DG



DG 80-102

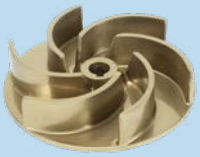


DG 150

Drainage pumps with set-back Vortex type impeller for pumping sewage waters and liquids with suspended solids; ideal for civil and household applications. The single-phase version includes a built-in capacitor, a thermal protector and it can be equipped with a float switch.



DG 80-102



DG 150

Grey water

Black water

Construction features

Painting	cataphoresis
Pump body	cast iron
Shell, motor cover, base support	stainless steel
Impeller	Vortex stainless steel (80÷102); brass (150)
Mechanical seal	double seal with oil barrier: pump side with silicon carbide mechanical seal; motor side with sealing ring (80÷102) or ceramic-graphite mechanical seal (150)
Motor shaft	stainless steel AISI 430
Free passage	Ø max 35 mm (80-100) Ø max 50 mm (82÷150)
Max submergence	5 m
Liquid temperature	0 - 40 °C
Cable	H07 RN8F, 10 m
G	float switch

Motor

2 poles induction motor	3~ 400V - 50Hz 1~ 230V - 50Hz (with thermal protection)
Insulation class	F
Protection degree	IPX8

LOTS				
TYPE	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
DG(T) 80÷100	80×120×150	57	80×110×195	72
			80×120×195	76
DG(T) 82	80×120×160	48	80×120×200	64
DG(T) 150	80×120×160	51	80×120×200	64

DG ☐ **80** ☐ **G**

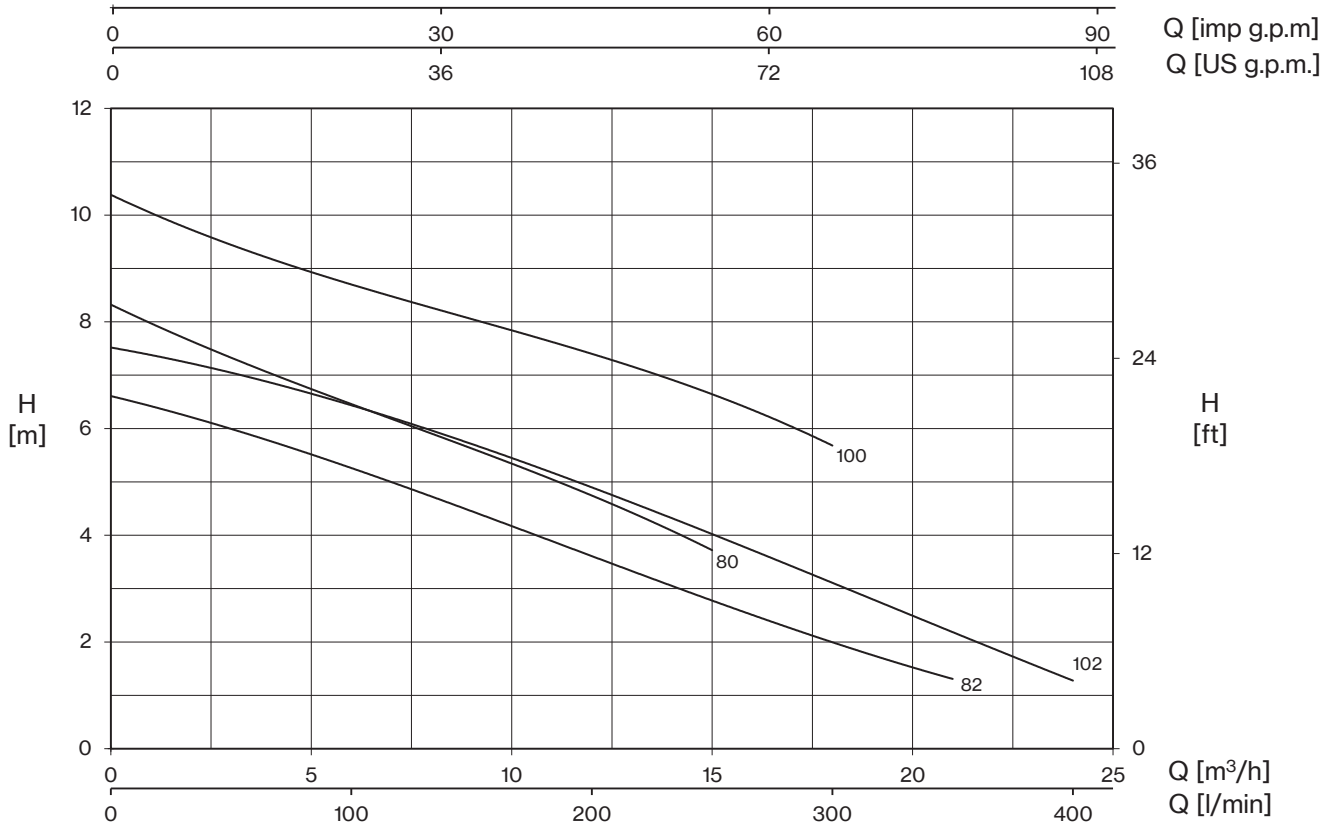
- ☐ without float switch
- **G** with float switch

delivery port size
- ☐ standard
- **/2** larger

motor
- ☐ 1~
- **T** 3~

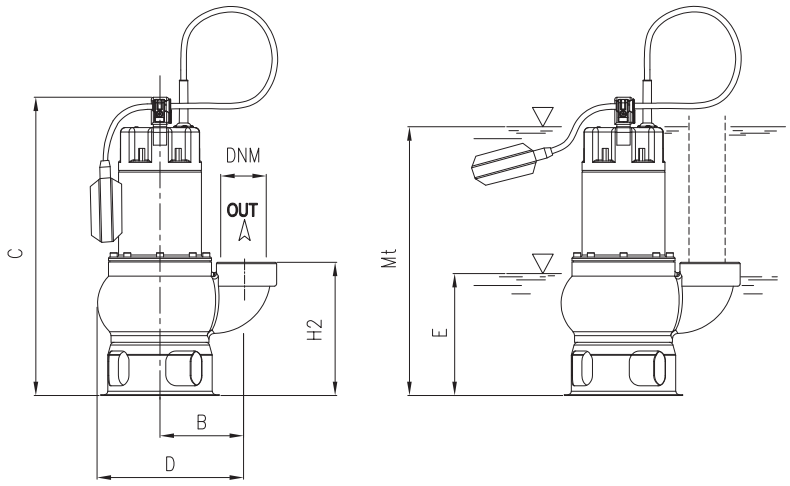
pump type

DG

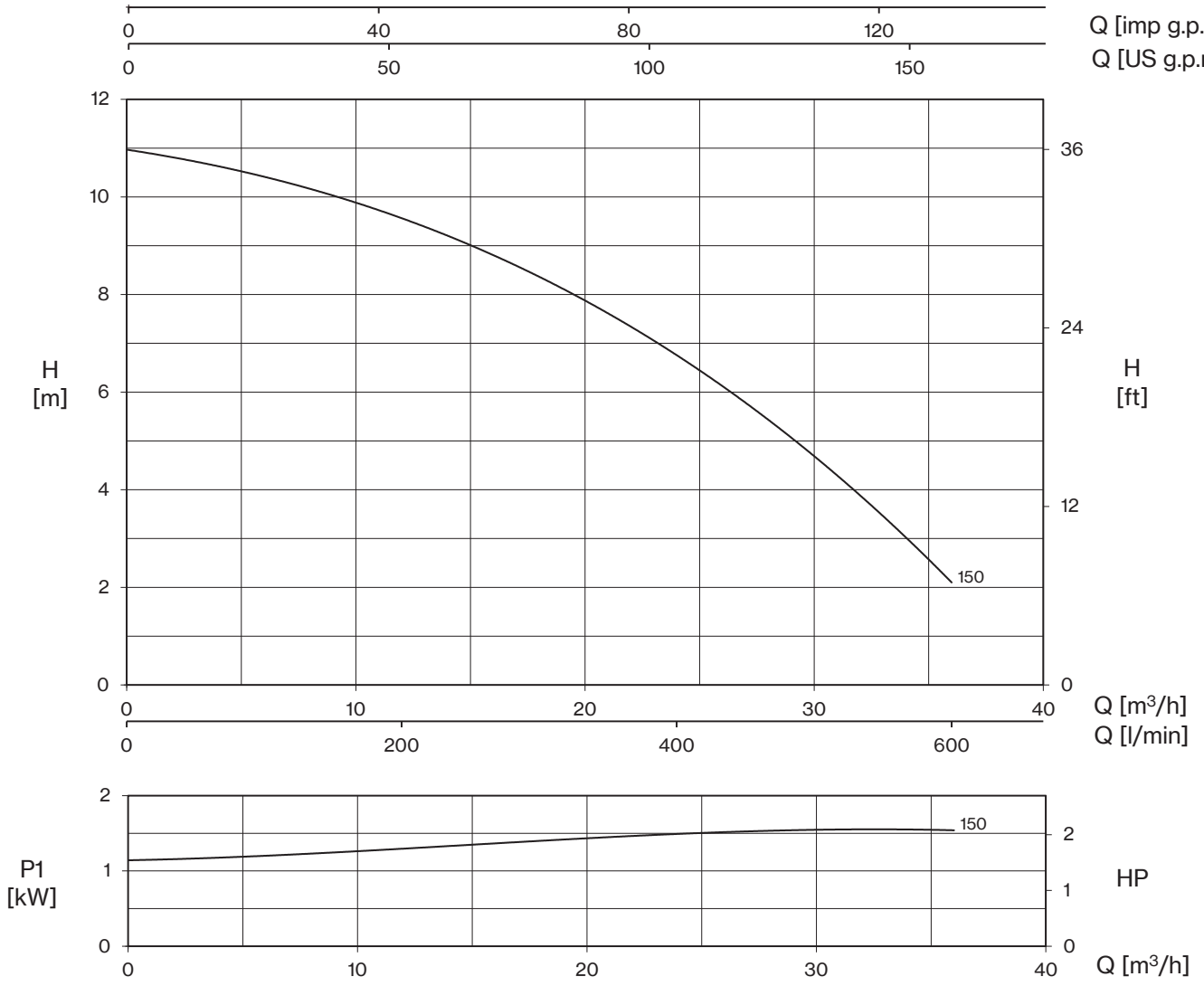


TYPE - 50 Hz		P1	CURRENT		Q (m³/h - l/min)								
1~	3~		1~ 230V	3~ 400V	0	3	6	9	12	15	18	21	24
					0	50	100	150	200	250	300	350	400
		kW	A		H (m)								
DG 80 (G)	**DGT 80**	1,05	4,7	2,2	8,3	7,4	6,4	5,6	4,8	3,7			
DG 80/2 (G)	**DGT 80/2**	1,05	4,7	2,2	8,3	7,4	6,4	5,6	4,8	3,7			
DG 100 (G)	**DGT 100**	1,35	6,2	2,8	10,4	9,4	8,7	8,1	7,4	6,6	5,7		
DG 100/2 (G)	**DGT 100/2**	1,35	6,2	2,8	10,4	9,4	8,7	8,1	7,4	6,6	5,7		
DG 82 (G)	**DGT 82**	1	4,5	2,1	6,6	6,0	5,3	4,4	3,6	2,8	2,0	1,3	
DG 102 (G)	**DGT 102**	1,2	5,3	2,4	7,5	7,1	6,4	5,7	4,9	4,0	3,2	2,1	1,3

E: maximum emptying level
Mt: minimum liquid level for continuos duty

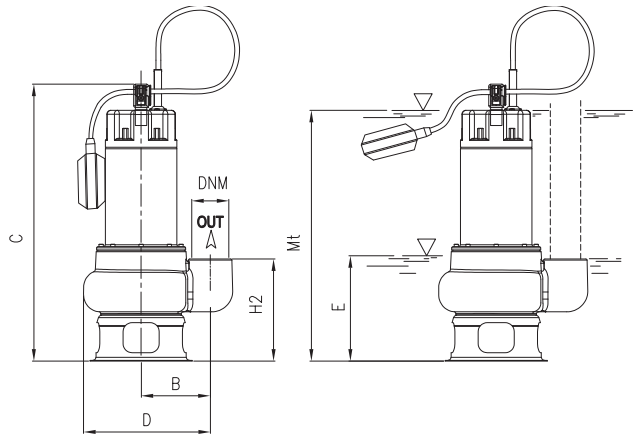


TYPE		DIMENSIONS (mm)										Kg
1~	3~	B	C	D	E	H2	Mt	DNM	I	L	M	
DG 80 (G)	**DGT 80**	115	421	199	155	174	370	1”1/2 G	250	183	448	13,5
DG 80/2 (G)	**DGT 80/2**	115	421	199	155	174	370	2” G	250	183	448	14
DG 100 (G)	**DGT 100**	115	421	199	155	174	370	1”1/2 G	250	183	448	15,5
DG 100/2 (G)	**DGT 100/2**	115	421	199	155	174	370	2” G	250	183	448	15,5
DG 82 (G)	**DGT 82**	120	437	210	171	190	386	2” G	264	203	482	15
DG 102 (G)	**DGT 102**	120	437	210	171	190	386	2” G	264	203	482	16



TYPE - 50 Hz		P1	CURRENT		Q (m³/h - l/min)						
1~	3~		1~ 230V	3~ 400V	0	6	12	18	24	30	36
					0	100	200	300	400	500	600
		kW	A		H (m)						
DG 150 (G)	**DGT 150**	1,55	7,1	2,9	11,0	10,4	9,6	8,3	6,8	4,6	2,1

E: maximum emptying level
Mt: minimum liquid level for continuos duty



TYPE		DIMENSIONS (mm)										Kg
1~	3~	B	C	D	E	H2	Mt	DNM	I	L	M	
DG 150 (G)	**DGT 150**	115	469	210	160	170	417	2" G	200	260	470	19