

# DL W/C



## Submersible sewage electric pumps with cutter

Cast iron submersible electric pumps with cutter, possibility to choose between different types of impeller such as: open single-channel with cutting action, open twin or semi-open non-clogging designed to prevent clogging of the pump itself. Suitable for sewage with solid and fibrous bodies available in a wide power range (up to 45 kW) and with different inlet diameters.



Possibility to use in fixed and mobile installations



Impeller two-channel open



Impeller single channel open with cutting action



Non-clogging semi-open impeller

### Technical data

|                                |   |
|--------------------------------|---|
| Max. immersion                 | 7 m   |
| Max. temperature of the liquid | 40°C  |
| Maximum length of fibres       | 195 mm (65DLW/C)<br>240 mm (80DLW/C)<br>300 mm (100DLW/C) |
| Max. solids passage            | 35 mm (65DLW/C)<br>50 mm (80DLW/C)<br>60 mm (100DLB W/C)  |
| Poles                          | 4   |
| Insulation class               | F   |
| Protection degree              | IP68  |
| Voltage                        | Three phase 380-415±10%<br>(1,5÷7,5kW)                    |

### Accessories



#### Quick discharge connection

Pag. 386 - **Quick discharge connection (QDC)**  
For DS, DVS, DML, DMLV, DL-DL W/C (with cutter)



#### Adaptors

- Pag. 386 - **Lowering slide kit 2 DN50 guide pipes**  
Adaptor for the use of lowering slide kit (QDC)
- Pag. 386 - **Flange adaptor**  
(Steel C40) JIS/DIN (DS, DVS, DL-DL W/C, DML, DMLV)
- Pag. 386 - **Hook guide**  
Adaptor (guide pipe) and flange for adaptor

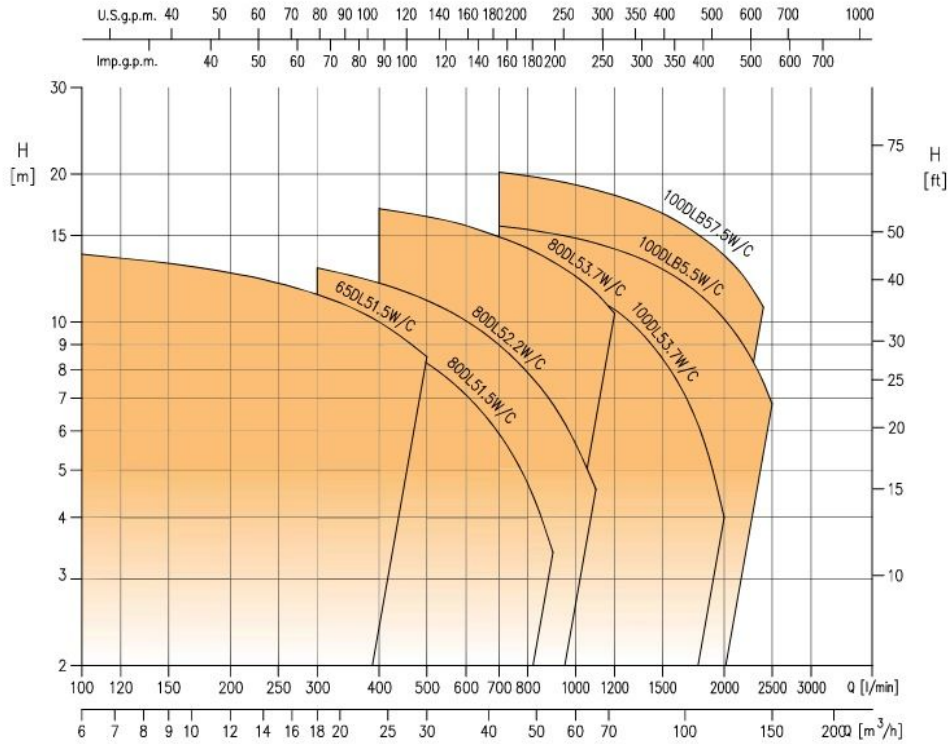
### Materials

|                 |  |
|-----------------|--|
| Pump body       | Cast iron  |
| Impeller        | Cast iron  |
| Shaft           | AISI 403   |
| Mechanical seal | Impeller side: SiC/SiC/NBR<br>Motor side: Carbon/Ceramic/NBR |

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### DL W/C Selection table

| Model            | HP  | KW  | Q=Flow rate   |          |           |           |           |           |           |           |            |            |            |            |            |             |             |             |
|------------------|-----|-----|---------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|
|                  |     |     | l/min<br>m³/h | 100<br>6 | 250<br>15 | 300<br>18 | 400<br>24 | 500<br>30 | 700<br>42 | 900<br>54 | 1000<br>60 | 1100<br>66 | 1200<br>72 | 1400<br>84 | 1600<br>96 | 2000<br>120 | 2400<br>144 | 2500<br>150 |
| H=Total head [m] |     |     |               |          |           |           |           |           |           |           |            |            |            |            |            |             |             |             |
| 65DL51.5 W/C     | 2   | 1,5 |               | 13,7     | 12,0      | 11,4      | 10,0      | 8,5       | -         | -         | -          | -          | -          | -          | -          | -           | -           |             |
| 80DL51.5 W/C     | 2   | 1,5 |               | -        | 10,7      | 10,3      | 9,3       | 8,2       | 5,9       | 3,4       | -          | -          | -          | -          | -          | -           | -           |             |
| 80DL52.2 W/C     | 3   | 2,2 |               | -        | -         | 12,9      | 12,0      | 11,1      | 9,0       | 6,8       | 5,7        | 4,6        | -          | -          | -          | -           | -           |             |
| 80DL53.7 W/C     | 5   | 3,7 |               | -        | -         | -         | 17,0      | 16,4      | 14,9      | 13,4      | 12,6       | 11,6       | 10,4       | -          | -          | -           | -           |             |
| 100DL53.7 W/C    | 5   | 3,7 |               | -        | -         | -         | -         | 14,1      | 13,1      | 12,2      | 11,7       | 11,2       | 10,6       | 9,2        | 7,6        | 4,0         | -           |             |
| 100DLB5.5 W/C    | 7,5 | 5,5 |               | -        | -         | -         | -         | -         | 15,7      | 15,1      | 14,8       | 14,5       | 14,1       | 13,3       | 12,3       | 10,1        | 7,5         | 6,8         |
| 100DLB57.5 W/C   | 10  | 7,5 |               | -        | -         | -         | -         | -         | 20,2      | 19,4      | 19,0       | 18,6       | 18,1       | 17,2       | 16,1       | 13,7        | 10,7        | -           |

### Three phase 380-400-415V

| Model          | Code       | HP  | kW  | rpm  | Abs. Curr. [A] |      |      | Passage [mm] | DNM | Weight [kg] |
|----------------|------------|-----|-----|------|----------------|------|------|--------------|-----|-------------|
|                |            |     |     |      | 380V           | 400V | 415V |              |     |             |
| 65DL51.5 W/C   | 1545500047 | 2   | 1,5 | 1450 | 4,1            | 3,9  | 4,1  | 46           | 65  | 52          |
| 80DL51.5 W/C   | 1545500048 | 2   | 1,5 | 1450 | 4,1            | 3,9  | 4,1  | 46           | 80  | 55          |
| 80DL52.2 W/C   | 1545500049 | 3   | 2,2 | 1450 | 5,7            | 5,2  | 5,2  | 46           | 80  | 67          |
| 80DL53.7 W/C   | 1545500050 | 5   | 3,7 | 1450 | 8,4            | 8,3  | 7,6  | 46           | 80  | 75          |
| 100DL53.7 W/C  | 1545500051 | 5   | 3,7 | 1450 | 11,7           | 11,3 | 10,7 | 57           | 100 | 79          |
| 100DLB5.5 W/C  | 1545500052 | 7,5 | 5,5 | 1450 | 16,4           | 15,5 | 14,8 | 57           | 100 | 123         |
| 100DLB57.5 W/C | 1545500053 | 10  | 7,5 | 1450 | 11,7           | 11,3 | 10,7 | 57           | 100 | 141         |