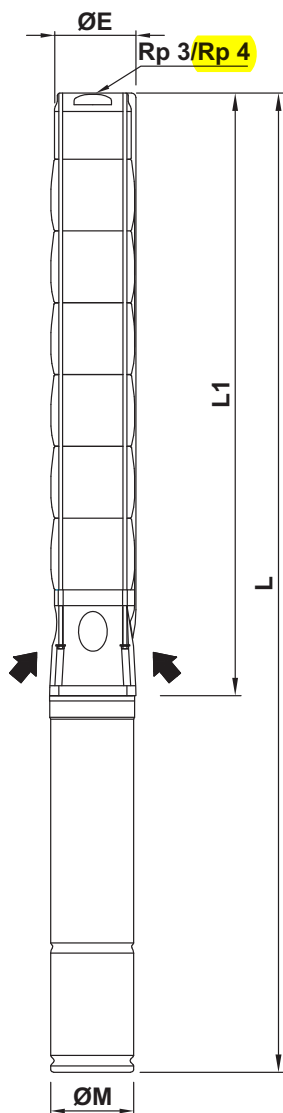


# Technical data

Mixed flow **6"** stainless steel submersible bore well pumps

**W46**



## Performance chart

| Pump type | Motor type |              | kW   | HP   | Q         | n = 2900 rpm |     |      |     |     |     |      |  |
|-----------|------------|--------------|------|------|-----------|--------------|-----|------|-----|-----|-----|------|--|
|           | Oil filled | Water filled |      |      | m³/h      | 0            | 10  | 20.2 | 30  | 40  | 50  | 60   |  |
|           |            |              |      |      | l/min     | 0            | 167 | 337  | 500 | 667 | 834 | 1000 |  |
| W46/1-B   | H4515      | L4515        | 1.10 | 1.50 | H<br>mts. | 10           | 9   | 8    | 7   | 6   | 4   | -    |  |
| W46/1     | H4530      | L4530        | 2.20 | 3.00 |           | 14           | 13  | 12   | 10  | 9   | 7   | 4    |  |
| W46/2-BB  | H4530      | L4530        | 2.20 | 3.00 |           | 19           | 18  | 17   | 15  | 12  | 8   | 2    |  |
| W46/2     | H4540      | L4540        | 3.00 | 4.00 |           | 27           | 25  | 24   | 21  | 18  | 14  | 8    |  |
| W46/3-C   | H4555      | L4555        | 4.00 | 5.50 |           | 36           | 34  | 32   | 28  | 24  | 18  | 9    |  |
| W46/3     | H4575      | L4575        | 5.50 | 7.50 |           | 41           | 40  | 36   | 32  | 28  | 23  | 15   |  |
| W46/4-C   | H4575      | L4575        | 5.50 | 7.50 |           | 49           | 47  | 44   | 39  | 34  | 26  | 15   |  |
| W46/4     | H45100     | L6510-KP     | 7.50 | 10.0 |           | 54           | 52  | 48   | 44  | 38  | 31  | 20   |  |
| W46/5     | H45100     | L6510-KP     | 7.50 | 10.0 |           | 67           | 64  | 60   | 54  | 47  | 38  | 24   |  |
| W46/6     | -          | L6512-KP     | 9.30 | 12.5 |           | 81           | 77  | 72   | 65  | 56  | 45  | 30   |  |
| W46/7     | -          | L6515-KP     | 11.0 | 15.0 |           | 94           | 90  | 84   | 76  | 66  | 53  | 35   |  |
| W46/8-C   | -          | L6515-KP     | 11.0 | 15.0 |           | 103          | 98  | 91   | 82  | 71  | 56  | 35   |  |
| W46/8     | -          | L6517-KP     | 13.0 | 17.5 | 108       | 104          | 96  | 88   | 76  | 62  | 41  |      |  |
| W46/9-C   | -          | L6517-KP     | 13.0 | 17.5 | 117       | 112          | 104 | 94   | 82  | 65  | 41  |      |  |
| W46/9     | -          | L6520-KP     | 15.0 | 20.0 | 122       | 117          | 109 | 99   | 87  | 70  | 47  |      |  |
| W46/10    | -          | L6520-KP     | 15.0 | 20.0 | 135       | 129          | 120 | 109  | 95  | 76  | 51  |      |  |
| W46/11    | -          | L6525-KP     | 18.5 | 25.0 | 149       | 143          | 133 | 122  | 107 | 86  | 58  |      |  |
| W46/12    | -          | L6525-KP     | 18.5 | 25.0 | 162       | 155          | 144 | 132  | 116 | 94  | 63  |      |  |

## Dimensions & weights of pump with Oil filled motor

| Type<br>Pump + Motor | ØM<br>[mm] | ØE<br>[mm] | Length [mm] |      |      | Gross weight [kg] |            |      | Gross volume [m³] |            |        |
|----------------------|------------|------------|-------------|------|------|-------------------|------------|------|-------------------|------------|--------|
|                      |            |            | L1          | L    |      | Pump              | Pump+Motor |      | Pump              | Pump+Motor |        |
|                      |            |            |             | 1 ~  | 3 ~  |                   | 1 ~        | 3 ~  |                   | 1 ~        | 3 ~    |
| W46/1-B + H4515      | 95         | 146        | 378         | 759  | 729  | 6.5               | 19.1       | 18.5 | 0.0269            | 0.0363     | 0.0363 |
| W46/1 + H4530        | 95         | 146        | 378         | 859  | 789  | 6.5               | 26.1       | 21.9 | 0.0269            | 0.0363     | 0.0363 |
| W46/2-BB + H4530     | 95         | 146        | 491         | 972  | 902  | 9.0               | 28.6       | 24.4 | 0.0269            | 0.0363     | 0.0363 |
| W46/2 + H4540        | 95         | 146        | 491         | -    | 972  | 9.0               | -          | 27.5 | 0.0269            | -          | 0.0363 |
| W46/3-C + H4555      | 95         | 146        | 604         | 1269 | 1219 | 12.5              | 35.0       | 33.9 | 0.0269            | 0.0416     | 0.0386 |
| W46/3 + H4575        | 95         | 146        | 604         | -    | 1309 | 12.5              | -          | 39.0 | 0.0269            | -          | 0.0416 |
| W46/4-C + H4575      | 95         | 146        | 717         | -    | 1422 | 16.0              | -          | 42.5 | 0.0269            | -          | 0.0416 |
| W46/4 + H45100       | 95         | 146        | 717         | -    | 1522 | 17.0              | -          | 48.6 | 0.0269            | -          | 0.0416 |
| W46/5 + H45100       | 95         | 146        | 830         | -    | 1635 | 19.5              | -          | 51.1 | 0.0269            | -          | 0.0416 |

## Dimensions & weights of pump with Water filled motor

| Type<br>Pump + Motor | ØM<br>[mm] | ØE<br>[mm] | Length [mm] |      |      | Gross weight [kg] |            |       | Gross volume [m³] |            |        |
|----------------------|------------|------------|-------------|------|------|-------------------|------------|-------|-------------------|------------|--------|
|                      |            |            | L1          | L    |      | Pump              | Pump+Motor |       | Pump              | Pump+Motor |        |
|                      |            |            |             | 1 ~  | 3 ~  |                   | 1 ~        | 3 ~   |                   | 1 ~        | 3 ~    |
| W46/1-B + L4515      | 95         | 146        | 378         | 889  | 899  | 6.5               | 25.6       | 26.8  | 0.0269            | 0.0363     | 0.0386 |
| W46/1 + L4530        | 95         | 146        | 378         | 1089 | 1049 | 6.5               | 32.9       | 32.0  | 0.0269            | 0.0416     | 0.0416 |
| W46/2-BB + L4530     | 95         | 146        | 491         | 1202 | 1162 | 9.0               | 35.4       | 34.5  | 0.0269            | 0.0416     | 0.0416 |
| W46/2 + L4540        | 95         | 146        | 491         | -    | 1212 | 9.0               | -          | 37.0  | 0.0269            | -          | 0.0416 |
| W46/3-C + L4555      | 95         | 146        | 604         | 1445 | 1425 | 12.5              | 42.8       | 45.9  | 0.0269            | 0.0416     | 0.0416 |
| W46/3 + L4575        | 95         | 146        | 604         | -    | 1495 | 12.5              | -          | 46.8  | 0.0269            | -          | 0.0416 |
| W46/4-C + L4575      | 95         | 146        | 717         | -    | 1608 | 16.0              | -          | 50.3  | 0.0269            | -          | 0.0416 |
| W46/4 + L6510-KP     | 142        | 148        | 733         | -    | 1491 | 17.0              | -          | 76.5  | 0.0269            | -          | 0.0519 |
| W46/5 + L6510-KP     | 142        | 148        | 846         | -    | 1604 | 19.5              | -          | 79.0  | 0.0269            | -          | 0.0519 |
| W46/6 + L6512-KP     | 142        | 148        | 959         | -    | 1757 | 23.0              | -          | 85.5  | 0.0269            | -          | 0.0579 |
| W46/7 + L6515-KP     | 142        | 148        | 1072        | -    | 1905 | 26.5              | -          | 95.3  | 0.0412            | -          | 0.0722 |
| W46/8-C + L6515-KP   | 142        | 148        | 1185        | -    | 2018 | 29.0              | -          | 97.8  | 0.0412            | -          | 0.0722 |
| W46/8 + L6517-KP     | 142        | 148        | 1185        | -    | 2048 | 29.0              | -          | 100.2 | 0.0412            | -          | 0.0722 |
| W46/9-C + L6517-KP   | 142        | 148        | 1298        | -    | 2161 | 32.5              | -          | 103.7 | 0.0412            | -          | 0.0722 |
| W46/9 + L6520-KP     | 142        | 148        | 1298        | -    | 2231 | 32.5              | -          | 111.6 | 0.0412            | -          | 0.0722 |
| W46/10 + L6520-KP    | 142        | 148        | 1411        | -    | 2344 | 36.0              | -          | 115.1 | 0.0412            | -          | 0.0722 |
| W46/11 + L6525-KP    | 142        | 148        | 1524        | -    | 2517 | 39.5              | -          | 124.7 | 0.0412            | -          | 0.0722 |
| W46/12 + L6525-KP    | 142        | 148        | 1637        | -    | 2630 | 43.0              | -          | 128.2 | 0.0515            | -          | 0.0825 |

**Note:** ØE = For single cable motor maximum diameter of pump inclusive of cable guard.  
For two cable motor maximum diameter of pump inclusive of cable guard will increase by 3 mm.

Add -T subscript to motor type for 4" Oil filled and Water filled 3 ~ motor.  
All dimensions in mm unless otherwise noted.

# Performance curves

Mixed flow **6"** stainless steel submersible bore well pumps

**W46**

