

DG SERIES SUBMERSIBLE ELECTRIC PUMP (GRINDER 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

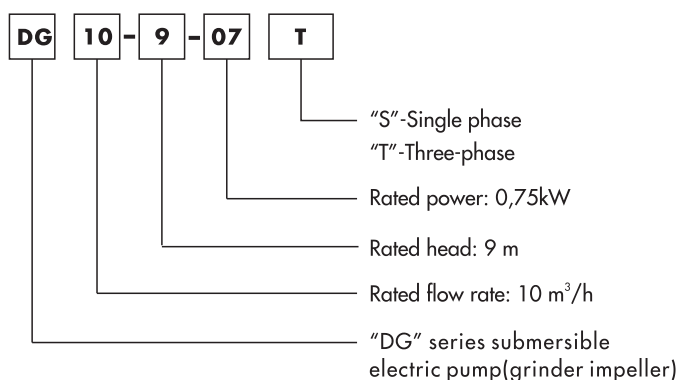
- Delivery: up to 150 m³/h .
- Head: up to 49 m
- Stainless steel shaft
- Strong cast iron pump body
- Stainless steel impeller and suction cover
- Double protection of mechanical seal and lip seal
- Dry-type motor
- Continuous service: S1
- Protection degree: IP68
- Insulation class: Class B
- Maximum 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:

DG10-9-07T

DG series submersible electric pump(grinder impeller), flow rate 10m³/h , rate head 9m, three-phase 0,75 kW (1,0 Hp).

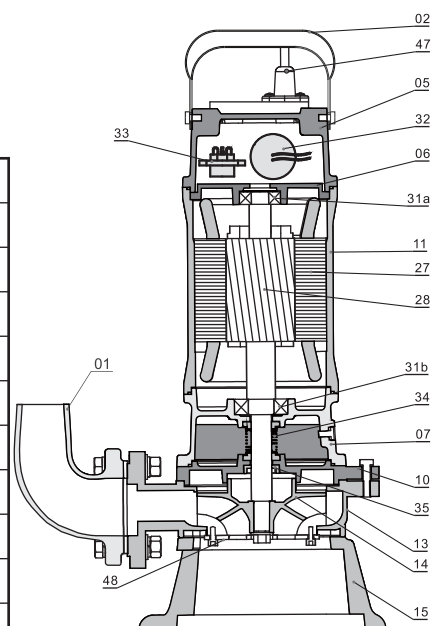
DG SERIES SUBMERSIBLE ELECTRIC PUMP (GRINDER IMPELLER)

0,75-7,5kW
50Hz:2850rpm

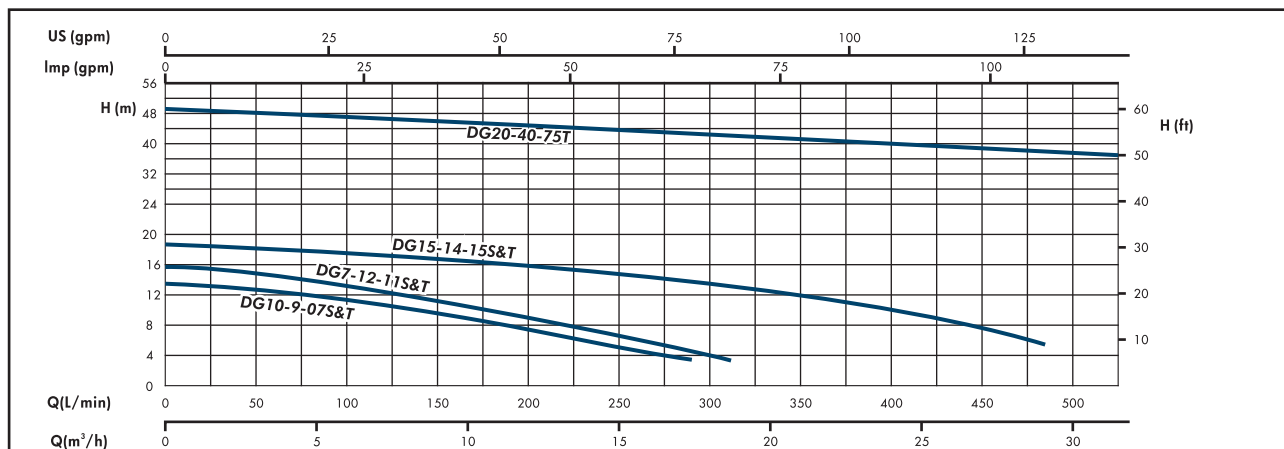


PUMP SECTION AND MATERIAL LIST OF MAIN COMPONENTS

REF.N.	PART	MATERIAL	REF.N.	PART	MATERIAL
01	Hose coupling	Cast iron	28	Rotor	Shaft: Stainless steel
02	Handle & Lifting eye	Stainless steel	31a	Bearing	-
05	Cover	Cast iron	31b	Bearing	-
06	Up-Bearing house	Cast iron	32	Capacitor	Only single phase
07	Bearing house	Cast iron	33	Over-load protector	-
10	Seal bracket	Cast iron	34	Mechanical seal	-
11	Motor body	Cast iron	35	Lip seal	-
13	Pump body	Cast iron	47	Cable connector	-
14	Impeller	Stainless steel	48	Suction cover	Stainless steel
27	Stator	-			

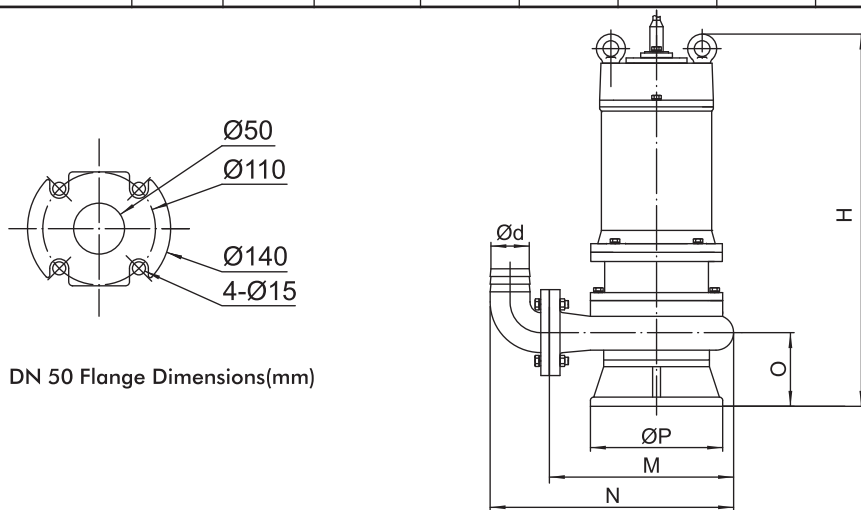


OPERATING CHARACTERISTICS AT 50Hz, 2850r.p.m.(DISCHARGE INNER DIAMETER 50mm)



OPERATING CHARACTERISTICS AT 50Hz, 2850r.p.m.(DISCHARGE INNER DIAMETER 50mm)

PUMP TYPE	kW	Hp	Q=DELIVERY							Q.MAX (m³/h)
			l/min 0	83	167	250	333	417	583	
			m³/h 0	5	10	15	20	25	35	
			H=TOTAL HEAD METERS COLUMN OF WATER							
DG10-9-07S	0,75	1,0	13,5	12	9	5,5	-	-	-	17
DG10-9-07T	0,75	1,0	13,5	12	9	5,5	-	-	-	17
DG7-12-11S	1,1	1,5	15,5	14	10,5	7	-	-	-	18,5
DG7-12-11T	1,1	1,5	15,5	14	10,5	7	-	-	-	18,5
DG15-14-15S	1,5	2,0	18,5	18	17	14	12	9,5	-	28
DG15-14-15T	1,5	2,0	18,5	18	17	14	12	9,5	-	28
DG20-40-75T	7.5	10	49	48	45	43	40	39	37	60

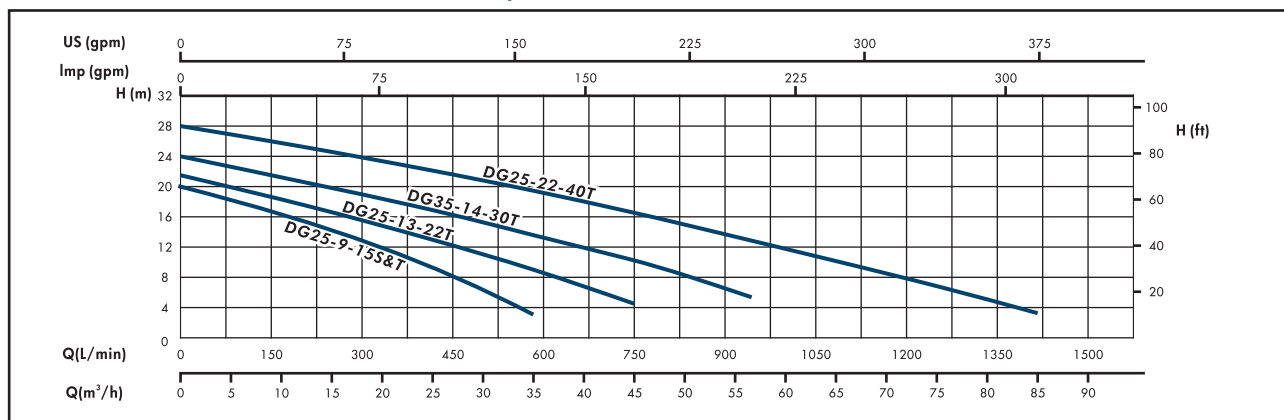


DN 50 Flange Dimensions(mm)

DIMENSION AND WEIGHT

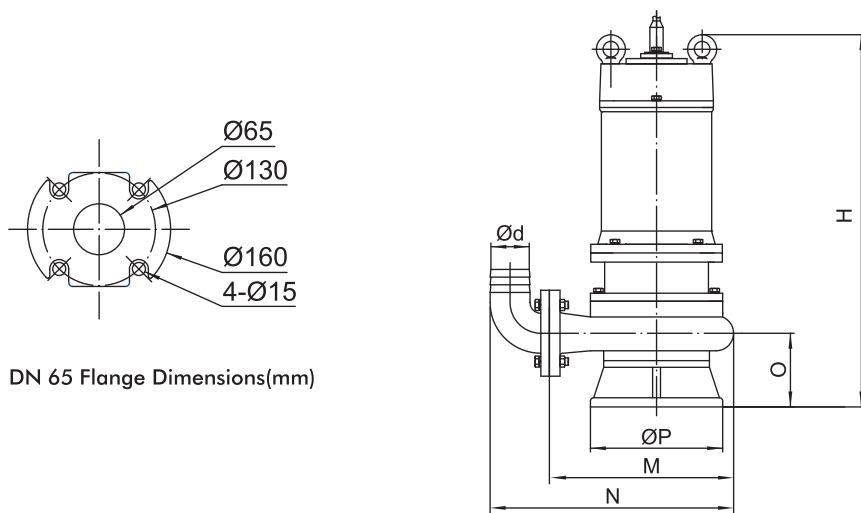
PUMP TYPE	DIMENSIONS(mm)						N.W. Kg
	Ød	ØP	H	O	M	N	
DG10-9-07S	50	175	430	74	205	296	22
DG10-9-07T	50	175	430	74	205	296	22
DG7-12-11S	50	175	430	74	205	296	24
DG7-12-11T	50	175	430	74	205	296	24
DG15-14-15S	50	240	568	117	250	341	36
DG15-14-15T	50	240	568	117	250	341	36
DG20-40-75T	50	285	660	137	335	426	72

OPERATING CHARACTERISTICS AT 50Hz, 2850r.p.m.(DISCHARGE INNER DIAMETER 65mm)



OPERATING CHARACTERISTICS AT 50Hz, 2850r.p.m.(DISCHARGE INNER DIAMETER 65mm)

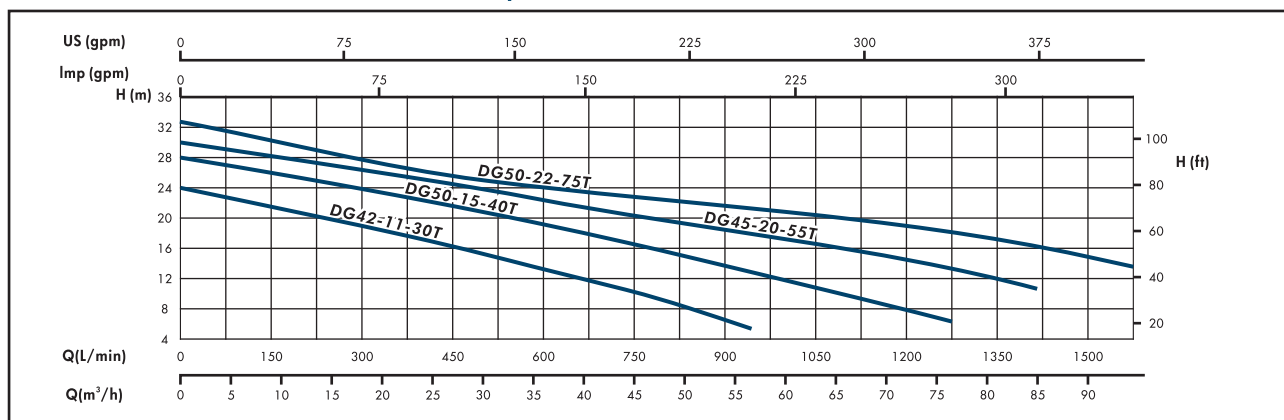
PUMP TYPE	kW	Hp	Q=DELIVERY							Q.MAX (m³/h)
			l/min 0	417	583	750	833	1083	583	
			m³/h 0	25	35	45	50	65	85	
			H=TOTAL HEAD METERS COLUMN OF WATER							
DG25-9-15S	1,5	2,0	20	9	3	-	-	-	-	35
DG25-9-15T	1,5	2,0	20	9	3	-	-	-	-	35
DG25-13-22T	2,2	3,0	21,5	13	9	4,5	-	-	-	45
DG35-14-30T	3,0	4,0	24	17	14	10,5	8,5	-	-	57
DG25-22-40T	4,0	5,5	28	22	19,5	16,5	15	10	3,5	71



DIMENSION AND WEIGHT

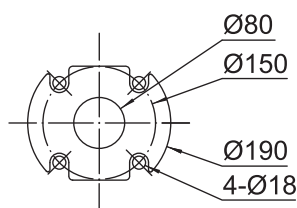
PUMP TYPE	DIMENSIONS(mm)						N.W.
	Ød	ØP	H	O	M	N	Kg
DG25-9-15S	65	240	568	117	250	348	37
DG25-9-15T	65	240	568	117	250	348	37
DG25-13-22T	65	265	585	127	295	393	41
DG35-14-30T	65	240	575	123	280	378	45
DG25-22-40T	65	265	590	127	315	413	55

OPERATING CHARACTERISTICS AT 50Hz, 2850r.p.m.(DISCHARGE INNER DIAMETER 80mm)

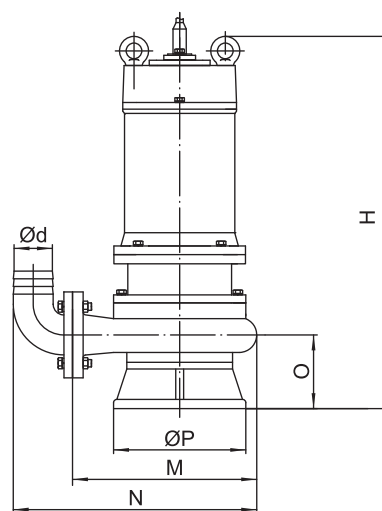


OPERATING CHARACTERISTICS AT 50Hz, 2850r.p.m.(DISCHARGE INNER DIAMETER 80mm)

PUMP TYPE	kW	Hp	Q=DELIVERY							Q.MAX (m³/h)
			l/min 0	417	583	750	833	1083	583	
			m³/h 0	25	35	45	50	65	85	
			H=TOTAL HEAD METERS COLUMN OF WATER							
DG42-11-30T	3,0	4,0	24	17	14	10,5	8,5	-	-	57
DG50-15-40T	4,0	5,5	28	22	19,5	16,5	15	10	-	71
DG45-20-55T	5,5	7,5	30	25	22	20	18,5	16	10	95
DG50-22-75T	7,5	10	32,5	26	24	22,5	22	20	16	100



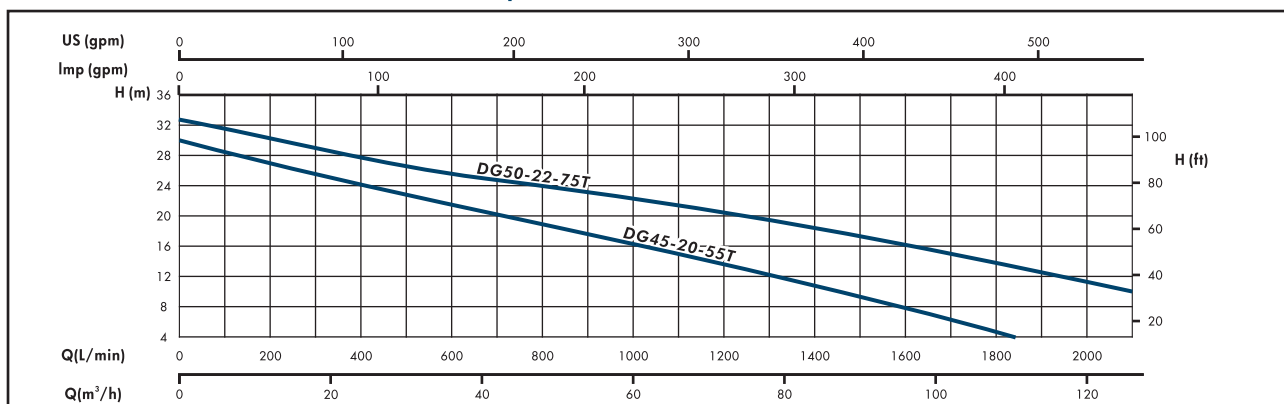
DN 80 Flange Dimensions(mm)



DIMENSION AND WEIGHT

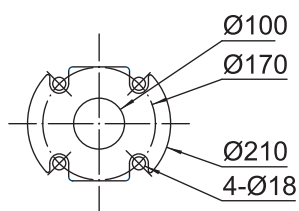
PUMP TYPE	DIMENSIONS(mm)						N.W.
	Ød	ØP	H	O	M	N	Kg
DG42-11-30T	80	240	575	123	280	410	47,5
DG50-15-40T	80	265	590	127	315	445	55
DG45-20-55T	80	268	575	131	325	455	62
DG50-22-75T	80	285	590	137	335	465	72

OPERATING CHARACTERISTICS AT 50Hz, 2850r.p.m.(DISCHARGE INNER DIAMETER 100mm)

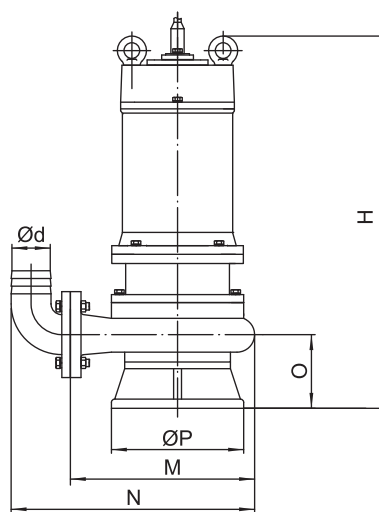


OPERATING CHARACTERISTICS AT 50Hz, 2850r.p.m.(DISCHARGE INNER DIAMETER 100mm)

PUMP TYPE	kW	Hp	Q=DELIVERY							Q.MAX (m³/h)
			l/min 0	333	667	1000	1333	1667	2000	
			m³/h 0	20	40	60	80	100	120	
			H=TOTAL HEAD METERS COLUMN OF WATER							
DG65-15-55T	5,5	7,5	30	25	21	17	12	6	-	115
DG100-15-75T	7,5	10	32,5	29	25	22	19	15	11	150



DN 100 Flange Dimensions(mm)



DIMENSION AND WEIGHT

PUMP TYPE	DIMENSIONS(mm)						N.W.
	Ød	ØP	H	O	M	N	Kg
DG65-15-55T	100	268	575	131	325	478	62
DG100-15-75T	100	285	590	137	335	488	72