

DV SERIES SUBMERSIBLE ELECTRIC PUMP (VORTEX IMPELLER)

The state-of-art design and choice of component materials ensure optimum operating performances, superior quality, reliability and ease of installation.

APPLICATIONS

- Industrial wastewater discharge, shopping mall, hospital and hotel
- Emptying of septic tanks, cesspits and sewage pump station
- Agricultural irrigation

SPECIFICATIONS

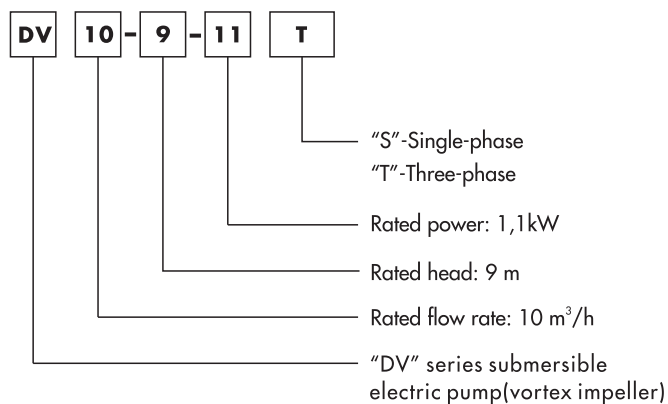
- Delivery: up to 190 m³/h
- Head: up to 24 m
- Stainless steel shaft
- Strong cast iron pump body and impeller
- Double protection of mechanical seal and lip seal
- Dry-type motor
- Continuous service: S1
- Protection degree: IP68
- Insulation class: Class B
- Maximum immersion depth: 5m
- Pumped liquid temperature: 0-40 °C
- Pumped liquid PH: 6~10
- Density of liquid: 1,3g/cm³
- 220V~1 50Hz: Built-in capacitor and over-load protector
- Maximum allowable voltage fluctuations over the rated voltage:
220 V ± 10 %
380 V ± 10 %

OPTIONAL FEATURES

- Different cable length
- Floating switch for single-phase pump



IDENTIFICATION CODE



EXAMPLE:

DV10-9-11T

DV series submersible electric pump(vortex impeller), flow rate 10m³/h, rate head 9m, three-phase 1,1 kW (1,5 Hp) .

DV SERIES SUBMERSIBLE ELECTRIC PUMP (VORTEX IMPELLER)

0,37-1,5kW
50Hz:2850rpm



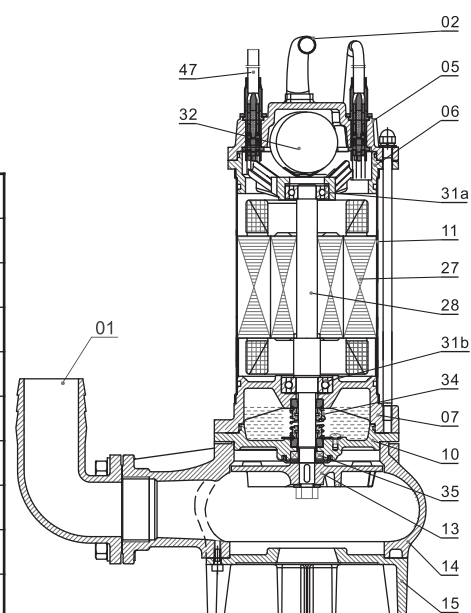
0.37-0.55kW



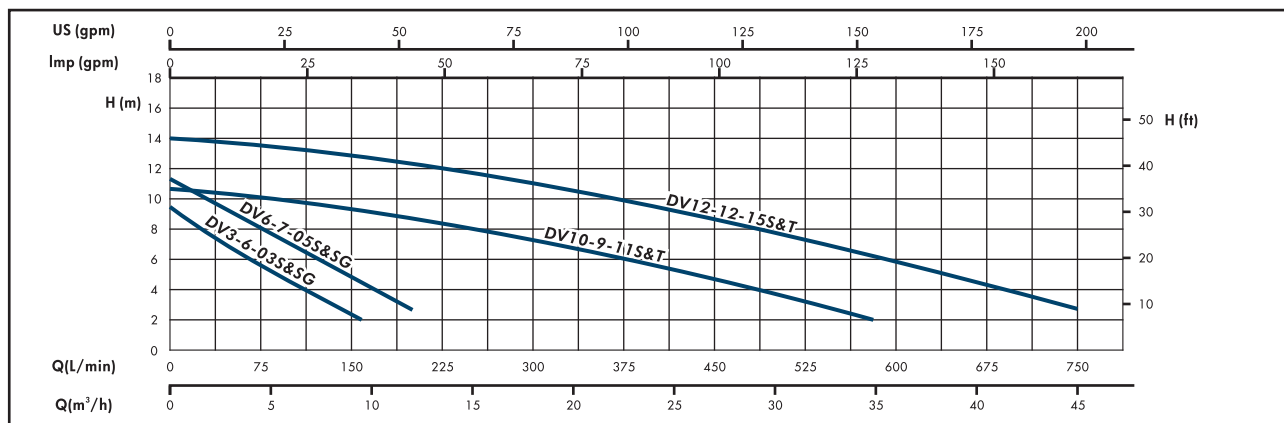
1.1-1.5kW

PUMP SECTION AND MATERIAL LIST OF MAIN COMPONENTS

REF.N.	PART	MATERIAL	REF.N.	PART	MATERIAL
01	Hose coupling	Cast iron	15	Base	Cast iron
02	Lifting handle	Stainless steel	27	Stator	-
05	Cover	Cast iron	28	Rotor	Shaft: Stainless steel
06	Up-Bearing house	Cast iron	31a	Bearing	-
07	Bearing house	Cast iron	31b	Bearing	-
10	Seal bracket	Cast iron	32	Capacitor	Only single phase
11	Motor body	Stainless steel	34	Mechanical seal	-
13	Impeller	Cast iron	35	Lip seal	-
14	Pump body	Cast iron	47	Cable connector	-

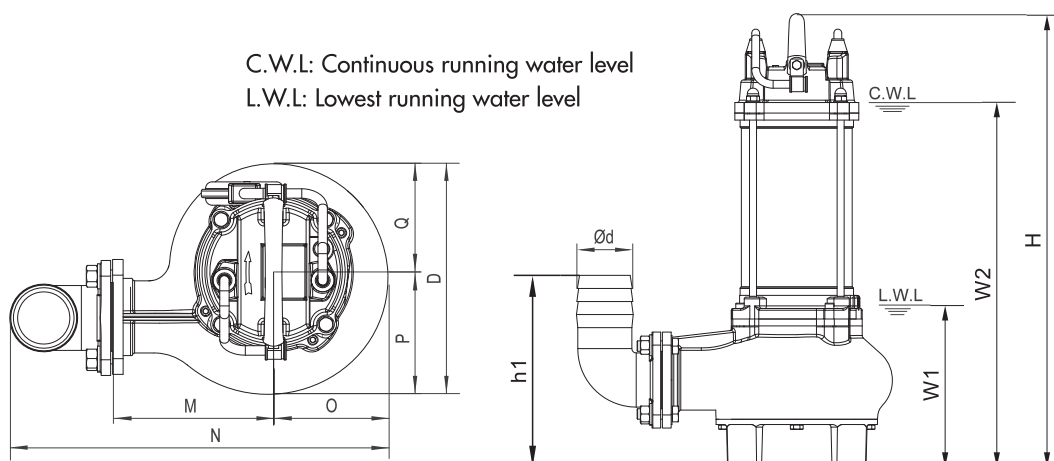


OPERATING CHARACTERISTICS AT 50Hz, 2850r.p.m.



OPERATING CHARACTERISTICS AT 50Hz, 2850r.p.m.

PUMP TYPE	kW	Hp	Q=DELIVERY							Q.MAX (m³/h)
			l/min 0	50	100	167	233	500	666	
			m³/h 0	3	6	10	20	30	40	
			H=TOTAL HEAD METERS COLUMN OF WATER							
DV3-6-03SG	0,37	0,5	9,5	6	4,2	-	-	-	-	9,5
DV3-6-03S	0,37	0,5	9,5	6	4,2	-	-	-	-	9,5
DV6-7-05SG	0,55	0,75	11,5	9	7	4	-	-	-	12
DV6-7-05S	0,55	0,75	11,5	9	7	4	-	-	-	12
DV10-9-11S	1,1	1,5	10,5	10	9,5	9	6,5	4	-	37
DV10-9-11T	1,1	1,5	10,5	10	9,5	9	6,5	4	-	37
DV12-12-15S	1,5	2,0	18	17	15,5	12,5	10	8	4,5	45
DV12-12-15T	1,5	2,0	18	17	15,5	12,5	10	8	4,5	45



DIMENSION AND WEIGHT

PUMP TYPE	DIMENSIONS(mm)											N.W. Kg	G.W. Kg	IMPELLER PASSAGE (mm)
	Ød	h1	W1	W2	H	O	P	Q	D	M	N			
DV3-6-03SG	50	147	131	306	424	73	76	70	172	100	260	18	19,5	30
DV3-6-03S	50	147	131	306	424	73	76	70	172	100	260	17,5	19	30
DV6-7-05SG	50	147	131	326	444	73	76	70	172	100	260	19,5	21	30
DV6-7-05S	50	147	131	326	444	73	76	70	172	100	260	19	20,5	30
DV10-9-11S	64	220	197	413	535	110	117	104	221	154	363	29,8	22,5	40
DV10-9-11T	64	220	197	413	535	110	117	104	221	154	363	29,3	21,5	40
DV12-12-15S	64	220	197	439	561	110	117	104	221	154	363	32,2	25	40
DV12-12-15T	64	220	197	439	561	110	117	104	221	154	363	31,7	23,5	40

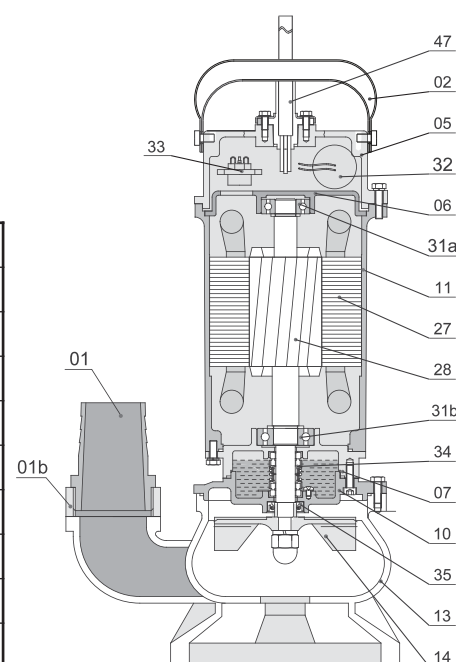
DV SERIES SUBMERSIBLE ELECTRIC PUMP (VORTEX IMPELLER)

0,45-1,5kW
50Hz:2850rpm

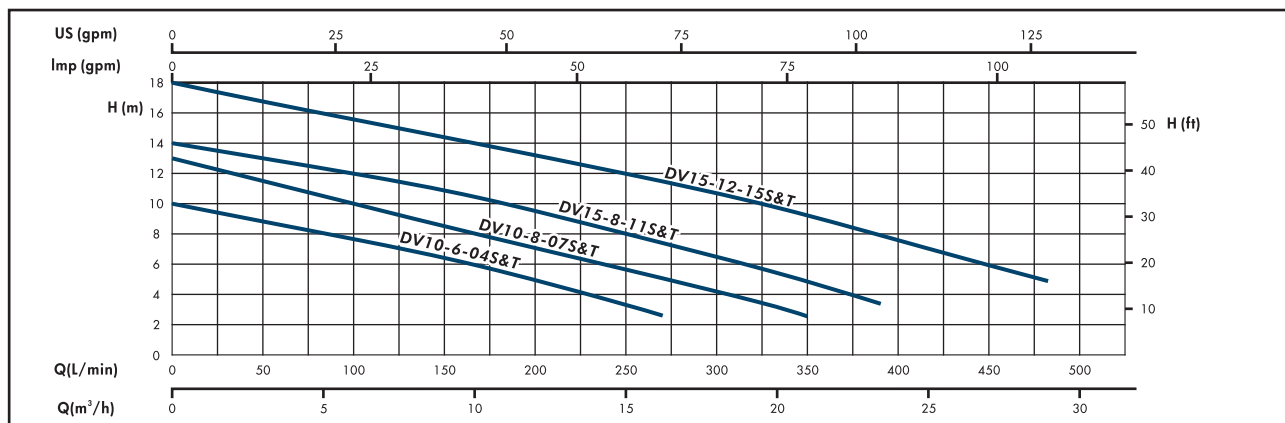


PUMP SECTION AND MATERIAL LIST OF MAIN COMPONENTS

REF.N.	PART	MATERIAL	REF.N.	PART	MATERIAL
01	Hose coupling	Cast iron	27	Stator	-
02	Lifting handle	Stainless steel	28	Rotor	Shaft: Stainless steel
05	Cover	Cast iron	31a	Bearing	-
06	Up-Bearing house	Cast iron	31b	Bearing	-
07	Bearing house	Cast iron	32	Capacitor	Only single phase
10	Seal bracket	Cast iron	33	Over-load protector	-
11	Motor body	Cast iron	34	Mechanical seal	-
13	Pump body	Cast iron	35	Lip seal	-
14	Impeller	Cast iron	37	Cable connector	-



OPERATING CHARACTERISTICS AT 50Hz, 2850r.p.m.

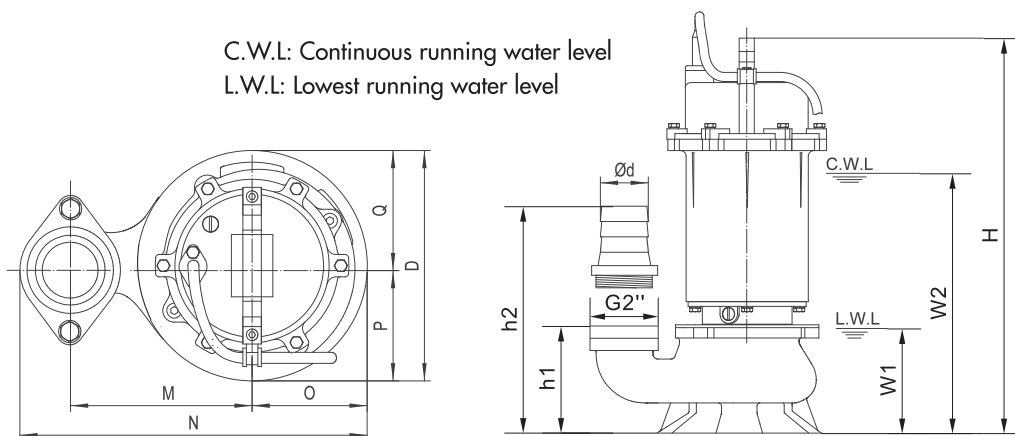


OPERATING CHARACTERISTICS AT 50Hz, 2850r.p.m.

PUMP TYPE	kW	Hp	Q=DELIVERY							Q.MAX (m³/h)
			l/min 0	50	100	167	250	333	417	
			m³/h 0	3	6	10	15	20	25	
			H=TOTAL HEAD METERS COLUMN OF WATER							
DV10-6-04S	0,45	0,6	10	8,5	7,7	6	3,3	-	-	17
DV10-6-04T	0,45	0,6	10	8,5	7,7	6	3,3	-	-	17
DV10-8-07S	0,75	1,0	13	12	10	8	6	3,5	-	21
DV10-8-07T	0,75	1,0	13	12	10	8	6	3,5	-	21
DV15-8-11S	1,1	1,5	14	13	12	10,5	8	5,5	-	23
DV15-8-11T	1,1	1,5	14	13	12	10,5	8	5,5	-	23
DV15-12-15S	1,5	2,0	18	17	15,5	14	12	9,5	7	28
DV15-12-15T	1,5	2,0	18	17	15,5	14	12	9,5	7	28

C.W.L: Continuous running water level

L.W.L: Lowest running water level

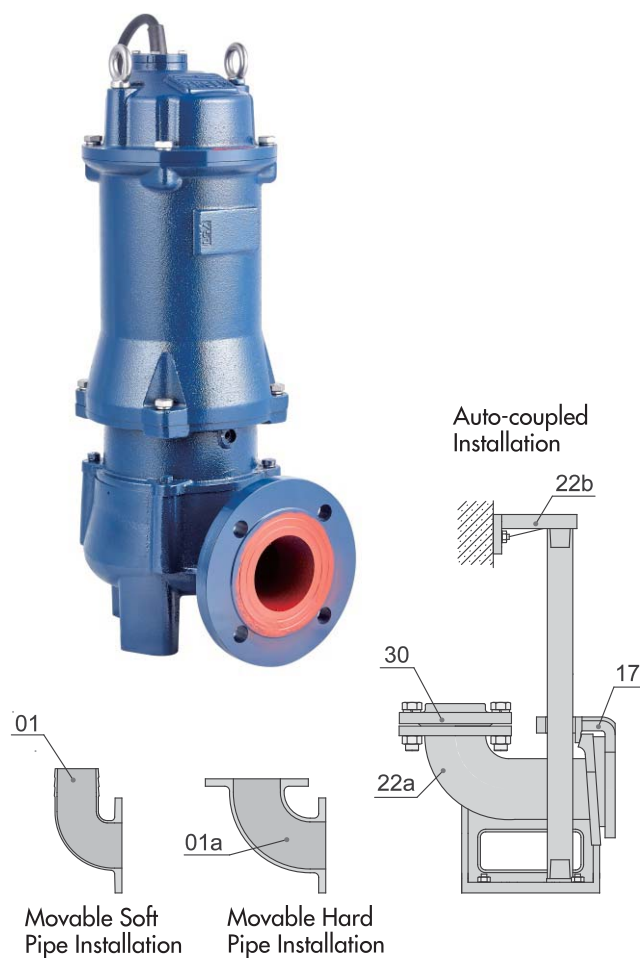


DIMENSION AND WEIGHT

PUMP TYPE	DIMENSIONS(mm)												N.W.	G.W.	IMPELLER PASSAGE (mm)
	Ød	h1	h2	W1	W2	H	O	P	Q	D	M	N	Kg	Kg	
DV10-6-04S	50	135	200	130	280	475	86	86	86	172	120	240	17,5	19	20
DV10-6-04T	50	135	200	130	280	475	86	86	86	172	120	240	17,5	19	20
DV10-8-07S	50	135	200	130	300	495	86	86	86	172	120	240	19,5	21	20
DV10-8-07T	50	135	200	130	290	485	86	86	86	172	120	240	19	20,5	20
DV15-8-11S	50	135	200	125	320	510	90	90	90	180	140	265	21	22,5	20
DV15-8-11T	50	135	200	125	305	495	90	90	90	180	140	265	20	21,5	20
DV15-12-15S	50	135	200	125	335	530	90	90	90	180	140	265	23,5	25	25
DV15-12-15T	50	135	200	125	320	510	90	90	90	180	140	265	22	23,5	25

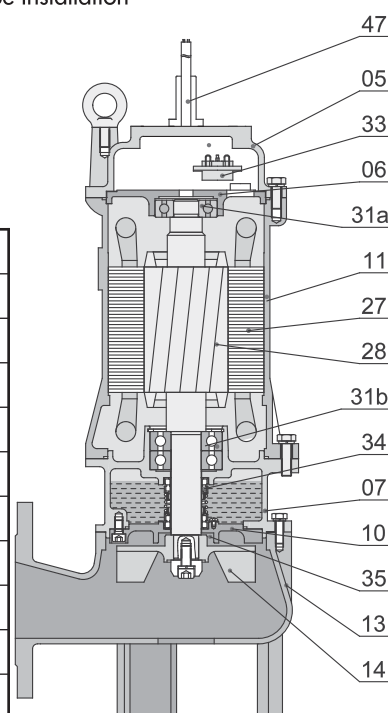
DV SERIES SUBMERSIBLE ELECTRIC PUMP (VORTEX IMPELLER)

2,2-5,5kW
50Hz:2850rpm

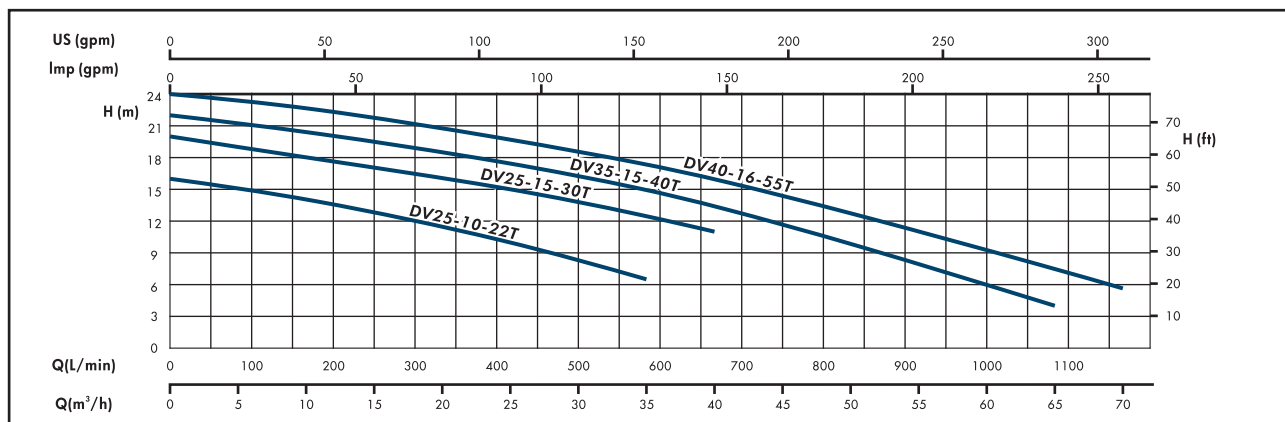


PUMP SECTION AND MATERIAL LIST OF MAIN COMPONENTS

REF.N.	PART	MATERIAL	REF.N.	PART	MATERIAL
01	Hose coupling	Cast iron	22a	Coupling seat	Cast iron
01a	Hose coupling	Cast iron	22b	Upper guide support	Cast iron
05	Cover	Cast iron	27	Stator	-
06	Up-Bearing house	Cast iron	28	Rotor	Shaft: Stainless steel
07	Bearing house	Cast iron	31a	Bearing	-
10	Seal bracket	Cast iron	31b	Bearing	-
11	Motor body	Cast iron	33	Over-load protector	-
13	Pump body	Cast iron	34	Mechanical seal	-
14	Impeller	Cast iron	35	Lip seal	-
17	Coupling adapter	Cast iron	47	Cable connector	-



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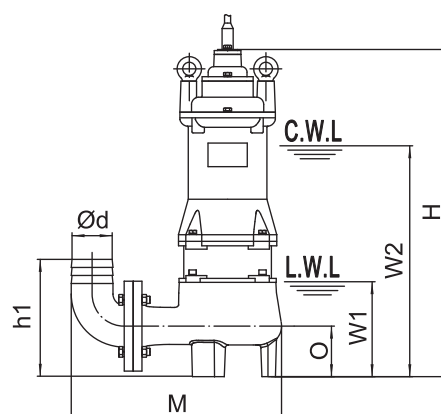
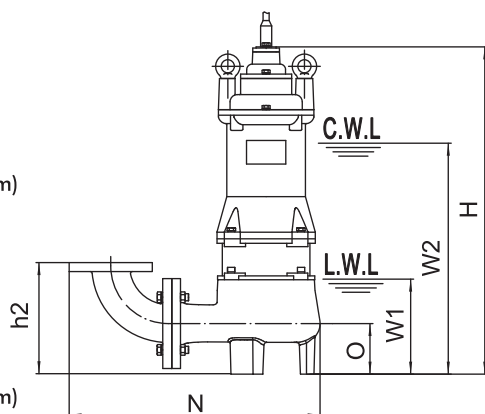
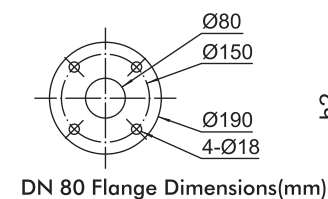
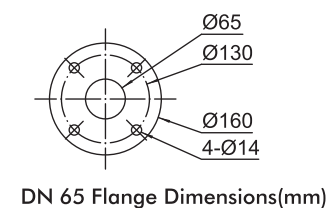
PUMP TYPE	kW	Hp	Q=DELIVERY							Q.MAX (m³/h)
			l/min 0	167	200	417	583	667	917	
			m³/h 0	10	12	25	35	40	65	
			H=TOTAL HEAD METERS COLUMN OF WATER							
DV25-10-22T	2,2	3,0	16	14	13	10	7,5	-	-	35
DV25-15-30T	3,0	4,0	20	18	17	15	12,5	11	-	40
DV35-15-40T	4,0	5,5	22	20,5	19,5	17,5	15	13,5	4	65
DV40-16-55T	5,5	7,5	24	22,5	21,5	19,5	17,5	16	7,5	70

C.W.L: Continuous running water level

L.W.L: Lowest running water level

Movable Hard Pipe Installation
(Optional)

Movable Soft Pipe Installation
(Standard)

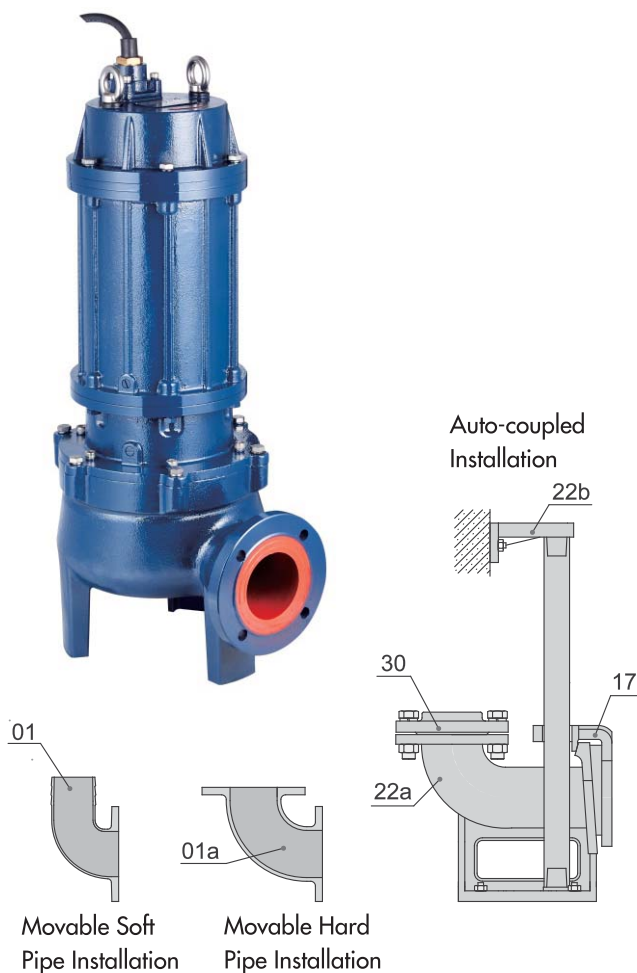


DIMENSION AND WEIGHT

PUMP TYPE	DIMENSIONS(mm)									N.W. Kg	G.W. Kg	IMPELLER PASSAGE (mm)
	Ød	h1	h2	W1	W2	H	O	M	N			
DV25-10-22T	65	210	210	170	425	585	90	360	447	39	45	56
DV25-15-30T	65	210	210	170	440	620	90	360	447	48	54	56
DV35-15-40T	80	245	240	170	455	645	90	409	517	59	64	56
DV40-16-55T	80	245	240	170	455	645	90	409	517	73	77	56

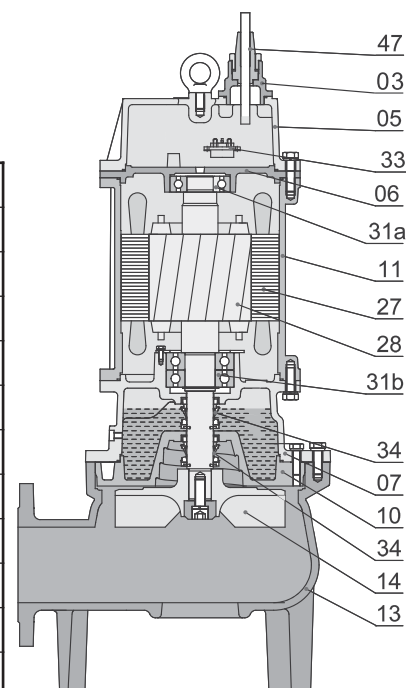
DV SERIES SUBMERSIBLE ELECTRIC PUMP (VORTEX IMPELLER)

5,5-11kW
50Hz: 1450rpm

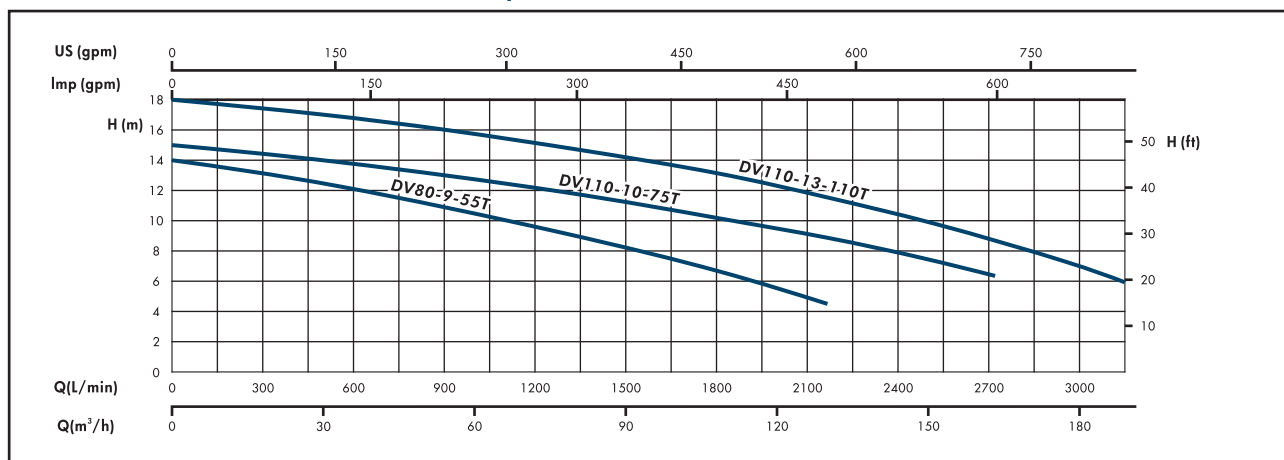


PUMP SECTION AND MATERIAL LIST OF MAIN COMPONENTS

REF.N.	PART	MATERIAL	REF.N.	PART	MATERIAL
01	Hose coupling	Cast iron	22a	Coupling seat	Cast iron
01a	Hose coupling	Cast iron	22b	Upper guide support	Cast iron
03	Terminal box	Cast iron	27	Stator	-
05	Upper cover	Cast iron	28	Rotor	Shaft: Stainless steel
06	Up-Bearing house	Cast iron	31a	Bearing	-
07	Bearing house	Cast iron	31b	Bearing	-
10	Seal bracket	Cast iron	33	Over-load protector	-
11	Motor body	Cast iron	34	Mechanical seal	-
13	Pump body	Cast iron	35	Lip seal	-
14	Impeller	Cast iron	47	Cable connector	-
17	Coupling adapter	Cast iron			

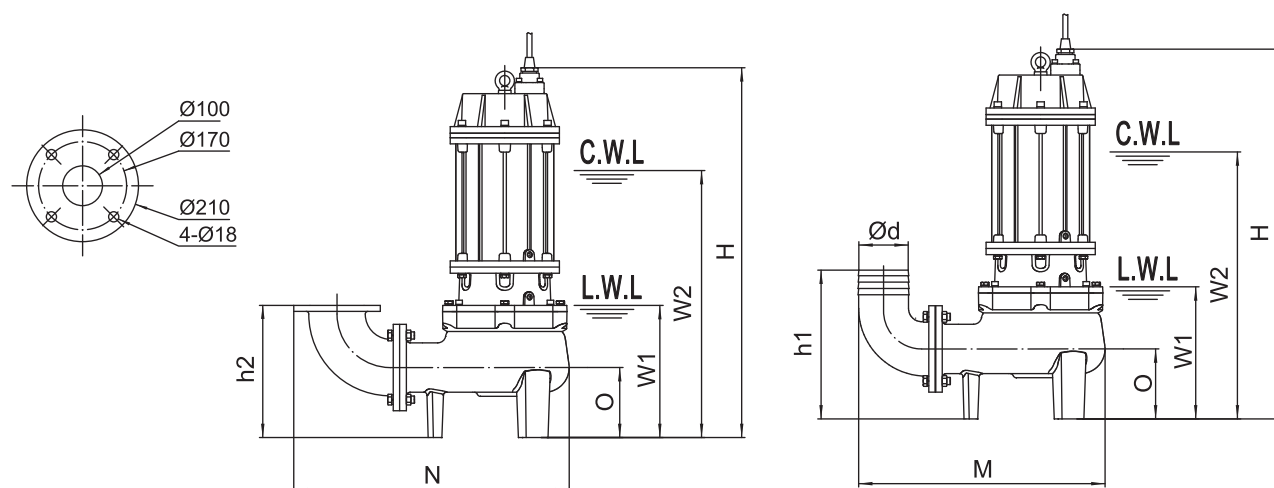


OPERATING CHARACTERISTICS AT 50Hz, 1450r.p.m.



OPERATING CHARACTERISTICS AT 50Hz, 1450r.p.m.

PUMP TYPE	kW	Hp	Q=DELIVERY							Q.MAX (m³/h)
			l/min 0	500	1333	1833	2167	2500	3000	
			m³/h 0	30	80	110	130	150	180	
			H=TOTAL HEAD METERS COLUMN OF WATER							
DV80-9-55T	5,5	7,5	14	12,5	9	6,5	4,5	-	-	135
DV110-10-75T	7,5	10	15	14	11,8	10	8,8	7,5	-	165
DV110-13-110T	11	15	18	17	14,7	13	11,5	10	9	190



DIMENSION AND WEIGHT

PUMP TYPE	DIMENSIONS(mm)									N.W.	G.W.	IMPELLER PASSAGE (mm)
	Ød	h1	h2	W1	W2	H	O	M	N	Kg	Kg	
DV80-9-55T	65	210	210	170	425	585	90	360	447	136	149	100
DV110-10-75T	65	210	210	170	440	620	90	360	447	151	165	100
DV110-13-110T	80	245	240	170	455	645	90	409	517	170	185	100