |
| SJ60-15  | 3208                            | 1242 | 1966 | 143    | 146            |
| SJ60-16  | 3461                            | 1382 | 2079 | 143    | 149            |
| SJ60-17  | 3574                            | 1382 | 2192 | 143    | 152            |
| SJ60-18  | 3875                            | 1570 | 2305 | 143    | 170            |
| SJ60-19  | 3988                            | 1570 | 2418 | 143    | 173            |
| SJ60-20  | 4101                            | 1570 | 2531 | 143    | 176            |
| SJ60-21  | 4214                            | 1570 | 2644 | 143    | 179            |

Note: The size B is varied with the motors of different manufacturers.

## Performance curve

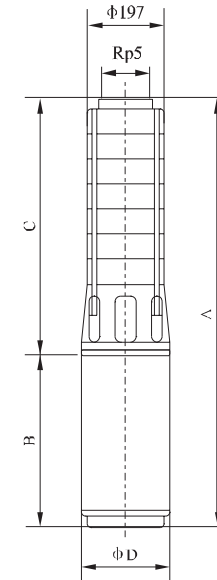
## ISO9906 Annex A 2900rpm



## Performance table

| Model   | Driving motor |      | Q<br>(m³/h) | 30   | 40   | 50   | 60   | 70  | 75   | 80  | 90   | 100 |
|---------|---------------|------|-------------|------|------|------|------|-----|------|-----|------|-----|
|         | (kW)          | (hp) |             |      |      |      |      |     |      |     |      |     |
| SJ75-1  | 4             | 5.5  | 18          | 17   | 15.5 | 14.5 | 13   | 12  | 11   | 9   | 5.5  |     |
| SJ75-2  | 7.5           | 10   | 36.5        | 34.5 | 32   | 30   | 27   | 25  | 23   | 19  | 12.5 |     |
| SJ75-3  | 11            | 15   | 54.5        | 52.5 | 49   | 45   | 41   | 38  | 35.5 | 29  | 21.5 |     |
| SJ75-4  | 15            | 20   | 73.5        | 71   | 66.5 | 61   | 55.5 | 52  | 48   | 40  | 30   |     |
| SJ75-5  | 18.5          | 25   | 92          | 89   | 83   | 76   | 70   | 65  | 60.5 | 51  | 38   |     |
| SJ75-6  | 22            | 30   | 111         | 107  | 100  | 91   | 84   | 79  | 73   | 62  | 47   |     |
| SJ75-7  | 30            | 40   | 130         | 125  | 118  | 107  | 98   | 93  | 87   | 73  | 56   |     |
| SJ75-8  | 30            | 40   | 148         | 143  | 135  | 124  | 113  | 107 | 101  | 85  | 65   |     |
| SJ75-9  | 37            | 50   | 167         | 161  | 152  | 140  | 128  | 121 | 114  | 96  | 74   |     |
| SJ75-10 | 37            | 50   | 185         | 178  | 169  | 157  | 143  | 135 | 127  | 107 | 83   |     |
| SJ75-11 | 45            | 60   | 203         | 196  | 185  | 172  | 158  | 148 | 139  | 118 | 92   |     |
| SJ75-12 | 45            | 60   | 222         | 214  | 202  | 188  | 172  | 162 | 152  | 129 | 100  |     |
| SJ75-13 | 55            | 75   | 241         | 232  | 220  | 204  | 186  | 175 | 164  | 139 | 108  |     |
| SJ75-14 | 55            | 75   | 262         | 251  | 238  | 220  | 200  | 188 | 176  | 149 | 116  |     |
| SJ75-15 | 55            | 75   | 283         | 271  | 256  | 236  | 214  | 201 | 188  | 159 | 124  |     |
| SJ75-16 | 63            | 85   | 303         | 291  | 274  | 253  | 229  | 215 | 202  | 169 | 133  |     |
| SJ75-17 | 63            | 85   | 323         | 310  | 292  | 270  | 245  | 229 | 215  | 179 | 142  |     |
| SJ75-18 | 75            | 100  | 342         | 329  | 309  | 286  | 259  | 243 | 228  | 190 | 150  |     |
| SJ75-19 | 75            | 100  | 361         | 347  | 327  | 302  | 274  | 257 | 241  | 201 | 158  |     |
| SJ75-20 | 75            | 100  | 381         | 366  | 345  | 318  | 288  | 271 | 254  | 212 | 167  |     |

## Installation sketch



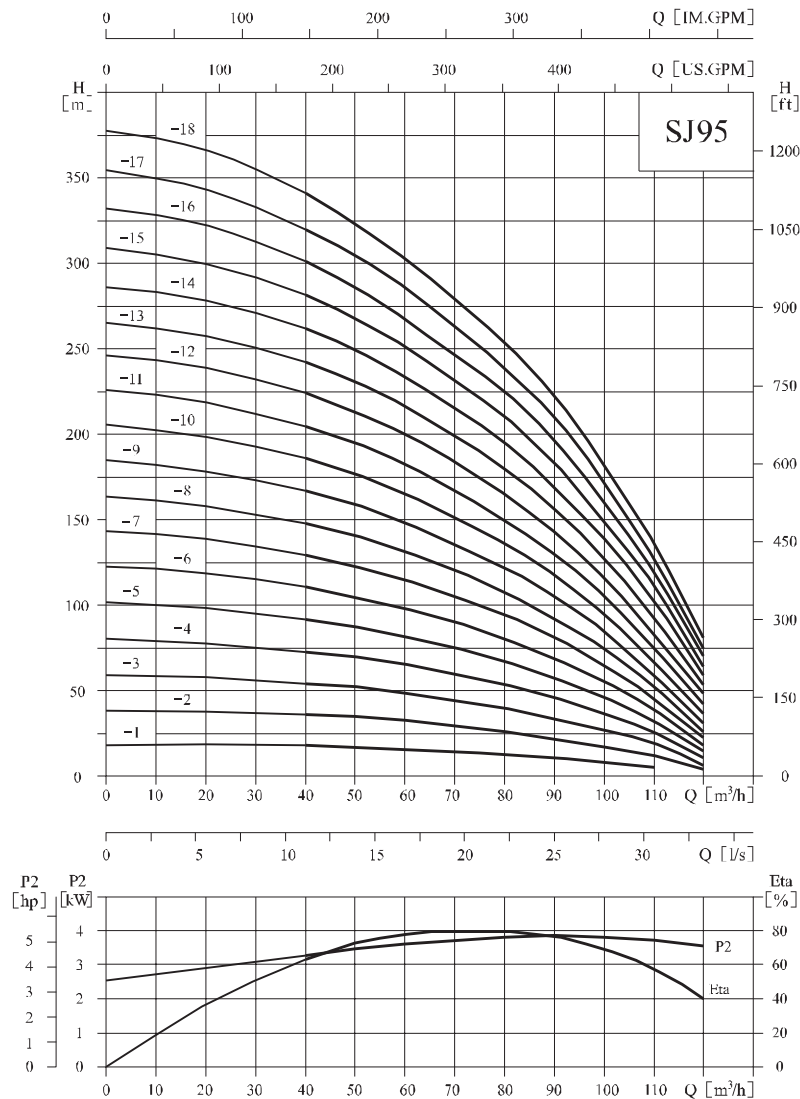
## Size and weight

| Model   | Size(mm)(Coupled to 6/8" motor) |           |           |         | Weight<br>(kg) |
|---------|---------------------------------|-----------|-----------|---------|----------------|
|         | A                               | B         | C         | Φ D     |                |
| SJ75-1  | 1270                            | 782       | 488       | 143     | 68             |
| SJ75-2  | 1476/1421                       | 862 790   | 614 631   | 143/184 | 80/114         |
| SJ75-3  | 1682/1577                       | 942 820   | 740/757   | 143/184 | 94/125         |
| SJ75-4  | 1896/1743                       | 1030 860  | 866/883   | 143/184 | 109/137        |
| SJ75-5  | 2082/1899                       | 1090 890  | 992/1009  | 143/184 | 122/148        |
| SJ75-6  | 2278 2075                       | 1160/940  | 1118/1135 | 143/184 | 133/166        |
| SJ75-7  | 2626/2311                       | 1382 1050 | 1244 1261 | 143/184 | 155/193        |
| SJ75-8  | 2752/2437                       | 1382 1050 | 1370/1387 | 143/184 | 161/199        |
| SJ75-9  | 3066/2663                       | 1570/1150 | 1496/1513 | 143/184 | 182/226        |
| SJ75-10 | 3192/2789                       | 1570/1150 | 1622/1639 | 143/184 | 188/232        |
| SJ75-11 | 3005                            | 1240      | 1765      | 184     | 258            |
| SJ75-12 | 3131                            | 1240      | 1891      | 184     | 264            |
| SJ75-13 | 3387                            | 1370      | 2017      | 184     | 302            |
| SJ75-14 | 3513                            | 1370      | 2143      | 184     | 308            |
| SJ75-15 | 3639                            | 1370      | 2269      | 184     | 314            |
| SJ75-16 | 3885                            | 1490      | 2395      | 192     | 333            |
| SJ75-17 | 4011                            | 1490      | 2521      | 192     | 339            |
| SJ75-18 | 4187                            | 1540      | 2647      | 192     | 355            |
| SJ75-19 | 4313                            | 1540      | 2773      | 192     | 361            |
| SJ75-20 | 4439                            | 1540      | 2899      | 192     | 367            |

Note: The size B is varied with the motors of different manufacturers.

## Performance curve

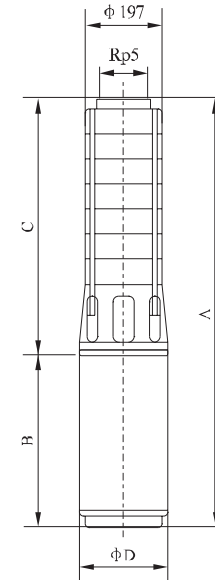
ISO9906 Annex A 2900rpm



## Performance table

| Model   | Driving motor |      | Q<br>(m³/h) | 40   | 50   | 60   | 70   | 80   | 90   | 95  | 100  | 110  | 120  |
|---------|---------------|------|-------------|------|------|------|------|------|------|-----|------|------|------|
|         | (kW)          | (hp) |             |      |      |      |      |      |      |     |      |      |      |
| SJ95-1  | 4             | 5.5  | 17.5        | 16.5 | 15.5 | 14   | 12.5 | 10.5 | 9.5  | 8   | 5    | —    | —    |
| SJ95-2  | 9.2           | 12.5 | 36          | 34   | 32   | 28.5 | 26   | 21.5 | 20   | 17  | 12   | 3.5  | 3.5  |
| SJ95-3  | 13            | 17.5 | 54          | 52   | 48.5 | 44.5 | 40   | 33   | 30   | 26  | 19   | 6    | 6    |
| SJ95-4  | 18.5          | 25   | 72          | 70   | 65   | 60   | 54   | 45   | 41   | 36  | 25.5 | 10.5 | 10.5 |
| SJ95-5  | 22            | 30   | 91          | 87   | 81.5 | 75   | 68   | 57   | 51.5 | 46  | 32   | 14.5 | 14.5 |
| SJ95-6  | 25            | 34   | 110         | 104  | 98   | 90   | 81   | 69   | 62   | 55  | 38   | 18   | 18   |
| SJ95-7  | 30            | 40   | 129         | 122  | 115  | 105  | 94   | 81   | 73   | 65  | 45   | 22   | 22   |
| SJ95-8  | 37            | 50   | 148         | 141  | 131  | 120  | 108  | 93   | 84   | 75  | 52   | 26   | 26   |
| SJ95-9  | 37            | 50   | 167         | 159  | 148  | 135  | 122  | 105  | 95   | 85  | 59   | 31   | 31   |
| SJ95-10 | 45            | 60   | 186         | 177  | 165  | 151  | 136  | 117  | 106  | 95  | 67   | 36   | 36   |
| SJ95-11 | 45            | 60   | 205         | 195  | 182  | 167  | 150  | 130  | 117  | 105 | 75   | 42   | 42   |
| SJ95-12 | 55            | 75   | 224         | 213  | 199  | 183  | 165  | 143  | 129  | 116 | 84   | 48   | 48   |
| SJ95-13 | 55            | 75   | 243         | 231  | 216  | 199  | 180  | 156  | 141  | 127 | 93   | 53   | 53   |
| SJ95-14 | 55            | 75   | 262         | 249  | 233  | 215  | 195  | 169  | 153  | 138 | 102  | 59   | 59   |
| SJ95-15 | 63            | 85   | 281         | 268  | 250  | 231  | 210  | 183  | 166  | 149 | 111  | 64   | 64   |
| SJ95-16 | 63            | 85   | 301         | 286  | 267  | 247  | 225  | 197  | 178  | 160 | 119  | 70   | 70   |
| SJ95-17 | 75            | 100  | 321         | 304  | 284  | 263  | 240  | 210  | 190  | 171 | 127  | 75   | 75   |
| SJ95-18 | 75            | 100  | 342         | 323  | 302  | 279  | 255  | 222  | 202  | 182 | 135  | 81   | 81   |

## Installation sketch



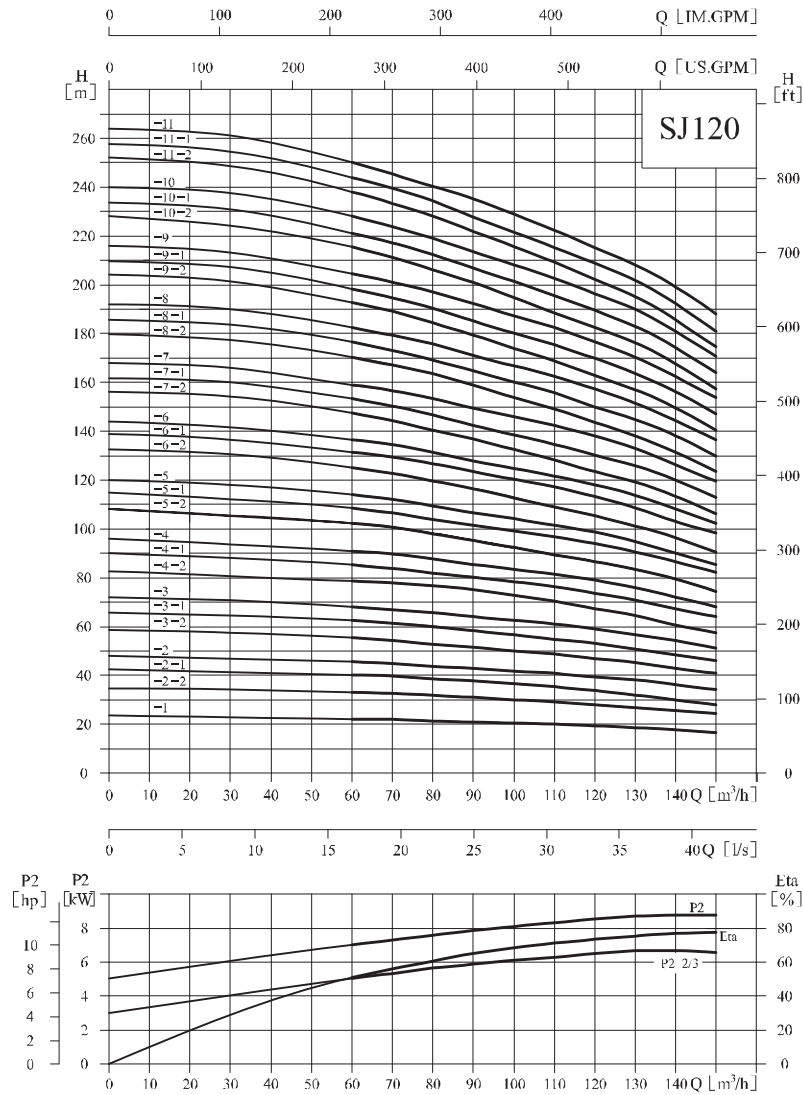
## Size and weight

| Model   | Size(mm)(Coupled to 6"/8" motor) |           |           |         | Weight<br>(kg) |
|---------|----------------------------------|-----------|-----------|---------|----------------|
|         | A                                | B         | C         | Φ D     |                |
| SJ95-1  | 1270                             | 782       | 488       | 143     | 68             |
| SJ95-2  | 1511/1431                        | 897/800   | 614/631   | 143/184 | 84/115         |
| SJ95-3  | 1720/1617                        | 980/860   | 740/757   | 143/184 | 103/131        |
| SJ95-4  | 1956/1773                        | 1090/890  | 866/883   | 143/184 | 116/142        |
| SJ95-5  | 2152/1949                        | 1160/940  | 992/1009  | 143/184 | 127/160        |
| SJ95-6  | 2360/2125                        | 1242/990  | 1118/1135 | 143/184 | 142/176        |
| SJ95-7  | 2626/2311                        | 1382/1050 | 1244/1261 | 143/184 | 155/193        |
| SJ95-8  | 2940/2537                        | 1570/1150 | 1370/1387 | 143/184 | 176/220        |
| SJ95-9  | 3066/2663                        | 1570/1150 | 1496/1513 | 143/184 | 182/226        |
| SJ95-10 | 2879                             | 1240      | 1639      | 184     | 252            |
| SJ95-11 | 3005                             | 1240      | 1765      | 184     | 258            |
| SJ95-12 | 3261                             | 1370      | 1891      | 184     | 297            |
| SJ95-13 | 3387                             | 1370      | 2017      | 184     | 302            |
| SJ95-14 | 3513                             | 1370      | 2143      | 184     | 308            |
| SJ95-15 | 3759                             | 1490      | 2269      | 192     | 327            |
| SJ95-16 | 3885                             | 1490      | 2395      | 192     | 333            |
| SJ95-17 | 4061                             | 1540      | 2521      | 192     | 349            |
| SJ95-18 | 4187                             | 1540      | 2647      | 192     | 355            |

Note: The size B is varied with the motors of different manufacturers.

## Performance curve

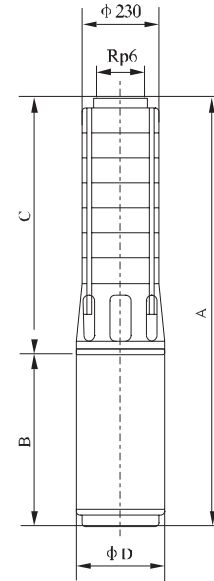
## ISO9906 Annex A 2900rpm



## Performance table

| Model     | Driving motor (kW) (hp) | Q (m³/h) | 60    | 70    | 80    | 90    | 100   | 110   | 120   | 130   | 140  | 150  | Model      | Driving motor (kW) (hp) | Q (m³/h) | 60    | 70    | 80    | 90    | 100   | 110   | 120   | 130   | 140   | 150   |
|-----------|-------------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------------|-------------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SJ120-1   | 11 15                   |          | 22.5  | 22    | 21.5  | 21    | 20.5  | 20    | 19    | 18.5  | 17.5 | 16.5 | SJ120-7-2  | 63 85                   |          | 147   | 144   | 140.5 | 136.5 | 132.5 | 128   | 123   | 119   | 113   | 106   |
| SJ120-2-2 | 15 20                   |          | 33.5  | 33    | 32    | 30    | 29    | 28.5  | 27.5  | 26.5  | 24.5 | 24   | SJ120-7-1  | 63 85                   |          | 153   | 150   | 146.5 | 142.5 | 138.5 | 135   | 130   | 125.5 | 120   | 112.5 |
| SJ120-2-1 | 18.5 25                 |          | 40.5  | 40    | 38.5  | 37.5  | 36    | 35.5  | 33.5  | 32.5  | 29.5 | 28   | SJ120-7    | 75 100                  |          | 159   | 156.5 | 153   | 149   | 145   | 142   | 138   | 133   | 126   | 119.5 |
| SJ120-2   | 22 30                   |          | 45.5  | 44.5  | 43.5  | 42.5  | 41.5  | 40.5  | 39    | 38    | 36   | 34   | SJ120-8-2  | 75 100                  |          | 170   | 167   | 164.5 | 158   | 153   | 148.5 | 143   | 138   | 131.5 | 123   |
| SJ120-3-2 | 25 34                   |          | 55    | 54.5  | 52.5  | 51    | 49.5  | 48.5  | 46.5  | 45    | 42.5 | 40.5 | SJ120-8-1  | 75 100                  |          | 175.5 | 173   | 168.5 | 163.5 | 159   | 155.5 | 150   | 145   | 138   | 129.5 |
| SJ120-3-1 | 30 40                   |          | 62.5  | 61.5  | 60    | 58    | 56    | 54    | 53.5  | 51    | 48.5 | 46   | SJ120-8    | 75 100                  |          | 181.5 | 179.5 | 175   | 170.5 | 166   | 163   | 157.5 | 152.5 | 144   | 136.5 |
| SJ120-3   | 30 40                   |          | 68    | 67    | 66.5  | 64    | 62    | 61    | 59    | 57    | 54   | 51   | SJ120-9-2  | 90 120                  |          | 192.5 | 189   | 184   | 179.5 | 174   | 168.5 | 162.5 | 157   | 149.5 | 140   |
| SJ120-4-2 | 37 50                   |          | 78.5  | 77    | 75    | 72.5  | 70.5  | 69    | 66.5  | 65    | 60.5 | 57.5 | SJ120-9-1  | 90 120                  |          | 198   | 195   | 190.5 | 185   | 180   | 175.5 | 169.5 | 164   | 156   | 147   |
| SJ120-4-1 | 37 50                   |          | 85    | 84    | 82    | 79.5  | 77    | 76    | 73.5  | 71    | 67   | 64   | SJ120-9    | 90 120                  |          | 204   | 201.5 | 198   | 191.5 | 186.5 | 182.5 | 177.5 | 171.5 | 162   | 153.5 |
| SJ120-4   | 37 50                   |          | 90.5  | 89.5  | 87.5  | 85.5  | 83    | 81.5  | 78.5  | 76    | 72   | 68   | SJ120-10-2 | 90 120                  |          | 215.5 | 211   | 206   | 200.5 | 194.5 | 188.5 | 182.5 | 176.5 | 167.5 | 157.5 |
| SJ120-5-2 | 45 60                   |          | 102   | 100.5 | 97.5  | 95    | 91.5  | 90    | 86.5  | 84    | 79   | 74.5 | SJ120-10-1 | 90 120                  |          | 221   | 217   | 212   | 206.5 | 200.5 | 195.5 | 189.5 | 183   | 174   | 164   |
| SJ120-5-1 | 45 60                   |          | 108.5 | 106.5 | 103.5 | 101   | 98.5  | 96.5  | 94    | 91    | 86.5 | 82   | SJ120-10   | 110 150                 |          | 227   | 223.5 | 219   | 213   | 207.5 | 202.5 | 197   | 190.5 | 180   | 170.5 |
| SJ120-5   | 55 75                   |          | 113.5 | 112   | 109.5 | 106.5 | 103.5 | 101.5 | 98.5  | 95    | 90   | 85   | SJ120-11-2 | 110 150                 |          | 238   | 233   | 228   | 222   | 215.5 | 208   | 202   | 195.5 | 185.5 | 174.5 |
| SJ120-6-2 | 55 75                   |          | 125   | 122.5 | 119   | 116.5 | 112.5 | 109   | 104.5 | 101.5 | 96   | 90.5 | SJ120-11-1 | 110 150                 |          | 243.5 | 239.5 | 234   | 227.5 | 221.5 | 215   | 209   | 202   | 192   | 181   |
| SJ120-6-1 | 55 75                   |          | 131   | 129.5 | 126.5 | 123.5 | 120   | 117   | 113   | 109   | 103  | 98   | SJ120-11   | 110 150                 |          | 250   | 245.5 | 241   | 234.5 | 228   | 222.5 | 216.5 | 209.5 | 198.5 | 187.5 |
| SJ120-6   | 63 85                   |          | 136   | 134.5 | 131   | 127.5 | 124.5 | 121.5 | 118   | 114   | 108  | 102  |            |                         |          |       |       |       |       |       |       |       |       |       |       |

## Installation sketch



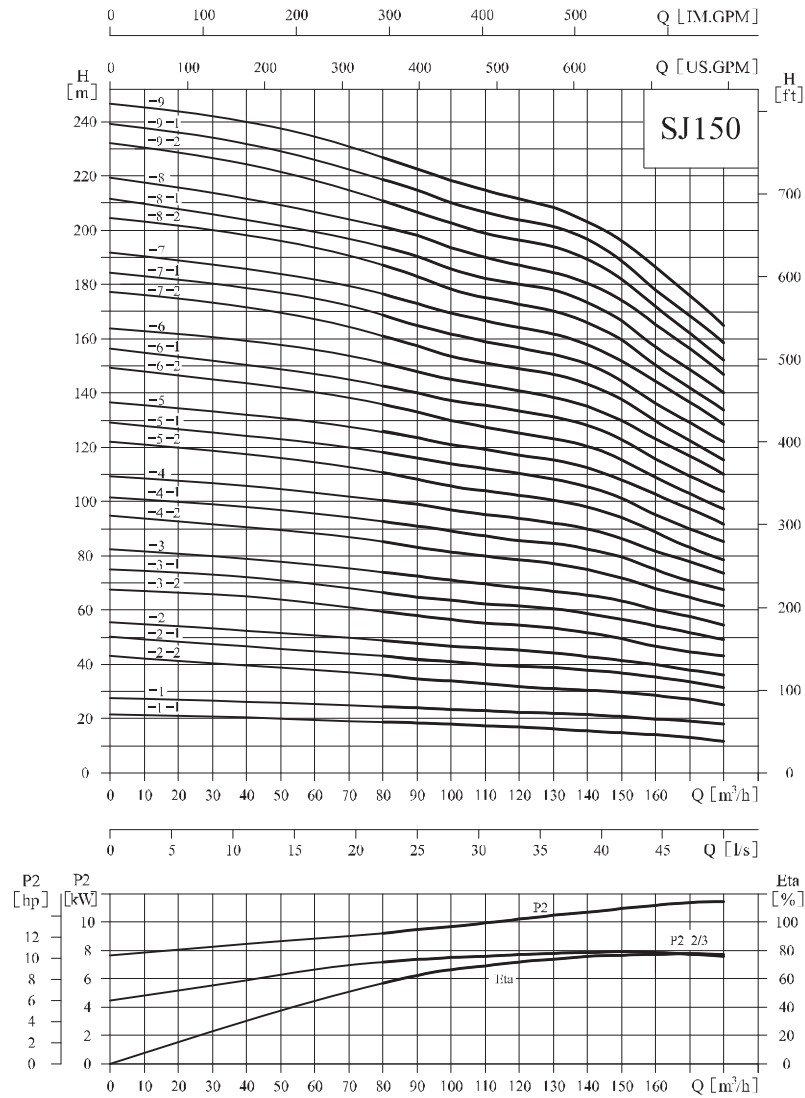
## Size and weight

| Model      | Size(mm)(Coupled to 6/8/10' motor) |                |                |             | Weight (kg) |
|------------|------------------------------------|----------------|----------------|-------------|-------------|
|            | A                                  | B              | C              | φ D         |             |
| SJ120-1    | 1451/1380--                        | 920/820--      | 531/560--      | 144/184--   | 75/106--    |
| SJ120-2-2  | 1721/1580--                        | 1030/860--     | 691/720--      | 144/184--   | 92/120--    |
| SJ120-2-1  | 1781/1610--                        | 1090/890--     | 691/720--      | 144/184--   | 99/125--    |
| SJ120-2    | 1921/1660--                        | 1230/940--     | 691/720--      | 144/184--   | 104/137--   |
| SJ120-3-2  | 2093/1870--                        | 1242/990--     | 851/880--      | 144/184--   | 121/155--   |
| SJ120-3-1  | 2233/1930/2002                     | 1382/1050/1122 | 851/880/880    | 144/184/236 | 128/166/226 |
| SJ120-3    | 2233/1930/2002                     | 1382/1050/1122 | 851/880/880    | 144/184/236 | 128/166/226 |
| SJ120-4-2  | 2581/2190/2202                     | 1570/1150/1162 | 1011/1040/1040 | 144/184/236 | 149/194/246 |
| SJ120-4-1  | 2581/2190/2202                     | 1570/1150/1162 | 1011/1040/1040 | 144/184/236 | 149/194/246 |
| SJ120-4    | 2581/2190/2202                     | 1570/1150/1162 | 1011/1040/1040 | 144/184/236 | 149/194/246 |
| SJ120-5-2  | --2440/2392                        | --1240/1192    | --1200/1200    | --184/236   | --222/264   |
| SJ120-5-1  | --2440/2392                        | --1240/1192    | --1200/1200    | --184/236   | --222/264   |
| SJ120-5    | --2570/2472                        | --1370/1272    | --1200/1200    | --184/236   | --255/291   |
| SJ120-6-2  | --2730/2632                        | --1370/1272    | --1360/1360    | --184/236   | --263/299   |
| SJ120-6-1  | --2730/2632                        | --1370/1272    | --1360/1360    | --184/236   | --263/299   |
| SJ120-6    | --2850/2692                        | --1490/1332    | --1360/1360    | --192/236   | --276/319   |
| SJ120-7-2  | --3010/2852                        | --1490/1332    | --1520/1520    | --192/236   | --284/327   |
| SJ120-7-1  | --3010/2852                        | --1490/1332    | --1520/1520    | --192/236   | --284/327   |
| SJ120-7    | --3060/2942                        | --1540/1422    | --1520/1520    | --192/236   | --294/357   |
| SJ120-8-2  | --3220/3102                        | --1540/1422    | --1680/1680    | --192/236   | --302/365   |
| SJ120-8-1  | --3220/3102                        | --1540/1422    | --1680/1680    | --192/236   | --302/365   |
| SJ120-8    | --3220/3102                        | --1540/1422    | --1680/1680    | --192/236   | --302/365   |
| SJ120-9-2  | --3484/3371                        | --1644/1531    | --1840/1840    | --192/236   | --328/410   |
| SJ120-9-1  | --3484/3371                        | --1644/1531    | --1840/1840    | --192/236   | --328/410   |
| SJ120-9    | --3484/3371                        | --1644/1531    | --1840/1840    | --192/236   | --328/410   |
| SJ120-10-2 | --3644/3531                        | --1644/1531    | --2000/2000    | --192/236   | --336/418   |
| SJ120-10-1 | --3644/3531                        | --1644/1531    | --2000/2000    | --192/236   | --336/418   |
| SJ120-10   | --3764/3641                        | --1764/1641    | --2000/2000    | --192/236   | --359/455   |
| SJ120-11-2 | --3924/3801                        | --1764/1641    | --2160/2160    | --192/236   | --367/463   |
| SJ120-11-1 | --3924/3801                        | --1764/1641    | --2160/2160    | --192/236   | --367/463   |
| SJ120-11   | --3924/3801                        | --1764/1641    | --2160/2160    | --192/236   | --367/463   |

Note: The size B is varied with the motors of different manufacturers.

## Performance curve

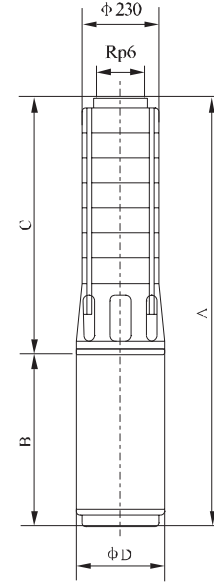
## ISO9906 Annex A 2900rpm



## Performance table

| Model     | Driving motor<br>(kW) | (hp) | Q<br>(m³/h) | 80    | 90    | 100   | 110   | 120   | 130   | 140   | 150   | 160   | 170   | 180   |
|-----------|-----------------------|------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SJ150-1-1 | 9.2                   | 12.5 | H (m)       | 18.5  | 18    | 17.5  | 17    | 16.5  | 16    | 15    | 14.5  | 13.5  | 13    | 11.5  |
| SJ150-1   | 13                    | 17.5 |             | 24    | 23.5  | 23    | 22.5  | 22    | 21.5  | 21    | 20    | 19.5  | 19    | 18    |
| SJ150-2-2 | 18.5                  | 25   |             | 35.5  | 34    | 32    | 31.5  | 31    | 29.5  | 29    | 28.5  | 28    | 27    | 25    |
| SJ150-2-1 | 22                    | 30   |             | 43    | 41.5  | 40    | 39    | 38.5  | 38    | 37.5  | 36    | 35.5  | 34    | 31    |
| SJ150-2   | 25                    | 34   |             | 48.5  | 47.5  | 46    | 45    | 44.5  | 44    | 42.5  | 41    | 39.5  | 38    | 36    |
| SJ150-3-2 | 30                    | 40   |             | 60    | 57    | 54.5  | 54    | 53.5  | 53    | 52.5  | 49.5  | 46.5  | 44.5  | 43    |
| SJ150-3-1 | 37                    | 50   |             | 66.5  | 64    | 62.5  | 61.5  | 60.5  | 60    | 59.5  | 56.5  | 54    | 51.5  | 49    |
| SJ150-3   | 37                    | 50   |             | 74.5  | 72.5  | 70.5  | 69.5  | 68    | 67.5  | 65.5  | 63.5  | 60    | 57.5  | 54.5  |
| SJ150-4-2 | 45                    | 60   |             | 85.5  | 83    | 80    | 79    | 77.5  | 77    | 76    | 73    | 66.5  | 63.5  | 61    |
| SJ150-4-1 | 45                    | 60   |             | 93    | 90    | 87.5  | 86.5  | 84.5  | 83.5  | 83    | 79.5  | 73.5  | 70.5  | 67    |
| SJ150-4   | 55                    | 75   |             | 100.5 | 98    | 96    | 94.5  | 93    | 92.5  | 89.5  | 86.5  | 80.5  | 77.5  | 73    |
| SJ150-5-2 | 55                    | 75   |             | 111.5 | 107   | 104   | 103   | 102   | 101   | 98    | 94    | 86.5  | 81.5  | 78.5  |
| SJ150-5-1 | 55                    | 75   |             | 118.5 | 114.5 | 112   | 110.5 | 108.5 | 107   | 105.5 | 101   | 94    | 89.5  | 85    |
| SJ150-5   | 63                    | 85   |             | 126   | 122.5 | 120   | 118   | 116   | 115   | 112.5 | 108.5 | 101.5 | 97    | 91.5  |
| SJ150-6-2 | 63                    | 85   |             | 137   | 131.5 | 128   | 126.5 | 123   | 122   | 120.5 | 115.5 | 107   | 101   | 97    |
| SJ150-6-1 | 75                    | 100  |             | 144   | 139   | 136   | 134   | 132   | 131.5 | 128   | 122.5 | 114.5 | 109   | 103.5 |
| SJ150-6   | 75                    | 100  |             | 151.5 | 147   | 144   | 141.5 | 139.5 | 138   | 135   | 130   | 122   | 116.5 | 110   |
| SJ150-7-2 | 75                    | 100  |             | 162.5 | 156   | 152.5 | 150.5 | 146   | 145   | 143   | 138   | 128   | 121   | 115   |
| SJ150-7-1 | 90                    | 120  |             | 169.5 | 163.5 | 160.5 | 158   | 155   | 153   | 150.5 | 145   | 135.5 | 129   | 121.5 |
| SJ150-7   | 90                    | 120  |             | 177   | 171.5 | 168.5 | 165.5 | 163.5 | 162.5 | 157.5 | 152.5 | 143   | 136.5 | 128   |
| SJ150-8-2 | 90                    | 120  |             | 188   | 180.5 | 177   | 174.5 | 172   | 171   | 165.5 | 160.5 | 149   | 140.5 | 133.5 |
| SJ150-8-1 | 110                   | 150  |             | 195   | 188   | 185   | 182   | 180   | 178.5 | 173   | 168.5 | 156.5 | 148.5 | 140   |
| SJ150-8   | 110                   | 150  |             | 202.5 | 196   | 193   | 189.5 | 187   | 186   | 180   | 175   | 164   | 156   | 146.5 |
| SJ150-9-2 | 110                   | 150  |             | 213.5 | 205   | 201.5 | 198   | 196   | 194   | 188.5 | 182.5 | 170.5 | 160   | 152   |
| SJ150-9-1 | 110                   | 150  |             | 220.5 | 212.5 | 209.5 | 205.5 | 203   | 201.5 | 196   | 189.5 | 178   | 168   | 158.5 |
| SJ150-9   | 110                   | 150  |             | 228   | 220.5 | 217.5 | 213   | 210   | 209   | 203   | 197   | 185.5 | 175.5 | 165   |

## Installation sketch



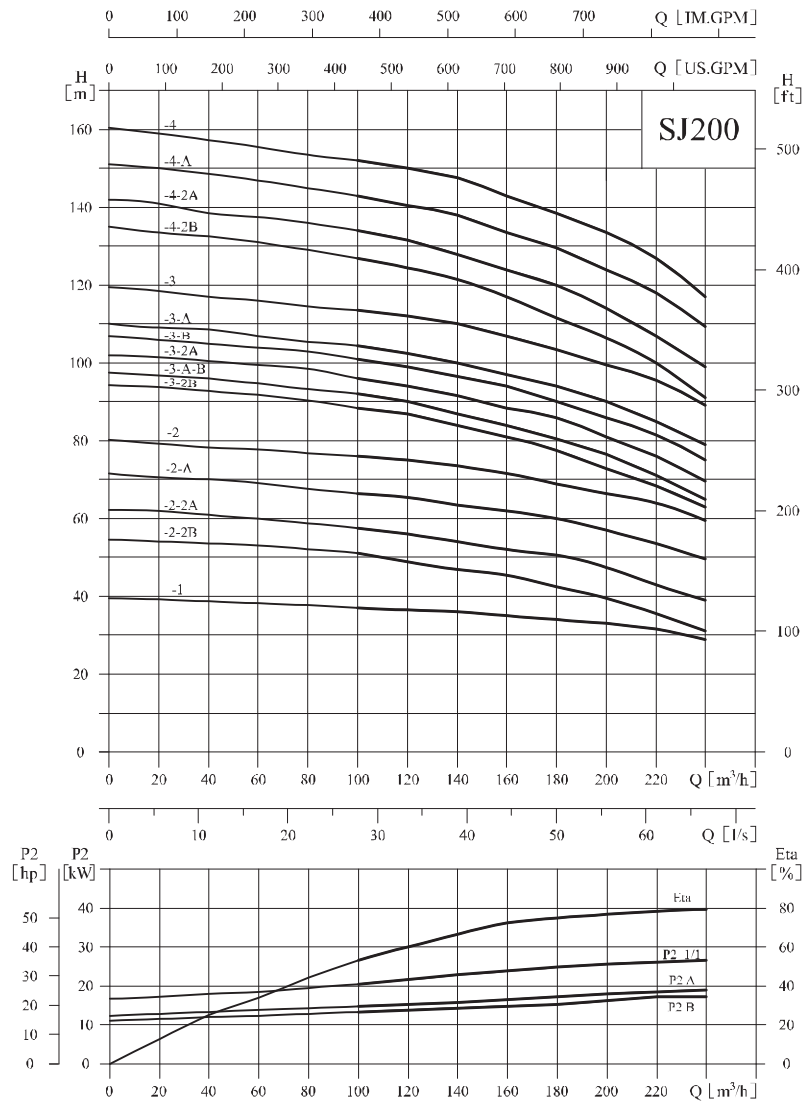
## Size and weight

| Model     | Size(mm)(Coupled to 6/8/10' motor) |                |              |             | Weight<br>(kg) |
|-----------|------------------------------------|----------------|--------------|-------------|----------------|
|           | A                                  | B              | C            | φ D         |                |
| SJ150-1-1 | 1428/1360/--                       | 897/800/--     | 531/560/--   | 144/184/--  | 71/102/--      |
| SJ150-1   | 1561/1420/--                       | 1030/860/--    | 531/560/--   | 144/184/--  | 84/112/--      |
| SJ150-2-2 | 1781/1610/--                       | 1090/890/--    | 691/720/--   | 144/184/--  | 99/125/--      |
| SJ150-2-1 | 1851/1660/--                       | 1160/940/--    | 691/720/--   | 144/184/--  | 104/137 --     |
| SJ150-2   | 1933/1710/--                       | 1242/990/--    | 691/720/--   | 144/184/--  | 113/147/--     |
| SJ150-3-2 | 2233/1930/2002                     | 1382/1050/1122 | 851/880/880  | 144/184/236 | 128/166/226    |
| SJ150-3-1 | 2421/2030/2042                     | 1570/1150/1162 | 851/880/880  | 144/184/236 | 142/187/239    |
| SJ150-3   | 2421/2030/2042                     | 1570/1150/1162 | 851/880/880  | 144/184/236 | 142/187/239    |
| SJ150-4-2 | --/2280/2232                       | --/1240/1192   | --/1040/1040 | --/184/236  | --/214/256     |
| SJ150-4-1 | --/2280/2232                       | --/1240/1192   | --/1040/1040 | --/184/236  | --/214/256     |
| SJ150-4   | --/2410/2312                       | --/1370/1272   | --/1040/1040 | --/184/236  | --/247/283     |
| SJ150-5-2 | --/2570/2472                       | --/1370/1272   | --/1200/1200 | --/184/236  | --/255/291     |
| SJ150-5-1 | --/2570/2472                       | --/1370/1272   | --/1200/1200 | --/184/236  | --/255/291     |
| SJ150-5   | --/2690/2532                       | --/1490/1332   | --/1200/1200 | --/192/236  | --/268/311     |
| SJ150-6-2 | --/2850/2692                       | --/1490/1332   | --/1360/1360 | --/192/236  | --/276/319     |
| SJ150-6-1 | --/2900/2782                       | --/1540/1422   | --/1360/1360 | --/192/236  | --/286/349     |
| SJ150-6   | --/2900/2782                       | --/1540/1422   | --/1360/1360 | --/192/236  | --/286/349     |
| SJ150-7-2 | --/3060/2942                       | --/1540/1422   | --/1520/1520 | --/192/236  | --/294/357     |
| SJ150-7-1 | --/3164/3051                       | --/1644/1531   | --/1520/1520 | --/192/236  | --/312/394     |
| SJ150-7   | --/3164/3051                       | --/1644/1531   | --/1520/1520 | --/192/236  | --/312/394     |
| SJ150-8-2 | --/3324/3211                       | --/1644/1531   | --/1680/1680 | --/192/236  | --/320/402     |
| SJ150-8-1 | --/3444/3321                       | --/1764/1641   | --/1680/1680 | --/192/236  | --/343/439     |
| SJ150-8   | --/3444/3321                       | --/1764/1641   | --/1680/1680 | --/192/236  | --/343/439     |
| SJ150-9-2 | --/3604/3481                       | --/1764/1641   | --/1840/1840 | --/192/236  | --/351/447     |
| SJ150-9-1 | --/3604/3481                       | --/1764/1641   | --/1840/1840 | --/192/236  | --/351/447     |
| SJ150-9   | --/3604/3481                       | --/1764/1641   | --/1840/1840 | --/192/236  | --/351/447     |

Note: The size B is varied with the motors of different manufacturers.

## Performance curve

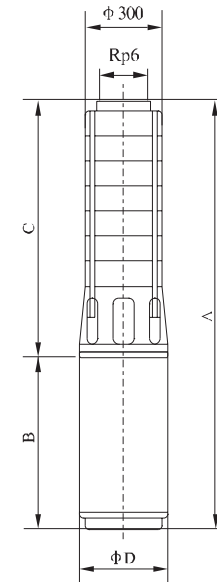
## ISO9906 Annex A 2900rpm



## Performance table

| Model       | Driving motor |      | Q<br>(m³/h) | 100   | 120   | 140   | 160   | 180   | 200   | 220  | 240   |
|-------------|---------------|------|-------------|-------|-------|-------|-------|-------|-------|------|-------|
|             | (kW)          | (hp) |             |       |       |       |       |       |       |      |       |
| SJ200-1     | 30            | 40   |             | 37    | 36.5  | 36    | 35    | 34    | 33    | 31.5 | 29    |
| SJ200-2-2B  | 37            | 50   |             | 51    | 49    | 47    | 45.5  | 42.5  | 39.5  | 35.5 | 31    |
| SJ200-2-2A  | 45            | 60   |             | 57.5  | 56    | 54    | 52    | 50.5  | 47.5  | 43   | 39    |
| SJ200-2-A   | 55            | 75   |             | 66.5  | 65.5  | 63.5  | 62    | 60    | 57    | 53.5 | 49.5  |
| SJ200-2     | 55            | 75   |             | 76    | 75    | 73.5  | 71.5  | 69    | 66.5  | 64   | 59.5  |
| SJ200-3-2B  | 75            | 100  |             | 88.5  | 87    | 84    | 81    | 78    | 72.5  | 68.5 | 63    |
| SJ200-3-A-B | 75            | 100  |             | 92    | 90    | 87    | 84    | 80.5  | 76.5  | 71   | 65    |
| SJ200-3-2A  | 75            | 100  |             | 96    | 94    | 91.5  | 88.5  | 86    | 81    | 76   | 69.5  |
| SJ200-3-B   | 75            | 100  |             | 101   | 99    | 96.5  | 94    | 90    | 86    | 81.5 | 109.5 |
| SJ200-3-A   | 75            | 100  |             | 104.5 | 102.5 | 100   | 97    | 94    | 90    | 85   | 75    |
| SJ200-3     | 90            | 120  |             | 113.5 | 112   | 110   | 107   | 103.5 | 99.5  | 95.5 | 79    |
| SJ200-4-2B  | 90            | 120  |             | 127   | 124.5 | 121.5 | 117   | 111.5 | 106.5 | 100  | 89    |
| SJ200-4-2A  | 110           | 150  |             | 134   | 131.5 | 127.5 | 124   | 120   | 114   | 107  | 91    |
| SJ200-4-A   | 110           | 150  |             | 143   | 140.5 | 138   | 133.5 | 129.5 | 124   | 118  | 99    |
| SJ200-4     | 110           | 150  |             | 152   | 150   | 147.5 | 143   | 138.5 | 133.5 | 127  | 117   |

## Installation sketch



## Size and weight

| Model       | Size(mm)(Coupled to 10 motor) |      |      |          | Weight<br>(kg) |
|-------------|-------------------------------|------|------|----------|----------------|
|             | A                             | B    | C    | $\phi D$ |                |
| SJ200-1     | 1721                          | 1122 | 599  | 236      | 229            |
| SJ200-2-2B  | 1955                          | 1162 | 793  | 236      | 254            |
| SJ200-2-2A  | 1985                          | 1192 | 793  | 236      | 264            |
| SJ200-2-A   | 2065                          | 1272 | 793  | 236      | 291            |
| SJ200-2     | 2065                          | 1272 | 793  | 236      | 291            |
| SJ200-3-2B  | 2409                          | 1422 | 987  | 236      | 353            |
| SJ200-3-A-B | 2409                          | 1422 | 987  | 236      | 353            |
| SJ200-3-2A  | 2409                          | 1422 | 987  | 236      | 353            |
| SJ200-3-B   | 2409                          | 1422 | 987  | 236      | 353            |
| SJ200-3-A   | 2409                          | 1422 | 987  | 236      | 353            |
| SJ200-3     | 2519                          | 1532 | 987  | 236      | 390            |
| SJ200-4-2B  | 2713                          | 1532 | 1181 | 236      | 401            |
| SJ200-4-2A  | 2823                          | 1642 | 1181 | 236      | 438            |
| SJ200-4-A   | 2823                          | 1642 | 1181 | 236      | 438            |
| SJ200-4     | 2823                          | 1642 | 1181 | 236      | 438            |

Note: The size B is varied with the motors of different manufacturers.