



Submersible Sewage Pumps (Multi-Channel) *in cast iron* _____ *Type DRD*

Submersible sewage pumps with multi-channel impeller

APPLICATIONS

- Moving sewage, foul liquids in general
- Emptying seepage water
- Emptying cesspits
- Draining excavations

TECHNICAL DATA

- Maximum temperature of the liquid: 40°C
- Max. solids size for passage: 30÷140mm
- Three phase asynchronous motor
- Versions available: 2, 4, 6, 8 poles
- Class of insulation H
- IP 68 protection rating
- 400V 50Hz three phase voltage
- Flange DN65, DN80, DN100, DN150, DN200, DN250, DN300
- Power up to 79.5 kW

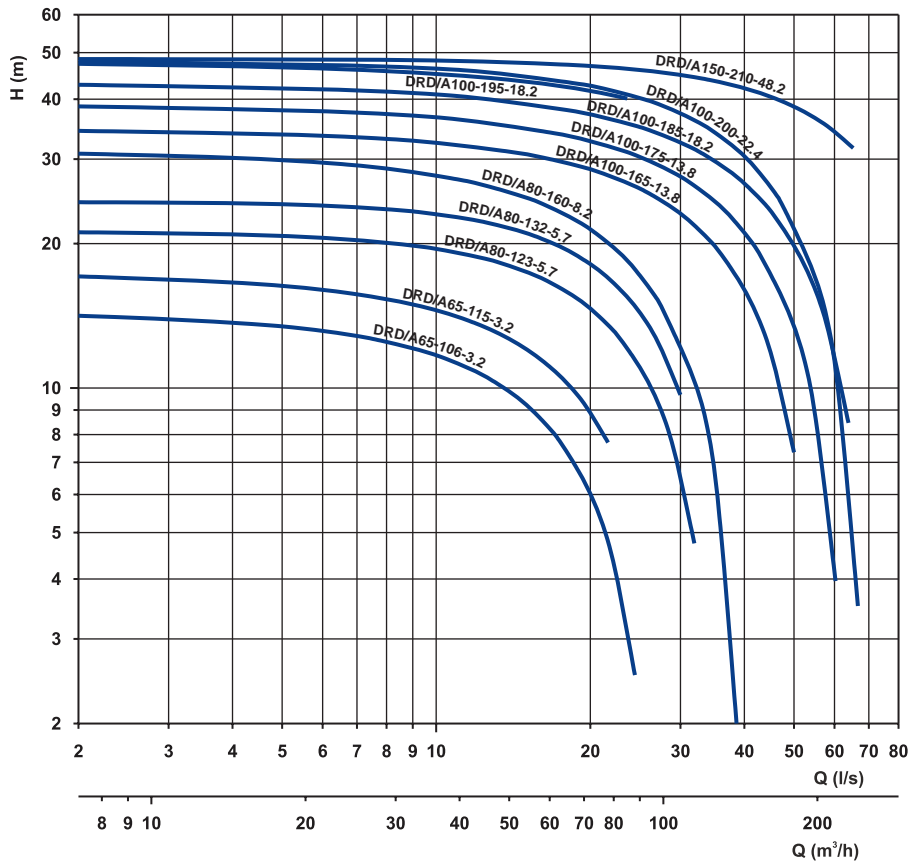
MATERIALS

- Pump body, double, three channel impeller, motor pump body, volute base, upper cover in cast iron
- Shaft in AISI 420B
- Mechanical seal: SiC/SiC/NBR (pump side)
Carbon/Ceramic/NBR (motor side)

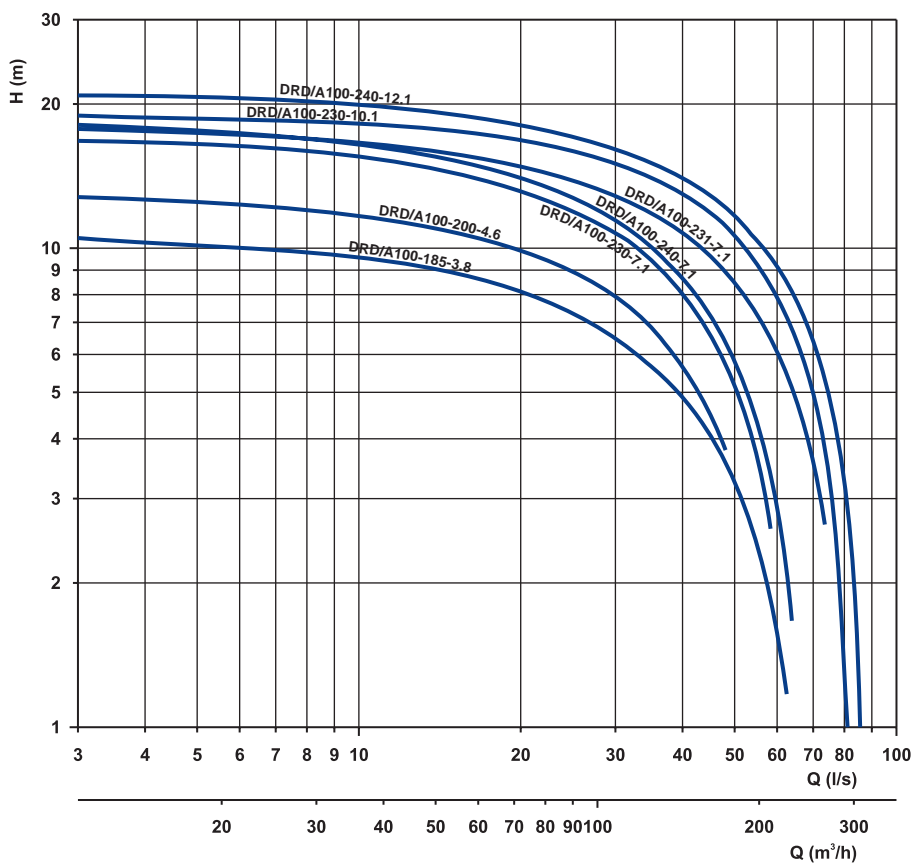


PERFORMANCE CURVE

Submersible Electric Pumps with Channels 2 Poles



Submersible Electric Pumps with Channels 4 Poles



PERFORMANCE TABLE

DRD Pumps With Multi-channel Impeller

Three phase 400/690V - 50 Hz

| Model | Speed | kW | Absorbed Curr. [A] | | Discharge DN | Passage [mm] | Weight [kg] | Performance | |
|------------------------|-------|------|--------------------|------|--------------|--------------|-------------|-------------------|----------------|
| | | | 400V | 690V | | | | Q [m³/h] | H [m] |
| DRD/A 65-106-3.2 (*) | 2850 | 3.2 | 6.5 | - | 65 | 30 | 61.0 | 10.0÷50.0÷80.0 | 14.0÷10.0÷4.0 |
| DRD/A 65-115-3.2 (*) | 2850 | 3.2 | 6.5 | - | 65 | 30 | 61.0 | 12.0÷40.0÷72.0 | 17.0÷14.0÷9.0 |
| DRD/A 80-123-5.7 (*) | 2850 | 5.7 | - | 12.5 | 80 | 30 | 77.0 | 17.0÷68.0÷104.0 | 21.0÷16.0÷7.0 |
| DRD/A 80-132-5.7 (*) | 2850 | 5.7 | - | 12.5 | 80 | 30 | 77.0 | 18.0÷70.0÷100.0 | 24.0÷18.0÷11.0 |
| DRD/A 80-160-8.2 (*) | 2850 | 8.2 | - | 15.5 | 80 | 30 | 150.0 | 20.0÷80.0÷125.0 | 29.0÷20.0÷7.0 |
| DRD/A 100-240-2.3 (*) | 950 | 2.3 | 6 | - | 100 | 80 | 96.0 | 28.0÷92.0÷140.0 | 7.0÷5.0÷2.5 |
| DRD/A 100-240-2.8 (*) | 950 | 2.8 | - | 6.6 | 100 | 80 | 111.0 | 29.0÷100.0÷180.0 | 7.8÷5.0÷2.0 |
| DRD/A 100-185-3.8 (*) | 1450 | 3.8 | - | 8 | 100 | 80 | 110.0 | 30.0÷110.0÷210.0 | 9.5÷7.0÷2.0 |
| DRD/A 100-200-4.6 (*) | 1450 | 4.6 | - | 9.5 | 100 | 80 | 110.0 | 29.0÷108.0÷108.0 | 12.0÷8.0÷3.0 |
| DRD/A 100-230-7.1 (*) | 1450 | 7.1 | - | 13.5 | 100 | 60 | 160.0 | 30.0÷108.0÷180.0 | 16.0÷11.0÷5.0 |
| DRD/A 100-231-7.1 (*) | 1450 | 7.1 | - | 13.5 | 100 | 80 | 160.0 | 25.0÷130.0÷230.0 | 17.0÷12.0÷5.0 |
| DRD/A 100-240-7.1 (*) | 1450 | 7.1 | - | 13.5 | 100 | 60 | 160.0 | 24.0÷110.0÷200.0 | 16.5÷11.0÷4.0 |
| DRD/A 100-230-10.1 (*) | 1450 | 10.1 | - | 22 | 100 | 80 | 200.0 | 29.0÷144.0÷252.0 | 18.5÷13.0÷5.0 |
| DRD/A 100-240-12.1 (*) | 1450 | 12.1 | - | 27 | 100 | 80 | 200.0 | 32.0÷150.0÷270.0 | 20.0÷13.0÷4.0 |
| DRD/A 100-165-13.8 (*) | 2850 | 13.8 | - | 29.5 | 100 | 40 | 200.0 | 30.0÷107.0÷165.0 | 33.0÷23.0÷12.0 |
| DRD/A 100-175-13.8 (*) | 2850 | 13.8 | - | 29.5 | 100 | 40 | 200.0 | 29.0÷126.0÷200.0 | 37.0÷25.0÷8.0 |
| DRD/A 100-185-18.2 (*) | 2850 | 18.2 | - | 34 | 100 | 40 | 200.0 | 32.0÷137.0÷216.0 | 41.0÷26.0÷12.0 |
| DRD/A 100-195-18.2 (*) | 2850 | 18.2 | - | 34 | 100 | 40 | 200.0 | 30.0÷60.0÷82.0 | 46.0÷43.0÷40.0 |
| DRD/A 100-200-22.4 (*) | 2850 | 22.4 | - | 40.1 | 100 | 40 | 340.0 | 30.0÷140.0÷220.0 | 47.0÷32.0÷11.0 |
| DRD/A 150-275-5.2 (*) | 950 | 5.2 | - | 12.5 | 150 | 80 | 186.0 | 65.0÷170.0÷300.0 | 11.0÷7.0÷3.0 |
| DRD/A 150-285-6.4 (*) | 950 | 6.4 | - | 16 | 150 | 80 | 215.0 | 64.0÷187.0÷324.0 | 11.0÷7.5÷3.0 |
| DRD/A 150-380-79.5 (*) | 1450 | 79.5 | - | 135 | 150 | 60 | 900.0 | 70.0÷290.0÷480.0 | 51.0÷46.0÷35.0 |
| DRD/A 150-300-16 (*) | 950 | 16 | - | 34.2 | 150 | 100 | 450.0 | 61.0÷210.0÷360.0 | 13.5÷10.0÷4.0 |
| DRD/A 150-320-16 (*) | 950 | 16 | - | 34.2 | 150 | 100 | 450.0 | 61.0÷200.0÷410.0 | 16.0÷12.0÷4.5 |
| DRD/A 150-260-21 (*) | 1450 | 21 | - | 43.1 | 150 | 100 | 450.0 | 70.0÷260.0÷420.0 | 22.0÷15.0÷5.0 |
| DRD/A 150-275-27 (*) | 1450 | 27 | - | 52.2 | 150 | 100 | 450.0 | 70.0÷270.0÷440.0 | 24.0÷17.0÷7.0 |
| DRD/A 150-290-27 (*) | 1450 | 27 | - | 52.2 | 150 | 100 | 450.0 | 50.0÷270.0÷430.0 | 27.0÷21.0÷11.0 |
| DRD/A 150-300-27 (*) | 1450 | 27 | - | 52.2 | 150 | 80 | 450.0 | 70.0÷290.0÷440.0 | 28.0÷20.0÷10.0 |
| DRD/A 150-290-35.7 (*) | 1450 | 35.7 | - | 65.5 | 150 | 100 | 515.0 | 72.0÷288.0÷504.0 | 30.0÷22.0÷7.0 |
| DRD/A 150-305-35.7 (*) | 1450 | 35.7 | - | 65.5 | 150 | 100 | 515.0 | 60.0÷288.0÷500.0 | 32.0÷25.0÷12.0 |
| DRD/A 150-310-35.7 (*) | 1450 | 35.7 | - | 65.5 | 150 | 80 | 515.0 | 100.0÷300.0÷500.0 | 29.0÷22.0÷6.0 |
| DRD/A 150-320-35.7 (*) | 1450 | 35.7 | - | 65.5 | 150 | 80 | 515.0 | 70.0÷200.0÷300.0 | 34.0÷28.0÷23.0 |
| DRD/A 150-210-48.2 (*) | 2850 | 48.2 | - | 86.5 | 150 | 50 | 495.0 | 60.0÷160.0÷230.0 | 47.0÷40.0÷32.0 |
| DRD/A 150-345-52.1 (*) | 1450 | 52.1 | - | 92.5 | 150 | 60 | 745.0 | 65.0÷250.0÷360.0 | 42.0÷37.0÷31.0 |
| DRD/A 150-360-79.5 (*) | 1450 | 79.5 | - | 135 | 150 | 60 | 900.0 | 72.0÷360.0÷576.0 | 44.0÷36.0÷15.0 |
| DRD/A 150-380-79.5 (*) | 1450 | 79.5 | - | 135 | 150 | 60 | 900.0 | 70.0÷290.0÷480.0 | 51.0÷46.0÷35.0 |
| DRD/A 150-400-79.5 (*) | 14507 | 9.5 | - | 135 | 150 | 60 | 900.0 | 70.0÷216.0÷380.0 | 57.0÷54.0÷47.0 |
| DRD/A 200-341-8.6 (*) | 750 | 8.6 | - | 22 | 200 | 102 | 414.0 | 108.0÷252.0÷396.0 | 8.0÷6.0÷3.0 |
| DRD/A 200-335-13.7 (*) | 750 | 13.7 | - | 29.5 | 200 | 102 | 460.0 | 108.0÷324.0÷504.0 | 8.3÷5.6÷3.2 |
| DRD/A 200-345-13.7 (*) | 750 | 13.7 | - | 29.5 | 200 | 102 | 460.0 | 108.0÷324.0÷576.0 | 9.0÷6.8÷2.8 |
| DRD/A 200-300-16 (*) | 950 | 16 | - | 34.2 | 200 | 102 | 460.0 | 120.0÷320.0÷500.0 | 13.0÷7.0÷2.5 |
| DRD/A 200-305-16 (*) | 950 | 16 | - | 34.2 | 200 | 102 | 460.0 | 110.0÷400.0÷660.0 | 12.0÷8.5÷3.0 |
| DRD/A 200-320-16 (*) | 950 | 16 | - | 34.2 | 200 | 102 | 460.0 | 100.0÷340.0÷500.0 | 12.5÷8.5÷4.0 |
| DRD/A 200-341-16 (*) | 950 | 16 | - | 34.2 | 200 | 102 | 460.0 | 100.0÷360.0÷520.0 | 14.5÷9.0÷5.0 |
| DRD/A 200-320-19.8 (*) | 950 | 19.8 | - | 37 | 200 | 102 | 460.0 | 108.0÷414.0÷720.0 | 14.0÷10.0÷3.0 |
| DRD/A 200-341-23.4 (*) | 950 | 23.4 | - | 43 | 200 | 102 | 460.0 | 108.0÷432.0÷792.0 | 16.0÷11.0÷3.0 |
| DRD/A 200-315-46 (*) | 1450 | 46 | - | 83.5 | 200 | 102 | 665.0 | 108.0÷468.0÷720.0 | 27.0÷17.0÷7.0 |
| DRD/A 200-330-52.1 (*) | 1450 | 52.1 | - | 92.5 | 200 | 102 | 665.0 | 120.0÷525.0÷840.0 | 32.0÷20.0÷6.0 |
| DRD/A 200-341-52.1 (*) | 1450 | 52.1 | - | 92.5 | 200 | 102 | 665.0 | 100.0÷540.0÷900.0 | 35.0÷21.0÷7.0 |

(*) Tripod or lowering device necessary

PERFORMANCE TABLE
DRD Pumps With Multi-channel Impeller

Three phase 400/690V - 50 Hz

| Model | Speed | kW | Absorbed Curr. [A] | | Discharge DN | Passage [mm] | Weight [kg] | Performance | |
|------------------------|-------|------|--------------------|------|--------------|--------------|-------------|-----------------------|----------------|
| | | | 400V | 690V | | | | Q [m ³ /h] | H [m] |
| DRD/A 250-325-13.7 (*) | 750 | 13.7 | - | 29.5 | 250 | 105 | 530.0 | 180.0÷396.0÷648.0 | 7.5÷5.5÷2.8 |
| DRD/A 250-370-17.1 (*) | 750 | 17.1 | - | 34 | 250 | 105 | 530.0 | 180.0÷450.0÷756.0 | 10.0÷7.8÷3.0 |
| DRD/A 250-238-21 (*) | 1450 | 21 | - | 43.1 | 250 | 73 | 440.0 | 180.0÷540.0÷820.0 | 11.0÷6.0÷2.0 |
| DRD/A 250-390-21.8 (*) | 750 | 21.8 | - | 47.5 | 250 | 105 | 550.0 | 180.0÷540.0÷900.0 | 12.0÷6.8÷3.0 |
| DRD/A 250-325-23.4 (*) | 950 | 23.4 | - | 43 | 250 | 105 | 510.0 | 180.0÷540.0÷900.0 | 14.0÷10.0÷3.0 |
| DRD/A 250-350-29 (*) | 950 | 29 | - | 57 | 250 | 105 | 590.0 | 180.0÷594.0÷972.0 | 16.5÷12.0÷4.0 |
| DRD/A 250-375-40 (*) | 950 | 40 | - | 80 | 250 | 105 | 750.0 | 180.0÷648.0÷1.080.0 | 18.5÷13.0÷4.0 |
| DRD/A 250-390-40 (*) | 950 | 40 | - | 80 | 250 | 105 | 750.0 | 180.0÷648.0÷1.152.0 | 20.0÷14.0÷5.0 |
| DRD/A 250-345-77.2 (*) | 1450 | 77.2 | - | 135 | 250 | 105 | 914.0 | 180.0÷684.0÷1.080.0 | 34.0÷22.0÷7.0 |
| DRD/A 250-360-77.2 (*) | 1450 | 77.2 | - | 135 | 250 | 105 | 914.0 | 180.0÷720.0÷1.260.0 | 37.0÷25.0÷5.0 |
| DRD/A 250-375-79.5 (*) | 1450 | 79.5 | - | 135 | 250 | 105 | 914.0 | 180.0÷756.0÷1.200.0 | 40.0÷26.0÷10.0 |
| DRD/A 250-390-79.5 (*) | 1450 | 79.5 | - | 135 | 250 | 105 | 914.0 | 180.0÷810.0÷1.260.0 | 44.0÷27.0÷10.0 |
| DRD/A 300-386-21.7 (*) | 750 | 21.7 | - | 50 | 300 | 50X140 | 1024.0 | 252.0÷756.0÷1.260.0 | 10.5÷6.5÷2.7 |
| DRD/A 300-412-26.7 (*) | 750 | 26.7 | - | 59 | 300 | 50X140 | 1024.0 | 252.0÷900.0÷1.440.0 | 12.5÷7.5÷3.0 |
| DRD/A 300-350-32 (*) | 950 | 32 | - | 60.5 | 300 | 50X140 | 1042.0 | 252.0÷900.0÷1.368.0 | 14.5÷8.0÷3.0 |
| DRD/A 300-376-40 (*) | 950 | 40 | - | 80 | 300 | 50X140 | 1042.0 | 252.0÷972.0÷1.512.0 | 17.0÷9.0÷3.8 |
| DRD/A 300-403-55.8 (*) | 950 | 55.8 | - | 108 | 300 | 50X140 | 1230.0 | 234.0÷990.0÷1.800.0 | 20.5÷12.5÷4.5 |
| DRD/A 300-412-55.8 (*) | 950 | 55.8 | - | 108 | 300 | 50X140 | 1230.0 | 252.0÷1.152.0÷1.656.0 | 23.0÷14.0÷7.5 |

(*) Tripod or lowering device necessary

* Dimensional details are provided for reference only.

* All specifications are subject to change without prior notice.



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