



# 5DW

## Applications

- For water supply from wells or reservoirs
- For domestic use, for civil and industrial applications
- For garden use and irrigation

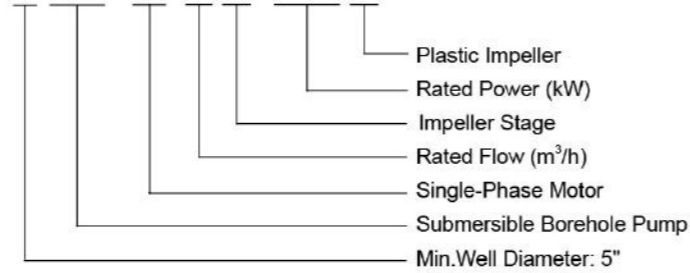
## Operating conditions

- Maximum fluid temperature up to +35°C
- Minimum immersion: 100 mm
- Maximum immersion: 20 m
- Minimum well diameter: 5"

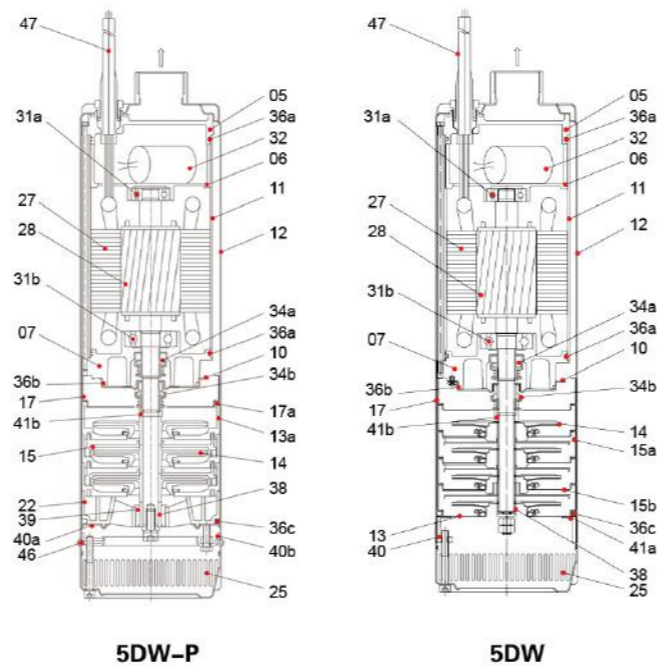
## Motor and Pump

- Rewindable motor
- **Single-Phase:** 220 - 240V/50Hz
- **Three-Phase:** 380 - 415V/50Hz
- Cable length: 15 m
- Insulation class: F
- Protection class: IP68

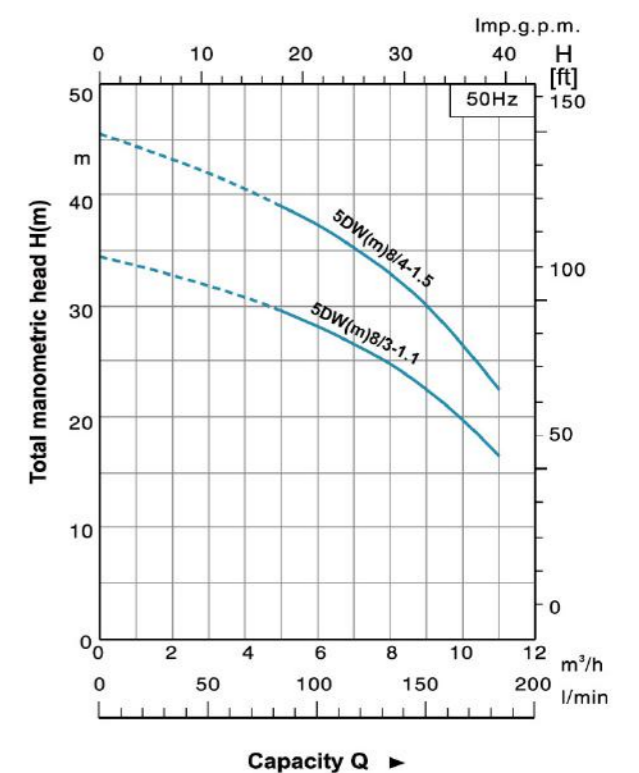
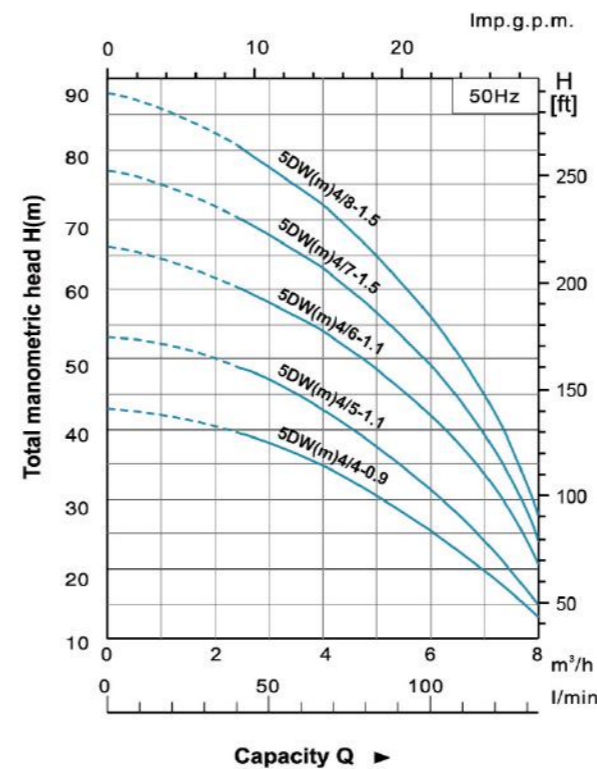
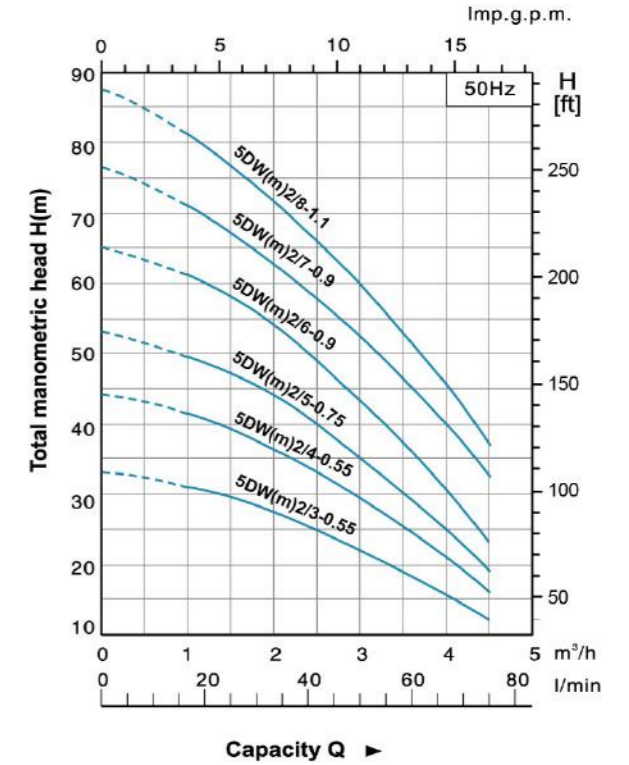
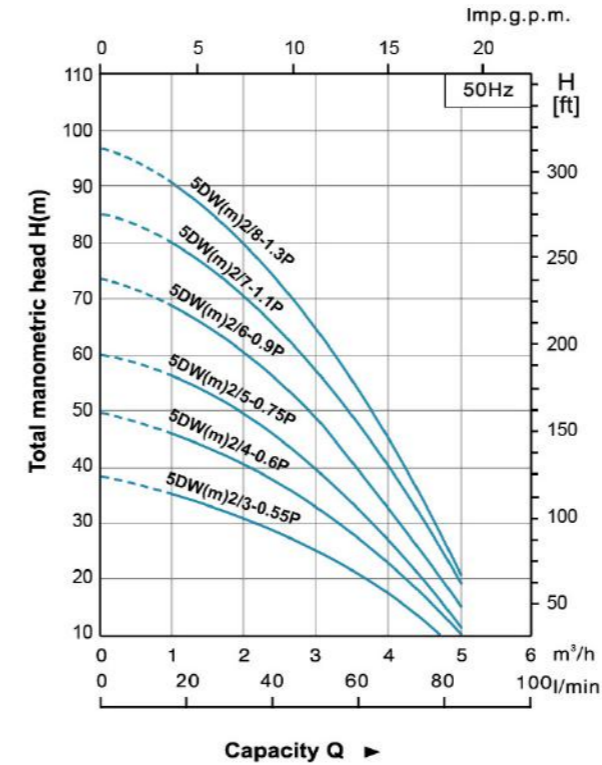
### 5 DW (m) 2/3-0.55 P



No.	Components	Material	
		5DW-P	5DW
5	Upper cover	Cast iron (Standard) Cast Cu & AISI 304 Optional	Cast Cu (Standard) AISI304 Optional
7	Bearing house		
6	Up-bearing house	Aluminum die casting	
10	Seal bracket	AISI304	AISI304
11	Motor casing	AISI304	AISI304
12	Outer casing	AISI304	AISI304
13	Pump casing	AISI304	AISI304
14	Impeller	PPO	AISI304
15	Diffuser	PPO	AISI304
17	Suction interconnector	AISI304	
17a	Coupling ring	PPO	/
22	Seat assembly	PPO	/
25	Strainer	AISI304	
27	Stator		
28	Rotor		
31a,b	Bearing		
32	Capacitor		
34a	Mechanical Seal	Carbon/Ceramic	
34b	Mechanical Seal	Sic/Sic	
36a,b,c	O-ring	NBR	
38	Shaft sleeve	AISI304	
39	Bush bearing	PU	/
40	Clamp ring	/	Cast Cu
40a	Sealing plate	AISI304	/
40b	Locking plate	AISI304	/
41a	Shim	/	AISI304
41b	Pressing block	AISI304	/
46	Circlips	AISI304	/
47	Cable	H07RN-F	



## Hydraulic Performance Curves



**Technical Data**

MODEL		P <sub>2</sub>		DELIVERY n≈2850 1/min										
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q m <sup>3</sup> /h l/min	0	1	1.5	2	2.5	3	3.5	4	4.5	5
5DWm2/3-0.55P	5DW2/3-0.55P	0.55	0.75		H(m)	0	16.6	25	33.3	41.6	50	58.3	66.6	75
5DWm2/4-0.6P	5DW2/4-0.6P	0.6	0.8	38		35	33	31	28.5	25	20.5	16.5	12	7
5DWm2/5-0.75P	5DW2/5-0.75P	0.75	1	49		46	43.5	40	37	32.5	27.5	22	16	10
5DWm2/6-0.9P	5DW2/6-0.9P	0.9	1.2	60		56	52.5	48.5	44	39	33	26	19	11
5DWm2/7-1.1P	5DW2/7-1.1P	1.1	1.5	73		68	64	60	54	48	40.5	32	23	14.5
5DWm2/8-1.3P	5DW2/8-1.3P	1.3	1.75	85		80	76	70	65	57	48	38.5	30	18
				97		91	87	80	74	65	55	44	32	20

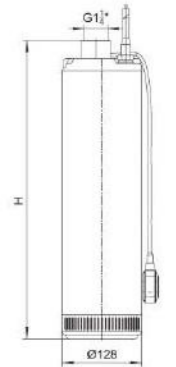
MODEL		P <sub>2</sub>		DELIVERY n≈2850 1/min										
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q m <sup>3</sup> /h l/min	0	1	1.5	2	2.5	3	3.5	4	4.5	
5DWm2/3-0.55	5DW2/3-0.55	0.55	0.75		H(m)	0	16.6	25	33.3	41.6	50	58.3	66.6	75
5DWm2/4-0.55	5DW2/4-0.55	0.55	0.75	33		31	29.5	27.5	25	22	19	16	12	
5DWm2/5-0.75	5DW2/5-0.75	0.75	1	44		41.5	39.5	36.5	33.5	29.5	25.5	21	16	
5DWm2/6-0.9	5DW2/6-0.9	0.9	1.2	53		49.5	47	44	40	35	30	25	19	
5DWm2/7-0.9	5DW2/7-0.9	0.9	1.2	65		61	58	54	49	43	37	30.5	23	
5DWm2/8-1.1	5DW2/8-1.1	1.1	1.5	76.5		71	67.5	62.5	57.5	52.5	46	40	32.5	
				87.5		81	77	71.5	66	60	52.5	46	37	

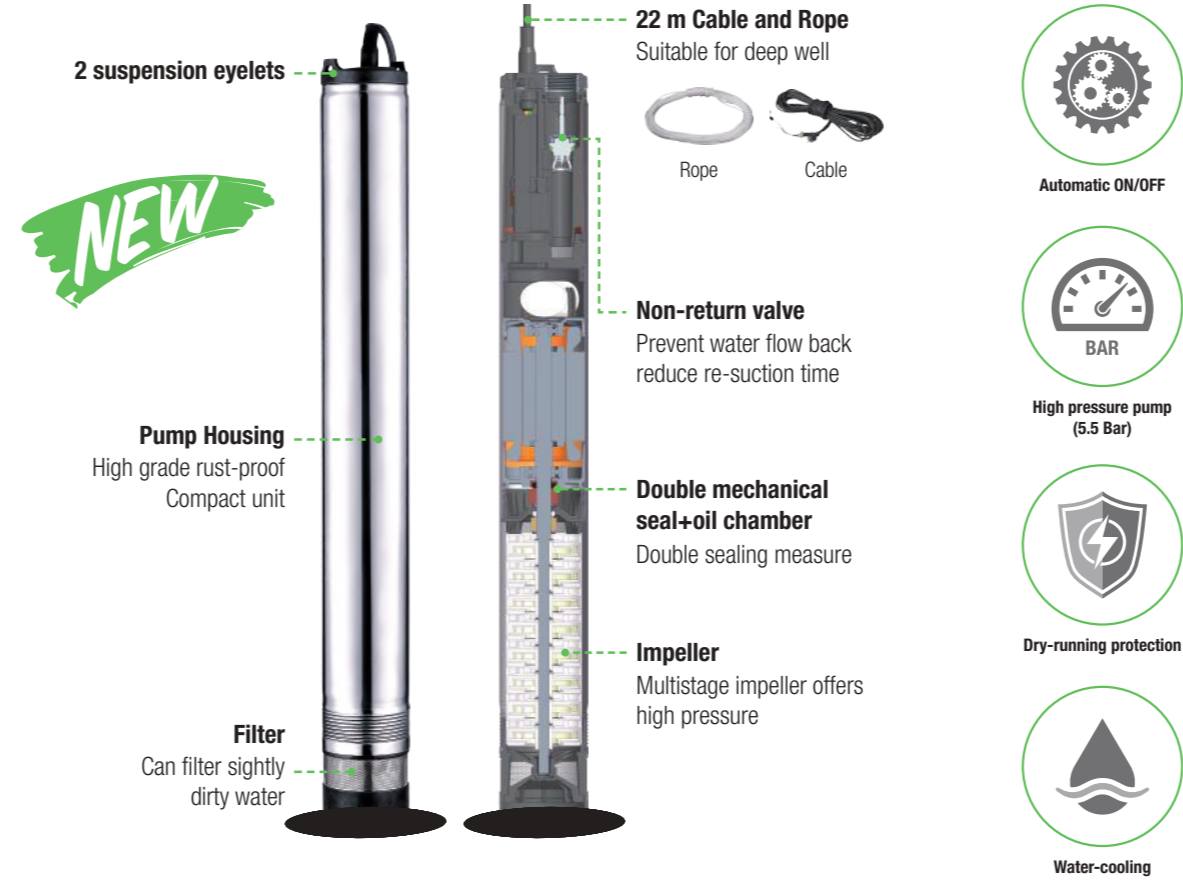
MODEL		P <sub>2</sub>		DELIVERY n≈2850 1/min										
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q m <sup>3</sup> /h l/min	0	2.5	3	3.5	4	4.5	5	6	7	8
5DWm4/4-0.9	5DW4/4-0.9	0.9	1.2		H(m)	0	41.6	50	58.3	66.6	75	83.3	100	116
5DWm4/5-1.1	5DW4/5-1.1	1.1	1.5	43		39	38	36.5	35	33	30	25.5	19.5	13
5DWm4/6-1.1	5DW4/6-1.1	1.1	1.5	53		48	46.5	45	43	40	37.5	32	24	15
5DWm4/7-1.5	5DW4/7-1.5	1.5	2	66		60	58	56	54	51.5	49	42	34	20.5
5DWm4/8-1.5	5DW4/8-1.5	1.5	2	77		70	68	65.5	63	60	57	49	39.5	24
				88		80	77.5	75	72	68.5	65	56	45	27.5

MODEL		P <sub>2</sub>		DELIVERY n≈2850 1/min										
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q m <sup>3</sup> /h l/min	0	5	6	7	8	9	10	11		
5DWm8/3-1.1	5DW8/3-1.1	1.1	1.5		H(m)	0	83.3	100	116	133	150	166	183	
5DWm8/4-1.5	5DW8/4-1.5	1.5	2	34.5		29.5	28	26.5	24.5	22.5	20	16.5		
					45.5	39	37	35	32.5	30	26.5	22.5		

**5DW**

MODEL		Φ D (mm)	DN	DIMENSIONS(mm)		WEIGHTS(kg)			
1~ 220V/240V	3~ 380V/415V			H(s)	H(T)	N.W(S)	N.W(T)	G.W(S)	G.W(T)
5DWm2/3-0.55P	5DW2/3-0.55P	Φ 133	1 1/4"	469	445	12.4	11.4	13	11.9
5DWm2/4-0.6P	5DW2/4-0.6P	Φ 133	1 1/4"	507	471	13.1	12.1	13.7	12.6
5DWm2/5-0.75P	5DW2/5-0.75P	Φ 133	1 1/4"	545	497	15.2	14.1	15.9	14.7
5DWm2/6-0.9P	5DW2/6-0.9P	Φ 133	1 1/4"	583	535	15.9	14.5	16.6	15.2
5DWm2/7-1.1P	5DW2/7-1.1P	Φ 133	1 1/4"	621	573	16.4	15	17.1	15.7
5DWm2/8-1.3P	5DW2/8-1.3P	Φ 133	1 1/4"	659	611	17.5	16.1	18.3	16.8
5DWm2/3-0.55	5DW2/3-0.55	Φ 128	1 1/4"	433	409	13.6	12.6	14.2	13.2
5DWm2/4-0.55	5DW2/4-0.55	Φ 128	1 1/4"	457	433	14.1	13.0	14.8	13.7
5DWm2/5-0.75	5DW2/5-0.75	Φ 128	1 1/4"	505	457	16.0	14.9	16.7	15.6
5DWm2/6-0.9	5DW2/6-0.9	Φ 128	1 1/4"	541	493	17.6	16.2	18.4	17.0
5DWm2/7-0.9	5DW2/7-0.9	Φ 128	1 1/4"	565	517	18.1	16.7	19.0	17.6
5DWm2/8-1.1	5DW2/8-1.1	Φ 128	1 1/4"	601	553	19.4	18.0	20.3	18.9
5DWm4/4-0.9	5DW4/4-0.9	Φ 128	1 1/4"	493	445	16.6	15.2	17.3	15.9
5DWm4/5-1.1	5DW4/5-1.1	Φ 128	1 1/4"	529	481	17.9	16.5	18.6	17.2
5DWm4/6-1.1	5DW4/6-1.1	Φ 128	1 1/4"	553	505	18.4	17.0	19.2	17.8
5DWm4/7-1.5	5DW4/7-1.5	Φ 128	1 1/4"	613	553	21.3	19.1	22.2	21.0
5DWm4/8-1.5	5DW4/8-1.5	Φ 128	1 1/4"	637	577	21.8	19.6	22.6	20.4
5DWm8/3-1.1	5DW8/3-1.1	Φ 128	1 1/4"	499	451	17.4	16.0	18.1	16.7
5DWm8/4-1.5	5DW8/4-1.5	Φ 128	1 1/4"	565	505	19.0	16.8	19.8	17.6





## Application



Transferring water from deep well



Domestic water supply



Garden irrigation



Agriculture irrigation

Model	LDW 6-35-750E	LDW 6-42-900E	LDW 6-49-1000E	LDW 6-55-1100E	LDW 6-35-750	LDW 6-42-900	LDW 6-49-1000	LDW 6-55-1100	LDW 6-63-1200	LDW 6-70-1300
Rated Power(W)	750	900	1000	1100	750	900	1000	1100	1200	1300
Max. Head(m)	35	42	49	55	35	42	49	55	63	70
Max. Flow(m <sup>3</sup> /h)	6	6	6	6	6	6	6	6	6	6
Max. Immersion Depth(m)	12	16	19	19	19	19	19	19	19	19
Impeller Stage	5	6	7	8	5	6	7	8	9	10
Outlet(inch)	1	1	1	1	1.25	1.25	1.25	1.25	1.25	1.25
Rope Length(m)	22									
Length of Cable (m)	22m/H07RN-F									
Max. Liquid Temperature(°C)	35									
Protection Class	IPX8									
Starting pressure (bar)	2.0	2.5	2.5	3.0	-	-	-	-	-	-
Package Dimension(mm)	215x230x881	215x230x901	215x230x931	215x230x960	215x230x663	215x230x683	215x230x712	215x230x742	215x230x791	215x230x820
Gross Weight(kgs)	10.1	11.1	12	12.6	9.8	10.7	11.6	12.2	13.1	13.6
Qty/20'GP	640	640	620	610	860	830	810	790	730	720