DC

DC 160-310

DCT 410-1000

DCT 410-1000/P

Centrifugal drainage high head pumps ideal for civil and industrial applications, specifically designed for very heavy use. Available in the mobile or permanent versions with coupling feet.

Grey water

Construction features

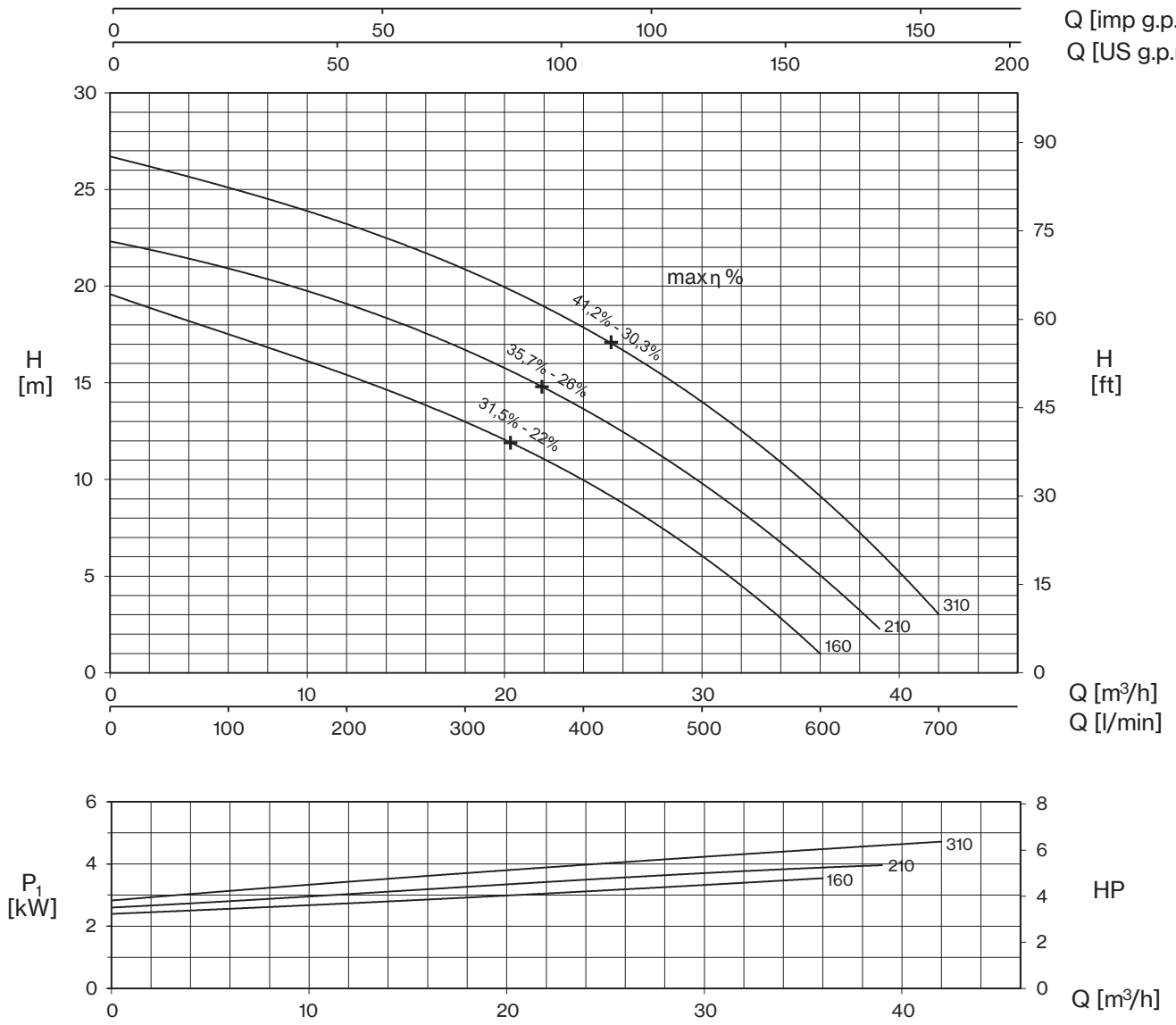
Pump body	cast iron
Impeller	cast iron
Mechanical seal	double seal with oil barrier: silicon carbide on pump side, ceramic-graphite on motor side
Motor shaft	stainless steel AISI 304
Free passage	Ø max 10 mm
Max submergence	20 m
Liquid temperature	0 - 40 °C
Cable	H07 RN8F, 10 m
Bolts	A2 stainless steel
Foot support	galvanized iron
Gaskets	NBR rubber

Motor

2 Poles induction motor	3~ 220V - 60Hz 3~ 380V - 60Hz 3~ 220/380V - 60Hz 1~ 220V - 60Hz required run capacitor (35µF for 1,5HP model, 50µF for 2HP model)
Insulation class	F
Protection degree	IPX8

TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
DC 160-310	85×110×145	18	85×110×190	27
DCT 410-560	85×110×170	12	85×110×170	12
DCT 750-1000	100×120×190	12	100×120×190	12

DC



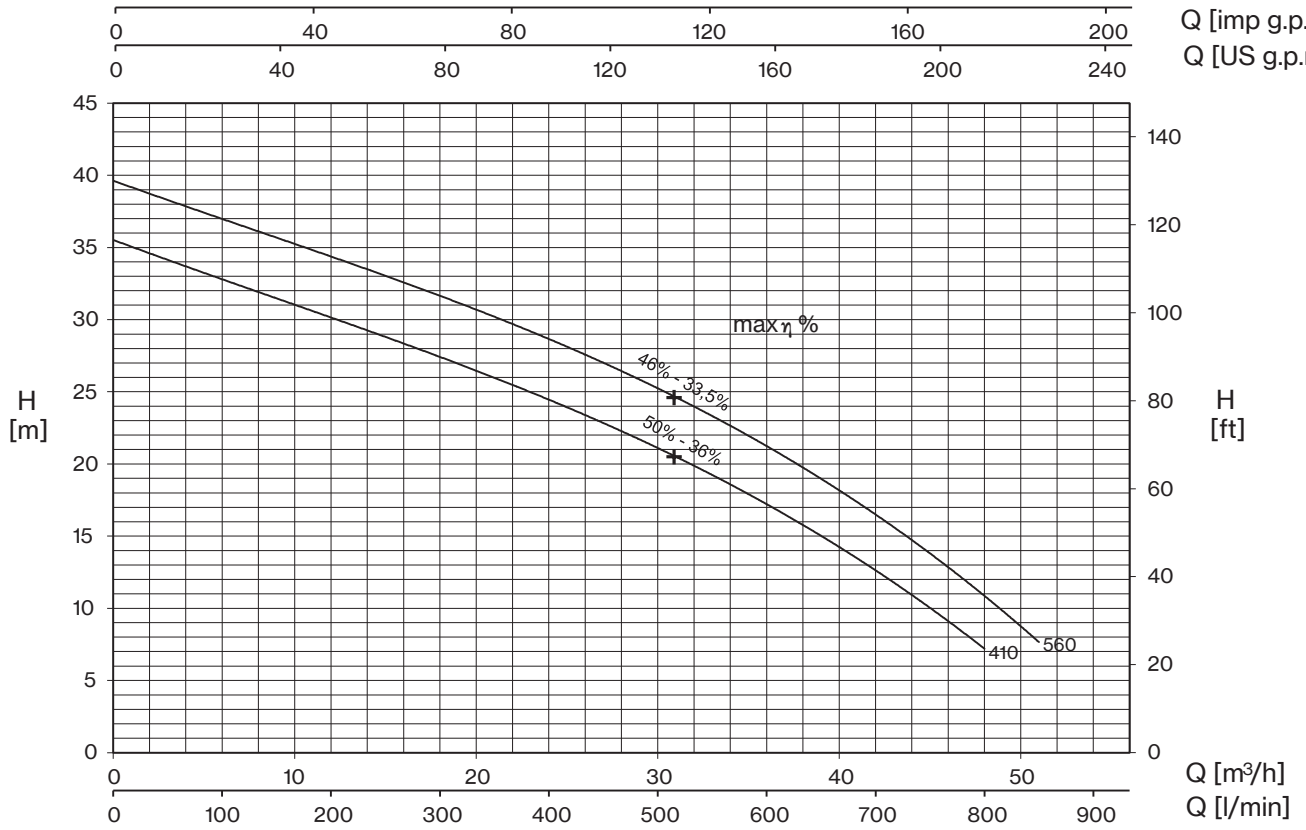
TYPE		AMPERE			
1~	3~	220 V 60 Hz	3x220 V 60 Hz	3x380 V 60 Hz (*)	220/380 V 60 Hz ⅄ / △
DC 160	**DCT 160**	18,6	10,6	6,1	-
DC 210	**DCT 210**	20,6	12,3	7,1	-
-	**DCT 310**	-	14,5	8,4	-

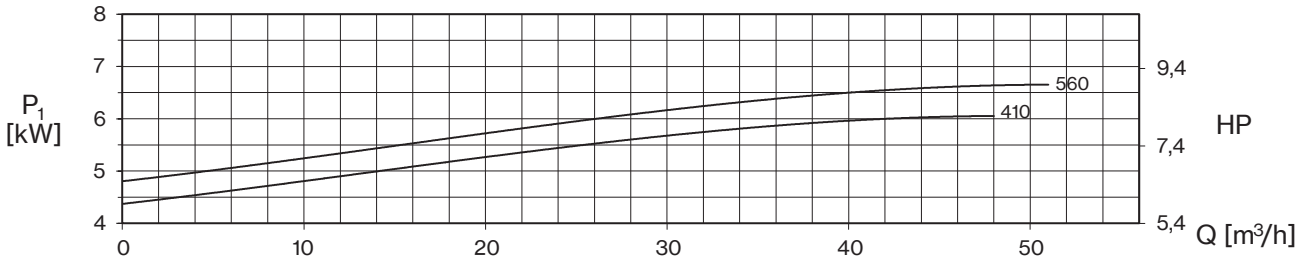
(*) no standard execution

+ max η %

max hydraulic efficiency and respective total efficiency

TYPE		P2		P1 (kW)		Q (m³/h - l/min)								
						0	6	12	18	24	30	36	39	42
						0	100	200	300	400	500	600	650	700
1~	3~	HP	kW	1~	3~	H (m)								
DC 160	**DCT 160**	1,5	1,1	3,9	3,6	19,6	17,5	15,4	13,0	10,0	6,0	1		
DC 210	**DCT 210**	2	1,5	4,3	4,0	22,3	21,0	19,0	16,7	13,7	9,8	5,0	2,3	
-	**DCT 310**	3	2,2	-	4,7	26,6	25,3	23,3	20,7	17,7	14,1	9,3	6,3	2,9





TYPE	AMPERE		
3~	3x220 V 60 Hz	3x380 V 60 Hz (*)	220/380 V 60 Hz ⅄ / △
DCT 410	18,0	10,4	-
DCT 560	20,3	11,7	-

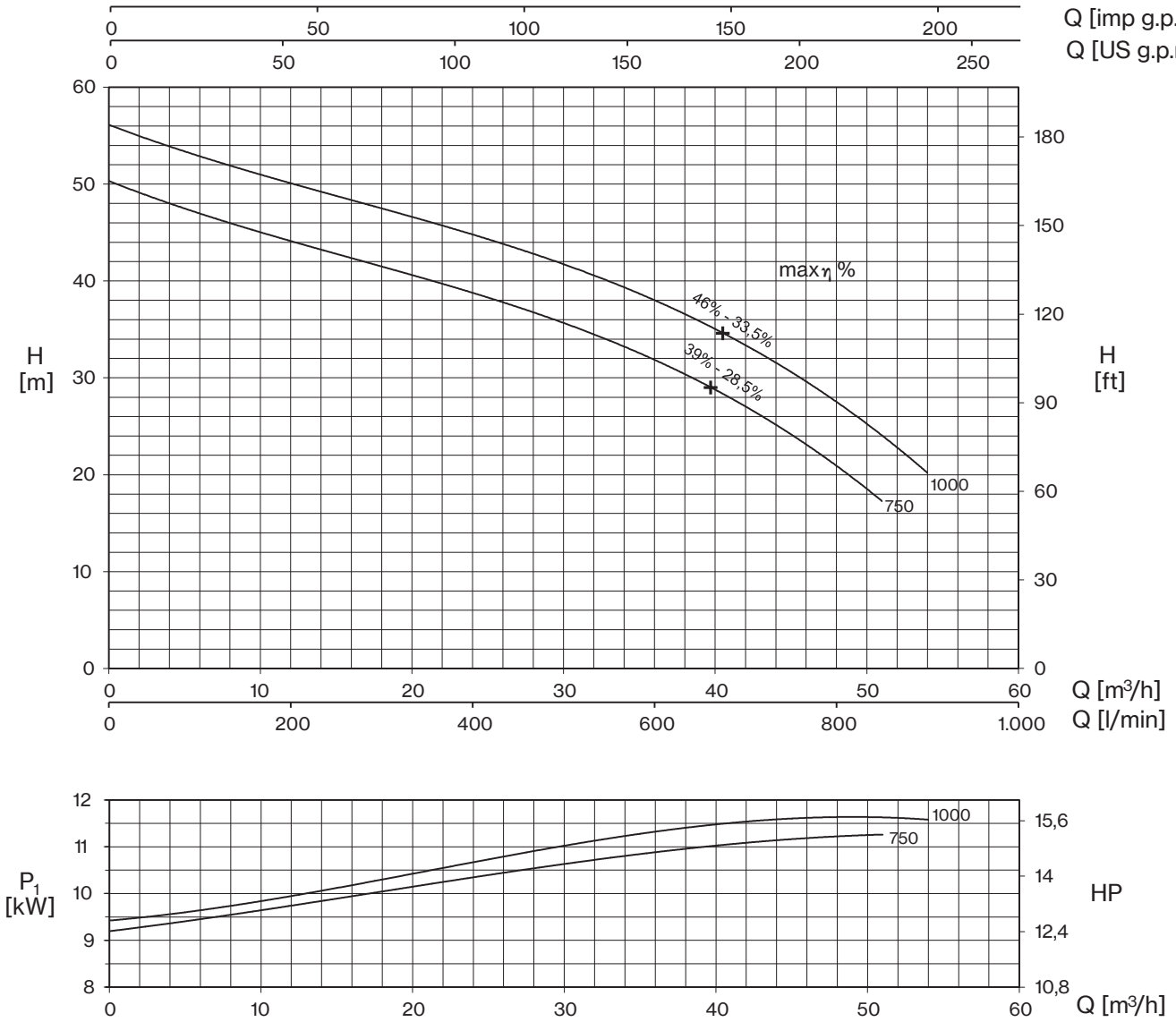
(*) no standard execution

+ max η %

max hydraulic efficiency and respective total efficiency

TYPE	P2		P1 (kW)	Q (m³/h - l/min)									
				0	6	12	18	24	30	36	42	48	51
3~				0	100	200	300	400	500	600	700	800	850
	HP	kW	3~	H (m)									
DCT 410	4	3	6,1	35,5	32,9	30,0	27,5	24,5	21,0	17,3	12,6	7,2	
DCT 560	5,5	4	6,7	39,5	37,2	34,4	31,6	28,6	25,1	21,3	16,6	11,0	7,5

DC



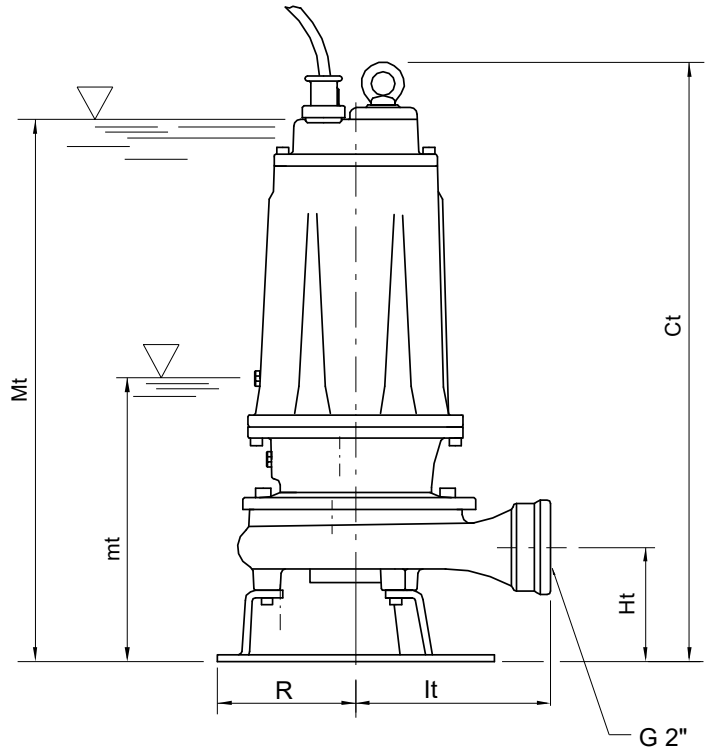
TYPE	AMPERE		
3~	3x220 V 60 Hz	3x380 V 60 Hz (*)	220/380 V 60 Hz ⅄ / △
DCT 750	-	20,2	35,0
DCT 1000	-	20,8	36,0

(*) no standard execution

+ max η %

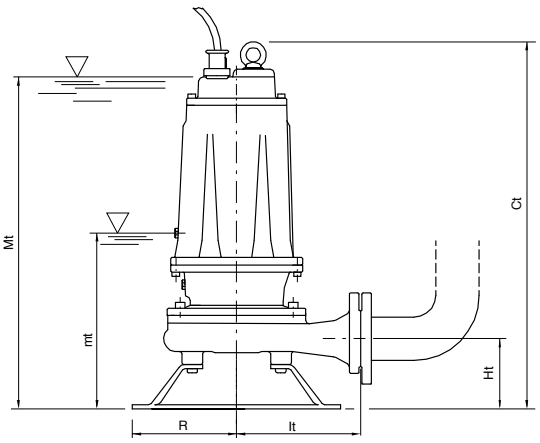
max hydraulic efficiency and respective total efficiency

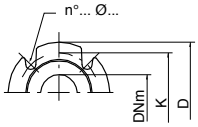
TYPE	P2		P1 (kW)	Q (m³/h - l/min)										
				0	6	12	18	24	30	36	42	48	51	54
				0	100	200	300	400	500	600	700	800	850	900
3~	HP	kW	3~	H (m)										
DCT 750	7,5	5,5	11,1	50,2	47,1	44,3	41,5	38,7	35,4	31,7	27,5	21,1	17,0	
DCT 1000	10	7,5	11,7	56,0	53,0	50,2	47,6	44,7	41,5	37,9	33,5	27,8	24,2	19,9



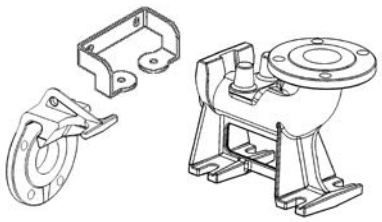
mt: minimum working level
Mt: minimum submengence level for continuos duty

TYPE	DIMENSIONS (mm)							Kg
	Ct	Ht	R	It	mt	Mt	DNM	
DC 160 - DCT 160	513	102	117	174	205	475	2" G	36,5
DC 210 - DCT 210	513	102	117	174	205	475	2" G	37,5
DCT 310	513	102	117	174	205	475	2" G	37

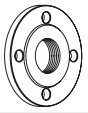




ACCESSORIES



Quick coupling kit

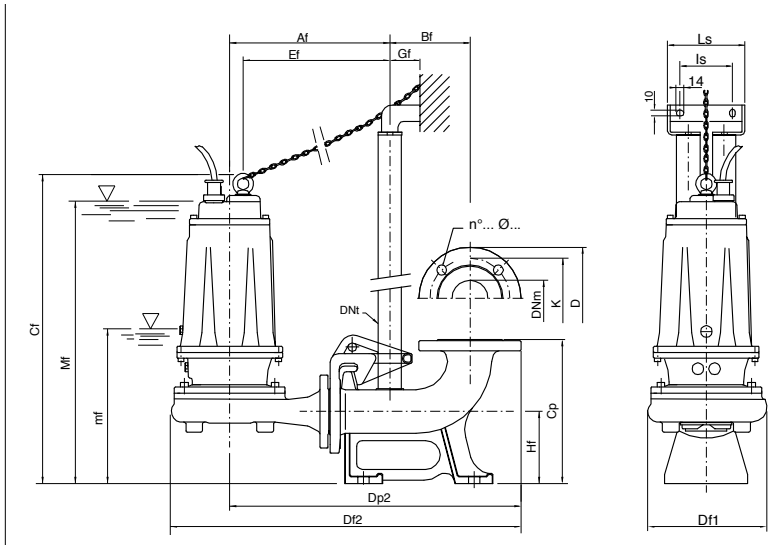


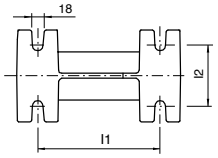
Counterflange

mt: minimum working level
Mt: minimum submengence level for continuos duty

TYPE	DIMENSIONS (mm)							Kg
	Ct	Ht	R	It	mt	Mt	DNM	
DCT 410	595	112	160	187	263	550	50	60,5
DCT 560	595	112	160	187	263	550	50	63,5
DCT 750	680	160	180	250	280	630	65	90,5
DCT 1000	680	160	180	250	280	630	65	93,5

DC





mf: minimum working level

Mf: minimum submengence level for continuos duty

TYPE	DIMENSIONS (mm)																	
	Af	Bf	Cf	Cp	Df1	Df2	Dp2	DNt	Ef	Gf	Hf	l1	l2	ls	Ls	mf	Mf	DNM
DCT 410/P	300	145	614	260	237	654	535	1" ¼	269	55	130	200	100	95	140	290	566	50
DCT 560/P	300	145	614	260	237	654	535	1" ¼	269	55	130	200	100	95	140	290	566	50
DCT 750/P	331	145	656	260	279	701	569	1" ¼	296	55	130	200	100	95	140	290	600	65
DCT 1000/P	331	145	656	260	279	701	569	1" ¼	296	55	130	200	100	95	140	290	600	65

Flange UNI PN 10 (mm)			
DNM	K	D	n°... ø...
50	125	165	4... 18...
65	145	185	4... 18...