



JMI - Simavis

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JPDR SERIES 50HZ

Submersible Dewatering Pump



JPDR

SERIES 50HZ

Submersible Dewatering Pump

Feature

- / Circumferential cooling ensuring long life operation with high efficiency
- / Dry motor design with thermal auto-cut with water-cut cable –
Good protection of motor from over-heating and water invasion through cable
- / Ni Chrome Steel impeller for abrasive liquids
- / It can be used on land by replacing the strainer and base plate with a check valve.
- / Double Mechanical seal and oil seal to ensure long life operation

Application

- / Agriculture industry: irrigation and underground water
- / Aquaculture industry: drainage and water supply of fresh water
- / Extraction of water from rivers, lakes and reservoirs.
- / Landscape use and horticulture irrigation related operation.

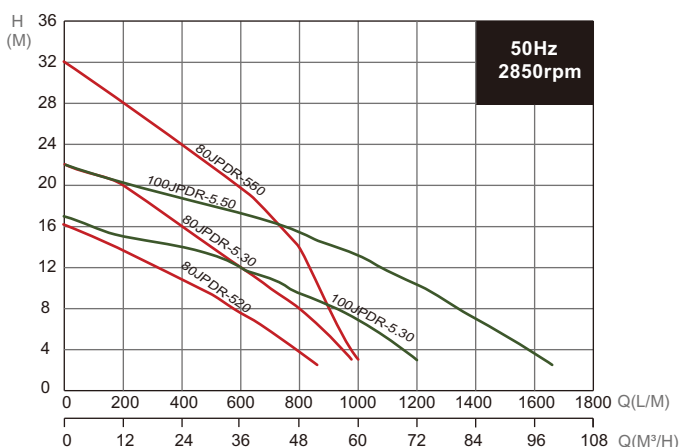
Specifications

Liquid Temperature		0~40°C (32~104°F)
Submersible depth		10M
Motor Part	Frequency	50Hz
	Pole	2 Pole
	Type	Dry Type
	Insulation	Class B (2&3HP)/E (5HP)
	Protection	IP 68
Pump Part	Protector	Auto-Cut
	Bearing	Ball Type
	Mechanical seal	Dual. Mechanical Seal
	Impeller	Closed Type



JPDR

Performance Curve



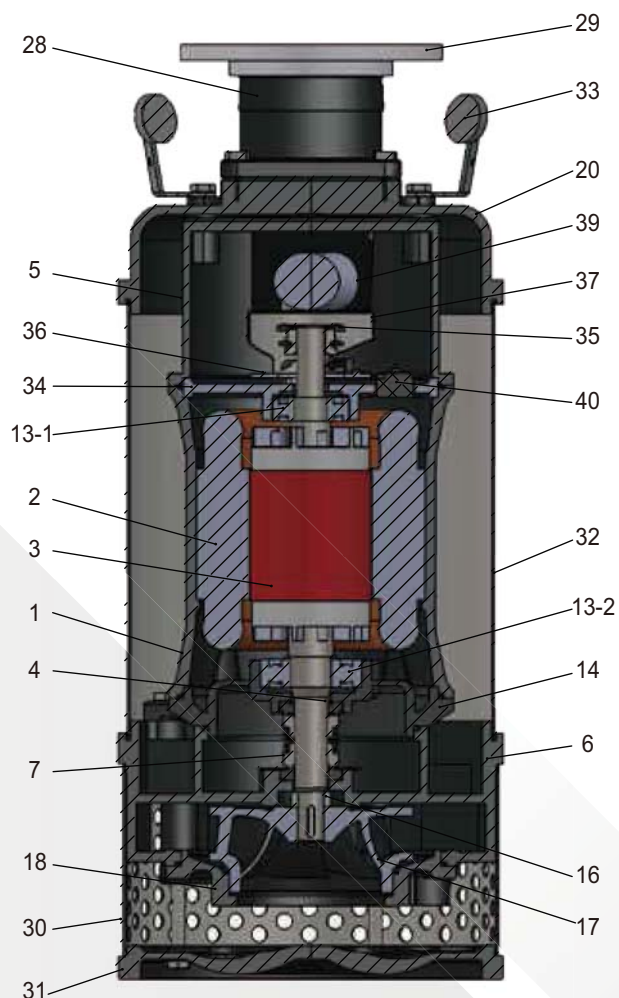
HIGH EFFICIENCY
CLOSED TYPE IMPELLER



CHROMIUM NICKEL MATERIAL
GOOD AGAINST CORROSION

Parts and Material List

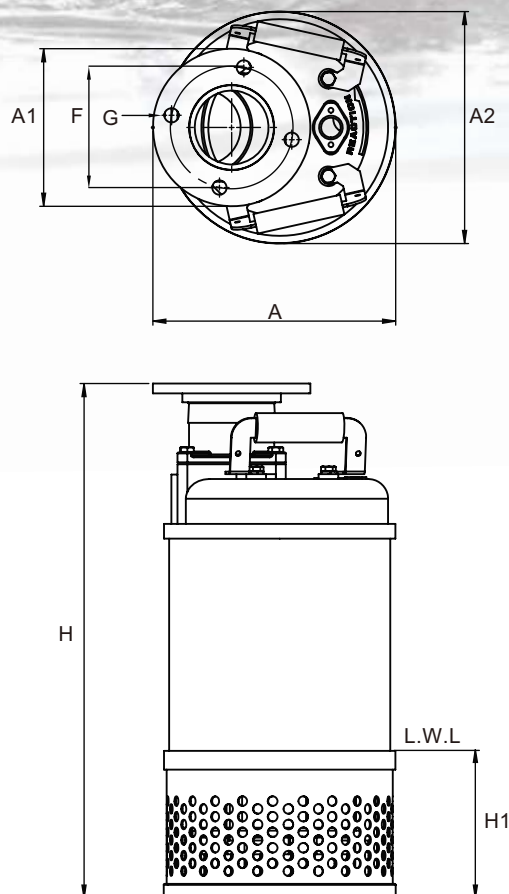
Part No.	Part	Material
1	Motor Housing	EN-GJL-200
2	Stator	
3&4	Shaft with Rotor	SUS 304
5	Motor Cover	EN-GJL-200
6	Pump Casing	EN-GJL-200
7	Mech. Seal	Upper: CA/CE
	(EKK Burgmann)	Lower: SIC/SIC
13-1	Upper Bearing	
13-2	Lower Bearing	
14	Bottom Bearing Bracket	EN-GJL-200
16	Shaft Sleeve	SUS 304
17	Impeller	Ni Chrome Steel
18	Inlet Plate	EN-GJL-200
20	Upper Cover	EN-GJL-200
28	Discharge	EN-GJL-200
29	Flange	EN-GJL-200
30	Strainer	SUS 304
31	Base Plate	EN-GJL-200
32	Outer Case	SUS 304
33	Handle	SC+PVC
34	Bracket	EN-GJL-200
35&36	Centrifugal Switch	
37	Centrifugal Switch Cover	STEEL
39	Capacitor	
40	Klixon Thermal Protector	



Data Chart

Type	Output		Discharge	F.L.A.		Rated		Maximum		Cable	Free Passage	Weight
	HP	KW	Inch	1ø 230V	3ø 400V	Head m	Cap. LPM	Head m	Cap. LPM	M	mm	kg
80JPDR-5.20	2	1.5	3"	11	3.8	9.5	500	16.2	860	10	10	47
80JPDR-5.30	3	2.2	3"	15	5.3	14	500	22	980	10	10	48(1PH)/47(3PH)
100JPDR-5.30	3	2.2	4"	15	5.3	9.5	800	17	1200	10	10	48(1PH)/47(3PH)
80JPDR-5.50	5	3.7	3"	-	8.5	21.5	500	32	980	10	10	51
100JPDR-5.50	5	3.7	4"	-	8.5	12.5	1000	22	1680	10	10	51

JPDR-Series Dimensions



Dimensions (mm)							
Type	A	A1	A2	H	H1	F	G
80JPDR-5.20S	247	160	235	568	209	125	14.5
80JPDR-5.20T	247	160	235	523	187	125	14.5
80JPDR-5.30S	260	185	235	568	209	150	14.5
80JPDR-5.30T	260	185	235	523	187	150	14.5
100JPDR-5.30S	260	185	235	568	209	150	14.5
100JPDR-5.30T	260	185	235	523	187	150	14.5
80JPDR-5.50T	260	185	235	548	187	150	14.5
100JPDR-5.50T	260	185	235	548	187	150	14.5



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