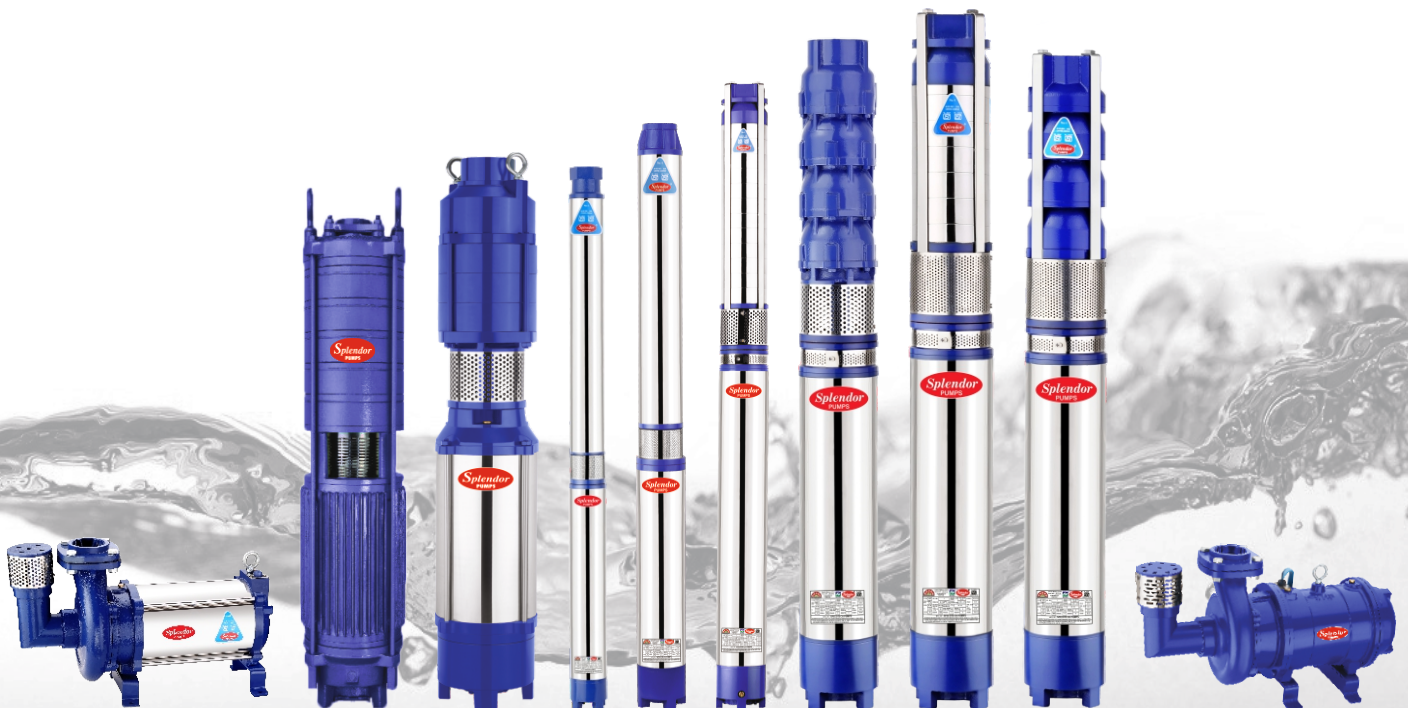


# Splendor<sup>®</sup> PUMPS

AN ISO 9001 : 2015 COMPANY

PRICE LIST WITH PERFORMANCE

01<sup>th</sup> October 2022



Splendor Pump LLP has been at the forefront and been the pace setters in the agricultural pump industry since its inception. We have a wide network of dealers across entire India and Multi Countries across the world to making it possible for customers to be able to make use of our products and services in every part.

Company started its operations in 1997 with 10 models in V4 and now its increase with 1700+ models in V3, V4, V5, V6, V7, V8, V9 Vertical and Horizontal open well submersible pump set, Now company is also producing / manufacturing Self priming, Pressure pump, Cable, HDPE pipe and Winding wire. Company having Five star rating certificate from Bureau of Energy Efficiency (BEE) managed by Govt. Of India and IS certificate from Bureau of Indian Standard (BIS), Company also has management Certificate of ISO 9001 : 2015.

The goal is to make us as approachable as possible and to respond to customers as quickly as possible. In pursuit of these goals, We have installed flexible manufacturing systems and a wide variety of configurations and design platforms that can be shared by a family of products.

We have widened our platform base to meet our customer's needs, manufacturing host of product variants. The products range has evolved from the goal that the farmer, no matter which part of the country he is in, has a suitable water pumping system available from Splendor Pump LLP to being not only the leaders in the agricultural sector, but also catering to the Domestic, Industrial and International markets.

#### **Vision:**

To become a pioneer in a field of modern pumping industry by offering world class product and service in the field of advance industry and management.

#### **Mission:**

To become a master manufacturer of innovative different range of products.

To deliver most competitive submersible pump model and their solutions.

To become a leading company in the global pumping industry.



| SR NO. | DISCRIPTION                          | MODEL | PAGE NO. |
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| 01     | V3 Submersible pump set              | 3SPT  | 02       |
| 02     | V3 Submersible pump set              | 3SPO  | 02       |
| 03     | V4 Submersible pump set              | 4SPL  | 04 TO 05 |
| 04     | V4 Submersible pump set              | 4SPE  | 07       |
| 05     | V5 Submersible pump set (NORYL)      | 5SPB  | 09       |
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| 07     | V6 Slim submersible pump set (SLM50) | 6SPS  | 12 TO 13 |
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| 14     | Horizontal open well pump set (V7SS) | 7SOW  | 27       |
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❖ MODEL : 3SPT / 3SPO



### SALIENT FEATURES

- ❖ Specially design for low voltage application.
- ❖ Ci parts of pump is coated with CED for better corrosion resistance, durability alignment and smoother running.
- ❖ Thrust bearing used with resins impregnated carbon v/s SS segment to ensure thrust load.
- ❖ Impeller & diffuser are made from glass filled noryl.
- ❖ Lower operating cost owing to higher efficiency.
- ❖ Dynamically balanced rotating parts to ensure minimum noise and vibration free operation.
- ❖ Superior protection with export quality oil-seal and sand guard
- ❖ Start easily at low voltage.
- ❖ Easy installation and low maintenance.

### TECHNICAL SPECIFICATIONS

- ❖ KW / HP RANGE : 0.37 / 0.50 TO 1.10 / 1.50
- ❖ VOLTAGE RANGE : 160 TO 220 VOLT ( SINGLE PHASE )
- ❖ DISCHARGE LPM : UP TO 100 LITRE
- ❖ HEAD : UP TO 100 METRE
- ❖ PUMP DIA : SPT - 73 MM & SPO - 68 MM
- ❖ MOTOR DIA : 73 MM

### MATERIAL OF CONSTRUCTION

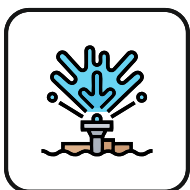
#### PUMP

- ❖ PUMP BODY : SS - J4
- ❖ PUMP SHAFT : SS - 410
- ❖ CASTING PART : CAST IRON FG 200 GRADE
- ❖ BUSH : GM LTB- 4 / NBR
- ❖ IMPELLER & DIFFUSER : GLASS FILLED NORYL
- ❖ SLEEVE AND COUPLING : SS - 410

#### MOTOR

- ❖ MOTOR BODY : SS - J4
- ❖ MOTOR SHAFT : SS - 410
- ❖ CASTING PART : CAST IRON FG 200 GRADE
- ❖ BUSH : CARBON / GM LTB - 4
- ❖ THRUST BEARING : CARBON V/S SS
- ❖ STAMPING : SILICON STEEL
- ❖ ROTOR : COPPER / ALU. PRESSURE DIE - CAST
- ❖ WINDING : MULTI LAYER PVC INSULATED WIRE

### APPLICATIONS



AGRICULTURE



DOMESTIC



INDUSTRY



HOSPITAL



GARDEN

❖ V3 SUBMERSIBLE PUMP SET SUITABLE FOR 3" (80 MM) AND ABOVE DIA BOREWELL | DIFFUSER & INPELLER - NORYL

| 15 FEET HEAD PER STAGE |      |     |       | DUTY POINT : 3 METRE |     |      |      | OUTLET : 1" (25 MM) |      |      |    |
|------------------------|------|-----|-------|----------------------|-----|------|------|---------------------|------|------|----|
| MODEL                  | HP   | STG | PHASE | LPM                  | 0   | 10   | 20   | 25                  | 30   | 40   | 50 |
|                        |      |     |       | m <sup>3</sup> /h    | 0   | 0.60 | 1.20 | 1.50                | 1.80 | 2.40 | 3  |
| 3SPT/002/10            | 0.50 | 10  | 1     | HEAD IN METRE        | 45  | 40   | 35   | 30                  | 25   | 20   | 10 |
| 3SPT/002/14            | 0.75 | 14  | 1     |                      | 63  | 56   | 49   | 42                  | 35   | 28   | 14 |
| 3SPT/002/18            | 1.00 | 18  | 1     |                      | 81  | 72   | 63   | 54                  | 45   | 36   | 18 |
| 3SPT/002/24            | 1.50 | 24  | 1     |                      | 108 | 96   | 84   | 72                  | 60   | 48   | 24 |

| 15 FEET HEAD PER STAGE |      |     |       | DUTY POINT : 3 METRE |    |     |     | OUTLET : 1" (25 MM) |     |    |     |
|------------------------|------|-----|-------|----------------------|----|-----|-----|---------------------|-----|----|-----|
| MODEL                  | HP   | STG | PHASE | LPM                  | 0  | 20  | 30  | 35                  | 40  | 50 | 60  |
|                        |      |     |       | m <sup>3</sup> /h    | 0  | 1.2 | 1.8 | 2.1                 | 2.4 | 3  | 3.6 |
| 3SPT/004/8             | 0.50 | 8   | 1     | HEAD IN METRE        | 36 | 32  | 28  | 24                  | 20  | 16 | 8   |
| 3SPT/004/12            | 0.75 | 12  | 1     |                      | 54 | 48  | 42  | 36                  | 30  | 24 | 12  |
| 3SPT/004/15            | 1.00 | 15  | 1     |                      | 68 | 60  | 53  | 45                  | 38  | 30 | 15  |
| 3SPT/004/20            | 1.50 | 20  | 1     |                      | 90 | 80  | 70  | 60                  | 50  | 40 | 20  |

| 12 FEET HEAD PER STAGE |      |     |       | DUTY POINT : 2.5 METRE |   |     |     | OUTLET : 1.25" (32 MM) |    |     |     |
|------------------------|------|-----|-------|------------------------|---|-----|-----|------------------------|----|-----|-----|
| MODEL                  | HP   | STG | PHASE | LPM                    | 0 | 20  | 35  | 40                     | 50 | 55  | 65  |
|                        |      |     |       | m <sup>3</sup> /h      | 0 | 1.2 | 2.1 | 2.4                    | 3  | 3.3 | 3.9 |
| 3SPO/005/14            | 0.75 | 14  | 1     | HEAD IN METRE          | - | 49  | 42  | 35                     | 28 | 21  | 14  |
| 3SPO/005/18            | 1.00 | 18  | 1     |                        | - | 63  | 54  | 45                     | 36 | 27  | 18  |
| 3SPO/005/24            | 1.50 | 24  | 1     |                        | - | 84  | 72  | 60                     | 48 | 36  | 24  |

| 12 FEET HEAD PER STAGE |      |     |       | DUTY POINT : 2.5 METRE |   |     |     | OUTLET : 1.25" (32 MM) |    |     |     |
|------------------------|------|-----|-------|------------------------|---|-----|-----|------------------------|----|-----|-----|
| MODEL                  | HP   | STG | PHASE | LPM                    | 0 | 20  | 40  | 45                     | 50 | 65  | 80  |
|                        |      |     |       | m <sup>3</sup> /h      | 0 | 1.2 | 2.4 | 2.7                    | 3  | 3.9 | 4.8 |
| 3SPO/007/10            | 0.50 | 10  | 1     | HEAD IN METRE          | - | 35  | 30  | 25                     | 20 | 15  | 10  |
| 3SPO/007/12            | 0.75 | 12  | 1     |                        | - | 42  | 36  | 30                     | 24 | 18  | 12  |
| 3SPO/007/16            | 1.00 | 16  | 1     |                        | - | 56  | 48  | 40                     | 32 | 24  | 16  |
| 3SPO/007/20            | 1.50 | 20  | 1     |                        | - | 70  | 60  | 50                     | 40 | 30  | 20  |

| 12 FEET HEAD PER STAGE |      |     |       | DUTY POINT : 2.5 METRE |   |     |     | OUTLET : 1.5" (40 MM) |     |     |     |
|------------------------|------|-----|-------|------------------------|---|-----|-----|-----------------------|-----|-----|-----|
| MODEL                  | HP   | STG | PHASE | LPM                    | 0 | 25  | 45  | 50                    | 60  | 80  | 100 |
|                        |      |     |       | m <sup>3</sup> /h      | 0 | 1.5 | 2.7 | 3.0                   | 3.6 | 4.8 | 6.0 |
| 3SPO/010/8             | 0.50 | 8   | 1     | HEAD IN METRE          | - | 28  | 24  | 20                    | 16  | 12  | 8   |
| 3SPO/010/10            | 0.75 | 10  | 1     |                        | - | 35  | 30  | 25                    | 20  | 15  | 10  |
| 3SPO/010/12            | 1.00 | 12  | 1     |                        | - | 42  | 36  | 30                    | 24  | 18  | 12  |
| 3SPO/010/15            | 1.50 | 15  | 1     |                        | - | 53  | 45  | 38                    | 30  | 23  | 15  |



❖ MODEL : 4SPL



### SALIENT FEATURES

- ❖ Specially design for low voltage application.
- ❖ Rotor are grinding & burnished to give better surface finish Value which ensure long life.
- ❖ Thrust bearing used with resign impregnated carbon v/s SS Segment to ensure thrust load.
- ❖ Impellers & diffusers are made from glass filles noryl.
- ❖ Lower operating cost owing to higher efficiency.
- ❖ Rotors are dynamically balanced to minimize noise & vibration.
- ❖ Superior protection with export quality oil-seal and sand guard.
- ❖ Starts at low voltage.
- ❖ Easy installation and low maintenance.

### TECHNICAL SPECIFICATIONS

- ❖ KW / HP RANGE : 0.37 / 0.50 TO 5.50 / 7.50
- ❖ VOLTAGE RANGE : 160 TO 220 VOLT ( SINGLE PHASE )
- ❖ DISCHARGE LPM : UP TO 400 LITRE
- ❖ HEAD : UP TO 300 METRE
- ❖ PUMP DIA : 86 MM
- ❖ MOTOR DIA : 98 MM

### MATERIAL OF CONSTRUCTION

#### PUMP

- ❖ PUMP BODY : SS - J4
- ❖ PUMP SHAFT : SS - 410
- ❖ CASTING PART : CAST IRON FG 200 GRADE
- ❖ BUSH : GM LTB- 4 / NBR
- ❖ IMPELLER & DIFFUSER : GLASS FILLED NORYL
- ❖ SLEEVE AND COUPLING : SS - 410

#### MOTOR

- ❖ MOTOR BODY : SS - J4
- ❖ MOTOR SHAFT : SS - 410
- ❖ CASTING PART : CAST IRON FG 200 GRADE
- ❖ BUSH : CARBON / GM LTB - 4
- ❖ THRUST BEARING : CARBON V/S SS
- ❖ STAMPING : SILICON STEEL
- ❖ ROTOR : COPPER / ALU. PRESSURE DIE - CAST
- ❖ WINDING : MULTI LAYER PVC INSULATED WIRE

### APPLICATIONS



AGRICULTURE



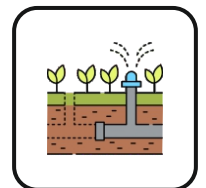
DOMESTIC



INDUSTRY



HOSPITAL



GARDEN

❖ V4 SUBMERSIBLE PUMP SET SUITABLE FOR 4" (100 MM) AND ABOVE DIA BOREWELL | DIFFUSER & IMPELLER - NORYL

| 18 FEET HEAD PER STAGE |      |     |       | DUTY POINT : 4 METRE |     |     | OUTLET : 1" (25 MM) |     |     |     |     |
|------------------------|------|-----|-------|----------------------|-----|-----|---------------------|-----|-----|-----|-----|
| MODEL                  | HP   | STG | PHASE | LPM                  | 10  | 24  | 30                  | 36  | 48  | 54  | 60  |
|                        |      |     |       | m <sup>3</sup> /h    | 0.6 | 1.4 | 1.8                 | 2.2 | 2.9 | 3.2 | 3.6 |
| 4SPL/001/10 ✓          | 0.50 | 10  | 1     | HEAD IN METRE        | 55  | 50  | 45                  | 40  | 30  | 20  | 10  |
| 4SPL/001/12 ✓          | 0.75 | 12  | 1     |                      | 66  | 60  | 54                  | 48  | 36  | 24  | 12  |
| 4SPL/001/18            | 1.00 | 18  | 1&3   |                      | 99  | 90  | 81                  | 72  | 54  | 36  | 18  |
| 4SPL/001/24 ✓          | 1.50 | 24  | 1&3   |                      | 132 | 120 | 108                 | 96  | 72  | 48  | 24  |
| 4SPL/001/26            | 2.00 | 26  | 1&3   |                      | 143 | 130 | 117                 | 104 | 78  | 52  | 26  |
| 4SPL/001/28            | 2.00 | 28  | 1&3   |                      | 154 | 140 | 126                 | 112 | 84  | 56  | 28  |

| 18 FEET HEAD PER STAGE |      |     |       | DUTY POINT : 4 METRE |     |     | OUTLET : 1" (25 MM) |     |     |     |     |
|------------------------|------|-----|-------|----------------------|-----|-----|---------------------|-----|-----|-----|-----|
| MODEL                  | HP   | STG | PHASE | LPM                  | 15  | 30  | 36                  | 42  | 54  | 66  | 80  |
|                        |      |     |       | m <sup>3</sup> /h    | 0.9 | 1.8 | 2.2                 | 2.5 | 3.2 | 4.0 | 4.8 |
| 4SPL/002/8 ✓           | 0.50 | 8   | 1     | HEAD IN METRE        | 44  | 40  | 36                  | 32  | 24  | 16  | 8   |
| 4SPL/002/10 ✓          | 0.75 | 10  | 1     |                      | 55  | 50  | 45                  | 40  | 30  | 20  | 10  |
| 4SPL/002/13 ✓          | 1.00 | 13  | 1&3   |                      | 72  | 65  | 59                  | 42  | 39  | 26  | 13  |
| 4SPL/002/15 ✓          | 1.00 | 15  | 1&3   |                      | 83  | 75  | 68                  | 60  | 45  | 30  | 15  |
| 4SPL/002/20 ✓          | 1.50 | 20  | 1&3   |                      | 110 | 100 | 90                  | 80  | 60  | 40  | 20  |
| 4SPL/002/24 ✓          | 2.00 | 24  | 1&3   |                      | 132 | 120 | 108                 | 96  | 72  | 48  | 24  |
| 4SPL/002/30 ✓          | 3.00 | 30  | 1&3   |                      | 165 | 150 | 135                 | 120 | 90  | 60  | 30  |

| 18 FEET HEAD PER STAGE |      |     |       | DUTY POINT : 4 METRE |     |     | OUTLET : 1.25" (32 MM) |     |     |     |     |
|------------------------|------|-----|-------|----------------------|-----|-----|------------------------|-----|-----|-----|-----|
| MODEL                  | HP   | STG | PHASE | LPM                  | 25  | 45  | 55                     | 66  | 80  | 90  | 110 |
|                        |      |     |       | m <sup>3</sup> /h    | 1.5 | 2.7 | 3.3                    | 4.0 | 4.8 | 5.4 | 6.6 |
| 4SPL/004/10 ✓          | 1.00 | 10  | 1&3   | HEAD IN METRE        | 55  | 50  | 45                     | 40  | 30  | 20  | 10  |
| 4SPL/004/15 ✓          | 1.50 | 15  | 1&3   |                      | 83  | 75  | 68                     | 60  | 45  | 30  | 15  |
| 4SPL/004/20 ✓          | 2.00 | 20  | 1&3   |                      | 110 | 100 | 90                     | 80  | 60  | 40  | 20  |
| 4SPL/004/25            | 3.00 | 25  | 1&3   |                      | 138 | 125 | 113                    | 100 | 75  | 50  | 25  |
| 4SPL/004/35            | 5.00 | 35  | 3     |                      | 193 | 175 | 158                    | 140 | 105 | 70  | 35  |
| 4SPL/004/45            | 6.50 | 45  | 3     |                      | 248 | 225 | 203                    | 180 | 135 | 90  | 45  |
| 4SPL/004/50            | 7.50 | 50  | 3     |                      | 275 | 250 | 225                    | 200 | 150 | 100 | 50  |

| 18 FEET HEAD PER STAGE |      |     |       | DUTY POINT : 4 METRE |     |     | OUTLET : 1.25" (32 MM) |     |     |     |     |
|------------------------|------|-----|-------|----------------------|-----|-----|------------------------|-----|-----|-----|-----|
| MODEL                  | HP   | STG | PHASE | LPM                  | 25  | 50  | 65                     | 75  | 110 | 130 | 150 |
|                        |      |     |       | m <sup>3</sup> /h    | 1.5 | 3.0 | 3.9                    | 4.5 | 6.6 | 7.8 | 9.0 |
| 4SPL/005/8 ✓           | 1.00 | 8   | 1&3   | HEAD IN METRE        | 44  | 40  | 36                     | 32  | 24  | 16  | 8   |
| 4SPL/005/12 ✓          | 1.50 | 12  | 1&3   |                      | 66  | 60  | 54                     | 48  | 36  | 24  | 12  |
| 4SPL/005/15 ✓          | 2.00 | 15  | 1&3   |                      | 83  | 75  | 68                     | 60  | 45  | 30  | 15  |
| 4SPL/005/20 ✓          | 3.00 | 20  | 1&3   |                      | 110 | 100 | 90                     | 80  | 60  | 40  | 20  |
| 4SPL/005/30            | 5.00 | 30  | 3     |                      | 165 | 150 | 135                    | 120 | 90  | 60  | 30  |
| 4SPL/005/40            | 6.50 | 40  | 3     |                      | 220 | 200 | 180                    | 160 | 120 | 80  | 40  |
| 4SPL/005/45            | 7.50 | 45  | 3     |                      | 248 | 225 | 203                    | 180 | 135 | 90  | 45  |

NOTE: ALL PUMPS WITH ✓ ARE ISI MARKED.





❖ V4 SUBMERSIBLE PUMP SET SUITABLE FOR 4" (100 MM) AND ABOVE DIA BOREWELL | DIFFUSER & IMPELLER - NORYL

| 18 FEET HEAD PER STAGE |      |     |       | DUTY POINT : 4 METRE |     |     |     | OUTLET : 1.5" (40 MM) |     |     |      |
|------------------------|------|-----|-------|----------------------|-----|-----|-----|-----------------------|-----|-----|------|
| MODEL                  | HP   | STG | PHASE | LPM                  | 25  | 55  | 70  | 90                    | 120 | 150 | 180  |
|                        |      |     |       | m <sup>3</sup> /h    | 1.5 | 3.3 | 4.2 | 5.4                   | 7.2 | 9.0 | 10.8 |
| 4SPL/007/10 ✓          | 1.50 | 10  | 1&3   | HEAD IN METRE        | 55  | 50  | 45  | 40                    | 30  | 20  | 10   |
| 4SPL/007/12 ✓          | 2.00 | 12  | 1&3   |                      | 66  | 60  | 54  | 48                    | 36  | 24  | 12   |
| 4SPL/007/15 ✓          | 3.00 | 15  | 1&3   |                      | 83  | 75  | 68  | 60                    | 45  | 30  | 15   |
| 4SPL/007/25 ✓          | 5.00 | 25  | 3     |                      | 138 | 125 | 113 | 100                   | 75  | 50  | 25   |
| 4SPL/007/35            | 6.50 | 35  | 3     |                      | 193 | 175 | 158 | 140                   | 105 | 70  | 35   |
| 4SPL/007/40            | 7.50 | 40  | 3     |                      | 220 | 200 | 180 | 160                   | 120 | 80  | 40   |

| 18 FEET HEAD PER STAGE |      |     |       | DUTY POINT : 4 METRE |     |     |     | OUTLET : 1.5" (40 MM) |     |     |      |
|------------------------|------|-----|-------|----------------------|-----|-----|-----|-----------------------|-----|-----|------|
| MODEL                  | HP   | STG | PHASE | LPM                  | 50  | 80  | 100 | 120                   | 140 | 165 | 200  |
|                        |      |     |       | m <sup>3</sup> /h    | 3.0 | 4.8 | 6.0 | 7.2                   | 8.4 | 9.9 | 12.0 |
| 4SPL/010/10 ✓          | 2.00 | 10  | 1&3   | HEAD IN METRE        | 55  | 50  | 45  | 40                    | 30  | 20  | 10   |
| 4SPL/010/12 ✓          | 3.00 | 12  | 1&3   |                      | 66  | 60  | 54  | 48                    | 36  | 24  | 12   |
| 4SPL/010/20 ✓          | 5.00 | 20  | 3     |                      | 110 | 100 | 90  | 80                    | 60  | 40  | 20   |
| 4SPL/010/30            | 6.50 | 30  | 3     |                      | 135 | 150 | 135 | 120                   | 90  | 60  | 30   |
| 4SPL/010/35            | 7.50 | 35  | 3     |                      | 193 | 175 | 158 | 140                   | 105 | 70  | 35   |

| 18 FEET HEAD PER STAGE |      |     |       | DUTY POINT : 3.5 METRE |     |     |     | OUTLET : 2" (50 MM) |     |      |      |
|------------------------|------|-----|-------|------------------------|-----|-----|-----|---------------------|-----|------|------|
| MODEL                  | HP   | STG | PHASE | LPM                    | 50  | 85  | 105 | 130                 | 150 | 180  | 210  |
|                        |      |     |       | m <sup>3</sup> /h      | 3.0 | 5.1 | 6.3 | 7.8                 | 9.0 | 10.8 | 12.6 |
| 4SPL/012/8 ✓           | 2.00 | 8   | 1&3   | HEAD IN METRE          | 40  | 36  | 32  | 28                  | 24  | 16   | 8    |
| 4SPL/012/10 ✓          | 3.00 | 10  | 1&3   |                        | 50  | 45  | 40  | 35                  | 30  | 20   | 10   |
| 4SPL/012/15            | 5.00 | 15  | 3     |                        | 75  | 68  | 60  | 53                  | 45  | 30   | 15   |

| 15 FEET HEAD PER STAGE |      |     |       | DUTY POINT : 3 METRE |     |     |     | OUTLET : 2" (50 MM) |      |      |      |
|------------------------|------|-----|-------|----------------------|-----|-----|-----|---------------------|------|------|------|
| MODEL                  | HP   | STG | PHASE | LPM                  | 0   | 100 | 150 | 180                 | 220  | 270  | 340  |
|                        |      |     |       | m <sup>3</sup> /h    | 0.0 | 6.0 | 9.0 | 10.8                | 13.2 | 16.2 | 20.4 |
| 4SPL/030/6 ✓           | 2.00 | 6   | 1&3   | HEAD IN METRE        | 0   | 24  | 21  | 18                  | 15   | 12   | 6    |
| 4SPL/030/8 ✓           | 3.00 | 8   | 1&3   |                      | 0   | 32  | 28  | 24                  | 20   | 16   | 8    |
| 4SPL/030/10            | 5.00 | 10  | 3     |                      | 0   | 40  | 35  | 30                  | 25   | 20   | 10   |
| 4SPL/030/12            | 5.00 | 12  | 3     |                      | 0   | 48  | 42  | 36                  | 30   | 24   | 12   |



NOTE: ALL PUMPS WITH ✓ ARE ISI MARKED.

❖ MODEL : 4SPE



### SALIENT FEATURES

- ❖ Superior material of construction.
- ❖ Compact and light weight model & cost- effective.
- ❖ Thrust bearing used with resins impregnated carbon v/s SS Segment to ensure thrust load.
- ❖ Specially design for low voltage application.
- ❖ Lower operating cost owing to higher efficiency.
- ❖ Rotors are dynamically balanced to minimize noise & vibration.
- ❖ Superior protection with export quality oil-seal and sand guard.
- ❖ Starts easily at low voltage.
- ❖ Easy installation and low maintenance.

### TECHNICAL SPECIFICATIONS

- ❖ KW / HP RANGE : 0.37 / 0.50 TO 2.20 / 3.00
- ❖ VOLTAGE RANGE : 160 TO 220 VOLT ( SINGLE PHASE ) & 380 TO 440 VOLT ( THREE PHASE )
- ❖ DISCHARGE LPM : UP TO 160 LITRE
- ❖ HEAD : UP TO 150 METRE
- ❖ PUMP DIA : 86 MM
- ❖ MOTOR DIA : 96 MM

### MATERIAL OF CONSTRUCTION

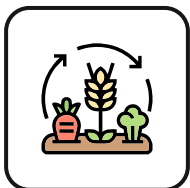
#### PUMP

- ❖ PUMP BODY : SS - J4
- ❖ PUMP SHAFT : SS - 410
- ❖ CASTING PART : CAST IRON FG 200 GRADE
- ❖ BUSH : GM LTB- 4 / NBR
- ❖ IMPELLER & DIFFUSER : GLASS FILLED NORYL
- ❖ SLEEVE AND COUPLING : SS - 410

#### MOTOR

- ❖ MOTOR BODY : SS - J4
- ❖ MOTOR SHAFT : SS - 410
- ❖ CASTING PART : CAST IRON FG 200 GRADE
- ❖ BUSH : CARBON / GM LTB - 4
- ❖ THRUST BEARING : CARBON V/S SS
- ❖ STAMPING : SILICON STEEL
- ❖ ROTOR : ALU. PRESSURE DIE - CAST
- ❖ WINDING : MULTI LAYER PVC INSULATED WIRE

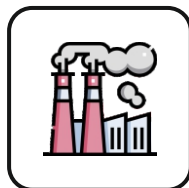
### APPLICATIONS



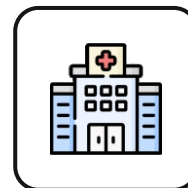
AGRICULTURE



DOMESTIC



INDUSTRY



HOSPITAL



GARDEN

❖ V4 SUBMERSIBLE PUMP SET SUITABLE FOR 4" (100 MM) AND ABOVE DIA BOREWELL | DIFFUSER & IMPELLER - NORYL

**18**

FEET HEAD PER STAGE

DUTY POINT : 4 METRE

OUTLET : 1" (25 MM)

| MODEL       | HP   | STG | PHASE | HEAD IN METRE | LPM               | 10  | 24  | 30  | 36  | 48  | 54  | 60  |
|-------------|------|-----|-------|---------------|-------------------|-----|-----|-----|-----|-----|-----|-----|
|             |      |     |       |               | m <sup>3</sup> /h | 0.6 | 1.4 | 1.8 | 2.2 | 2.9 | 3.2 | 3.6 |
| 4SPE/001/10 | 0.50 | 10  | 1     |               | 55                | 50  | 45  | 40  | 30  | 20  | 10  |     |
| 4SPE/001/12 | 0.75 | 12  | 1     |               | 66                | 60  | 54  | 48  | 36  | 24  | 12  |     |
| 4SPE/001/15 | 1.00 | 15  | 1&3   |               | 83                | 75  | 68  | 60  | 45  | 30  | 15  |     |
| 4SPE/001/20 | 1.50 | 20  | 1&3   |               | 110               | 100 | 90  | 80  | 60  | 40  | 20  |     |
| 4SPE/001/24 | 2.00 | 24  | 1&3   |               | 132               | 120 | 108 | 96  | 72  | 48  | 24  |     |

**18**

FEET HEAD PER STAGE

DUTY POINT : 4 METRE

OUTLET : 1" (25 MM)

| MODEL       | HP   | STG | PHASE | HEAD IN METRE | LPM               | 15  | 30  | 36  | 42  | 54  | 66  | 80  |
|-------------|------|-----|-------|---------------|-------------------|-----|-----|-----|-----|-----|-----|-----|
|             |      |     |       |               | m <sup>3</sup> /h | 0.9 | 1.8 | 2.2 | 2.5 | 3.2 | 4.0 | 4.8 |
| 4SPE/002/8  | 0.50 | 8   | 1     |               | 44                | 40  | 36  | 32  | 24  | 16  | 8   |     |
| 4SPE/002/10 | 0.75 | 10  | 1     |               | 55                | 50  | 45  | 40  | 30  | 20  | 10  |     |
| 4SPE/002/12 | 1.00 | 12  | 1&3   |               | 66                | 60  | 54  | 48  | 36  | 24  | 12  |     |
| 4SPE/002/15 | 1.50 | 15  | 1&3   |               | 83                | 75  | 68  | 60  | 45  | 30  | 15  |     |
| 4SPE/002/20 | 2.00 | 20  | 1&3   |               | 110               | 100 | 90  | 80  | 60  | 40  | 20  |     |
| 4SPE/002/25 | 3.00 | 25  | 1&3   |               | 138               | 125 | 113 | 100 | 75  | 50  | 25  |     |

**18**

FEET HEAD PER STAGE

DUTY POINT : 4 METRE

OUTLET : 1.25" (32 MM)

| MODEL       | HP   | STG | PHASE | HEAD IN METRE | LPM               | 25  | 45  | 55  | 66  | 80  | 90  | 110 |
|-------------|------|-----|-------|---------------|-------------------|-----|-----|-----|-----|-----|-----|-----|
|             |      |     |       |               | m <sup>3</sup> /h | 2.7 | 2.7 | 3.3 | 4.0 | 4.8 | 5.4 | 6.6 |
| 4SPE/004/10 | 1.00 | 10  | 1&3   |               | 55                | 50  | 45  | 40  | 30  | 20  | 10  |     |
| 4SPE/004/12 | 1.50 | 12  | 1&3   |               | 66                | 60  | 54  | 48  | 36  | 24  | 12  |     |
| 4SPE/004/15 | 2.00 | 15  | 1&3   |               | 83                | 75  | 68  | 60  | 45  | 30  | 15  |     |
| 4SPE/004/20 | 3.00 | 20  | 1&3   |               | 110               | 100 | 90  | 80  | 60  | 40  | 20  |     |

**18**

FEET HEAD PER STAGE

DUTY POINT : 4 METRE

OUTLET : 1.25" (32 MM)

| MODEL       | HP   | STG | PHASE | HEAD IN METRE | LPM               | 25  | 50  | 65  | 75  | 110 | 130 | 150 |
|-------------|------|-----|-------|---------------|-------------------|-----|-----|-----|-----|-----|-----|-----|
|             |      |     |       |               | m <sup>3</sup> /h | 1.5 | 3.0 | 3.9 | 4.5 | 6.6 | 7.8 | 9.0 |
| 4SPE/005/8  | 1.00 | 8   | 1&3   |               | 44                | 40  | 36  | 32  | 24  | 16  | 8   |     |
| 4SPE/005/10 | 1.50 | 10  | 1&3   |               | 55                | 50  | 45  | 40  | 30  | 20  | 10  |     |
| 4SPE/005/12 | 2.00 | 12  | 1&3   |               | 66                | 60  | 54  | 48  | 36  | 24  | 12  |     |
| 4SPE/005/15 | 3.00 | 15  | 1&3   |               | 83                | 75  | 68  | 60  | 45  | 30  | 15  |     |



❖ MODEL : 5SPB / 5SPR



### SALIENT FEATURES

- ❖ Motors designed for operating under wide voltage variation.
- ❖ Rotor are grinding & burnished to give better surface finish value which ensure long life.
- ❖ Thrust bearing used with resins impregnated carbon v/s SS segment to ensure thrust load.
- ❖ Sleeve and thrust bearing design for longer life.
- ❖ Lower operation cost owing to higher efficiency.
- ❖ Rotor and all rotating components are dynamically balanced For long bearing life and vibration free running.
- ❖ Superior protection with export quality oil-seal and sand guard.
- ❖ Starts easily at low voltage.
- ❖ Easy installation and low maintenance.

### TECHNICAL SPECIFICATIONS

- ❖ KW / HP RANGE : 2.20 / 3.00 TO 7.50 / 10.00
- ❖ VOLTAGE RANGE : 380 TO 440 VOLT ( THREE PHASE )
- ❖ DISCHARGE LPM : UP TO 600 LITRE
- ❖ HEAD : UP TO 350 METRE
- ❖ PUMP DIA : 123 MM
- ❖ MOTOR DIA : 120 MM

### MATERIAL OF CONSTRUCTION

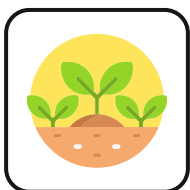
#### PUMP

- ❖ PUMP BODY : SS - J4 / SS - 304
- ❖ PUMP SHAFT : SS - 410
- ❖ CASTING PART : CAST IRON FG 200 GRADE
- ❖ BUSH : GM LTB- 4 / NBR
- ❖ DIFFUSER & IMPELLER : NORYL / SS - 304 & SS - 410
- ❖ SLEEVE AND COUPLING : SS - 410

#### MOTOR

- ❖ MOTOR BODY : SS - J4
- ❖ MOTOR SHAFT : SS - 420
- ❖ CASTING PART : CAST IRON FG 200 GRADE
- ❖ BUSH : CARBON / GM LTB - 4
- ❖ THRUST BEARING : CARBON V/S SS
- ❖ STAMPING : SILICON STEEL
- ❖ ROTOR : COPPER / ALU. PRESSURE DIE - CAST
- ❖ WINDING : MULTI LAYER PVC INSULATED WIRE

### APPLICATIONS



AGRICULTURE



DOMESTIC



INDUSTRY



WATER SUPPLY



GARDEN

❖ V5 SUBMERSIBLE PUMP SET SUITABLE FOR 5" (125 MM) AND ABOVE DIA BOREWELL | DIFFUSER & IMPELLER - NORYL

| 30 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 6 METRE |     |     |     | OUTLET : 1.5" (40 MM) |     |     |     |
|------------------------|-------|-----|-------|----------------------|-----|-----|-----|-----------------------|-----|-----|-----|
| MODEL                  | HP    | STG | PHASE | LPM                  | 0   | 50  | 60  | 70                    | 80  | 90  | 100 |
|                        |       |     |       | m <sup>3</sup> /h    | 0.0 | 3.0 | 3.6 | 4.2                   | 4.8 | 5.4 | 6.0 |
| 5SPB/004/25            | 5.00  | 25  | 3     | HEAD IN METRE        | 225 | 200 | 175 | 150                   | 125 | 100 | 75  |
| 5SPB/004/30            | 6.50  | 30  | 3     |                      | 270 | 240 | 210 | 180                   | 150 | 120 | 90  |
| 5SPB/004/35            | 7.50  | 35  | 3     |                      | 315 | 280 | 245 | 210                   | 175 | 140 | 105 |
| 5SPB/004/40            | 10.00 | 40  | 3     |                      | 360 | 320 | 280 | 240                   | 200 | 160 | 120 |

| 30 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 6 METRE |     |     |     | OUTLET : 1.5" (40 MM) |     |     |     |
|------------------------|-------|-----|-------|----------------------|-----|-----|-----|-----------------------|-----|-----|-----|
| MODEL                  | HP    | STG | PHASE | LPM                  | 0   | 60  | 70  | 85                    | 100 | 115 | 130 |
|                        |       |     |       | m <sup>3</sup> /h    | 0.0 | 3.6 | 4.2 | 5.1                   | 6.0 | 6.9 | 7.8 |
| 5SPB/005/20            | 5.00  | 20  | 3     | HEAD IN METRE        | 180 | 160 | 140 | 120                   | 100 | 80  | 60  |
| 5SPB/005/25            | 6.50  | 25  | 3     |                      | 225 | 200 | 175 | 150                   | 125 | 100 | 75  |
| 5SPB/005/30            | 7.50  | 30  | 3     |                      | 270 | 240 | 210 | 180                   | 150 | 120 | 90  |
| 5SPB/005/35            | 10.00 | 35  | 3     |                      | 315 | 280 | 245 | 210                   | 175 | 140 | 105 |

| 30 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 6 METRE |     |     |     | OUTLET : 1.5" (40 MM) |     |     |     |
|------------------------|-------|-----|-------|----------------------|-----|-----|-----|-----------------------|-----|-----|-----|
| MODEL                  | HP    | STG | PHASE | LPM                  | 0   | 65  | 80  | 100                   | 120 | 135 | 150 |
|                        |       |     |       | m <sup>3</sup> /h    | 0.0 | 3.9 | 4.8 | 6.0                   | 7.2 | 8.1 | 9.0 |
| 5SPB/007/17            | 5.00  | 17  | 3     | HEAD IN METRE        | 153 | 136 | 119 | 102                   | 85  | 68  | 51  |
| 5SPB/007/21            | 6.50  | 21  | 3     |                      | 189 | 168 | 147 | 126                   | 105 | 84  | 63  |
| 5SPB/007/25            | 7.50  | 25  | 3     |                      | 225 | 200 | 175 | 150                   | 125 | 100 | 75  |
| 5SPB/007/32            | 10.00 | 32  | 3     |                      | 288 | 256 | 224 | 192                   | 160 | 128 | 96  |

| 30 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 6 METRE |     |     |     | OUTLET : 1.5" (40 MM) |      |      |      |
|------------------------|-------|-----|-------|----------------------|-----|-----|-----|-----------------------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                  | 0   | 70  | 90  | 150                   | 170  | 185  | 200  |
|                        |       |     |       | m <sup>3</sup> /h    | 0.0 | 4.2 | 5.4 | 9.0                   | 10.2 | 11.1 | 12.0 |
| 5SPB/010/13            | 5.00  | 13  | 3     | HEAD IN METRE        | 117 | 104 | 91  | 78                    | 65   | 52   | 39   |
| 5SPB/010/16            | 6.50  | 16  | 3     |                      | 144 | 128 | 112 | 96                    | 80   | 64   | 48   |
| 5SPB/010/20            | 7.50  | 20  | 3     |                      | 180 | 160 | 140 | 120                   | 100  | 80   | 60   |
| 5SPB/010/25            | 10.00 | 25  | 3     |                      | 225 | 200 | 175 | 150                   | 125  | 100  | 75   |



# V5 SUBMERSIBLE PUMP SET ( SSK40 )



AN ISO 9001 : 2015 COMPANY

- ❖ V5 SUBMERSIBLE PUMP SET SUITABLE FOR 5" (125 MM) AND ABOVE DIA BOREWELL
- ❖ BOWL - SS 304 INVESTMENT CASTING | IMPELLER - SS 410 CASTING

| 40 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 9 METRE |     |     | OUTLET : 2" (50 MM) |     |     |      |      |
|------------------------|-------|-----|-------|----------------------|-----|-----|---------------------|-----|-----|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                  | 25  | 65  | 85                  | 105 | 130 | 170  | 200  |
|                        |       |     |       | m <sup>3</sup> /h    | 1.5 | 3.9 | 5.1                 | 6.3 | 7.8 | 10.2 | 12.0 |
| 5SPR/030/15            | 5.00  | 15  | 3     | HEAD IN METRE        | 180 | 165 | 150                 | 135 | 120 | 90   | 45   |
| 5SPR/030/18            | 6.50  | 18  | 3     |                      | 216 | 198 | 180                 | 162 | 144 | 108  | 54   |
| 5SPR/030/22            | 7.50  | 22  | 3     |                      | 264 | 242 | 220                 | 198 | 176 | 132  | 66   |
| 5SPR/030/26            | 10.00 | 26  | 3     |                      | 312 | 286 | 260                 | 234 | 208 | 156  | 78   |

| 40 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 9 METRE |     |     | OUTLET : 2" (50 MM) |     |     |      |      |
|------------------------|-------|-----|-------|----------------------|-----|-----|---------------------|-----|-----|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                  | 40  | 75  | 95                  | 120 | 140 | 180  | 220  |
|                        |       |     |       | m <sup>3</sup> /h    | 2.4 | 4.5 | 5.7                 | 7.2 | 8.4 | 10.8 | 13.2 |
| 5SPR/040/12            | 5.00  | 12  | 3     | HEAD IN METRE        | 144 | 132 | 120                 | 108 | 96  | 72   | 36   |
| 5SPR/040/15            | 6.50  | 15  | 3     |                      | 180 | 165 | 150                 | 135 | 120 | 90   | 45   |
| 5SPR/040/19            | 7.50  | 19  | 3     |                      | 228 | 209 | 190                 | 171 | 152 | 114  | 57   |
| 5SPR/040/23            | 10.00 | 23  | 3     |                      | 276 | 253 | 230                 | 207 | 184 | 138  | 69   |

| 40 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 9 METRE |     |     | OUTLET : 2" (50 MM) |     |     |      |      |
|------------------------|-------|-----|-------|----------------------|-----|-----|---------------------|-----|-----|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                  | 50  | 80  | 105                 | 135 | 160 | 190  | 230  |
|                        |       |     |       | m <sup>3</sup> /h    | 3.0 | 4.8 | 6.3                 | 8.1 | 9.6 | 11.4 | 13.8 |
| 5SPR/050/10            | 5.00  | 10  | 3     | HEAD IN METRE        | 120 | 110 | 100                 | 90  | 80  | 60   | 30   |
| 5SPR/050/12            | 6.50  | 12  | 3     |                      | 144 | 132 | 120                 | 108 | 96  | 72   | 36   |
| 5SPR/050/15            | 7.50  | 15  | 3     |                      | 180 | 165 | 150                 | 135 | 120 | 90   | 45   |
| 5SPR/050/20            | 10.00 | 20  | 3     |                      | 240 | 220 | 200                 | 180 | 160 | 120  | 60   |

| 40 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 9 METRE |     |     | OUTLET : 2" (50 MM) |     |      |      |      |
|------------------------|-------|-----|-------|----------------------|-----|-----|---------------------|-----|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                  | 60  | 90  | 115                 | 145 | 175  | 205  | 250  |
|                        |       |     |       | m <sup>3</sup> /h    | 3.6 | 5.4 | 6.9                 | 8.7 | 10.5 | 12.3 | 15.0 |
| 5SPR/060/8             | 5.00  | 8   | 3     | HEAD IN METRE        | 96  | 88  | 80                  | 72  | 64   | 48   | 24   |
| 5SPR/060/10            | 6.50  | 10  | 3     |                      | 120 | 110 | 100                 | 90  | 80   | 60   | 30   |
| 5SPR/060/12            | 7.50  | 12  | 3     |                      | 144 | 132 | 120                 | 108 | 96   | 72   | 36   |
| 5SPR/060/16            | 10.00 | 16  | 3     |                      | 192 | 176 | 160                 | 144 | 128  | 96   | 48   |



❖ MODEL : 6SPS

### SALIENT FEATURES

- ❖ Designed for wide voltage operation.
- ❖ Rotor are grinding & burnished to give better surface finish value which ensure long life.
- ❖ Thrust bearing used with resins impregnated carbon v/s SS segment to ensure thrust load.
- ❖ Sleeves and thrust bearings designed for longer life.
- ❖ High operating efficiency & more durability and hygiene.
- ❖ Dynamically balanced rotating parts to ensure minimum vibration and longer life.
- ❖ Superior protection with export quality oil-seal and sand guard.
- ❖ SS - 304 grade investment casting diffuser & SS - 410 impeller in radial flow model.
- ❖ Starts easily at low voltage, easy installation and low maintenance.



### TECHNICAL SPECIFICATIONS

- ❖ KW / HP RANGE : 3.70 / 5.00 TO 11.00 / 15.00
- ❖ VOLTAGE RANGE : 380 TO 440 VOLT ( THREE PHASE )
- ❖ DISCHARGE LPM : UP TO 550 LITRE
- ❖ HEAD : UP TO 300 METRE
- ❖ PUMP DIA : 133 MM
- ❖ MOTOR DIA : 133 MM

### MATERIAL OF CONSTRUCTION

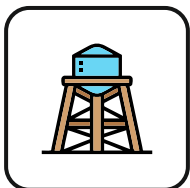
#### PUMP

- ❖ DIFFUSER : SS - 304 WITH GM BUSH
- ❖ IMPELLER : SS - 410
- ❖ CASTING PART : CAST IRON FG 200 GRADE
- ❖ BUSH : GM LTB- 4 / NBR
- ❖ PUMP SHAFT : SS - 410
- ❖ SLEEVE AND COUPLING : SS - 410

#### MOTOR

- ❖ MOTOR BODY : SS - J4
- ❖ MOTOR SHAFT : SS - 420
- ❖ CASTING PART : CAST IRON FG 200 GRADE
- ❖ BUSH : CARBON / GM LTB - 4
- ❖ THRUST BEARING : CARBON V/S SS
- ❖ STAMPING : SILICON STEEL
- ❖ ROTOR : COPPER / ALU. PRESSURE DIE - CAST
- ❖ WINDING : MULTI LAYER PVC INSULATED WIRE

### APPLICATIONS



OVER HEAD TANK



DOMESTIC



INDUSTRY



HOSPITAL



GARDEN

# V6 SLIM SUBMERSIBLE PUMP SET ( SLM50 )



AN ISO 9001 : 2015 COMPANY

- ⊛ V6 SLIM SUBMERSIBLE PUMP SET SUITABLE FOR 6" (150 MM) AND ABOVE EL DIA BOREWL
- ⊛ BOWL - SS 304 INVESTMENT CASTING | IMPELLER - SS 410 CASTING

| 50 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 12 METRE |     |     | OUTLET : 2" (50 MM) |     |     |     |      |
|------------------------|-------|-----|-------|-----------------------|-----|-----|---------------------|-----|-----|-----|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 50  | 80  | 100                 | 120 | 140 | 160 | 220  |
|                        |       |     |       | m <sup>3</sup> /h     | 3.0 | 4.8 | 6.0                 | 7.2 | 8.4 | 9.6 | 13.2 |
| 6SPS/060/8             | 5.00  | 8   | 3     | HEAD IN METRE         | 112 | 108 | 104                 | 96  | 88  | 72  | 24   |
| 6SPS/060/10            | 6.50  | 10  | 3     |                       | 140 | 135 | 130                 | 120 | 110 | 90  | 30   |
| 6SPS/060/12            | 7.50  | 12  | 3     |                       | 168 | 162 | 156                 | 144 | 132 | 108 | 36   |
| 6SPS/060/15            | 10.00 | 15  | 3     |                       | 210 | 203 | 195                 | 180 | 165 | 135 | 45   |
| 6SPS/060/18            | 12.50 | 18  | 3     |                       | 252 | 243 | 234                 | 216 | 198 | 162 | 54   |
| 6SPS/060/12            | 15.00 | 20  | 3     |                       | 280 | 270 | 260                 | 240 | 220 | 180 | 60   |

| 50 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 12 METRE |     |     | OUTLET : 2" (50 MM) |     |      |      |      |
|------------------------|-------|-----|-------|-----------------------|-----|-----|---------------------|-----|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 80  | 100 | 120                 | 150 | 180  | 210  | 260  |
|                        |       |     |       | m <sup>3</sup> /h     | 4.8 | 6.0 | 7.2                 | 9.0 | 10.8 | 12.6 | 15.6 |
| 6SPS/080/6             | 5.00  | 6   | 3     | HEAD IN METRE         | 84  | 81  | 78                  | 72  | 66   | 54   | 18   |
| 6SPS/080/8             | 6.50  | 8   | 3     |                       | 112 | 108 | 104                 | 96  | 88   | 72   | 24   |
| 6SPS/080/10            | 7.50  | 10  | 3     |                       | 140 | 135 | 130                 | 120 | 110  | 90   | 30   |
| 6SPS/080/12            | 10.00 | 12  | 3     |                       | 168 | 162 | 156                 | 144 | 132  | 108  | 36   |
| 6SPS/080/15            | 12.50 | 15  | 3     |                       | 210 | 203 | 195                 | 180 | 165  | 135  | 45   |
| 6SPS/080/18            | 15.00 | 18  | 3     |                       | 252 | 243 | 234                 | 216 | 198  | 162  | 54   |

| 50 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 12 METRE |     |     | OUTLET : 2" (50 MM) |      |      |      |      |
|------------------------|-------|-----|-------|-----------------------|-----|-----|---------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 100 | 120 | 160                 | 200  | 230  | 270  | 320  |
|                        |       |     |       | m <sup>3</sup> /h     | 6.0 | 7.2 | 9.6                 | 12.0 | 13.8 | 16.2 | 19.2 |
| 6SPS/100/5             | 5.00  | 5   | 3     | HEAD IN METRE         | 70  | 68  | 65                  | 60   | 55   | 45   | 15   |
| 6SPS/100/6             | 6.50  | 6   | 3     |                       | 84  | 81  | 78                  | 72   | 66   | 54   | 18   |
| 6SPS/100/8             | 7.50  | 8   | 3     |                       | 112 | 108 | 104                 | 96   | 88   | 72   | 24   |
| 6SPS/100/10            | 10.00 | 10  | 3     |                       | 140 | 135 | 130                 | 120  | 110  | 90   | 30   |
| 6SPS/100/12            | 12.50 | 12  | 3     |                       | 168 | 162 | 156                 | 144  | 132  | 108  | 36   |
| 6SPS/100/15            | 15.00 | 15  | 3     |                       | 210 | 203 | 195                 | 180  | 165  | 135  | 45   |

| 50 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 12 METRE |     |      | OUTLET : 2" (50 MM) |      |      |      |      |
|------------------------|-------|-----|-------|-----------------------|-----|------|---------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 120 | 170  | 230                 | 280  | 310  | 360  | 430  |
|                        |       |     |       | m <sup>3</sup> /h     | 7.2 | 10.2 | 13.8                | 16.8 | 18.6 | 21.6 | 25.8 |
| 6SPS/125/4             | 5.00  | 4   | 3     | HEAD IN METRE         | 56  | 54   | 52                  | 48   | 44   | 36   | 12   |
| 6SPS/125/5             | 6.50  | 5   | 3     |                       | 70  | 68   | 65                  | 60   | 55   | 45   | 15   |
| 6SPS/125/6             | 7.50  | 6   | 3     |                       | 84  | 81   | 78                  | 72   | 66   | 54   | 18   |
| 6SPS/125/8             | 10.00 | 8   | 3     |                       | 112 | 108  | 104                 | 96   | 88   | 72   | 24   |
| 6SPS/125/10            | 12.50 | 10  | 3     |                       | 140 | 135  | 130                 | 120  | 110  | 90   | 30   |
| 6SPS/125/12            | 15.00 | 12  | 3     |                       | 168 | 162  | 156                 | 144  | 132  | 108  | 36   |





# V6 SLIM SUBMERSIBLE PUMP SET ( SLM50 )

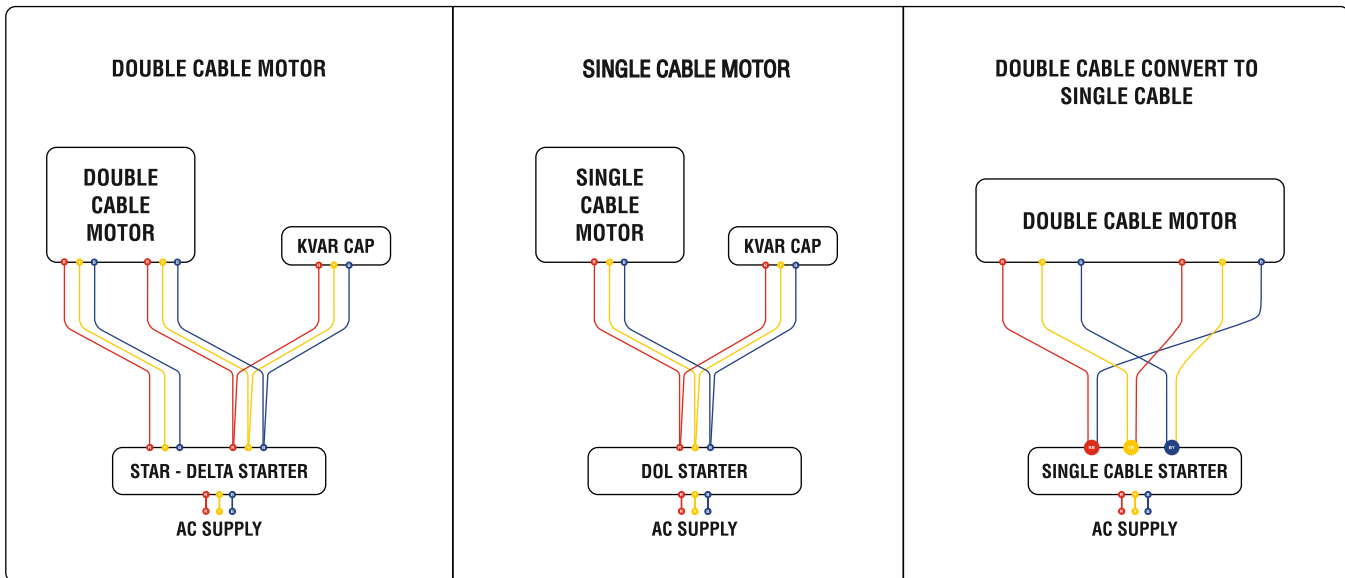


AN ISO 9001 : 2015 COMPANY

- ⊛ V6 SLIM SUBMERSIBLE PUMP SET SUITABLE FOR 6" (150 MM) AND ABOVE DIA BOREWELL
- ⊛ BOWL - SS 304 INVESTMENT CASTING | IMPELLER - SS 410 CASTING

| 50 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 12 METRE |     |      |      | OUTLET : 2" (50 MM) |      |      |      |
|------------------------|-------|-----|-------|-----------------------|-----|------|------|---------------------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 160 | 250  | 300  | 370                 | 420  | 460  | 530  |
|                        |       |     |       | m <sup>3</sup> /h     | 9.6 | 15.0 | 18.0 | 22.2                | 25.2 | 27.6 | 31.8 |
| 6SPS/150/3             | 5.00  | 3   | 3     | HEAD IN METRE         | 42  | 41   | 39   | 36                  | 33   | 27   | 9    |
| 6SPS/150/4             | 6.50  | 4   | 3     |                       | 56  | 54   | 52   | 48                  | 44   | 36   | 12   |
| 6SPS/150/5             | 7.50  | 5   | 3     |                       | 70  | 68   | 65   | 60                  | 55   | 45   | 15   |
| 6SPS/150/7             | 10.00 | 7   | 3     |                       | 98  | 95   | 91   | 84                  | 77   | 63   | 21   |
| 6SPS/150/8             | 12.50 | 8   | 3     |                       | 112 | 108  | 104  | 96                  | 88   | 72   | 24   |
| 6SPS/150/10            | 15.00 | 10  | 3     |                       | 140 | 135  | 130  | 120                 | 110  | 90   | 30   |

## CAPACITORS CONNECTION CHART



AS PER THE ELECTRICITY BOARD'S RULES, KAVR [CAPACITOR] ARE COMPULSORY TO THREE PHASE MOTOR WHICH REDUCES CURRENT OF MOTOR BY 15% TO 20% RESULTS IN SAVING OF ELECTRICITY.

## HOW TO UNDERSTAND THE OVERALL EFFICIENCY WITH STAR MARKS



OVERALL EFFICIENCY IS GREATER THEN 0 TO 5% MENTIONED IS IN IS 8034:2002



OVERALL EFFICIENCY IS GREATER THEN 5 TO 10% MENTIONED IS IN IS 8034:2002



OVERALL EFFICIENCY IS GREATER THEN 10 TO 15% MENTIONED IS IN IS 8034:2002



OVERALL EFFICIENCY IS GREATER THEN 15 TO 20% MENTIONED IS IN IS 8034:2002



OVERALL EFFICIENCY IS GREATER THEN 20% MENTIONED IS IN IS 8034:2002

| KW    | HP    | V3   | V4    | V5    | V6 SLIM | V6    | V9 VERTICAL |
|-------|-------|------|-------|-------|---------|-------|-------------|
| 0.37  | 0.50  | 7800 | 8600  |       |         |       |             |
| 0.55  | 0.75  | 8600 | 9500  |       |         |       |             |
| 0.75  | 1.00  | 9200 | 12200 |       |         |       |             |
| 1.10  | 1.50  | 9900 | 13900 |       |         |       |             |
| 1.50  | 2.00  |      | 15500 |       |         |       |             |
| 2.20  | 3.00  |      | 18700 |       |         | 24600 |             |
| 3.70  | 5.00  |      | 21000 | 26500 | 26700   | 27100 | 23900       |
| 4.50  | 6.50  |      | 24800 | 28600 | 29200   | 29600 | -           |
| 5.50  | 7.50  |      | 27700 | 30700 | 32100   | 32600 | 29700       |
| 7.50  | 10.00 |      |       | 32800 | 35100   | 35700 | 34100       |
| 9.30  | 12.50 |      |       |       | 38900   | 39700 | 38500       |
| 11.00 | 15.00 |      |       |       | 43100   | 44100 | 42800       |
| 13.00 | 17.50 |      |       |       |         | 48100 |             |
| 15.00 | 20.00 |      |       |       |         | 52500 |             |
| 16.50 | 22.00 |      |       |       |         | 57100 |             |
| 18.50 | 25.00 |      |       |       |         | 61300 |             |
| 22.00 | 30.00 |      |       |       |         | 70400 |             |

**RATED CURRENT**

| KW    | HP    | 230V | 415V |
|-------|-------|------|------|
| 0.37  | 0.50  | 5    |      |
| 0.55  | 0.75  | 6.5  |      |
| 0.75  | 1.00  | 7.5  | 3    |
| 1.10  | 1.50  | 10.5 | 4    |
| 1.50  | 2.00  | 13.8 | 5    |
| 2.20  | 3.00  | 19.8 | 6.5  |
| 3.75  | 5.00  | 22   | 10   |
| 4.50  | 6.50  | 26   | 12   |
| 5.50  | 7.50  | 32   | 14.5 |
| 7.50  | 10.00 | 37.5 | 19   |
| 9.30  | 12.50 |      | 25   |
| 11.00 | 15.00 |      | 29   |
| 13.00 | 17.50 |      | 34   |
| 15.00 | 20.00 |      | 39   |
| 16.50 | 22.00 |      | 45   |
| 18.75 | 25.00 |      | 50   |
| 22.50 | 30.00 |      | 58   |

**GENERAL SPECIFICATION**

**DISCHARGE**

1 GALLON (IMP) : 4.546 LTR.  
 1 GALLON (US) : 3.785 LTR.  
 1 c/m<sup>3</sup> : 1000 LTR.  
 1 C/FT<sup>3</sup> : 28.32 LTR.  
 1 m<sup>3</sup>/hr. : 16.66 LPM.  
 1 m<sup>3</sup>/S. : 6000 LPM.  
 1 LTR / S. : 60 LPM.

**PRESSURE**

1 ATMOSPHERE : 1.033 KG/CM<sup>2</sup>  
 1 ATMOSPHERE : 14.7 LB/INCH<sup>2</sup>  
 1 ATMOSPHERE : 10.33 MWC  
 1 LB/INCH<sup>2</sup> : 0.704 MWC  
 1 LB/INCH<sup>2</sup> : 2.31 FT WC

**HEAD**

1 MTR. : 3.28 FT.  
 1 FT : 25.4 MM.  
 1 FT : 12 INCH  
 1 FT : 30.48 CM

**POWER CONSUMPTION**

**FORMULA :**

$W : \sqrt{3} \times V \times I \times \cos \phi$

- W** : POWER IN WATTS OR KILO WATTS
- V** : PHASE TO PHASE VOLTAGE DIFF. (VOLTAGE)
- I** : AVERAGE CURRENT OF PHASE
- COS  $\phi$**  : MOTOR POWER FACTOR

**EXAMPLE OF 10 HP PUMP SET :**

**V** : 415  
**I** : 16.5  
**COS  $\phi$**  : 0.80 (80%)

**W** :  $\sqrt{3} \times V \times I \times \cos \phi$   
**V** :  $\sqrt{3} \times 415 \times 16.5 \times 0.80$   
**I** : 9477 WATTS  
**COS  $\phi$**  : 9.477 KILO WATTS

**APPROXIMATE :**  
 9.50 KW POWER  
 CONSUMPTION OF  
 10 H.P. PUMPSET

❖ MODEL : 6SPQ / 6SPW

## SALIENT FEATURES



- ❖ Optimized hydraulic design for efficient performance..
- ❖ Rotor are grinding & burnished to give better surface finish value which ensure long life.
- ❖ Specially designed thrust bearing to withstand high axial load.
- ❖ Sleeve and thrust bearing designed for longer life.
- ❖ High operating efficiency & more durability and hygiene.
- ❖ Dynamically balances rotating parts to ensure minimum vibration and longer life.
- ❖ SS - 410 impeller available in mixed flow series.
- ❖ Designed for wide voltage applications.
- ❖ Starts easily at low voltage, easy installation and low maintenance.

## TECHNICAL SPECIFICATIONS

- ❖ KW / HP RANGE : 3.70 / 5.00 TO 15.00 / 20.00
- ❖ VOLTAGE RANGE : 380 TO 440 VOLT ( THREE PHASE )
- ❖ DISCHARGE LPM : UP TO 1200 LITRE
- ❖ HEAD : UP TO 225 METRE
- ❖ PUMP DIA : 142 MM
- ❖ MOTOR DIA : 142 MM

## MATERIAL OF CONSTRUCTION

### PUMP

- ❖ DIFFUSER : CAST IRON FG 200 GRADE
- ❖ IMPELLER : NYLON / SS - 410
- ❖ CASTING PART : CAST IRON FG 200 GRADE
- ❖ BUSH : GM LTB- 4 / NBR
- ❖ PUMP SHAFT : SS - 410
- ❖ SLEEVE AND COUPLING : SS - 410

### MOTOR

- ❖ MOTOR BODY : SS - J4
- ❖ MOTOR SHAFT : SS - 420
- ❖ CASTING PART : CAST IRON FG 200 GRADE
- ❖ BUSH : CARBON / GM LTB - 4
- ❖ THRUST BEARING : CARBON V/S SS
- ❖ STAMPING : SILICON STEEL
- ❖ ROTOR : COPPER / ALU. PRESSURE DIE - CAST
- ❖ WINDING : MULTI LAYER PVC INSULATED WIRE

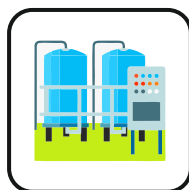
## APPLICATIONS



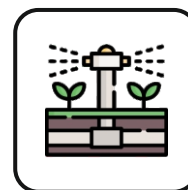
AGRICULTURE



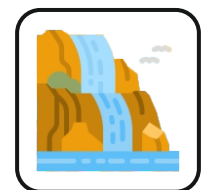
CANAL



INDUSTRY



SPRINKLER



WATER SUPPLY

# V6 SUBMERSIBLE PUMP SET ( CIQ30 )



AN ISO 9001 : 2015 COMPANY

- ❖ V6 SUBMERSIBLE PUMP SET SUITABLE FOR 6" (150 MM) AND ABOVE DIA BOREWELL
- ❖ BOWL - CAST IRON GRADED CASTING | IMPELLER - NYLON

| 30 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 7 METRE |     |      | OUTLET : 2.5" (65 MM) |      |      |      |      |
|------------------------|-------|-----|-------|----------------------|-----|------|-----------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                  | 150 | 230  | 300                   | 350  | 450  | 570  | 650  |
|                        |       |     |       | m <sup>3</sup> /h    | 9.0 | 13.8 | 18.0                  | 21.0 | 27.0 | 34.2 | 39.0 |
| 6SPQ/O60/3             | 3.00  | 3   | 3     | HEAD IN METRE        | 30  | 27   | 24                    | 21   | 18   | 15   | 9    |
| 6SPQ/O60/5             | 5.00  | 5   | 3     |                      | 50  | 45   | 40                    | 35   | 30   | 25   | 15   |
| 6SPQ/O60/6             | 6.50  | 6   | 3     |                      | 60  | 54   | 48                    | 42   | 36   | 30   | 18   |
| 6SPQ/O60/8             | 7.50  | 8   | 3     |                      | 80  | 72   | 64                    | 56   | 48   | 40   | 24   |
| 6SPQ/O60/10            | 10.00 | 10  | 3     |                      | 100 | 90   | 80                    | 70   | 60   | 50   | 30   |
| 6SPQ/O60/12            | 12.50 | 12  | 3     |                      | 120 | 108  | 96                    | 84   | 72   | 60   | 36   |
| 6SPQ/O60/15            | 15.00 | 15  | 3     |                      | 150 | 135  | 120                   | 105  | 90   | 75   | 45   |
| 6SPQ/O60/17            | 17.50 | 17  | 3     |                      | 170 | 153  | 136                   | 119  | 102  | 85   | 51   |
| 6SPQ/O60/20            | 20.00 | 20  | 3     |                      | 200 | 180  | 160                   | 140  | 120  | 100  | 60   |

| 30 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 7 METRE |      |      | OUTLET : 2.5" (65 MM) |      |      |      |      |
|------------------------|-------|-----|-------|----------------------|------|------|-----------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                  | 170  | 270  | 330                   | 400  | 500  | 630  | 700  |
|                        |       |     |       | m <sup>3</sup> /h    | 10.2 | 16.2 | 19.8                  | 24.0 | 30.0 | 37.8 | 42.0 |
| 6SPQ/O61/4 ✓           | 5.00  | 4   | 3     | HEAD IN METRE        | 40   | 36   | 32                    | 28   | 24   | 20   | 12   |
| 6SPQ/O61/5 ✓           | 6.50  | 5   | 3     |                      | 50   | 45   | 40                    | 35   | 30   | 25   | 15   |
| 6SPQ/O61/6 ✓           | 7.50  | 6   | 3     |                      | 60   | 54   | 48                    | 42   | 36   | 30   | 18   |
| 6SPQ/O61/8 ✓           | 10.00 | 8   | 3     |                      | 80   | 72   | 64                    | 56   | 48   | 40   | 24   |
| 6SPQ/O61/10            | 12.50 | 10  | 3     |                      | 100  | 90   | 80                    | 70   | 60   | 50   | 30   |
| 6SPQ/O61/12            | 15.00 | 12  | 3     |                      | 120  | 108  | 96                    | 84   | 72   | 60   | 36   |
| 6SPQ/O61/14            | 17.50 | 14  | 3     |                      | 140  | 126  | 112                   | 98   | 84   | 70   | 42   |
| 6SPQ/O61/16            | 20.00 | 16  | 3     |                      | 160  | 144  | 128                   | 112  | 96   | 80   | 48   |

| 30 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 7 METRE |      |      | OUTLET : 2.5" (65 MM) |      |      |      |      |
|------------------------|-------|-----|-------|----------------------|------|------|-----------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                  | 200  | 300  | 390                   | 500  | 600  | 730  | 800  |
|                        |       |     |       | m <sup>3</sup> /h    | 12.0 | 18.0 | 23.4                  | 30.0 | 36.0 | 43.8 | 48.0 |
| 6SPQ/O62/4 ✓           | 6.50  | 4   | 3     | HEAD IN METRE        | 40   | 36   | 32                    | 28   | 24   | 20   | 12   |
| 6SPQ/O62/5 ✓           | 7.50  | 5   | 3     |                      | 50   | 45   | 40                    | 35   | 30   | 25   | 15   |
| 6SPQ/O62/7 ✓           | 10.00 | 7   | 3     |                      | 70   | 63   | 56                    | 49   | 42   | 35   | 21   |
| 6SPQ/O62/8 ✓           | 12.50 | 8   | 3     |                      | 80   | 72   | 64                    | 56   | 48   | 40   | 24   |
| 6SPQ/O62/10            | 15.00 | 10  | 3     |                      | 100  | 90   | 80                    | 70   | 60   | 50   | 30   |
| 6SPQ/O62/12            | 17.50 | 12  | 3     |                      | 120  | 108  | 96                    | 84   | 72   | 60   | 36   |
| 6SPQ/O62/13            | 20.00 | 13  | 3     |                      | 130  | 117  | 104                   | 91   | 78   | 65   | 39   |



NOTE: ALL PUMPS WITH ✓ ARE ISI MARKED.

# V6 SUBMERSIBLE PUMP SET ( CIQ30 )



AN ISO 9001 : 2015 COMPANY

- ❖ V6 SUBMERSIBLE PUMP SET SUITABLE FOR 6" (150 MM) AND ABOVE DIA BOREWELL
- ❖ BOWL - CAST IRON GRADED CASTING | IMPELLER - NYLON

| 30 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 7 METRE |      |      | OUTLET : 3" (75 MM) |      |      |      |      |
|------------------------|-------|-----|-------|----------------------|------|------|---------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                  | 210  | 330  | 430                 | 600  | 700  | 830  | 900  |
|                        |       |     |       | m <sup>3</sup> /h    | 12.6 | 19.8 | 25.8                | 36.0 | 42.0 | 49.8 | 54.0 |
| 6SPQ/O63/3 ✓           | 5.00  | 3   | 3     | HEAD IN METRE        | 30   | 27   | 24                  | 21   | 18   | 15   | 9    |
| 6SPQ/O63/6 ✓           | 10.00 | 6   | 3     |                      | 60   | 54   | 48                  | 42   | 36   | 30   | 18   |
| 6SPQ/O63/7 ✓           | 12.50 | 7   | 3     |                      | 70   | 63   | 56                  | 49   | 42   | 35   | 21   |
| 6SPQ/O63/9             | 15.00 | 9   | 3     |                      | 90   | 81   | 72                  | 63   | 54   | 45   | 27   |
| 6SPQ/O63/10            | 17.50 | 10  | 3     |                      | 100  | 90   | 80                  | 70   | 60   | 50   | 30   |
| 6SPQ/O63/11            | 20.00 | 11  | 3     |                      | 110  | 99   | 88                  | 77   | 66   | 55   | 33   |

| 30 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 7 METRE |      |      | OUTLET : 3" (75 MM) |      |      |      |      |
|------------------------|-------|-----|-------|----------------------|------|------|---------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                  | 240  | 350  | 490                 | 650  | 800  | 930  | 1000 |
|                        |       |     |       | m <sup>3</sup> /h    | 14.4 | 21.0 | 29.4                | 39.0 | 48.0 | 55.8 | 60.0 |
| 6SPQ/O64/3             | 6.50  | 3   | 3     | HEAD IN METRE        | 30   | 27   | 24                  | 21   | 18   | 15   | 9    |
| 6SPQ/O64/4             | 7.50  | 4   | 3     |                      | 40   | 36   | 32                  | 28   | 24   | 20   | 12   |
| 6SPQ/O64/5             | 10.00 | 5   | 3     |                      | 50   | 45   | 40                  | 35   | 30   | 25   | 15   |
| 6SPQ/O64/6             | 12.50 | 6   | 3     |                      | 60   | 54   | 48                  | 42   | 36   | 30   | 18   |
| 6SPQ/O64/7             | 15.00 | 7   | 3     |                      | 70   | 63   | 56                  | 49   | 42   | 35   | 21   |
| 6SPQ/O64/9             | 17.50 | 9   | 3     |                      | 90   | 81   | 72                  | 63   | 54   | 45   | 27   |
| 6SPQ/O64/10            | 20.00 | 10  | 3     |                      | 100  | 90   | 80                  | 70   | 60   | 50   | 30   |

| 30 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 7 METRE |      |      | OUTLET : 3" (75 MM) |      |      |      |      |
|------------------------|-------|-----|-------|----------------------|------|------|---------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                  | 260  | 380  | 530                 | 700  | 860  | 980  | 1100 |
|                        |       |     |       | m <sup>3</sup> /h    | 15.6 | 22.8 | 31.8                | 42.0 | 51.6 | 58.8 | 66.6 |
| 6SPQ/O65/3             | 7.50  | 3   | 3     | HEAD IN METRE        | 30   | 27   | 24                  | 21   | 18   | 15   | 9    |
| 6SPQ/O65/4             | 10.00 | 4   | 3     |                      | 40   | 36   | 32                  | 28   | 24   | 20   | 12   |
| 6SPQ/O65/5             | 12.50 | 5   | 3     |                      | 50   | 45   | 40                  | 35   | 30   | 25   | 15   |
| 6SPQ/O65/6             | 15.00 | 6   | 3     |                      | 60   | 54   | 48                  | 42   | 36   | 30   | 18   |
| 6SPQ/O65/7             | 17.50 | 7   | 3     |                      | 70   | 63   | 56                  | 49   | 42   | 35   | 21   |
| 6SPQ/O65/8             | 20.00 | 8   | 3     |                      | 80   | 72   | 64                  | 56   | 48   | 40   | 24   |



NOTE: ALL PUMPS WITH ✓ ARE ISI MARKED.

# V6 SUBMERSIBLE PUMP SET ( CIQ50 )



AN ISO 9001 : 2015 COMPANY

- ❖ V6 SUBMERSIBLE PUMP SET SUITABLE FOR 6" (150 MM) AND ABOVE DIA BOREWELL
- ❖ BOWL - CAST IRON GRADED CASTING | IMPELLER - SS 410 CASTING

| 50 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 11 METRE |     |      | OUTLET : 3" (75 MM) |      |      |      |      |
|------------------------|-------|-----|-------|-----------------------|-----|------|---------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 100 | 200  | 300                 | 400  | 500  | 600  | 700  |
|                        |       |     |       | m <sup>3</sup> /h     | 6.0 | 12.0 | 18.0                | 24.0 | 30.0 | 36.0 | 42.0 |
| 6SPW/125/4             | 5.00  | 4   | 3     | HEAD IN METRE         | 56  | 52   | 48                  | 44   | 40   | 32   | 12   |
| 6SPW/125/5             | 6.50  | 5   | 3     |                       | 70  | 65   | 60                  | 55   | 50   | 40   | 15   |
| 6SPW/125/6             | 7.50  | 6   | 3     |                       | 84  | 78   | 72                  | 66   | 60   | 48   | 18   |
| 6SPW/125/8             | 10.00 | 8   | 3     |                       | 112 | 104  | 96                  | 88   | 80   | 64   | 24   |
| 6SPW/125/10            | 12.50 | 10  | 3     |                       | 140 | 130  | 120                 | 110  | 100  | 80   | 30   |
| 6SPW/125/12            | 15.00 | 12  | 3     |                       | 168 | 156  | 144                 | 132  | 120  | 96   | 36   |
| 6SPW/125/14            | 17.50 | 14  | 3     |                       | 196 | 182  | 168                 | 154  | 140  | 112  | 42   |
| 6SPW/125/16            | 20.00 | 16  | 3     |                       | 224 | 208  | 192                 | 176  | 160  | 128  | 48   |

| 50 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 11 METRE |     |      | OUTLET : 3" (75 MM) |      |      |      |      |
|------------------------|-------|-----|-------|-----------------------|-----|------|---------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 130 | 220  | 350                 | 450  | 550  | 670  | 800  |
|                        |       |     |       | m <sup>3</sup> /h     | 7.8 | 13.2 | 21.0                | 27.0 | 33.0 | 40.2 | 48.0 |
| 6SPW/150/3             | 5.00  | 3   | 3     | HEAD IN METRE         | 42  | 39   | 36                  | 33   | 30   | 24   | 9    |
| 6SPW/150/4             | 6.50  | 4   | 3     |                       | 56  | 52   | 48                  | 44   | 40   | 32   | 12   |
| 6SPW/150/5             | 7.50  | 5   | 3     |                       | 70  | 65   | 60                  | 55   | 50   | 40   | 15   |
| 6SPW/150/7             | 10.00 | 7   | 3     |                       | 98  | 91   | 84                  | 77   | 70   | 56   | 21   |
| 6SPW/150/8             | 12.50 | 8   | 3     |                       | 112 | 104  | 96                  | 88   | 80   | 64   | 24   |
| 6SPW/150/10            | 15.00 | 10  | 3     |                       | 140 | 130  | 120                 | 110  | 100  | 80   | 30   |
| 6SPW/150/12            | 17.50 | 12  | 3     |                       | 168 | 156  | 144                 | 132  | 120  | 96   | 36   |
| 6SPW/150/14            | 20.00 | 14  | 3     |                       | 196 | 182  | 168                 | 154  | 140  | 112  | 42   |

| 50 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 11 METRE |      |      | OUTLET : 3" (75 MM) |      |      |      |      |
|------------------------|-------|-----|-------|-----------------------|------|------|---------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 170  | 250  | 400                 | 500  | 600  | 750  | 900  |
|                        |       |     |       | m <sup>3</sup> /h     | 10.2 | 15.0 | 24.0                | 30.0 | 36.0 | 45.0 | 54.0 |
| 6SPW/200/4 ✓           | 7.50  | 4   | 3     | HEAD IN METRE         | 56   | 52   | 48                  | 44   | 40   | 32   | 12   |
| 6SPW/200/5 ✓           | 10.00 | 5   | 3     |                       | 70   | 65   | 60                  | 55   | 50   | 40   | 15   |
| 6SPW/200/6 ✓           | 12.50 | 6   | 3     |                       | 84   | 78   | 72                  | 66   | 60   | 48   | 18   |
| 6SPW/200/8 ✓           | 15.00 | 8   | 3     |                       | 112  | 104  | 96                  | 88   | 80   | 64   | 24   |
| 6SPW/200/9             | 17.50 | 9   | 3     |                       | 126  | 117  | 108                 | 99   | 90   | 72   | 27   |
| 6SPW/200/10            | 20.00 | 10  | 3     |                       | 140  | 130  | 120                 | 110  | 100  | 80   | 30   |

| 50 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 11 METRE |      |      | OUTLET : 3" (75 MM) |      |      |      |      |
|------------------------|-------|-----|-------|-----------------------|------|------|---------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 200  | 280  | 450                 | 550  | 650  | 830  | 1000 |
|                        |       |     |       | m <sup>3</sup> /h     | 12.0 | 16.8 | 27.0                | 33.0 | 39.0 | 49.8 | 60.0 |
| 6SPW/250/2             | 5.00  | 2   | 3     | HEAD IN METRE         | 28   | 26   | 24                  | 22   | 20   | 16   | 6    |
| 6SPW/250/3             | 7.50  | 3   | 3     |                       | 42   | 39   | 36                  | 33   | 30   | 24   | 9    |
| 6SPW/250/4             | 10.00 | 4   | 3     |                       | 56   | 52   | 48                  | 44   | 40   | 32   | 12   |
| 6SPW/250/5             | 12.50 | 5   | 3     |                       | 70   | 65   | 60                  | 55   | 50   | 40   | 15   |
| 6SPW/250/6             | 15.00 | 6   | 3     |                       | 84   | 78   | 72                  | 66   | 60   | 48   | 18   |
| 6SPW/250/7             | 17.50 | 7   | 3     |                       | 98   | 91   | 84                  | 77   | 70   | 56   | 21   |
| 6SPW/250/8             | 20.00 | 8   | 3     |                       | 112  | 104  | 96                  | 88   | 80   | 64   | 24   |

NOTE: ALL PUMPS WITH ✓ ARE ISI MARKED.



❖ MODEL : 6SPK / 6SPF / 6SPH

## SALIENT FEATURES

- ❖ SS - 304 grade investment casting diffuser & SS - 304 impeller in radial flow model.
- ❖ Motor design start at low voltage & to work under wide voltage fluctuation & easily rewindable.
- ❖ Rotor are grinding & burnished to give better surface finish value which ensure long life.
- ❖ Thrust bearing used with resins impregnated carbon v/s SS segment to ensure thrust load.
- ❖ Sleeve, thrust bearing and bush designed for high wear & tear resistance and longer life.
- ❖ Better efficiency and consistent performance ensures low operation cost.
- ❖ All rotating components and assemblies are dynamically balanced to ensure long bearing life and vibration free smooth operation.
- ❖ Superior protection with export quality oil-seal and sand guard.
- ❖ Fully SS pump set are available in SS - 304 grade.
- ❖ Starts easily at low voltage & easy installation.



## TECHNICAL SPECIFICATIONS

- ❖ KW / HP RANGE : 2.20 / 3.00 TO 22.50 / 30.00
- ❖ VOLTAGE RANGE : 380 TO 440 VOLT ( THREE PHASE )
- ❖ DISCHARGE LPM : UP TO 800 LITRE
- ❖ HEAD : UP TO 560 METRE
- ❖ PUMP DIA : 142 MM
- ❖ MOTOR DIA : 142 MM

## MATERIAL OF CONSTRUCTION

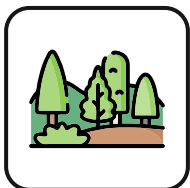
### PUMP

- ❖ DIFFUSER : SS - 304 with GM Bush
- ❖ IMPELLER : SS - 304 / SS - 410
- ❖ CASTING PART : Cast iron FG 200 Grade
- ❖ BUSH : GM LTB- 4 / NBR
- ❖ PUMP SHAFT : SS - 410
- ❖ SLEEVE AND COUPLING : SS - 410

### MOTOR

- ❖ MOTOR BODY : SS - J4
- ❖ MOTOR SHAFT : SS - 420
- ❖ CASTING PART : CAST IRON FG 200 GRADE
- ❖ BUSH : CARBON / GM LTB - 4
- ❖ THRUST BEARING : CARBON V/S SS
- ❖ STAMPING : SILICON STEEL
- ❖ ROTOR : COPPER / ALU. PRESSURE DIE - CAST
- ❖ WINDING : MULTI LAYER PVC INSULATED WIRE

## APPLICATIONS



AGRICULTURE



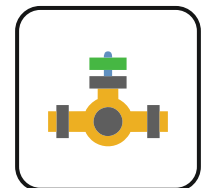
DOMESTIC



INDUSTRY



IRRIGATION



WATER SUPPLY

# V6 SUBMERSIBLE PUMP SET ( SSK60 )



AN ISO 9001 : 2015 COMPANY

- ❖ V6 SUBMERSIBLE PUMP SET SUITABLE FOR 6" (150 MM) AND ABOVE DIA BOREWELL
- ❖ BOWL - CI WITH SS JACKET (NYLON GUIDWEN) | IMPELLER - SS 410 CASTING

| 60 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |      |      |      | OUTLET : 2" (50 MM) |      |       |       |
|------------------------|-------|-----|-------|-----------------------|------|------|------|---------------------|------|-------|-------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 30   | 50   | 80   | 110                 | 140  | 180   | 230   |
|                        |       |     |       | m <sup>3</sup> /h     | 1.80 | 3.00 | 4.80 | 6.60                | 8.40 | 10.80 | 13.80 |
| 6SPK/060/5 ✓           | 3.00  | 5   | 3     | HEAD IN METRE         | 100  | 90   | 83   | 75                  | 60   | 45    | 30    |
| 6SPK/060/8 ✓           | 5.00  | 8   | 3     |                       | 160  | 144  | 132  | 120                 | 96   | 72    | 48    |
| 6SPK/060/10 ✓          | 6.50  | 10  | 3     |                       | 200  | 180  | 165  | 150                 | 120  | 90    | 60    |
| 6SPK/060/12 ✓          | 7.50  | 12  | 3     |                       | 240  | 216  | 198  | 180                 | 144  | 108   | 72    |
| 6SPK/060/16 ✓          | 10.00 | 16  | 3     |                       | 320  | 288  | 264  | 240                 | 192  | 144   | 96    |
| 6SPK/060/18 ✓          | 12.50 | 18  | 3     |                       | 360  | 324  | 297  | 270                 | 216  | 162   | 108   |
| 6SPK/060/20 ✓          | 15.00 | 20  | 3     |                       | 400  | 360  | 330  | 300                 | 240  | 180   | 120   |

| 60 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |      |      |      | OUTLET : 2" (50 MM) |      |       |       |
|------------------------|-------|-----|-------|-----------------------|------|------|------|---------------------|------|-------|-------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 40   | 70   | 100  | 130                 | 160  | 200   | 260   |
|                        |       |     |       | m <sup>3</sup> /h     | 2.40 | 4.20 | 6.00 | 7.80                | 9.60 | 12.00 | 15.60 |
| 6SPK/080/4 ✓           | 3.00  | 4   | 3     | HEAD IN METRE         | 80   | 72   | 66   | 60                  | 48   | 36    | 24    |
| 6SPK/080/6 ✓           | 5.00  | 6   | 3     |                       | 120  | 108  | 99   | 90                  | 72   | 54    | 36    |
| 6SPK/080/8             | 6.50  | 8   | 3     |                       | 160  | 144  | 132  | 120                 | 96   | 72    | 48    |
| 6SPK/080/10 ✓          | 7.50  | 10  | 3     |                       | 200  | 180  | 165  | 150                 | 120  | 90    | 60    |
| 6SPK/080/12 ✓          | 10.00 | 12  | 3     |                       | 240  | 216  | 198  | 180                 | 144  | 108   | 72    |
| 6SPK/080/15            | 12.50 | 15  | 3     |                       | 300  | 270  | 248  | 225                 | 180  | 135   | 90    |
| 6SPK/080/18            | 15.00 | 18  | 3     |                       | 360  | 324  | 297  | 270                 | 216  | 162   | 108   |

| 60 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |      |      |      | OUTLET : 2" (50 MM) |       |       |       |
|------------------------|-------|-----|-------|-----------------------|------|------|------|---------------------|-------|-------|-------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 60   | 100  | 150  | 180                 | 240   | 300   | 370   |
|                        |       |     |       | m <sup>3</sup> /h     | 3.60 | 6.00 | 9.00 | 10.80               | 14.40 | 18.00 | 22.20 |
| 6SPK/100/3 ✓           | 3.00  | 3   | 3     | HEAD IN METRE         | 60   | 54   | 50   | 45                  | 36    | 27    | 18    |
| 6SPK/100/5 ✓           | 5.00  | 5   | 3     |                       | 100  | 90   | 83   | 75                  | 60    | 45    | 30    |
| 6SPK/100/6 ✓           | 6.50  | 6   | 3     |                       | 120  | 108  | 99   | 90                  | 72    | 54    | 36    |
| 6SPK/100/8 ✓           | 7.50  | 8   | 3     |                       | 160  | 144  | 132  | 120                 | 96    | 72    | 48    |
| 6SPK/100/10 ✓          | 10.00 | 10  | 3     |                       | 200  | 180  | 165  | 150                 | 120   | 90    | 60    |
| 6SPK/100/12 ✓          | 12.50 | 12  | 3     |                       | 240  | 216  | 198  | 180                 | 144   | 108   | 72    |
| 6SPK/100/15 ✓          | 15.00 | 15  | 3     |                       | 300  | 270  | 248  | 225                 | 180   | 135   | 90    |
| 6SPK/100/17            | 17.50 | 17  | 3     |                       | 340  | 306  | 281  | 255                 | 204   | 153   | 102   |
| 6SPK/100/20            | 20.00 | 20  | 3     |                       | 400  | 360  | 330  | 300                 | 240   | 180   | 120   |



NOTE: ALL PUMPS WITH ✓ ARE ISI MARKED.



# V6 SUBMERSIBLE PUMP SET ( SSK60 )



AN ISO 9001 : 2015 COMPANY

- ❖ V6 SUBMERSIBLE PUMP SET SUITABLE FOR 6" (150 MM) AND ABOVE DIA BOREWELL
- ❖ BOWL - CI WITH SS JACKET (NYLON GUIDWEN) | IMPELLER - SS 410 CASTING

| 60 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |      |       | OUTLET : 2.5" (65 MM) |       |       |       |       |
|------------------------|-------|-----|-------|-----------------------|------|-------|-----------------------|-------|-------|-------|-------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 100  | 170   | 240                   | 300   | 350   | 420   | 520   |
|                        |       |     |       | m <sup>3</sup> /h     | 6.00 | 10.20 | 14.40                 | 18.00 | 21.00 | 25.20 | 31.20 |
| 6SPK/125/4 ✓           | 5.00  | 4   | 3     | HEAD IN METRE         | 80   | 72    | 66                    | 60    | 48    | 36    | 24    |
| 6SPK/125/5             | 6.50  | 5   | 3     |                       | 100  | 90    | 83                    | 75    | 60    | 45    | 30    |
| 6SPK/125/6 ✓           | 7.50  | 6   | 3     |                       | 120  | 108   | 99                    | 90    | 72    | 54    | 36    |
| 6SPK/125/8 ✓           | 10.00 | 8   | 3     |                       | 160  | 144   | 132                   | 120   | 96    | 72    | 48    |
| 6SPK/125/10 ✓          | 12.50 | 10  | 3     |                       | 200  | 180   | 165                   | 150   | 120   | 90    | 60    |
| 6SPK/125/12            | 15.00 | 12  | 3     |                       | 240  | 216   | 198                   | 180   | 144   | 108   | 72    |
| 6SPK/125/14            | 17.50 | 14  | 3     |                       | 280  | 252   | 231                   | 210   | 168   | 126   | 84    |
| 6SPK/125/16            | 20.00 | 16  | 3     |                       | 320  | 288   | 264                   | 240   | 192   | 144   | 96    |

| 60 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |      |       | OUTLET : 2.5" (65 MM) |       |       |       |       |
|------------------------|-------|-----|-------|-----------------------|------|-------|-----------------------|-------|-------|-------|-------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 120  | 180   | 270                   | 340   | 400   | 500   | 600   |
|                        |       |     |       | m <sup>3</sup> /h     | 7.20 | 10.80 | 16.20                 | 20.40 | 24.00 | 30.00 | 36.00 |
| 6SPK/150/3 ✓           | 5.00  | 3   | 3     | HEAD IN METRE         | 60   | 54    | 50                    | 45    | 36    | 27    | 18    |
| 6SPK/150/4             | 6.50  | 4   | 3     |                       | 80   | 72    | 66                    | 60    | 48    | 36    | 24    |
| 6SPK/150/5 ✓           | 7.50  | 5   | 3     |                       | 100  | 90    | 83                    | 75    | 60    | 45    | 30    |
| 6SPK/150/7 ✓           | 10.00 | 7   | 3     |                       | 140  | 126   | 116                   | 105   | 84    | 63    | 42    |
| 6SPK/150/8 ✓           | 12.50 | 8   | 3     |                       | 160  | 144   | 132                   | 120   | 96    | 72    | 48    |
| 6SPK/150/10            | 15.00 | 10  | 3     |                       | 200  | 180   | 165                   | 150   | 120   | 90    | 60    |
| 6SPK/150/12            | 17.50 | 12  | 3     |                       | 240  | 216   | 198                   | 180   | 144   | 108   | 72    |
| 6SPK/150/13            | 20.00 | 13  | 3     |                       | 260  | 234   | 215                   | 195   | 156   | 117   | 78    |

| 60 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |       |       | OUTLET : 2.5" (65 MM) |       |       |       |       |
|------------------------|-------|-----|-------|-----------------------|-------|-------|-----------------------|-------|-------|-------|-------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 170   | 280   | 350                   | 400   | 500   | 550   | 650   |
|                        |       |     |       | m <sup>3</sup> /h     | 10.20 | 16.80 | 21.00                 | 24.00 | 30.00 | 33.00 | 39.00 |
| 6SPK/200/3             | 6.50  | 3   | 3     | HEAD IN METRE         | 60    | 54    | 50                    | 45    | 36    | 27    | 18    |
| 6SPK/200/4 ✓           | 7.50  | 4   | 3     |                       | 80    | 72    | 66                    | 60    | 48    | 36    | 24    |
| 6SPK/200/5 ✓           | 10.00 | 5   | 3     |                       | 100   | 90    | 83                    | 75    | 60    | 45    | 30    |
| 6SPK/200/6 ✓           | 12.50 | 6   | 3     |                       | 120   | 108   | 99                    | 90    | 72    | 54    | 36    |
| 6SPK/200/8 ✓           | 15.00 | 8   | 3     |                       | 160   | 144   | 132                   | 120   | 96    | 72    | 48    |
| 6SPK/200/9             | 17.50 | 9   | 3     |                       | 180   | 162   | 149                   | 135   | 108   | 81    | 54    |
| 6SPK/200/10            | 20.00 | 10  | 3     |                       | 200   | 180   | 165                   | 150   | 120   | 90    | 60    |



NOTE: ALL PUMPS WITH ✓ ARE ISI MARKED.

# V6 SUBMERSIBLE PUMP SET ( SSK65 )



AN ISO 9001 : 2015 COMPANY

- ❖ V6 SUBMERSIBLE PUMP SET SUITABLE FOR 6" (150 MM) AND ABOVE DIA BOREWELL
- ❖ BOWL - SS 304 INVESTMENT CASTING | IMPELLER - SS 410 CASTING

| 65 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |     |     | OUTLET : 2" (50 MM) |     |     |      |      |
|------------------------|-------|-----|-------|-----------------------|-----|-----|---------------------|-----|-----|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 30  | 50  | 80                  | 110 | 140 | 180  | 230  |
|                        |       |     |       | m <sup>3</sup> /h     | 1.8 | 3.0 | 4.8                 | 6.6 | 8.4 | 10.8 | 13.8 |
| 6SPF/060/5 ✓           | 3.00  | 5   | 3     | HEAD IN METRE         | 100 | 90  | 83                  | 75  | 60  | 45   | 30   |
| 6SPF/060/8 ✓           | 5.00  | 8   | 3     |                       | 160 | 144 | 132                 | 120 | 96  | 72   | 48   |
| 6SPF/060/10 ✓          | 6.50  | 10  | 3     |                       | 200 | 180 | 165                 | 150 | 120 | 90   | 60   |
| 6SPF/060/12 ✓          | 7.50  | 12  | 3     |                       | 240 | 216 | 198                 | 180 | 144 | 108  | 72   |
| 6SPF/060/14 ✓          | 10.00 | 14  | 3     |                       | 280 | 252 | 231                 | 210 | 168 | 126  | 84   |
| 6SPF/060/16 ✓          | 10.00 | 16  | 3     |                       | 320 | 288 | 264                 | 240 | 192 | 144  | 96   |
| 6SPF/060/18 ✓          | 12.50 | 18  | 3     |                       | 360 | 324 | 297                 | 270 | 216 | 162  | 108  |
| 6SPF/060/20 ✓          | 15.00 | 20  | 3     |                       | 400 | 360 | 330                 | 300 | 240 | 180  | 120  |

| 65 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |     |     | OUTLET : 2" (50 MM) |     |     |      |      |
|------------------------|-------|-----|-------|-----------------------|-----|-----|---------------------|-----|-----|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 40  | 70  | 100                 | 130 | 160 | 200  | 260  |
|                        |       |     |       | m <sup>3</sup> /h     | 2.4 | 4.2 | 6.0                 | 7.8 | 9.6 | 12.0 | 15.6 |
| 6SPF/080/4 ✓           | 3.00  | 4   | 3     | HEAD IN METRE         | 80  | 72  | 66                  | 60  | 48  | 36   | 24   |
| 6SPF/080/6 ✓           | 5.00  | 6   | 3     |                       | 120 | 108 | 99                  | 90  | 72  | 54   | 36   |
| 6SPF/080/8             | 6.50  | 8   | 3     |                       | 160 | 144 | 132                 | 120 | 96  | 72   | 48   |
| 6SPF/080/10 ✓          | 7.50  | 10  | 3     |                       | 200 | 180 | 165                 | 150 | 120 | 90   | 60   |
| 6SPF/080/12 ✓          | 10.00 | 12  | 3     |                       | 240 | 216 | 198                 | 180 | 144 | 108  | 72   |
| 6SPF/080/15            | 12.50 | 15  | 3     |                       | 300 | 270 | 248                 | 225 | 180 | 135  | 90   |
| 6SPF/080/18            | 15.00 | 18  | 3     |                       | 360 | 324 | 297                 | 270 | 216 | 162  | 108  |
| 6SPF/080/21            | 17.50 | 21  | 3     |                       | 420 | 378 | 347                 | 315 | 252 | 189  | 126  |
| 6SPF/080/23            | 20.00 | 23  | 3     |                       | 460 | 414 | 380                 | 345 | 276 | 207  | 138  |
| 6SPF/080/25            | 22.50 | 25  | 3     |                       | 500 | 450 | 413                 | 375 | 300 | 225  | 150  |
| 6SPF/080/28            | 25.00 | 28  | 3     |                       | 560 | 504 | 462                 | 420 | 336 | 252  | 168  |

| 65 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |     |     | OUTLET : 2" (50 MM) |      |      |      |      |
|------------------------|-------|-----|-------|-----------------------|-----|-----|---------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 60  | 100 | 150                 | 180  | 240  | 300  | 370  |
|                        |       |     |       | m <sup>3</sup> /h     | 3.6 | 6.0 | 9.0                 | 10.8 | 14.4 | 18.0 | 22.2 |
| 6SPF/100/3 ✓           | 3.00  | 3   | 3     | HEAD IN METRE         | 60  | 54  | 50                  | 45   | 36   | 27   | 18   |
| 6SPF/100/5 ✓           | 5.00  | 5   | 3     |                       | 100 | 90  | 83                  | 75   | 60   | 45   | 30   |
| 6SPF/100/6 ✓           | 6.50  | 6   | 3     |                       | 120 | 108 | 99                  | 90   | 72   | 54   | 36   |
| 6SPF/100/8 ✓           | 7.50  | 8   | 3     |                       | 160 | 144 | 132                 | 120  | 96   | 72   | 48   |
| 6SPF/100/10 ✓          | 10.00 | 10  | 3     |                       | 200 | 180 | 165                 | 150  | 120  | 90   | 60   |
| 6SPF/100/12 ✓          | 12.50 | 12  | 3     |                       | 240 | 216 | 198                 | 180  | 144  | 108  | 72   |
| 6SPF/100/15 ✓          | 15.00 | 15  | 3     |                       | 300 | 270 | 248                 | 225  | 180  | 135  | 90   |
| 6SPF/100/17            | 17.50 | 17  | 3     |                       | 340 | 306 | 281                 | 255  | 204  | 153  | 102  |
| 6SPF/100/20            | 20.00 | 20  | 3     |                       | 400 | 360 | 330                 | 300  | 240  | 180  | 120  |
| 6SPF/100/22            | 22.50 | 22  | 3     |                       | 440 | 396 | 363                 | 330  | 264  | 198  | 132  |
| 6SPF/100/25            | 25.00 | 25  | 3     |                       | 500 | 450 | 413                 | 375  | 300  | 225  | 150  |
| 6SPF/100/28            | 30.00 | 28  | 3     |                       | 560 | 504 | 462                 | 420  | 336  | 252  | 168  |



NOTE: ALL PUMPS WITH ✓ ARE ISI MARKED.

# V6 SUBMERSIBLE PUMP SET ( SSK65 )



AN ISO 9001 : 2015 COMPANY

- ❖ V6 SUBMERSIBLE PUMP SET SUITABLE FOR 6" (150 MM) AND ABOVE DIA BOREWELL
- ❖ BOWL - SS 304 INVESTMENT CASTING | IMPELLER - SS 410 CASTING

| 65 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |     |      |      | OUTLET : 2.5" (65 MM) |      |      |      |
|------------------------|-------|-----|-------|-----------------------|-----|------|------|-----------------------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 100 | 170  | 240  | 300                   | 350  | 420  | 520  |
|                        |       |     |       | m <sup>3</sup> /h     | 6.0 | 10.2 | 14.4 | 18.0                  | 21.0 | 25.2 | 31.2 |
| 6SPF/125/4 ✓           | 5.00  | 4   | 3     | HEAD IN METRE         | 80  | 72   | 66   | 60                    | 48   | 36   | 24   |
| 6SPF/125/5             | 6.50  | 5   | 3     |                       | 100 | 90   | 83   | 75                    | 60   | 45   | 30   |
| 6SPF/125/6 ✓           | 7.50  | 6   | 3     |                       | 120 | 108  | 99   | 90                    | 72   | 54   | 36   |
| 6SPF/125/8 ✓           | 10.00 | 8   | 3     |                       | 160 | 144  | 132  | 120                   | 96   | 72   | 48   |
| 6SPF/125/10 ✓          | 12.50 | 10  | 3     |                       | 200 | 180  | 165  | 150                   | 120  | 90   | 60   |
| 6SPF/125/12            | 15.00 | 12  | 3     |                       | 240 | 216  | 198  | 180                   | 144  | 108  | 72   |
| 6SPF/125/14            | 17.50 | 14  | 3     |                       | 280 | 252  | 231  | 210                   | 168  | 126  | 84   |
| 6SPF/125/16            | 20.00 | 16  | 3     |                       | 320 | 288  | 264  | 240                   | 192  | 144  | 96   |
| 6SPF/125/18            | 22.50 | 18  | 3     |                       | 360 | 324  | 297  | 270                   | 216  | 162  | 108  |
| 6SPF/125/20            | 25.00 | 20  | 3     |                       | 400 | 360  | 330  | 300                   | 240  | 180  | 120  |
| 6SPF/125/24            | 30.00 | 24  | 3     |                       | 480 | 432  | 396  | 360                   | 288  | 216  | 144  |

| 65 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |     |      | OUTLET : 2.5" (65 MM) |      |      |      |      |
|------------------------|-------|-----|-------|-----------------------|-----|------|-----------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 120 | 180  | 270                   | 340  | 400  | 500  | 600  |
|                        |       |     |       | m <sup>3</sup> /h     | 7.2 | 10.8 | 16.2                  | 20.4 | 24.0 | 30.0 | 36.0 |
| 6SPF/150/3 ✓           | 5.00  | 3   | 3     | HEAD IN METRE         | 60  | 54   | 50                    | 45   | 36   | 27   | 18   |
| 6SPF/150/4             | 6.50  | 4   | 3     |                       | 80  | 72   | 66                    | 60   | 48   | 36   | 24   |
| 6SPF/150/5 ✓           | 7.50  | 5   | 3     |                       | 100 | 90   | 83                    | 75   | 60   | 45   | 30   |
| 6SPF/150/6             | 10.00 | 6   | 3     |                       | 120 | 108  | 99                    | 90   | 72   | 54   | 36   |
| 6SPF/150/7 ✓           | 10.00 | 7   | 3     |                       | 140 | 126  | 116                   | 105  | 84   | 63   | 42   |
| 6SPF/150/8 ✓           | 12.50 | 8   | 3     |                       | 160 | 144  | 132                   | 120  | 96   | 72   | 48   |
| 6SPF/150/10            | 15.00 | 10  | 3     |                       | 200 | 180  | 165                   | 150  | 120  | 90   | 60   |
| 6SPF/150/12            | 17.50 | 12  | 3     |                       | 240 | 216  | 198                   | 180  | 144  | 108  | 72   |
| 6SPF/150/13            | 20.00 | 13  | 3     |                       | 260 | 234  | 215                   | 195  | 156  | 117  | 78   |
| 6SPF/150/15            | 22.50 | 15  | 3     |                       | 300 | 270  | 248                   | 225  | 180  | 135  | 90   |
| 6SPF/150/17            | 25.00 | 17  | 3     |                       | 340 | 306  | 281                   | 255  | 204  | 153  | 102  |
| 6SPF/150/20            | 30.00 | 20  | 3     |                       | 400 | 360  | 330                   | 300  | 240  | 180  | 120  |

| 65 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |      |      | OUTLET : 2.5" (65 MM) |      |      |      |      |
|------------------------|-------|-----|-------|-----------------------|------|------|-----------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 170  | 280  | 350                   | 400  | 500  | 550  | 650  |
|                        |       |     |       | m <sup>3</sup> /h     | 10.2 | 16.8 | 21.0                  | 24.0 | 30.0 | 33.0 | 39.0 |
| 6SPF/200/3             | 6.50  | 3   | 3     | HEAD IN METRE         | 60   | 54   | 50                    | 45   | 36   | 27   | 18   |
| 6SPF/200/4 ✓           | 7.50  | 4   | 3     |                       | 80   | 72   | 66                    | 60   | 48   | 36   | 24   |
| 6SPF/200/5 ✓           | 10.00 | 5   | 3     |                       | 100  | 90   | 83                    | 75   | 60   | 45   | 30   |
| 6SPF/200/6 ✓           | 12.50 | 6   | 3     |                       | 120  | 108  | 99                    | 90   | 72   | 54   | 36   |
| 6SPF/200/8 ✓           | 15.00 | 8   | 3     |                       | 160  | 144  | 132                   | 120  | 96   | 72   | 48   |
| 6SPF/200/9             | 17.50 | 9   | 3     |                       | 180  | 162  | 149                   | 135  | 108  | 81   | 54   |
| 6SPF/200/10            | 20.00 | 10  | 3     |                       | 200  | 180  | 165                   | 150  | 120  | 90   | 60   |
| 6SPF/200/12            | 22.50 | 12  | 3     |                       | 240  | 216  | 198                   | 180  | 144  | 108  | 72   |
| 6SPF/200/13            | 25.00 | 13  | 3     |                       | 260  | 234  | 215                   | 195  | 156  | 117  | 78   |
| 6SPF/200/15            | 30.00 | 15  | 3     |                       | 300  | 270  | 248                   | 225  | 180  | 135  | 90   |

NOTE: ALL PUMPS WITH ✓ ARE ISI MARKED.



# V6 SUBMERSIBLE PUMP SET ( SSK70 )



AN ISO 9001 : 2015 COMPANY

- ❖ V6 SUBMERSIBLE PUMP SET SUITABLE FOR 6" (150 MM) AND ABOVE DIA BOREWELL
- ❖ BOWL - SS 304 INVESTMENT CASTING | IMPELLER - SS 304 CASTING

| 70 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |     |     | OUTLET : 2" (50 MM) |     |     |      |      |
|------------------------|-------|-----|-------|-----------------------|-----|-----|---------------------|-----|-----|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 30  | 50  | 80                  | 110 | 140 | 180  | 230  |
|                        |       |     |       | m <sup>3</sup> /h     | 1.8 | 3.0 | 4.8                 | 6.6 | 8.4 | 10.8 | 13.8 |
| 6SPH/060/5 ✓           | 3.00  | 5   | 3     | HEAD IN METRE         | 100 | 90  | 83                  | 75  | 60  | 45   | 30   |
| 6SPH/060/8 ✓           | 5.00  | 8   | 3     |                       | 160 | 144 | 132                 | 120 | 96  | 72   | 48   |
| 6SPH/060/10 ✓          | 6.50  | 10  | 3     |                       | 200 | 180 | 165                 | 150 | 120 | 90   | 60   |
| 6SPH/060/12 ✓          | 7.50  | 12  | 3     |                       | 240 | 216 | 198                 | 180 | 144 | 108  | 72   |
| 6SPH/060/14            | 10.00 | 14  | 3     |                       | 280 | 252 | 231                 | 210 | 168 | 126  | 84   |
| 6SPH/060/16 ✓          | 10.00 | 16  | 3     |                       | 320 | 288 | 264                 | 240 | 192 | 144  | 96   |
| 6SPH/060/18 ✓          | 12.50 | 18  | 3     |                       | 360 | 324 | 297                 | 270 | 216 | 162  | 108  |
| 6SPH/060/20 ✓          | 15.00 | 20  | 3     |                       | 400 | 360 | 330                 | 300 | 240 | 180  | 120  |

| 70 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |     |     | OUTLET : 2" (50 MM) |     |     |      |      |
|------------------------|-------|-----|-------|-----------------------|-----|-----|---------------------|-----|-----|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 40  | 70  | 100                 | 130 | 160 | 200  | 260  |
|                        |       |     |       | m <sup>3</sup> /h     | 2.4 | 4.2 | 6.0                 | 7.8 | 9.6 | 12.0 | 15.6 |
| 6SPH/080/4 ✓           | 3.00  | 4   | 3     | HEAD IN METRE         | 80  | 72  | 66                  | 60  | 48  | 36   | 24   |
| 6SPH/080/6 ✓           | 5.00  | 6   | 3     |                       | 120 | 108 | 99                  | 90  | 72  | 54   | 36   |
| 6SPH/080/8             | 6.50  | 8   | 3     |                       | 160 | 144 | 132                 | 120 | 96  | 72   | 48   |
| 6SPH/080/10 ✓          | 7.50  | 10  | 3     |                       | 200 | 180 | 165                 | 150 | 120 | 90   | 60   |
| 6SPH/080/12 ✓          | 10.00 | 12  | 3     |                       | 240 | 216 | 198                 | 180 | 144 | 108  | 72   |
| 6SPH/080/15            | 12.50 | 15  | 3     |                       | 300 | 270 | 248                 | 225 | 180 | 135  | 90   |
| 6SPH/080/18            | 15.00 | 18  | 3     |                       | 360 | 324 | 297                 | 270 | 216 | 162  | 108  |
| 6SPH/080/21            | 17.50 | 21  | 3     |                       | 420 | 378 | 347                 | 315 | 252 | 189  | 126  |
| 6SPH/080/23            | 20.00 | 23  | 3     |                       | 460 | 414 | 380                 | 345 | 276 | 207  | 138  |
| 6SPH/080/25            | 22.50 | 25  | 3     |                       | 500 | 450 | 413                 | 375 | 300 | 225  | 150  |
| 6SPH/080/28            | 25.00 | 28  | 3     |                       | 560 | 504 | 462                 | 420 | 336 | 252  | 168  |

| 70 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |     |     | OUTLET : 2" (50 MM) |      |      |      |      |
|------------------------|-------|-----|-------|-----------------------|-----|-----|---------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 60  | 100 | 150                 | 180  | 240  | 300  | 370  |
|                        |       |     |       | m <sup>3</sup> /h     | 3.6 | 6.0 | 9.0                 | 10.8 | 14.4 | 18.0 | 22.2 |
| 6SPH/100/3 ✓           | 3.00  | 3   | 3     | HEAD IN METRE         | 60  | 54  | 50                  | 45   | 36   | 27   | 18   |
| 6SPH/100/5 ✓           | 5.00  | 5   | 3     |                       | 100 | 90  | 83                  | 75   | 60   | 45   | 30   |
| 6SPH/100/6 ✓           | 6.50  | 6   | 3     |                       | 120 | 108 | 99                  | 90   | 72   | 54   | 36   |
| 6SPH/100/8 ✓           | 7.50  | 8   | 3     |                       | 160 | 144 | 132                 | 120  | 96   | 72   | 48   |
| 6SPH/100/10 ✓          | 10.00 | 10  | 3     |                       | 200 | 180 | 165                 | 150  | 120  | 90   | 60   |
| 6SPH/100/12 ✓          | 12.50 | 12  | 3     |                       | 240 | 216 | 198                 | 180  | 144  | 108  | 72   |
| 6SPH/100/15 ✓          | 15.00 | 15  | 3     |                       | 300 | 270 | 248                 | 225  | 180  | 135  | 90   |
| 6SPH/100/17            | 17.50 | 17  | 3     |                       | 340 | 306 | 281                 | 255  | 204  | 153  | 102  |
| 6SPH/100/20            | 20.00 | 20  | 3     |                       | 400 | 360 | 330                 | 300  | 240  | 180  | 120  |
| 6SPH/100/22            | 22.50 | 22  | 3     |                       | 440 | 396 | 363                 | 330  | 264  | 198  | 132  |
| 6SPH/100/25            | 25.00 | 25  | 3     |                       | 500 | 450 | 413                 | 375  | 300  | 225  | 150  |
| 6SPH/100/28            | 30.00 | 28  | 3     |                       | 560 | 504 | 462                 | 420  | 336  | 252  | 168  |



NOTE: ALL PUMPS WITH ✓ ARE ISI MARKED.

# V6 SUBMERSIBLE PUMP SET ( SSK70 )



AN ISO 9001 : 2015 COMPANY

- ❖ V6 SUBMERSIBLE PUMP SET SUITABLE FOR 6" (150 MM) AND ABOVE DIA BOREWELL
- ❖ BOWL - SS 304 INVESTMENT CASTING | IMPELLER - SS 304 CASTING

| 70 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |     |      |      | OUTLET : 2.5" (65 MM) |      |      |      |
|------------------------|-------|-----|-------|-----------------------|-----|------|------|-----------------------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 100 | 170  | 240  | 300                   | 350  | 420  | 520  |
|                        |       |     |       | m <sup>3</sup> /h     | 6.0 | 10.2 | 14.4 | 18.0                  | 21.0 | 25.2 | 31.2 |
| 6SPH/125/4 ✓           | 5.00  | 4   | 3     | HEAD IN METRE         | 80  | 72   | 66   | 60                    | 48   | 36   | 24   |
| 6SPH/125/5             | 6.50  | 5   | 3     |                       | 100 | 90   | 83   | 75                    | 60   | 45   | 30   |
| 6SPH/125/6 ✓           | 7.50  | 6   | 3     |                       | 120 | 108  | 99   | 90                    | 72   | 54   | 36   |
| 6SPH/125/8 ✓           | 10.00 | 8   | 3     |                       | 160 | 144  | 132  | 120                   | 96   | 72   | 48   |
| 6SPH/125/10 ✓          | 12.50 | 10  | 3     |                       | 200 | 180  | 165  | 150                   | 120  | 90   | 60   |
| 6SPH/125/12            | 15.00 | 12  | 3     |                       | 240 | 216  | 198  | 180                   | 144  | 108  | 72   |
| 6SPH/125/14            | 17.50 | 14  | 3     |                       | 280 | 252  | 231  | 210                   | 168  | 126  | 84   |
| 6SPH/125/16            | 20.00 | 16  | 3     |                       | 320 | 288  | 264  | 240                   | 192  | 144  | 96   |
| 6SPH/125/18            | 22.50 | 18  | 3     |                       | 360 | 324  | 297  | 270                   | 216  | 162  | 108  |
| 6SPH/125/20            | 25.00 | 20  | 3     |                       | 400 | 360  | 330  | 300                   | 240  | 180  | 120  |
| 6SPH/125/24            | 30.00 | 24  | 3     |                       | 480 | 432  | 396  | 360                   | 288  | 216  | 144  |

| 70 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |     |      | OUTLET : 2.5" (65 MM) |      |      |      |      |
|------------------------|-------|-----|-------|-----------------------|-----|------|-----------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 120 | 180  | 270                   | 340  | 400  | 500  | 600  |
|                        |       |     |       | m <sup>3</sup> /h     | 7.2 | 10.8 | 16.2                  | 20.4 | 24.0 | 30.0 | 36.0 |
| 6SPH/150/3 ✓           | 5.00  | 3   | 3     | HEAD IN METRE         | 60  | 54   | 50                    | 45   | 36   | 27   | 18   |
| 6SPH/150/4             | 6.50  | 4   | 3     |                       | 80  | 72   | 66                    | 60   | 48   | 36   | 24   |
| 6SPH/150/5 ✓           | 7.50  | 5   | 3     |                       | 100 | 90   | 83                    | 75   | 60   | 45   | 30   |
| 6SPH/150/6             | 10.00 | 6   | 3     |                       | 120 | 108  | 99                    | 90   | 72   | 54   | 36   |
| 6SPH/150/7 ✓           | 10.00 | 7   | 3     |                       | 140 | 126  | 116                   | 105  | 84   | 63   | 42   |
| 6SPH/150/8 ✓           | 12.50 | 8   | 3     |                       | 160 | 144  | 132                   | 120  | 96   | 72   | 48   |
| 6SPH/150/10            | 15.00 | 10  | 3     |                       | 200 | 180  | 165                   | 150  | 120  | 90   | 60   |
| 6SPH/150/12            | 17.50 | 12  | 3     |                       | 240 | 216  | 198                   | 180  | 144  | 108  | 72   |
| 6SPH/150/13            | 20.00 | 13  | 3     |                       | 260 | 234  | 215                   | 195  | 156  | 117  | 78   |
| 6SPH/150/15            | 22.50 | 15  | 3     |                       | 300 | 270  | 248                   | 225  | 180  | 135  | 90   |
| 6SPH/150/17            | 25.00 | 17  | 3     |                       | 340 | 306  | 281                   | 255  | 204  | 153  | 102  |
| 6SPH/150/20            | 30.00 | 20  | 3     |                       | 400 | 360  | 330                   | 300  | 240  | 180  | 120  |

| 70 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 15 METRE |      |      | OUTLET : 2.5" (65 MM) |      |      |      |      |
|------------------------|-------|-----|-------|-----------------------|------|------|-----------------------|------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 170  | 280  | 350                   | 400  | 500  | 550  | 650  |
|                        |       |     |       | m <sup>3</sup> /h     | 10.2 | 16.8 | 21.0                  | 24.0 | 30.0 | 33.0 | 39.0 |
| 6SPH/200/3             | 6.50  | 3   | 3     | HEAD IN METRE         | 60   | 54   | 50                    | 45   | 36   | 27   | 18   |
| 6SPH/200/4 ✓           | 7.50  | 4   | 3     |                       | 80   | 72   | 66                    | 60   | 48   | 36   | 24   |
| 6SPH/200/5 ✓           | 10.00 | 5   | 3     |                       | 100  | 90   | 83                    | 75   | 60   | 45   | 30   |
| 6SPH/200/6 ✓           | 12.50 | 6   | 3     |                       | 120  | 108  | 99                    | 90   | 72   | 54   | 36   |
| 6SPH/200/8 ✓           | 15.00 | 8   | 3     |                       | 160  | 144  | 132                   | 120  | 96   | 72   | 48   |
| 6SPH/200/9             | 17.50 | 9   | 3     |                       | 180  | 162  | 149                   | 135  | 108  | 81   | 54   |
| 6SPH/200/10            | 20.00 | 10  | 3     |                       | 200  | 180  | 165                   | 150  | 120  | 90   | 60   |
| 6SPH/200/12            | 22.50 | 12  | 3     |                       | 240  | 216  | 198                   | 180  | 144  | 108  | 72   |
| 6SPH/200/13            | 25.00 | 13  | 3     |                       | 260  | 234  | 215                   | 195  | 156  | 117  | 78   |
| 6SPH/200/15            | 30.00 | 15  | 3     |                       | 300  | 270  | 248                   | 225  | 180  | 135  | 90   |

NOTE: ALL PUMPS WITH ✓ ARE ISI MARKED.



# HORIZONTAL OPENWELL PUMP SET



AN ISO 9001 : 2015 COMPANY

• **MODEL : 7SOW / 7COW / 9SOW / 9COW**

## SALIENT FEATURES

- Compactly designed pump set for easy handling and installation.
- Rotor are grinding & burnished to give better surface finish value which ensure long life.
- Front side carbon bearing with stainless steel thrust plate and backside GM LTB-4 counter bush with teflon plate for longer life under various conditions.
- Sleeves and thrust bearings designed for longer life.
- Advanced hydraulic design for highest energy efficiency in the pump set.
- Dynamically balanced rotating parts ensures minimum vibration and longer life.
- High grade cast iron for a better life even in heavy and contaminated water.
- Designed for wide voltage application.
- Starts easily at low voltage, easy installation and low maintenance.



## TECHNICAL SPECIFICATIONS

- KW / HP RANGE : 0.37 / 0.50 TO 11.00 / 15.00
- VOLTAGE RANGE : 160 TO 220 VOLT ( SINGLE PHASE )
- DISCHARGE LPM : UP TO 3000 LITRE
- HEAD : UP TO 70 METRE
- SUCTION : 25 & 100 MM
- DELIVERY : 25 & 100 MM

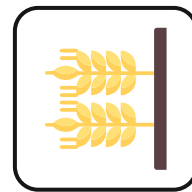
## MATERIAL OF CONSTRUCTION

- IMPELLER : CAST IRON / GLASS FILLED NORYL
- CASTING PART : CAST LRON FG 200 GRADE
- BUSH : CARBON / GM LTB-4
- WINDING : MULTI LAYER PVC WIRE
- NUT & BOLT : MS / SS
- BODY : SS - J4 / CAST IRON
- MOTOR SHAFT : SS - 420
- THRUST BEARING : CARBON V/S SS ( DUAL )
- STAMPING : SILICON STEEL
- ROTOR : COPPER / ALU. PRESSURE DIE - CAST

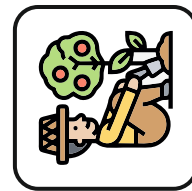
## APPLICATIONS



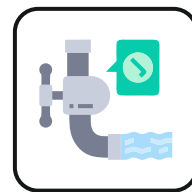
DRINKING WATER



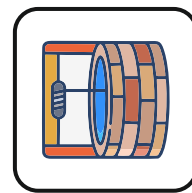
AGRICULTURE



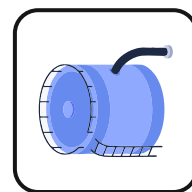
GARDEN



WATER SUPPLY



WATER STORAGE



OVER HEAD TANK



# HORIZONTAL OPENWELL PUMP SET



AN ISO 9001 : 2015 COMPANY



| SS          | BODY V7 OPENWELL |    |        | PHASE | HEAD IN METRE |     |     |     |     |     |     |     |      |
|-------------|------------------|----|--------|-------|---------------|-----|-----|-----|-----|-----|-----|-----|------|
|             | MODEL            | HP | OUTLET |       | 4             | 8   | 12  | 16  | 20  | 24  | 28  | 32  |      |
|             |                  |    | SUC.   |       |               |     |     |     |     |     |     |     | DEL. |
| 7SOW/005/25 | 0.50             | 25 | 25     | 1     | 140           | 130 | 100 | 60  |     |     |     |     |      |
| 7SOW/001/25 | 1.00             | 25 | 25     | 1     | 160           | 145 | 130 | 110 | 95  | 60  | 30  |     |      |
| 7SOW/002/50 | 2.00             | 65 | 50     | 1     | 500           | 480 | 390 | 320 | 210 | 90  | 40  |     |      |
| 7SOW/002/50 | 2.00             | 65 | 50     | 3     | 520           | 500 | 410 | 340 | 225 | 120 | 80  |     |      |
| 7SOW/003/50 | 3.00             | 65 | 50     | 1     | 600           | 580 | 530 | 430 | 350 | 240 | 120 |     |      |
| 7SOW/003/50 | 3.00             | 65 | 50     | 3     |               | 620 | 560 | 500 | 450 | 400 | 300 | 80  |      |
| 7SOW/005/50 | 5.00             | 65 | 50     | 3     |               | 700 | 610 | 580 | 520 | 450 | 350 | 120 |      |



| CI          | BODY V7 OPENWELL |    |        | PHASE | HEAD IN METRE |     |     |     |     |     |     |     |      |
|-------------|------------------|----|--------|-------|---------------|-----|-----|-----|-----|-----|-----|-----|------|
|             | MODEL            | HP | OUTLET |       | 4             | 8   | 12  | 16  | 20  | 24  | 28  | 32  |      |
|             |                  |    | SUC.   |       |               |     |     |     |     |     |     |     | DEL. |
| 7COW/002/25 | 2.00             | 25 | 50     | 1     | 500           | 480 | 390 | 320 | 210 | 90  | 40  |     |      |
| 7COW/002/25 | 2.00             | 25 | 50     | 3     | 520           | 500 | 410 | 340 | 225 | 120 | 80  |     |      |
| 7COW/003/50 | 3.00             | 65 | 50     | 1     | 600           | 580 | 530 | 430 | 350 | 240 | 120 |     |      |
| 7COW/003/50 | 3.00             | 65 | 50     | 3     |               | 620 | 560 | 500 | 450 | 400 | 300 | 80  |      |
| 7COW/005/50 | 5.00             | 65 | 50     | 3     |               | 700 | 610 | 580 | 520 | 450 | 350 | 120 |      |

NOTE: ALL PUMPS WITH ARE ISI MARKED.

# HORIZONTAL OPENWELL PUMP SET



AN ISO 9001 : 2015 COMPANY

| SS           | BODY V9 OPENWELL |       | OUTLET |      | HP   | HEAD IN METRE |      |      |      |      |      |      |      |      |      |     |     |     |    |     |
|--------------|------------------|-------|--------|------|------|---------------|------|------|------|------|------|------|------|------|------|-----|-----|-----|----|-----|
|              | MODEL            | PHASE | SUC.   | DEL. |      | 6             | 10   | 14   | 18   | 22   | 26   | 30   | 34   | 38   | 42   | 46  | 50  | 54  | 58 | 62  |
| 9SOW/003/50  | 1&3              | 65    | 50     |      |      |               | 780  | 720  | 642  | 552  | 432  | 318  |      |      |      |     |     |     |    |     |
| 9SOW/003/65  | 1&3              | 65    | 65     |      |      | 990           | 900  | 780  | 600  | 360  |      |      |      |      |      |     |     |     |    |     |
| 9SOW/003/75  | 3                | 75    | 75     |      | 1080 | 1020          | 960  | 840  | 480  |      |      |      |      |      |      |     |     |     |    |     |
| 9SOW/005/50  | 1&3              | 65    | 50     |      |      | 840           | 780  | 750  | 690  | 600  | 540  | 450  | 300  |      |      |     |     |     |    |     |
| 9SOW/005/65  | 1&3              | 65    | 65     |      | 1110 | 1032          | 960  | 840  | 660  | 480  |      |      |      |      |      |     |     |     |    |     |
| 9SOW/005/75  | 3                | 75    | 75     |      | 1320 | 1260          | 1128 | 960  | 720  | 510  |      |      |      |      |      |     |     |     |    |     |
| 9SOW/005/100 | 3                | 100   | 100    |      |      | 1470          | 1350 | 1020 | 600  |      |      |      |      |      |      |     |     |     |    |     |
| 9SOW/006/50  | 3                | 65    | 50     |      |      | 1032          | 1002 | 948  | 870  | 780  | 678  | 588  | 420  | 240  |      |     |     |     |    |     |
| 9SOW/006/65  | 3                | 65    | 65     |      |      | 1122          | 1080 | 1020 | 930  | 870  | 690  | 480  |      |      |      |     |     |     |    |     |
| 9SOW/006/75  | 3                | 75    | 75     |      |      | 1380          | 1260 | 1080 | 960  | 660  | 300  |      |      |      |      |     |     |     |    |     |
| 9SOW/007/50  | 3                | 65    | 50     |      |      |               |      | 1068 | 1020 | 960  | 900  | 840  | 780  | 660  | 450  |     |     |     |    |     |
| 9SOW/007/65  | 3                | 65    | 65     |      |      |               | 1110 | 1092 | 1074 | 1062 | 1020 | 870  | 660  | 420  |      |     |     |     |    |     |
| 9SOW/007/75  | 3                | 75    | 75     |      |      |               | 1320 | 1290 | 1260 | 1230 | 1200 | 1050 | 660  | 240  |      |     |     |     |    |     |
| 9SOW/007/100 | 3                | 100   | 100    |      |      | 1740          | 1620 | 1440 | 960  | 600  |      |      |      |      |      |     |     |     |    |     |
| 9SOW/010/50  | 3                | 65    | 50     |      |      |               |      |      | 1110 | 1080 | 1020 | 960  | 840  | 720  | 540  | 450 |     |     |    |     |
| 9SOW/010/65  | 3                | 65    | 65     |      |      |               |      | 1068 | 1050 | 1038 | 1020 | 1008 | 912  | 768  | 570  | 240 |     |     |    |     |
| 9SOW/010/75  | 3                | 75    | 75     |      |      |               | 1500 | 1440 | 1380 | 1356 | 1320 | 1140 | 780  | 360  |      |     |     |     |    |     |
| 9SOW/010/100 | 3                | 100   | 100    |      |      | 1980          | 1800 | 1620 | 1200 | 900  | 600  |      |      |      |      |     |     |     |    |     |
| 9SOW/012/50  | 3                | 65    | 50     |      |      |               |      |      | 1150 | 1120 | 1100 | 1000 | 900  | 850  | 760  | 580 | 450 |     |    |     |
| 9SOW/012/65  | 3                | 65    | 65     |      |      |               |      | 1170 | 1128 | 1110 | 1080 | 1032 | 978  | 840  | 660  | 360 |     |     |    |     |
| 9SOW/012/75  | 3                | 75    | 75     |      |      |               | 1680 | 1620 | 1560 | 1500 | 1440 | 1140 | 960  | 540  |      |     |     |     |    |     |
| 9SOW/012/100 | 3                | 100   | 100    |      | 2160 | 2040          | 1800 | 1500 | 1500 | 1320 | 900  | 420  |      |      |      |     |     |     |    |     |
| 9SOW/015/50  | 3                | 65    | 50     |      |      |               |      |      |      |      | 1350 | 1302 | 1248 | 1152 | 1002 | 900 | 798 | 498 |    | 300 |
| 9SOW/015/65  | 3                | 65    | 65     |      |      |               |      |      | 1080 | 1050 | 1038 | 1026 | 1020 | 1014 | 900  | 840 | 540 |     |    |     |
| 9SOW/015/75  | 3                | 75    | 75     |      |      |               | 1800 | 1740 | 1680 | 1620 | 1500 | 1260 | 1140 | 720  | 480  |     |     |     |    |     |
| 9SOW/015/100 | 3                | 100   | 100    |      | 2520 | 2460          | 2400 | 2040 | 2040 | 1680 | 1020 | 480  |      |      |      |     |     |     |    |     |

NOTE: ALL PUMPS WITH ARE ISI MARKED.

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# HORIZONTAL OPENWELL PUMP SET



AN ISO 9001 : 2015 COMPANY

| MODEL        | HP    | PHASE | HEAD IN METRE    |      |      |      |      |      |      |     |     |      |      |      |    |    |    |    |    |
|--------------|-------|-------|------------------|------|------|------|------|------|------|-----|-----|------|------|------|----|----|----|----|----|
|              |       |       | OUTLET           |      | 6    | 10   | 14   | 18   | 22   | 26  | 30  | 34   | 38   | 42   | 46 | 50 | 54 | 58 | 62 |
|              |       |       | SUC.             | DEL. |      |      |      |      |      |     |     |      |      |      |    |    |    |    |    |
|              |       |       | DISCHARGE IN LPM |      |      |      |      |      |      |     |     |      |      |      |    |    |    |    |    |
| 9COW/003/50  | 3.00  | 1&3   | 65               | 50   |      |      | 780  | 720  | 642  | 552 | 432 | 318  |      |      |    |    |    |    |    |
| 9COW/003/65  | 3.00  | 1&3   | 65               | 65   |      | 990  | 900  | 600  | 360  |     |     |      |      |      |    |    |    |    |    |
| 9COW/003/75  | 3.00  | 3     | 75               | 75   | 1080 | 1020 | 840  | 480  |      |     |     |      |      |      |    |    |    |    |    |
| 9COW/005/50  | 5.00  | 1&3   | 65               | 50   |      | 840  | 750  | 690  | 600  |     |     | 450  |      |      |    |    |    |    |    |
| 9COW/005/65  | 5.00  | 1&3   | 65               | 65   | 1110 | 1032 | 960  | 840  | 480  |     |     |      |      |      |    |    |    |    |    |
| 9COW/005/75  | 5.00  | 3     | 75               | 75   | 1320 | 1260 | 1128 | 960  | 510  |     |     |      |      |      |    |    |    |    |    |
| 9COW/005/100 | 5.00  | 3     | 100              | 100  |      | 1470 | 1020 | 600  |      |     |     |      |      |      |    |    |    |    |    |
| 9COW/006/50  | 6.50  | 3     | 65               | 50   |      | 1032 | 1002 | 948  | 780  |     |     | 588  | 420  | 240  |    |    |    |    |    |
| 9COW/006/65  | 6.50  | 3     | 65               | 65   |      | 1122 | 1080 | 1020 | 870  |     |     | 480  |      |      |    |    |    |    |    |
| 9COW/006/75  | 6.50  | 3     | 75               | 75   |      | 1380 | 1260 | 1080 | 660  |     |     |      |      |      |    |    |    |    |    |
| 9COW/007/50  | 7.50  | 3     | 65               | 50   |      |      | 1068 | 1020 | 960  |     |     | 840  | 780  | 450  |    |    |    |    |    |
| 9COW/007/65  | 7.50  | 3     | 65               | 65   |      |      | 1110 | 1092 | 1074 |     |     | 870  | 660  | 420  |    |    |    |    |    |
| 9COW/007/75  | 7.50  | 3     | 75               | 75   |      |      | 1320 | 1290 | 1260 |     |     | 1050 | 660  | 240  |    |    |    |    |    |
| 9COW/007/100 | 7.50  | 3     | 100              | 100  |      | 1740 | 1620 | 1440 | 600  |     |     |      |      |      |    |    |    |    |    |
| 9COW/010/50  | 10.00 | 3     | 65               | 50   |      |      |      |      | 1110 |     |     | 960  | 840  | 540  |    |    |    |    |    |
| 9COW/010/65  | 10.00 | 3     | 65               | 65   |      |      |      | 1068 | 1050 |     |     | 1008 | 768  | 570  |    |    |    |    |    |
| 9COW/010/75  | 10.00 | 3     | 75               | 75   |      |      | 1500 | 1440 | 1380 |     |     | 1140 | 780  | 360  |    |    |    |    |    |
| 9COW/010/100 | 10.00 | 3     | 100              | 100  |      | 1980 | 1800 | 1620 | 900  |     |     |      |      |      |    |    |    |    |    |
| 9COW/012/50  | 12.50 | 3     | 65               | 50   |      |      |      |      | 1150 |     |     | 1000 | 900  | 580  |    |    |    |    |    |
| 9COW/012/65  | 12.50 | 3     | 65               | 65   |      |      |      | 1170 | 1128 |     |     | 1032 | 978  | 660  |    |    |    |    |    |
| 9COW/012/75  | 12.50 | 3     | 75               | 75   |      |      | 1680 | 1620 | 1560 |     |     | 1140 | 960  | 360  |    |    |    |    |    |
| 9COW/012/100 | 12.50 | 3     | 100              | 100  |      | 2160 | 2040 | 1800 | 1320 |     |     | 420  |      |      |    |    |    |    |    |
| 9COW/015/50  | 15.00 | 3     | 65               | 50   |      |      |      |      |      |     |     | 1302 | 1248 | 1002 |    |    |    |    |    |
| 9COW/015/65  | 15.00 | 3     | 65               | 65   |      |      |      |      | 1080 |     |     | 1026 | 1020 | 900  |    |    |    |    |    |
| 9COW/015/75  | 15.00 | 3     | 75               | 75   |      |      | 1800 | 1740 | 1680 |     |     | 1260 | 1140 | 840  |    |    |    |    |    |
| 9COW/015/100 | 15.00 | 3     | 100              | 100  |      | 2520 | 2460 | 2400 | 1680 |     |     | 480  |      |      |    |    |    |    |    |

NOTE: ALL PUMPS WITH ARE ISI MARKED.



❖ MODEL : 9SVT / 9CVT

### SALIENT FEATURES

- ❖ Optimized hydraulic design for efficient performance.
- ❖ Rotor are grinding & burnished to give better surface finish value which ensure long life.
- ❖ Heavy duty, water- lubricated bearing for long trouble free operation.
- ❖ Specially designed thrust bearing to with stand high axial load.
- ❖ Sleeve and thrust bearing designed for longer life.
- ❖ High operating efficiency & more durability and hygiene.
- ❖ Dynamically balanced rotating parts to ensure minimum vibration and longer life.
- ❖ Designed for wide voltage applications.
- ❖ Starts easily at low voltage, easy installation and low maintenance.



### TECHNICAL SPECIFICATIONS

- ❖ KW / HP RANGE : 3.70 / 5.00 TO 11.00 / 15.00
- ❖ VOLTAGE RANGE : 380 TO 440 VOLT ( THREE PHASE )
- ❖ DISCHARGE LPM : UP TO 1500 LITRE
- ❖ HEAD : UP TO 125 METRE
- ❖ DELIVERY : UP TO 75 MM

### MATERIAL OF CONSTRUCTION

#### PUMP

- ❖ DIFFUSER : CAST IRON
- ❖ IMPELLER : SS - 410
- ❖ CASTING PART : CAST IRON FG 200 GRADE
- ❖ BUSH : GM LTB- 4 / NBR
- ❖ PUMP SHAFT : SS - 410
- ❖ SLEEVE AND COUPLING : SS - 410

#### MOTOR

- ❖ MOTOR BODY : SS - J4 / CAST IRON
- ❖ MOTOR SHAFT : SS - 420
- ❖ CASTING PART : CAST IRON FG 200 GEADE
- ❖ BUSH : CARBON / GM LTB-4
- ❖ THRUST BEARING : CARBON V/S SS
- ❖ STAMPING : SILICON STEEL
- ❖ ROTOR : COPPER / ALU. PRESSURE DIE - CAST
- ❖ WINDING : MULTI LAYER PVC INSULATED WIRE

### APPLICATIONS



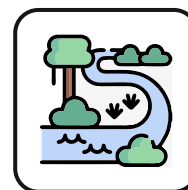
AGRICULTURE



DOMESTIC



INDUSTRY



WATER SUPPLY



IRRIGATION

# VERTICAL OPENWELL PUMP SET ( SS )



AN ISO 9001 : 2015 COMPANY

⚙️ BOWL - CAST IRON GRADED CASTING | IMPELLER - SS 410 CASTING | MOTOR BODY - SS

| 75 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 18 METRE |      |      |      | OUTLET : 2.5" (65 MM) |      |      |      |
|------------------------|-------|-----|-------|-----------------------|------|------|------|-----------------------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 240  | 290  | 330  | 400                   | 480  | 600  | 700  |
|                        |       |     |       | m <sup>3</sup> /h     | 14.4 | 17.4 | 19.8 | 24.0                  | 28.8 | 36.0 | 42.0 |
| 9SVT/250/2             | 5.00  | 2   | 3     | HEAD IN METRE         | 42   | 40   | 38   | 36                    | 34   | 24   | 16   |
| 9SVT/250/3             | 7.50  | 3   | 3     |                       | 63   | 60   | 57   | 54                    | 51   | 36   | 24   |
| 9SVT/250/4             | 10.00 | 4   | 3     |                       | 84   | 80   | 76   | 72                    | 68   | 48   | 32   |
| 9SVT/250/5             | 12.50 | 5   | 3     |                       | 105  | 100  | 95   | 90                    | 85   | 60   | 40   |
| 9SVT/250/6             | 15.00 | 6   | 3     |                       | 126  | 120  | 114  | 108                   | 102  | 72   | 48   |

| 75 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 18 METRE |      |      |      | OUTLET : 2.5" (65 MM) |      |      |      |
|------------------------|-------|-----|-------|-----------------------|------|------|------|-----------------------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 300  | 350  | 400  | 500                   | 580  | 750  | 840  |
|                        |       |     |       | m <sup>3</sup> /h     | 18.0 | 21.0 | 24.0 | 30.0                  | 34.8 | 45.0 | 50.4 |
| 9SVT/330/2             | 7.50  | 2   | 3     | HEAD IN METRE         | 42   | 40   | 38   | 36                    | 34   | 24   | 16   |
| 9SVT/330/3             | 10.00 | 3   | 3     |                       | 63   | 60   | 57   | 54                    | 51   | 36   | 24   |
| 9SVT/330/4             | 12.50 | 4   | 3     |                       | 84   | 80   | 76   | 72                    | 68   | 48   | 32   |
| 9SVT/330/5             | 15.00 | 5   | 3     |                       | 105  | 100  | 95   | 90                    | 85   | 60   | 40   |

| 75 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 18 METRE |      |      |      | OUTLET : 2.5" (65 MM) |      |      |      |
|------------------------|-------|-----|-------|-----------------------|------|------|------|-----------------------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 360  | 420  | 500  | 560                   | 660  | 840  | 1020 |
|                        |       |     |       | m <sup>3</sup> /h     | 21.6 | 25.2 | 30.0 | 33.6                  | 39.6 | 50.4 | 61.2 |
| 9SVT/400/2             | 10.00 | 2   | 3     | HEAD IN METRE         | 42   | 40   | 38   | 36                    | 34   | 24   | 16   |
| 9SVT/400/3             | 12.50 | 3   | 3     |                       | 63   | 60   | 57   | 54                    | 51   | 36   | 24   |
| 9SVT/400/4             | 15.00 | 4   | 3     |                       | 84   | 80   | 76   | 72                    | 68   | 48   | 32   |



❖ BOWL - CAST IRON GRADED CASTING | IMPELLER - SS 410 CASTING | MOTOR BODY - CI

| 70 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 16 METRE |      |      |      | OUTLET : 2.5" (65 MM) |      |      |      |
|------------------------|-------|-----|-------|-----------------------|------|------|------|-----------------------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 200  | 260  | 320  | 400                   | 480  | 520  | 650  |
|                        |       |     |       | m <sup>3</sup> /h     | 12.0 | 15.6 | 19.2 | 24.0                  | 28.8 | 31.2 | 39.0 |
| 9CVT/175/3             | 5.00  | 3   | 3     | HEAD IN METRE         | 57   | 54   | 51   | 48                    | 45   | 42   | 24   |
| 9CVT/175/4             | 7.50  | 4   | 3     |                       | 76   | 72   | 68   | 64                    | 60   | 56   | 32   |
| 9CVT/175/5             | 10.00 | 5   | 3     |                       | 95   | 90   | 85   | 80                    | 75   | 70   | 40   |

| 70 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 17 METRE |      |      |      | OUTLET : 2.5" (65 MM) |      |      |      |
|------------------------|-------|-----|-------|-----------------------|------|------|------|-----------------------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 290  | 370  | 460  | 520                   | 600  | 700  | 800  |
|                        |       |     |       | m <sup>3</sup> /h     | 17.4 | 22.2 | 27.6 | 31.2                  | 36.0 | 42.0 | 48.0 |
| 9CVT/250/2             | 5.00  | 2   | 3     | HEAD IN METRE         | 40   | 38   | 36   | 34                    | 32   | 24   | 16   |
| 9CVT/250/3             | 7.50  | 3   | 3     |                       | 60   | 57   | 54   | 51                    | 48   | 36   | 24   |
| 9CVT/250/4             | 10.00 | 4   | 3     |                       | 80   | 76   | 72   | 68                    | 64   | 48   | 32   |

| 70 FEET HEAD PER STAGE |       |     |       | DUTY POINT : 17 METRE |      |      |      | OUTLET : 2.5" (65 MM) |      |      |      |
|------------------------|-------|-----|-------|-----------------------|------|------|------|-----------------------|------|------|------|
| MODEL                  | HP    | STG | PHASE | LPM                   | 350  | 400  | 500  | 600                   | 750  | 840  | 950  |
|                        |       |     |       | m <sup>3</sup> /h     | 21.0 | 24.0 | 30.0 | 36.0                  | 45.0 | 50.4 | 57.0 |
| 9CVT/330/2             | 7.50  | 2   | 3     | HEAD IN METRE         | 40   | 38   | 36   | 34                    | 32   | 24   | 16   |
| 9CVT/330/3             | 10.00 | 3   | 3     |                       | 60   | 57   | 54   | 51                    | 48   | 36   | 24   |



**MINI OPENWELL PUMP SET SINGLE PHASE CONTROLLER**

| HP   | TYPYR | RUN CAP | PRICE |
|------|-------|---------|-------|
| 0.50 | MCB   | 36      | 700   |
| 1.00 | MCB   | 50      | 750   |

**SUBMERSIBLE PUMP SET SINGLE PHASE CONTROLLER (RELAY CONT.)**

| HP        | TYPYR       | START CAP | RUN CAP  | PRICE |
|-----------|-------------|-----------|----------|-------|
| 0.50/0.75 | MCB         | 80-100    | 36       | 1200  |
| 1.00      | RELAY CONT. | 80-100    | 50       | 2650  |
| 1.50      | RELAY CONT. | 120-150   | 60       | 2750  |
| 2.00      | RELAY CONT. | 150-200   | 72       | 2850  |
| 3.00      | RELAY CONT. | 200-250   | 50+50    | 3100  |
| 5.00      | RELAY CONT. | 200-250   | 50+50+36 | 3950  |

**SUBMERSIBLE PUMP SET SINGLE PHASE CONTROLLER (BCH TYPE)**

| HP   | TWO POLE CONTACTOR         | EPCOS START CAP | EPCOS RUN CAP | PRICE |
|------|----------------------------|-----------------|---------------|-------|
| 0.50 | 25 A. / 2 POLE (10 A. MCB) | 80-100          | 36            | 3100  |
| 0.75 | 25 A. / 2 POLE (10 A. MCB) | 80-100          | 36            | 3200  |
| 1.00 | 25 A. / 2 POLE (16 A. MCB) | 80-100          | 50            | 3300  |
| 1.50 | 25 A. / 2 POLE (16 A. MCB) | 120-150         | 60            | 3400  |
| 2.00 | 25 A. / 2 POLE (20 A. MCB) | 150-200         | 72            | 3550  |
| 3.00 | 25 A. / 2 POLE (32 A. MCB) | 200-250         | 50+50         | 3900  |
| 5.00 | 25 A. / 4 POLE (32 A. MCB) | 200-250         | 50+50+36      | 4800  |

**OPENWELL PUMP SET TWO PHASE CONTROLLER**

| HP   | BCH TYPE                   | RELAY (MK1 TYPE) | EPCOS RUN CAP | PRICE |
|------|----------------------------|------------------|---------------|-------|
| 2.00 | 25 A. / 2 POLE (25 A. MCB) | 9-14 A.          | 60            | 4050  |
| 3.00 | 25 A. / 2 POLE (25 A. MCB) | 13-21 A.         | 72            | 4100  |
| 5.00 | 25 A. / 2 POLE (25 A. MCB) | 20-32 A.         | 60+60         | 4450  |

**SUBMERSIBLE PUMP SET THREE PHASE CONTROLLER PANEL**

| HP          | TYPYR                                    | PRICE |
|-------------|--|-------|
| MU-G10H     | SINGLE CABLE (3HP, 5 HP & 7.5HP)         | 10700 |
| MU-G20H     | DOUBLE CABLE (10HP, 12.5HP, 15HP & 20HP) | 17800 |
| DOL STARTER | UP TO 5HP                                | 2550  |

| CI PARTS       | V3  | V4  | V5 (NORYL) | V5 (SSK40) | V6 SLIM | V6 (CIQ30) | V6 (CIQ50) | V6 (SSK) | V9 (VERTICAL) |
|----------------|-----|-----|------------|------------|---------|------------|------------|----------|---------------|
| NRV            | 240 | 290 | 630        | 780        | 950     | 570        | 950        | 950      | 860           |
| SUCTION        | 240 | 440 | 720        | 870        | 1140    | 800        | 1140       | 1140     | 1180          |
| U. HOUSING     | 230 | 340 | 550        | 700        | 820     | 820        | 820        | 820      | 1620          |
| L. HOUSING     | 230 | 320 | 650        | 800        | 820     | 820        | 820        | 820      | 1050          |
| BASE           | 250 | 460 | 670        | 820        | 890     | 890        | 890        | 890      | 1240          |
| CONNECTION Pc. | -   | -   | 610        | 760        | 800     | 800        | 800        | 800      | -             |
| PUMP STAINER   | 40  | 50  | 70         | 90         | 100     | 100        | 100        | 100      | 100           |
| BODY LOCK      | 10  | 10  | 15         | 15         | 19      | 19         | 19         | 19       | -             |
| CABLE CLIP     | -   | 10  | -          | -          | -       | -          | -          | -        | 17            |
| CABLE GRUMENT  | 4   | 8   | 11         | 11         | 13      | 13         | 13         | 13       | 13            |
| THRUST LOCK    | 10  | 15  | 19         | 19         | 19      | 19         | 19         | 19       | 19            |
| PCD CUP        | -   | 19  | 29         | 29         | 29      | 29         | 29         | 29       | 29            |
| PCD PLATE      | -   | 23  | 48         | 48         | 48      | 48         | 48         | 48       | 48            |
| OIL SEAL       | 20  | 20  | 25         | 25         | 28      | 28         | 28         | 28       | 25            |
| STUD           | 4   | 6   | 12         | 12         | 12      | 15         | 15         | 15       | 15            |
| PUMP COUPLE    | 152 | 171 | 266        | 266        | 285     | 285        | 285        | 285      | 285           |

| G.M. BUSH | 21X30X30 | 30X36X11(C) | 18X25X15(C) | 24.5X32X40 | 21X30X18(C) | 27X36X24 | 27X36X35 | 30X38X30 | 30X38X40    |
|-----------|----------|-------------|-------------|------------|-------------|----------|----------|----------|-------------|
|           | 185      | 80          | 100         | 230        | 130         | 185      | 240      | 250      | 260         |
|           | 25X36X24 | 33X42X40    | 33X42X67    | 30X42X30   | 30X42X30(C) | 38X50X40 | 38X50X50 | 38X50X60 | 38X45X15(C) |
|           | 240      | 300         | 595         | 280        | 320         | 480      | 580      | 680      | 190         |

| THRUST BEARING SET | V3                 | V4  | V4 HEAVY          | V5   | V6                 |
|--------------------|--------------------|-----|-------------------|------|--------------------|
|                    | 210                | 350 | 800               | 1380 | 1725               |
|                    | 90 MM THRUST PLATE |     | 70MM THRUST PLATE |      | SEGMENT 3PIC       |
|                    | 460                |     | 350               |      | 350                |
|                    | V7 TB PLATE        |     | V7 SS COUNTER     |      | SS BEARING COUNTER |
|                    | 185                |     | 185               |      | 350                |

| CI PARTS | CASING | DOUBLE COLLER HOUSING | SINGLE COLLER HOUSING | IMPELLER | FLANGE | FOOTVALVE |
|----------|--------|-----------------------|-----------------------|----------|--------|-----------|
| V7       | 1150   | 950                   | 900                   | 570      | 240    | 380       |
| V9       | 1550   | 1700                  | 1500                  | 760      | 285    | 380       |

| MODEL         | BOWL | IMPELLER | SET  |
|---------------|------|----------|------|
| V5 (SSK40)    | 1050 | 350      | 1400 |
| V6 SLIM       | 1200 | 360      | 1560 |
| V6 (CIQ30)    | 950  | 290      | 1240 |
| V6 (CIQ50)    | 1140 | 480      | 1620 |
| V6 (SSK)      | 1620 | 380      | 2000 |
| V9 (VERTICAL) | 1140 | 570      | 1710 |



MODEL NO. : SPL-1 / 2

**FEATURES**

- ✦ Forged brass volute casing & gun metal impeller For rust free operation.
- ✦ Self priming up to 8 metre at mean sea level.
- ✦ Stainless steel shaft - no corrosion.
- ✦ Motor design - tefc, capacitor start and run type. Suitable for wide voltage operations.
- ✦ Fitted with thermal overload protector (TOP).
- ✦ Portable pump - light weight.

**FEATURES**

- ✦ Aluminium extruded motor body for better heat dissipation and corrosion resistance.
- ✦ Suitable for wide voltage operation.
- ✦ Brass forged impeller high quality mechanical seal.
- ✦ Double shielded ball bearings - no need of additional lubrication tefc (totally enclosed fan cover).
- ✦ Capacitor start and run type motor and class "b" insulation high quality enameled copper wire.
- ✦ Fitted with TOP (thermal overload protector) preventing motor burn out at low voltage.
- ✦ Light weight pump for easy handling.



MODEL NO. : SPL- 5 / 6 / 7

**FEATURES**

- ✦ Forged brass volute casing & gun metal impeller For rust free operation.
- ✦ Self priming up to 8 metre at mean sea level.
- ✦ Motor design - tefc, capacitor start and run type Suitable for wide voltage operations.
- ✦ Fitted with thermal overload protector (TOP).
- ✦ Portable pump - light weight.



MODEL NO. : SPL- 8

**PERFORMANCE CHART**

| MODEL            | KW   | HP   | PIPE SIZE (MM) | HEAD IN METRES |      |      |      |      |      |      |     |     |     |
|------------------|------|------|----------------|----------------|------|------|------|------|------|------|-----|-----|-----|
|                  |      |      |                | 6              | 10   | 14   | 18   | 22   | 26   | 30   | 34  | 38  | 42  |
| DISCHARGE IN LPH |      |      |                |                |      |      |      |      |      |      |     |     |     |
| SPL - 1          | 0.37 | 0.50 | 25X25          | 2120           | 1820 | 1550 | 1260 | 950  | 660  | 360  | -   | -   | -   |
| SPL - 2          | 0.75 | 1.00 | 25X25          | 3280           | 2970 | 2650 | 2300 | 1980 | 1660 | 1300 | 970 | 612 | 250 |
| SPL - 5          | 0.37 | 0.50 | 15X15          | 1500           | 1200 | 1080 | 800  | 650  | 500  | 400  | -   | -   | -   |
| SPL - 6          | 0.55 | 0.75 | 25X25          | 1800           | 1600 | 1400 | 1200 | 950  | 650  | 450  | -   | -   | -   |
| SPL - 7          | 0.75 | 1.00 | 25X25          | 2400           | 2100 | 1700 | 1580 | 1440 | 1200 | 1000 | 900 | 750 | 500 |
| SPL - 8          | 0.37 | 0.50 | 25X25          | 2600           | 2250 | 1850 | 1800 | 1500 | 1180 | 850  | 390 | -   | -   |

## WIRE & CABLES

### FLAT CABLES

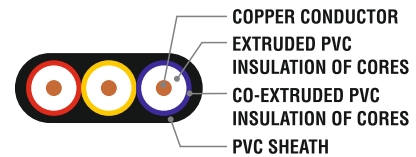
IS:694



CM/L-2830657

#### 3 CORE PVC SUBMERSIBLE FLAT CABLE UP TO 1100 V.

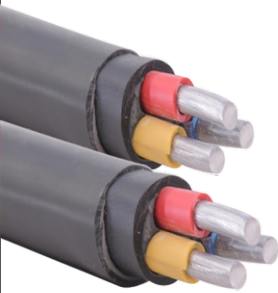
| CONDUCTOR              |                                    | INSULATION          |              | SHEATH         |             |            | CURRENT RATING AT 48°C IN AMPS. | CONDUCTOR RESISTANCE AT 20°C (MAX) Ohm. Km. |
|------------------------|------------------------------------|---------------------|--------------|----------------|-------------|------------|---------------------------------|---|
| SIZE OF CABLE (SQ. MM) | NO. OF WIRE SIZE OF WIRE (NOS. MM) | THICKNESS (NOS. MM) | CORE OD (MM) | THICKNESS (MM) | HEIGHT (MM) | WIDTH (MM) |                                 |   |
| 1.00                   | 14/0.30                            | 0.6                 | 2.7          | 1              | 4.8         | 10.4       | 11                              | 18.1  |
| 1.50                   | 22/0.30                            | 0.6                 | 3.1          | 1              | 5.2         | 11.7       | 14                              | 12.1  |
| 2.50                   | 36/0.30                            | 0.7                 | 3.6          | 1.1            | 6.1         | 13.8       | 18                              | 7.41  |
| 4.00                   | 56/0.30                            | 0.8                 | 4.2          | 1.2            | 7.1         | 15.8       | 26                              | 4.95  |
| 6.00                   | 84/0.30                            | 0.8                 | 5.3          | 1.3            | 8.2         | 18.9       | 31                              | 3.08  |
| 10.00                  | 140/0.30                           | 1.0                 | 6.7          | 1.4            | 10.3        | 23.6       | 42                              | 1.83  |
| 16.00                  | 226/0.30                           | 1.0                 | 8.0          | 1.6            | 12.4        | 27.5       | 57                              | 1.15  |
| 25.00                  | 354/0.30                           | 1.2                 | 9.8          | 2              | 14.6        | 35.0       | 72                              | 0.727                                       |
| 35.00                  | 495/0.30                           | 1.2                 | 11.5         | 2              | 17.0        | 40.5       | 90                              | 0.524                                       |
| 50.00                  | 708/0.30                           | 1.4                 | 13.5         | 2.2            | 19.3        | 46.5       | 115                             | 0.386                                       |



### UNARMoured ROUND ALUMINIUM CABLES

#### PVC. INSULATED & SHEATHED ROUND UNARMoured ALUMINIUM CABLE UP TO 1100 V.

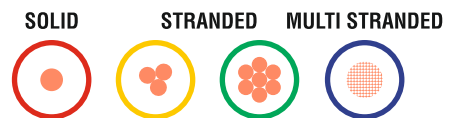
| CONDUCTOR              |                        | INSULATION     |               | NOMINAL THICKNESS |             | MAX OVERALL DIA |             | CURRENT RATING AT 40°C IN AMPS. | CONDUCTOR RESISTANCE AT 20°C (MAX) Ohm. Km. |
|------------------------|------------------------|----------------|---------------|-------------------|-------------|-----------------|-------------|---------------------------------|---|
| SIZE OF CABLE (SQ. MM) | SIZE OF CABLE (SQ. MM) | THICKNESS (MM) | CORE DIA (MM) | 3 CORE (MM)       | 4 CORE (MM) | 3 CORE (MM)     | 4 CORE (MM) |                                 |   |
| 4.00                   | 1/2.25                 | 0.8            | 3.8           | 1.3               | 1.4         | 11.40           | 12.85       | 23                              | 7.41  |
| 6.00                   | 1/2.76                 | 0.8            | 4.5           | 1.4               | 1.4         | 12.45           | 14.50       | 30                              | 4.61  |
| 10.00                  | 1/3.57                 | 1.0            | 5.5           | 1.5               | 1.6         | 14.40           | 16.00       | 40                              | 3.08  |
| 16.00                  | 1/4.50                 | 1.0            | 6.7           | 1.6               | 1.6         | 17.50           | 20.40       | 51                              | 1.91  |
| 25.00                  | 1/5.65                 | 1.2            | 8.0           | 1.7               | 1.8         | 20.50           | 23.00       | 70                              | 1.20  |
| 35.00                  | 1/6.68                 | 1.2            | 9.4           | 1.8               | 1.9         | 23.75           | 23.30       | 86                              | 0.86  |



### HOUSE WIRES

#### SINGLE CORE PVC UNSHEATHED ELECTROLYTIC COPPER WIRES UP TO 1100 V.

| CONDUCTOR              |                        | INSULATION     |               | CURRENT RATING AT 40°C IN AMPS. | CONDUCTOR RESISTANCE AT 20°C (MAX) Ohm. Km. |
|------------------------|------------------------|----------------|---------------|---------------------------------|---|
| SIZE OF CABLE (SQ. MM) | SIZE OF CABLE (SQ. MM) | THICKNESS (MM) | CORE DIA (MM) |                                 |   |
| 0.50                   | 16/0.20                | 0.6            | 2.2           | 4                               | 39.00                                       |
| 0.75                   | 24/0.20                | 0.6            | 2.5           | 7                               | 26.00                                       |
| 1.00                   | 14/0.30                | 0.7            | 2.7           | 11                              | 18.10                                       |
| 1.50                   | 22/0.30                | 0.7            | 3.0           | 14                              | 12.10                                       |
| 2.50                   | 36/0.30                | 0.8            | 3.5           | 18                              | 7.41  |
| 4.00                   | 56/0.30                | 0.8            | 4.2           | 26                              | 4.95  |



MFG BY

## SPLENDOR WIRE & CABLES

PLOT NO. 18 TO 21, SHIV INDUSTRIAL ESTATE, SHED NO. 3, VAVDI INDUSTRIAL AREA,  
GONDAL ROAD, RAJKOT - 360 004. GUJARAT INDIA.

MO. 98794 91958 / 94269 30928

EMAIL : splendorwire@yahoo.com www.cableandpipes.com



# CABLE SELECTION CHART



AN ISO 9001 : 2015 COMPANY

OTHER VOLTAGES THE CABLE SIZE IS TO BE SELECTED AS FOLLOWS:  $\text{CALCULATED LENGTH} = \frac{230}{\text{ACTUAL VOLTAGE}} \times \text{ACTUAL LENGTH}$

| CABLES SELECTION CHART FOR 230V - SINGLE PHASE - 50Hz |     | LENGTH IN METRES |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|---|-----|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| HP  | 10  | 20               | 30  | 40  | 50  | 60  | 70  | 80  | 90  | 100 | 110 | 125 | 140 | 180 | 200 | 220 | 270 | 320 | 370 | 420 | 450 |    |
| 0.50  | 1.5 | 1.5              | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.5 | 2.5 | 2.5 | 4   |    |
| 0.75  | 1.5 | 1.5              | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.5 | 2.5 | 2.5 | 4   | 4   | 4  |
| 1.00  | 1.5 | 1.5              | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.5 | 2.5 | 2.5 | 4   | 4   | 4   | 4   | 4   | 4  |
| 1.50  | 2.5 | 2.5              | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4   | 4   | 4   | 6   | 6   | 10  | 10  | 10 |
| 2.00  | 2.5 | 2.5              | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4   | 4   | 6   | 6   | 6   | 10  | 10  | 10  | 10 |
| 3.00  | 2.5 | 2.5              | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4   | 4   | 4   | 6   | 6   | 6   | 10  | 10  | 10  | 16  | 16  | 16 |
| 5.00  | 4   | 4                | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 6   | 6   | 6   | 10  | 10  | 10  | 16  | 16  | 16  | 25  | 25  | 25 |

OTHER VOLTAGES THE CABLE SIZE IS TO BE SELECTED AS FOLLOWS:  $\text{CALCULATED LENGTH} = \frac{415}{\text{ACTUAL VOLTAGE}} \times \text{ACTUAL LENGTH}$

## SINGLE CABLE

| CABLES SELECTION CHART FOR 415V - THREE PHASE - 50Hz |     | LENGTH IN METRES |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|--|-----|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| HP   | 10  | 20               | 30  | 40  | 50  | 60  | 70  | 80  | 90  | 100 | 110 | 125 | 140 | 180 | 200 | 220 | 270 | 320 | 370 | 420 | 450 |    |
| 3.00   | 1.5 | 1.5              | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4   | 4   | 4   | 4   | 6   | 6  |
| 5.00   | 2.5 | 2.5              | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4   | 4   | 6   | 6   | 10  | 10  | 10 |
| 6.50   | 2.5 | 2.5              | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4   | 4   | 4   | 4   | 6   | 6   | 6   | 10  | 10  | 10  | 10 |
| 7.50   | 2.5 | 2.5              | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4   | 4   | 4   | 4   | 6   | 6   | 6   | 6   | 10  | 10  | 10  | 10  | 10 |
| 10.00  | 6   | 6                | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 10  | 10  | 16  | 16  | 16  | 25  | 25  | 25 |
| 12.50  | 6   | 6                | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 10  | 10  | 16  | 16  | 16  | 16  | 25  | 25  | 25  | 25 |
| 15.00  | 10  | 10               | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 16  | 16  | 16  | 16  | 25  | 25  | 25  | 35  | 35 |

## DOUBLE CABLE

| CABLES SELECTION CHART FOR 415V - THREE PHASE - 50Hz |     | LENGTH IN METRES |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|--|-----|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| HP   | 10  | 20               | 30  | 40  | 50  | 60  | 70  | 80  | 90  | 100 | 110 | 125 | 140 | 180 | 200 | 220 | 270 | 320 | 370 | 420 | 450 |    |
| 10.00  | 2.5 | 2.5              | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 6   | 6   | 6   | 10  | 10 |
| 12.50  | 2.5 | 2.5              | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4   | 4   | 4   | 4   | 4   | 6   | 6   | 6   | 10  | 10  | 10  | 10  | 10 |
| 15.00  | 4   | 4                | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 6   | 6   | 6   | 6   | 10  | 10  | 10  | 10  | 10 |
| 17.50  | 4   | 4                | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 6   | 6   | 6   | 6   | 10  | 10  | 10  | 16  | 16 |
| 20.00  | 4   | 4                | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 6   | 6   | 6   | 6   | 10  | 10  | 10  | 10  | 16  | 16  | 16 |
| 22.50  | 4   | 4                | 4   | 4   | 4   | 4   | 4   | 6   | 6   | 6   | 6   | 6   | 6   | 10  | 10  | 10  | 10  | 16  | 16  | 16  | 16  | 16 |
| 25.00  | 6   | 6                | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 10  | 10  | 10  | 10  | 10  | 10  | 16  | 16  | 16  | 16  | 16 |
| 30.00  | 6   | 6                | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 10  | 10  | 10  | 10  | 10  | 10  | 16  | 16  | 16  | 25  | 25 |
| 35.00  | 10  | 10               | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 16  | 16  | 16  | 16  | 25  | 25  | 25 |
| 40.00  | 10  | 10               | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 16  | 16  | 16  | 16  | 25  | 25  | 25  | 25 |
| 45.00  | 10  | 10               | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 16  | 16  | 16  | 16  | 25  | 25  | 25  | 35  | 35 |
| 50.00  | 10  | 10               | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 16  | 16  | 16  | 16  | 25  | 25  | 25  | 25  | 35  | 35  | 35 |
| 60.00  | 10  | 10               | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 10  | 16  | 16  | 16  | 16  | 16  | 25  | 25  | 25  | 35  | 35  | 35  | 35 |
| 75.00  | 16  | 16               | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 16  | 25  | 25  | 25  | 35  | 35  | 50  | 50  | 50 |

# Splendor<sup>TM</sup> HDPE PIPE



IS:4984  
  
 CML-7600138612

## HDPE PIPE

|                          |  |
|--------------------------|--|
| SIZE RANGE (O.D)         | 16MM TO 200 MM   |
| MATERIAL GRADE           | PE 63, PE 80 & PE 100  |
| PRESSURE CLASS           | 2KG/CM <sup>2</sup> TO 20KG/CM <sup>2</sup>                                      |
| STANDARD DIMENSION RATIO | SDR 41, SDR 33, SDR 26, SDR 21, SDR 17, SDR 13.6, SDR 11, SDR 9, SDR 7.4 & SDR 6 |
| COLOUR                   | BLACK WITH BLUE STRIP  |
| WORKING TEMP.            | -40° C TO 45° C  |

## APPLICATIONS

- ⊕ Potable water supply
- ⊕ Gas transmission
- ⊕ Drip & sprinkler irrigation
- ⊕ Bore wells
- ⊕ Sewerage/drainage
- ⊕ Industrial effluents
- ⊕ Chemical industries
- ⊕ House service connections

- ⊕ Manufactured from 100% virgin raw materials (PE 63, PE 80 & PE 100).
- ⊕ It does not impart any odour or toxicity to the liquid that is being transported.
- ⊕ HDPE pipes possesses advanced properties link resistant to UV & corrosion, non-toxic, inert to chemicals, low thermal conductivity and high electric resistance.
- ⊕ HDPE is flexible in nature and has excellent abrasion & weather resistance.
- ⊕ Internal surface is so smooth which enables higher flow & lower frictional losses.

## SPRINKLER PIPE

### AVAILABLE SIZES

63MM TO 110MM  
 C-TYPE & K-TYPE

### FEATURES

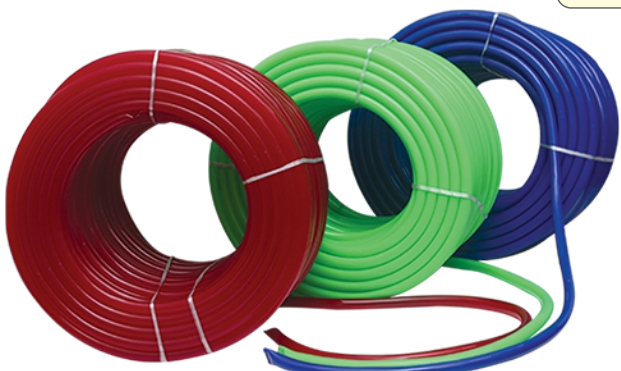
PROVIDES ECONOMY AND BETTER EFFICIENCY.  
 COMPLETE WATER SPRINKLER SYSTEM ALONG WITH PIPES WITH ISI MARK (IS 14151).  
 THE FITTINGS INCLUDE QUICK RELEASE COUPLER.

### COMPONENTS OF SPRINKLER IRRIGATION SYSTEM

TEE, BEND, RISER PIPE, PIPE CONNECTING NIPPLES (PCN),  
 SPRINKLER ADAPTOR, SPRAY NOZZLE, END CAP.



## GARDEN PIPE



| SIZE  | APPROX WEIGHT IN KG ( PER ROLL ) | PACKING (BORA) |
|-------|----------------------------------|----------------|
| 1/2   | 4.000 TO 4.200                   | 12             |
| 3/4   | 5.000 TO 5.200                   | 10             |
| 1     | 7.500 TO 7.700                   | 7              |
| 1 1/4 | 11.000 TO 11.300                 | 5              |

MFG BY

# NASA PIPE LLP

PLOT NO. 18 TO 21, SHIV INDUSTRIAL ESTATE, SHED NO. 3, VAVDI INDUSTRIAL AREA,  
 GONDAL ROAD, RAJKOT - 360 004. GUJARAT INDIA.

MO. 99258 72715 / 97377 52102

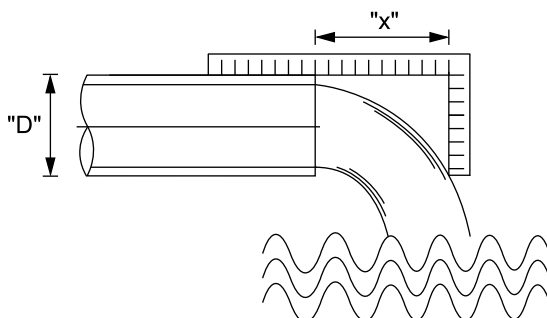
EMAIL : nasapipeline@gmail.com    www.cableandpipes.com

# DISCHARGE RATE TABLE



AN ISO 9001 : 2015 COMPANY

| HORIZONTAL<br>DISTANCE "X"<br>IN INCHES | NOMINAL PIPE DIAMETER "D"              |     |     |     |      |      |      |      |      |
|---|--|-----|-----|-----|------|------|------|------|------|
|   | 1"                                     | 1¼" | 1½" | 2"  | 2½"  | 3"   | 4"   | 5"   | 6"   |
|   | DISCHARGE RATE (Q) (LITRES PER MINUTE) |     |     |     |      |      |      |      |      |
| 4                                       | 26                                     | 44  | 60  | 100 | 141  | 222  | 377  | 590  | 863  |
| 5                                       | 32                                     | 55  | 75  | 127 | 177  | 277  | 472  | 749  | 1090 |
| 6                                       | 39                                     | 67  | 91  | 150 | 213  | 331  | 567  | 885  | 1294 |
| 7                                       | 45                                     | 78  | 105 | 177 | 250  | 386  | 663  | 1044 | 1521 |
| 8                                       | 51                                     | 89  | 120 | 200 | 281  | 445  | 754  | 1180 | 1725 |
| 9                                       | 58                                     | 100 | 135 | 227 | 318  | 499  | 849  | 1339 | 1952 |
| 10                                      | 64                                     | 111 | 151 | 250 | 354  | 554  | 944  | 1475 | 2156 |
| 11                                      | 71                                     | 118 | 166 | 277 | 390  | 608  | 1040 | 1634 | 2383 |
| 12                                      | 77                                     | 132 | 177 | 300 | 427  | 667  | 1135 | 1771 | 2588 |
| 13                                      | 84                                     | 143 | 195 | 327 | 459  | 722  | 1226 | 1930 | 2815 |
| 14                                      | 91                                     | 154 | 211 | 350 | 495  | 776  | 1321 | 2043 | 3019 |
| 15                                      | 97                                     | 165 | 225 | 377 | 531  | 831  | 1416 | 2225 | 3223 |
| 16                                      | 103                                    | 177 | 240 | 400 | 567  | 890  | 1512 | 2361 | 3450 |
| 17                                      | 109                                    | 188 | 256 | 427 | 604  | 944  | 1603 | 2520 | 3677 |
| 18                                      | 116                                    | 198 | 271 | 449 | 636  | 999  | 1698 | 2679 | 3882 |
| 19                                      | 123                                    | 210 | 286 | 477 | 672  | 1053 | 1793 | 2815 | 4109 |
| 20                                      | 129                                    | 221 | 301 | 504 | 708  | 1108 | 1889 | 2951 | 4313 |
| 21                                      | 135                                    | 232 | 316 | 527 | 745  | 1162 | 1984 | 3110 | 4540 |
| 22                                      | 142                                    | 243 | 331 | 554 | 781  | 1221 | 2075 | 3269 | 4767 |
| 23                                      | 148                                    | 254 | 345 | 577 | 813  | 1276 | 2170 | 3405 | 4971 |
| 24                                      | 155                                    | 265 | 360 | 604 | 849  | 1330 | 2265 | 3541 | 5175 |
| 25                                      | 161                                    | 276 | 375 | 627 | 885  | 1389 | 2361 | 3700 | 5402 |
| 26                                      | 167                                    | 287 | 390 | 654 | 922  | 1444 | 2456 | 3836 | 5607 |
| 27                                      | 174                                    | 298 | 405 | 676 | 958  | 1498 | 2547 | 3995 | 5834 |
| 28                                      | 181                                    | 309 | 421 | 704 | 990  | 1553 | 2642 |      |      |
| 29                                      | 187                                    | 320 | 436 | 726 | 1026 | 1607 | 2738 |      |      |
| 30                                      | 193                                    | 331 | 451 | 754 | 1062 | 1666 | 2833 |      |      |
| 31                                      |  |     | 468 | 776 | 1099 | 1721 |      |      |      |
| 32                                      |  |     | 481 | 804 | 1135 | 1775 |      |      |      |
| 33                                      |  |     | 495 | 826 | 1167 | 1830 |      |      |      |
| 34                                      |  |     | 513 | 854 | 1203 | 1884 |      |      |      |
| 35                                      |  |     | 527 | 881 | 1239 | 1943 |      |      |      |
| 36                                      |  |     | 540 | 903 | 1276 | 1998 |      |      |      |



**NOTE :**

- "X" : HORIZONTAL DISTANCE IN INCHES
- "D" : NOMINAL PIPE DIAMETER IN INCHES
- "Q" : DISCHARGE IN LPM

# FRICITION LOSS TABLE



AN ISO 9001 : 2015 COMPANY

## P.V.C. / H.D.P.E. PIPE

| VOLUME RATE OF FLOW LPM | NOMINAL PIPE OUTER DIA. IN MM |       |       |       |       |       |       |       |       |
|-------------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                         | 25                            | 32    | 40    | 50    | 65    | 80    | 100   | 125   | 150   |
|                         | FRICITION LOSS IN MTR.        |       |       |       |       |       |       |       |       |
| 30                      | 0.364                         |       |       |       |       |       |       |       |       |
| 60                      | 1.315                         | 0.341 |       |       |       |       |       |       |       |
| 75                      | 1.988                         | 0.516 | 0.246 |       |       |       |       |       |       |
| 96                      | 3.140                         | 0.814 | 0.388 |       |       |       |       |       |       |
| 120                     |                               | 1.231 | 0.587 |       |       |       |       |       |       |
| 150                     |                               | 1.861 | 0.888 | 0.282 |       |       |       |       |       |
| 192                     |                               | 2.940 | 1.402 | 0.190 | 0.126 |       |       |       |       |
| 240                     |                               |       | 2.120 | 0.288 | 0.190 |       |       |       |       |
| 300                     |                               |       | 3.205 | 0.887 | 0.288 |       |       |       |       |
| 480                     |                               |       |       | 1.038 | 0.887 | 0.313 |       |       |       |
| 600                     |                               |       |       | 1.570 | 1.038 | 0.474 | 0.131 |       |       |
| 750                     |                               |       |       | 2.479 | 1.570 | 0.716 | 0.198 |       |       |
| 960                     |                               |       |       | 3.747 | 2.479 | 1.131 | 0.312 | 0.111 |       |
| 1200                    |                               |       |       |       | 3.747 | 1.710 | 0.472 | 0.167 |       |
| 1500                    |                               |       |       |       |       | 2.585 | 0.713 | 0.253 | 0.106 |
| 1920                    |                               |       |       |       |       | 4.033 | 1.127 | 0.400 | 0.157 |
| 2400                    |                               |       |       |       |       |       | 1.704 | 0.605 | 0.252 |
| 3000                    |                               |       |       |       |       |       | 2.576 | 0.914 | 0.351 |

## GALVANIZED STEEL PIPE

| VOLUME RATE OF FLOW LPM | NOMINAL PIPE OUTER DIA. IN MM |       |       |       |       |       |       |       |       |
|-------------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                         | 40                            | 50    | 63    | 75    | 90    | 110   | 125   | 140   | 160   |
|                         | FRICITION LOSS IN MTR.        |       |       |       |       |       |       |       |       |
| 30                      | 0.074                         |       |       |       |       |       |       |       |       |
| 60                      | 0.268                         |       |       |       |       |       |       |       |       |
| 75                      | 0.405                         | 0.131 |       |       |       |       |       |       |       |
| 96                      | 0.640                         | 0.211 |       |       |       |       |       |       |       |
| 120                     | 0.967                         | 0.310 |       |       |       |       |       |       |       |
| 150                     | 1.462                         | 0.483 | 0.150 |       |       |       |       |       |       |
| 192                     | 2.309                         | 0.762 | 0.250 | 0.106 |       |       |       |       |       |
| 240                     | 3.491                         | 1.153 | 0.337 | 0.160 |       |       |       |       |       |
| 300                     |                               | 1.742 | 0.571 | 0.242 |       |       |       |       |       |
| 480                     |                               | 4.161 | 1.363 | 0.577 | 0.237 |       |       |       |       |
| 600                     |                               |       | 2.060 | 0.873 | 0.358 | 0.133 |       |       |       |
| 750                     |                               |       | 3.114 | 1.319 | 0.542 | 0.201 |       |       |       |
| 960                     |                               |       | 4.919 | 2.084 | 0.856 | 0.317 | 0.172 |       |       |
| 1200                    |                               |       |       | 3.151 | 1.293 | 0.479 | 0.260 |       |       |
| 1500                    |                               |       |       |       | 1.955 | 0.715 | 0.392 | 0.225 | 0.117 |
| 1920                    |                               |       |       |       | 3.089 | 1.145 | 0.020 | 0.355 | 0.184 |
| 2400                    |                               |       |       |       |       | 1.731 | 0.937 | 0.537 | 0.279 |
| 3000                    |                               |       |       |       |       | 2.617 | 1.416 | 0.812 | 0.421 |

**TOTAL HEAD CALCULATION**

- H1 : ACTUAL LOWERING OF PUMP IN METER
  - H2 : HORIZONTAL PIPE LINE FRICTION LOSSES ( 1% OF TOTAL LENGTH )
  - H3 : VERTICAL HEIGHT OF SLOPE (IN CASE OF SLOPE ONLY )
  - H4 : PRESSURE REQUIRED IN EACH SPRINKLER X NO. OF SPRINKLER (AVG.1 METER PER SPRINKLER )
- TOTAL HEAD H = H1+ H2 + H3+ H4

**DISCHARGE CALCULATION**

TOTAL DISCHARGE = 30 LPM X NO. OF SPRINKLER

**EXAMPLE :**

ACTUAL LOWERING (H1) = 175 FT. (53 MTR.)  
 LENGTH OF PIPE LINE (DISTANCE FROM THE LAST SPRINKLER )= 1500 FT. (455MTR.) SO THE 1% FRICTION LOSS (H2) = 5MTR.  
 H3 = 0 (IF NO SLOPE IN LINE )  
 20 NOZZLES ARE REQUIRED SO H4 = 20 MTR.  
 H= 53 +5 + 0 + 20 = 78 MTR .  
 20 SPRINKLERS ARE REQUIRED SO DISCHARGE REQUIRED Q = 30 X 20 = 600 LPM

**NOW SELECT THE PUMPSET FROM THE PERFORMANCE TABLE FOR 600 LPM AT 78 MTR.**

**CALCULATION FOR PUMP EFF. :**

$$\begin{aligned} \text{PUMP EFF.} &= \frac{\text{HEAD (M)} \times \text{DISCHARGE (LMP)}}{6120 \times \text{MOTOR H.P.}} \\ &= \frac{60 \times 500}{6120 \times 10} \\ &= 0.490 \times 100 \\ &= 49\% \end{aligned}$$

**CALCULATION FOR MOTOR H.P.**

$$\begin{aligned} \text{H.P.} &= \frac{\text{HEAD (M)} \times \text{DISCHARGE (LMP)}}{6120 \times \text{PUMP EFF.}} \\ &= \frac{60 \times 500}{6120 \times 0.49} \\ &= 10 \end{aligned}$$

HEAD = 60MTR.  
 DISCHARGE = 500LPM.  
 MOTOR = 10 H.P.

**CALCULATION FOR CURRENT**

$$\text{H.P.} = \frac{(\sqrt{3} \times \text{VOLTAGE} \times \text{CURRENT} \times \text{POWER FACTOR})}{746}$$

SO THAT ,

$$\text{CURRENT} = \frac{\text{H.P} \times 746}{(\sqrt{3} \times \text{VOLTAGE} \times \text{POWER FACTOR})}$$

**EXAMPLE :**

H.P. = 10 , VOLTAGE = 415, POWER FACTOR = 0.95 THEN

$$\text{CURRENT} = \frac{10 \times 746}{(\sqrt{3} \times 415 \times 0.95)}$$


CURRENT = 10.93 AMPERE

| HP         | W    | KW    |
|------------|------|-------|
| 1 (SI)     | 746  | 0.746 |
| 1 (METRIC) | 7.36 | 0.736 |

# Solar Pumping System



- ✦ Goods once sold will not be taken back.
- ✦ Our responsibility ceases as the goods leave our premises.
- ✦ The company is not responsible for any damage, leakage or theft during transit.
- ✦ Warranty for 12 months against any manufacturing defect.
- ✦ Warranty will not be applicable if the pump is repaired earlier by any unauthorized person.
- ✦ GST will be charged extra as per applicable at the time of dispatch.
- ✦ Payment must be done within 30 days from the date of bill, otherwise interest @ 18% per annum will be charged on the unpaid bill after 30 days.
- ✦ Supply period of material would be 7 to 10 days from the date of order.
- ✦ Prices are as per ex - factory F. O. R. Rajkot.
- ✦ All dispute are subject to rajkot jurisdiction only.
- ✦ Gaurantee will not be applicable for control panel.
- ✦ Transport charges on replacement goods must be paid by the party itself and if not, then the charge will be debited to your a/c.
- ✦ The pumps are tested on 220 volt for single phase & 415 volt for 3 phase at 50 hz.
- ✦ For continues development, the information / specification / description illustration are Subject to change without prior notice.

- ✦ Order Booking :  +91 88660 10100  
 sales@splendorpump.com
- ✦ Account Related :  +91 88660 20100  
 info@splendorpump.com
- ✦ Dispatch Related :  +91 90166 87060

## SCAN &amp; PAY



## BANK DETAIL

BANK NAME : ICICI BANK  
BRANCH : BHAKTINAGAR  
CITY : RAJKOT (GUJRAT)  
A/C. NO. 072805502838  
IFSC CODE : ICIC0000728

DIS.:

+ GST EXTRA

- ✦ कंपनी के आधिकारिक खाते के अलावा किसी अन्य खाते में किए गए भुगतान के लिए कंपनी जिम्मेदार नहीं है । केवल बैंक लेनदेन करना अनिवार्य हैं, नकद लेनदेन स्वीकार नहीं किया जाएगा ।
- ✦ Company is not responsible for payment which is done to any account other than company's official account. It is compulsory to do bank transactions only, cash transactions wouldn't be accepted.



**AN ISO 9001 : 2015 COMPANY**



***Splendor Pump LLP***

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