

DVS



Submersible electric pumps with semi-vortex impeller

Submersible electric pumps with cast iron semi-vortex impeller. The semi-vortex impeller pumps foreign bodies up to 70% of the diameter of the delivery mouth, while ensuring easy of maintenance. The constructive type of the impeller makes them particularly suitable for use with soiled waters and also for heavy-duty uses in residential and industrial applications.



Possibility to use in fixed and mobile installations



semi vortex anti-blockage impeller

Materials

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

Technical data

| | |
|--------------------------------|---|
| Max. immersion | 7 m |
| Max. temperature of the liquid | 40°C |
| Maximum length of fibres | 100 mm (50DVS) 200 mm (65DVS and 80DVS 1,5kW) 245 mm (65DVS and 80DVS 2,2-3,7 kW) |
| Max. solids passage | 21 mm (50DVS) 33 mm (65DVS and 80DVS 1,5kW) 41 mm (65DVS and 80DVS 2,2-3,7 kW) |
| Poles | 2 |
| Insulation class | F |
| Protection degree | IP68 |
| Voltage | Three phase 380-415±10% |

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

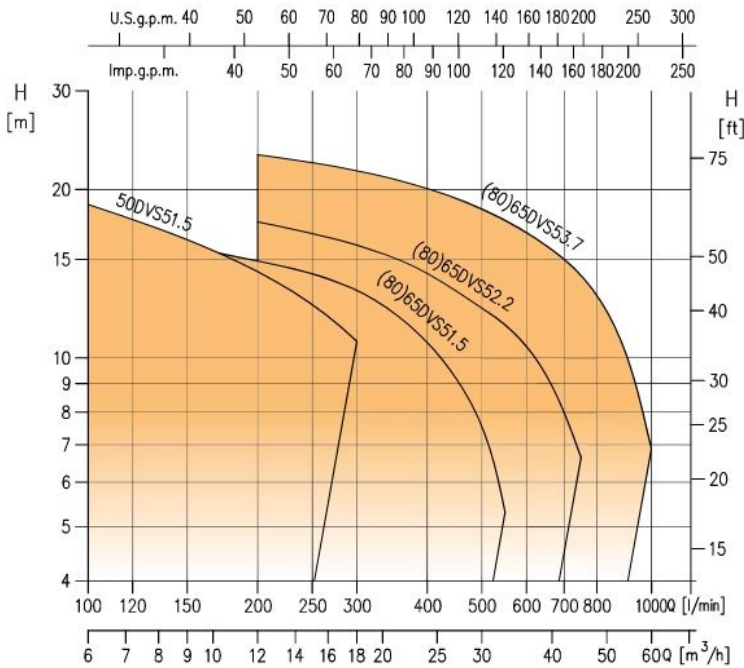


Various accessories

Pag. 387 - **DMLF-DMLVF-DSF-DRD-DRS Accessories**
- QDC - Quick discharge connection
- Elbow for discharge
- Tripod
- Threaded flange

DVS

Submersible electric pumps with semi-vortex impeller



Selection table

| Model | HP | kW | Q=Flow rate | | | | | | | | | | | | | |
|-------------|----|-----|------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|---|
| | | | l/min m³/h | 100 6 | 150 9 | 200 12 | 300 18 | 400 24 | 500 30 | 550 33 | 600 36 | 700 42 | 750 45 | 900 54 | 1000 60 | |
| | | | H=Total head [m] | | | | | | | | | | | | | |
| 50DVS51.5-3 | 2 | 1,5 | | 18,8 | 16,6 | 14,3 | 10,7 | - | - | - | - | - | - | - | - | - |
| 65DVS51.5-3 | 2 | 1,5 | | - | 15,8 | 14,9 | 13,2 | 10,9 | 7,6 | 5,3 | - | - | - | - | - | - |
| 65DVS52.2-3 | 3 | 2,2 | | - | - | 17,5 | 15,9 | 14,2 | 12,3 | 11,5 | 10,5 | 8,1 | 6,6 | - | - | |
| 65DVS53.7-3 | 5 | 3,7 | | - | - | 23,0 | 21,6 | 20,1 | 18,4 | 17,6 | 16,7 | 15,0 | 14,0 | 10,4 | 6,9 | |
| 80DVS51.5-3 | 2 | 1,5 | | - | 15,8 | 14,9 | 13,2 | 10,9 | 7,6 | 5,3 | - | - | - | - | - | |
| 80DVS52.2-3 | 3 | 2,2 | | - | - | 17,5 | 15,9 | 14,2 | 12,3 | 11,5 | 10,5 | 8,1 | 6,6 | - | - | |
| 80DVS53.7-3 | 5 | 3,7 | | - | - | 23,0 | 21,6 | 20,1 | 18,4 | 17,6 | 16,7 | 15,0 | 14,0 | 10,4 | 6,9 | |

Three phase 380-415V

| Model | Code | HP | kW | Q=Flow rate | | | | | | rpm | Abs. Curr. [A] | | | Passage [mm] | DNM | Weight [kg] | |
|-------------|------------|----|------------------|-------------|------|------|------|------|------|-----|----------------|------|------|--------------|-----|-------------|------|
| | | | | l/min | 100 | 200 | 400 | 550 | 700 | | 1000 | 380V | 400V | | | | 415V |
| | | | | m³/h | 6 | 12 | 24 | 33 | 42 | | 60 | | | | | | |
| | | | H=Total head [m] | | | | | | | | | | | | | | |
| 50DVS51.5-3 | 1545500062 | 2 | 1,5 | | 18,8 | 14,3 | - | - | - | - | 2800 | 3,7 | 3,3 | 5,1 | 21 | 50 | 27,0 |
| 65DVS51.5-3 | 1545500063 | 2 | 1,5 | | - | 14,9 | 10,9 | 5,3 | - | - | 2800 | 3,7 | 3,3 | 5,1 | 33 | 65 | 34,0 |
| 65DVS52.2-3 | 1545500065 | 3 | 2,2 | | - | 17,5 | 14,2 | 11,5 | 8,1 | - | 2800 | 5,1 | 5 | 4,6 | 41 | 65 | 50,0 |
| 65DVS53.7-3 | 1545500067 | 5 | 3,7 | | - | 23,0 | 20,1 | 17,6 | 15,0 | 6,9 | 2800 | 8,8 | 7,8 | 7,8 | 41 | 65 | 59,0 |
| 80DVS51.5-3 | 1545500064 | 2 | 1,5 | | - | 14,9 | 10,9 | 5,3 | - | - | 2800 | 3,7 | 3,3 | 5,1 | 33 | 80 | 35,0 |
| 80DVS52.2-3 | 1545500066 | 3 | 2,2 | | - | 17,5 | 14,2 | 11,5 | 8,1 | - | 2800 | 5,1 | 5 | 4,6 | 41 | 80 | 51,0 |
| 80DVS53.7-3 | 1545500068 | 5 | 3,7 | | - | 23,0 | 20,1 | 17,6 | 15,0 | 6,9 | 2800 | 8,8 | 7,8 | 7,8 | 41 | 80 | 60,0 |

DVS