DM

DM 160-1000



DM 160-1000/P



Single channel centrifugal drainage pumps. Specifically designed for heavy duty applications they guarantee high capacity at medium head; ideal for civil and industrial applications. Available in mobile or permanent version with coupling feet.



DM 160-560



DMT 1000

Grey water

Black water

Construction features

Painting	cataphoresis
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 50 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

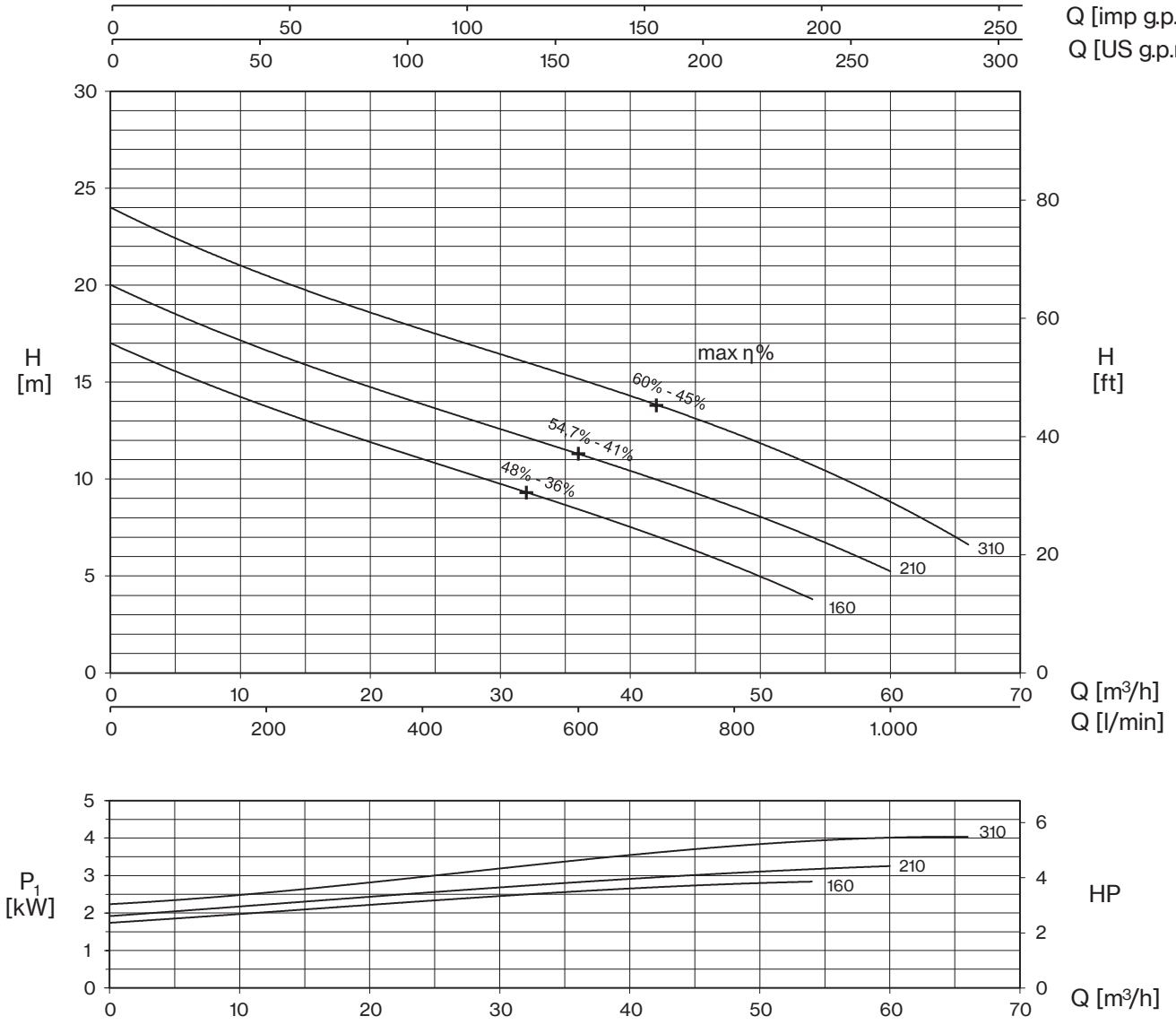
2 poles induction motor	3~ 230V - 50Hz 3~ 400V - 50Hz 3~ 230/400V - 50Hz 3~ 400/690V - 50Hz 1~ 230V - 50Hz required run capacitor (35µF for 1,5HP model, 50µF for 2HP model)
Insulation class	F
Protection degree	IPX8

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

DM T 560 -CF

- -CF: counter-flange — not included / CF included
- T: motor — 1~ / T 3~
- DM: pump type

DM



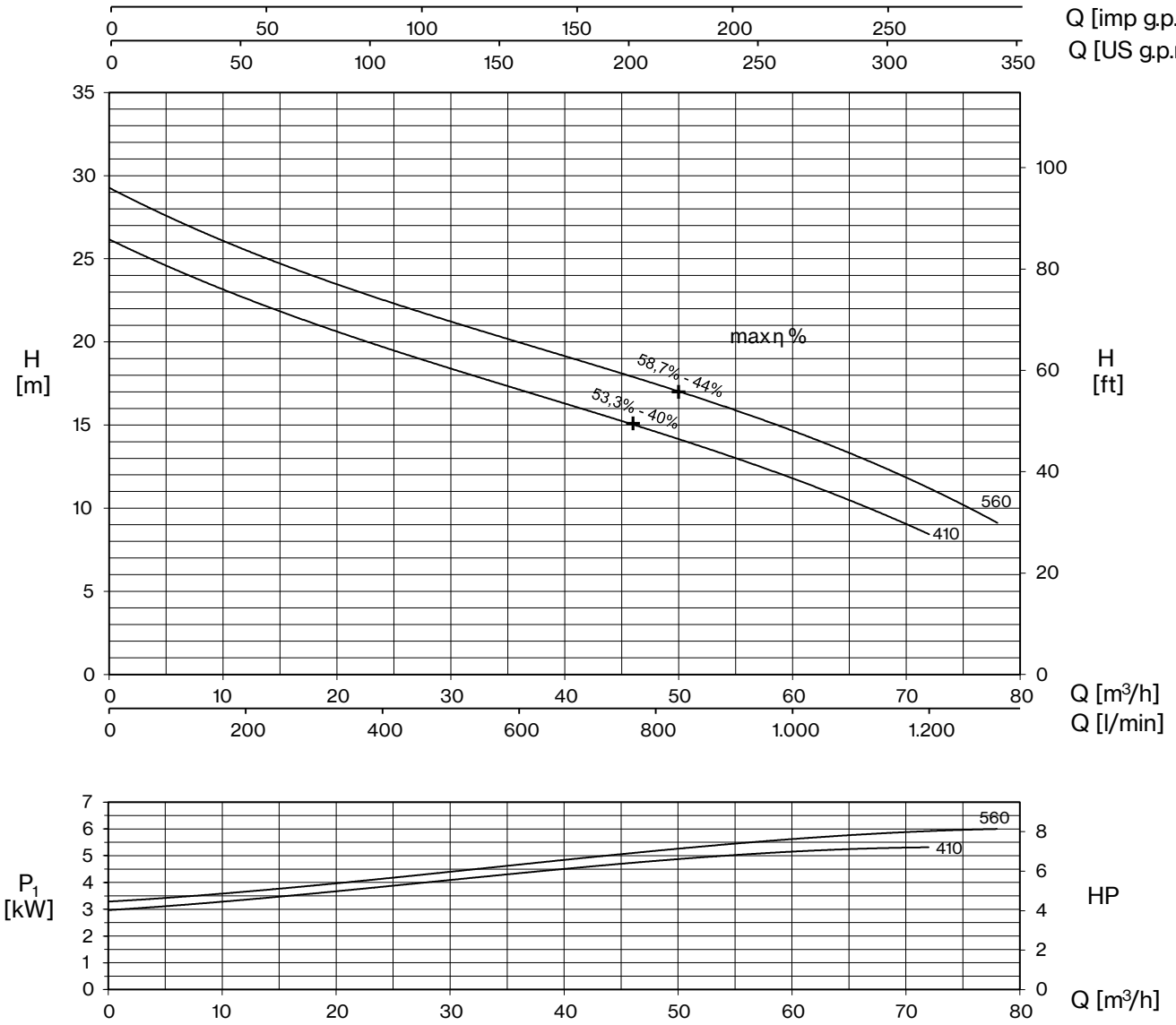
TYPE - 50 Hz		CURRENT				
1~	3~	230 V	3~ 230V (*)	3~ 400V	230/400 V ⅄ / △ (*)	400/690 V ⅄ / △
DM 160	**DMT 160**	12,5	7,6	4,4	-	-
DM 210	**DMT 210**	15	9,5	5,5	-	-
-	**DMT 310**	-	12	6,9	-	-

(*) no standard execution

+ max η %

max hydraulic efficiency and respective total efficiency

TYPE - 50 Hz		P2		P1		Q (m³/h - l/min)											
1~	3~			1~	3~	0	6	12	18	24	30	36	42	48	54	60	66
						0	100	200	300	400	500	600	700	800	900	1000	1100
		HP	kW	kW		H (m)											
DM 160	**DMT 160**	1,5	1,1	2,8	2,6	17,0	15,3	13,8	12,3	11,0	9,8	8,4	7,1	5,5	3,8		
DM 210	**DMT 210**	2	1,5	3,3	3,1	19,9	18,4	16,7	15,2	13,8	12,4	11,3	10,1	8,6	7,0	5,2	
-	**DMT 310**	3	2,2	-	4,1	23,9	22,2	20,6	19,1	17,8	16,3	15,0	13,8	12,3	10,9	9,1	6,4



TYPE - 50 Hz	CURRENT			
3~	3~ 230V (*)	3~ 400V	230/400 V ⅄ / △ (*)	400/690 V ⅄ / △
DMT 410	15,4	8,9	-	-
DMT 560	17,6	10,2	-	-

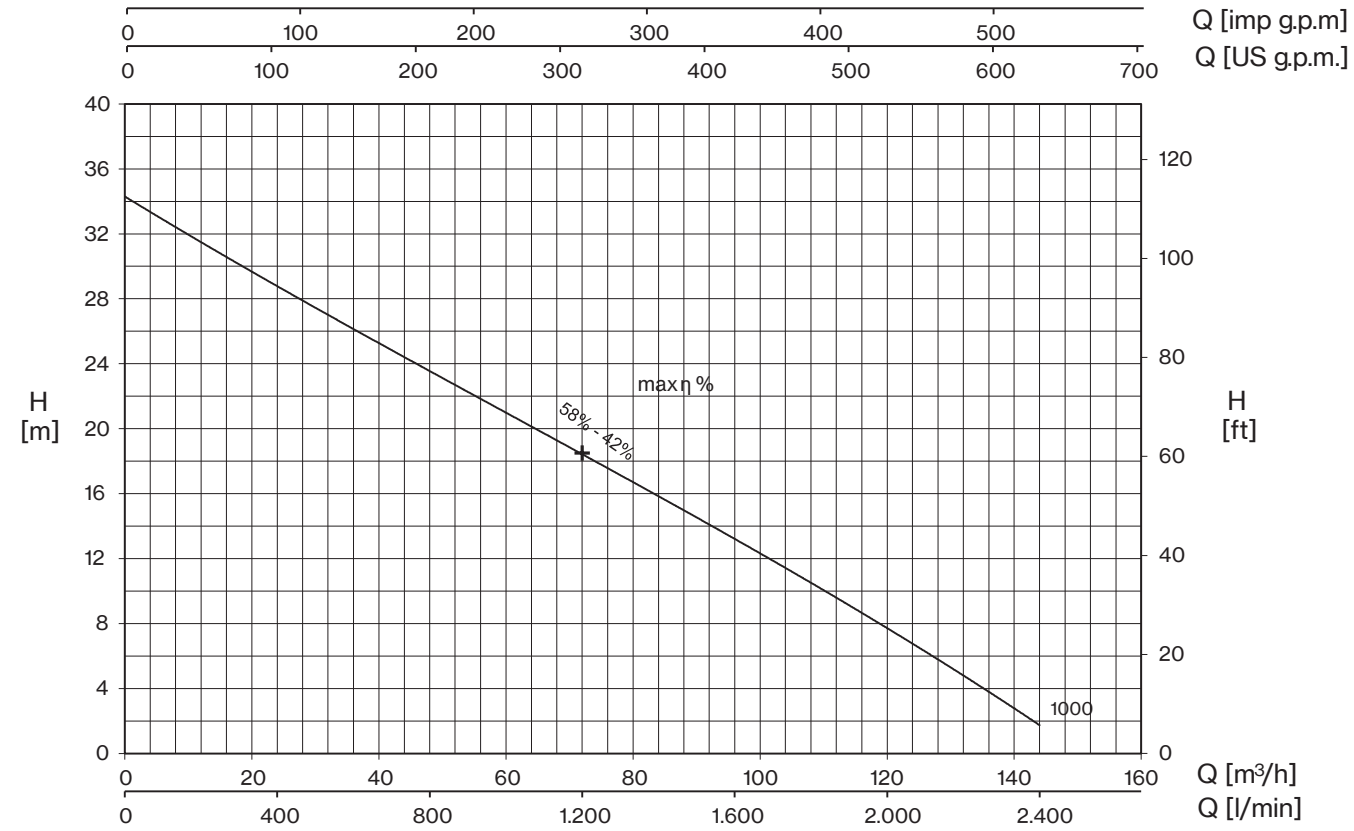
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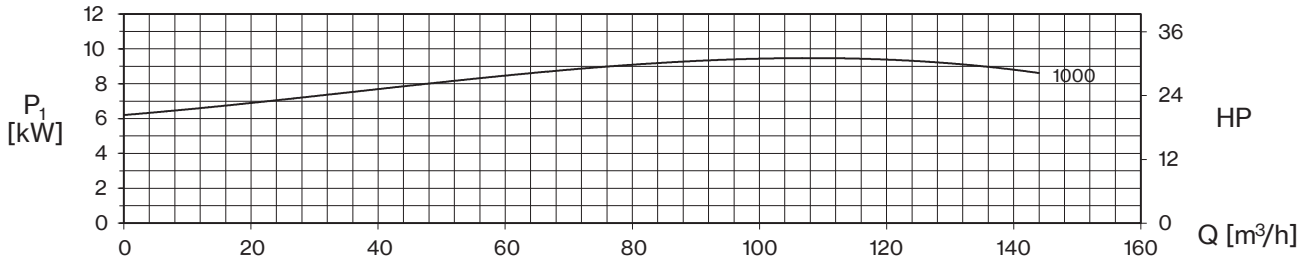
+ max η %

max hydraulic efficiency and respective total efficiency

TYPE - 50 Hz	P2		P1	Q (m³/h - l/min)									
3~				0	6	18	30	42	54	60	66	72	78
				0	100	300	500	700	900	1000	1100	1200	1300
	HP	kW	kW	H (m)									
DMT 410	4	3	5,3	26	24,6	21,1	18,2	15,9	13,3	11,8	10,3	8,3	
DMT 560	5,5	4	6,0	29,1	27,5	24,1	21,1	18,6	16,1	14,7	13,1	11,4	8,9

DM





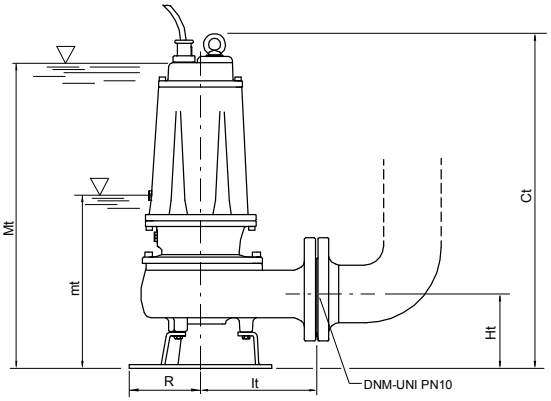
TYPE - 50 Hz	CURRENT			
3~	3~ 230V (*)	3~ 400V	230/400 V ⅄ / △ (*)	400/690 V ⅄ / △
DMT 1000	-	16,3	28,2	16,3

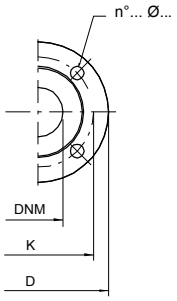
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+ max η %

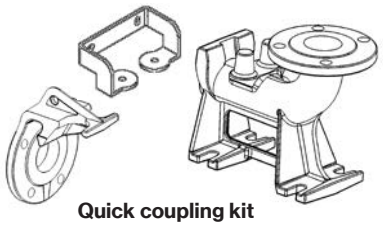
max hydraulic efficiency and respective total efficiency

TYPE - 50 Hz	P2		P1	Q (m³/h - l/min)												
3~				0	12	24	36	48	60	72	84	96	108	120	132	144
				0	200	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400
	HP	kW	kW	H (m)												
DMT 1000	10	7,5	9,6	34,9	30,9	28,3	26,1	23,7	21,3	18,7	16,1	13,2	10,2	7,4	4,6	2,1

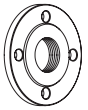




ACCESSORIES



Quick coupling kit

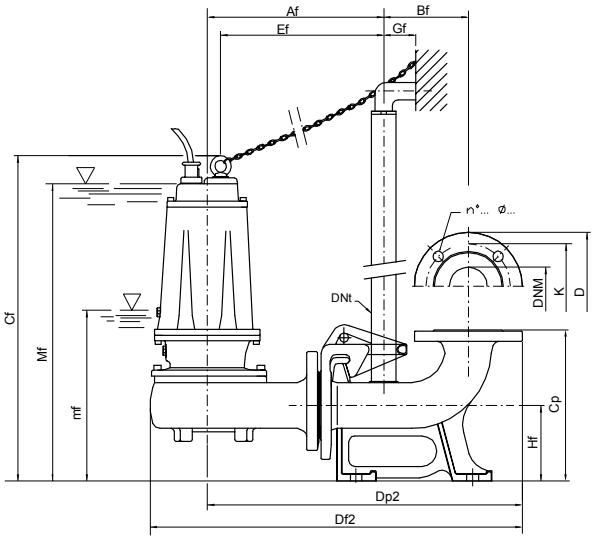


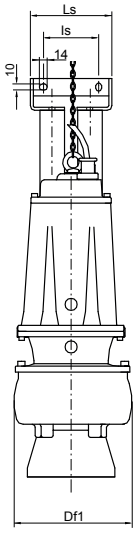
Counterflange

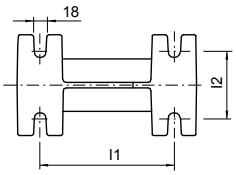
mt: minimum working level

Mt: minimum submengence level for continuos duty

TYPE		DIMENSIONS (mm)							Kg	
1~	3~	Ct	Ht	R	It	mt	Mt	DNM	1~	3~
DM 160	**DMT 160**	551	123	117	191	243	513	65	41,5	40
DM 210	**DMT 210**	551	123	117	191	243	513	65	42,5	41,5
-	**DMT 310**	551	123	117	191	243	513	65	-	42,5
-	**DMT 410**	645	148	160	210	285	600	80	-	68
-	**DMT 560**	645	148	160	210	285	600	80	-	71,5
-	**DMT 1000**	725	178	180	232	358	670	80	-	94







mf: minimum working level

Mf: minimum submengence level for continuos duty

Flange UNI PN 10 (mm)			
DNM	K	D	n°... ø...
65	145	185	4... 18...
80	160	200	8... 18...

TYPE		DIMENSIONS (mm)																	
1~	3~	Af	Bf	Cf	Cp	Df1	Df2	Dp2	DNt	Ef	Gf	Hf	I1	I2	Is	Ls	mf	Mf	DNM
DM 160/P	**DMT 160/P**	303	145	560	260	200	639	542	1" ¼	280	55	130	200	100	95	140	251	521	65
DM 210/P	**DM 210/P**	303	145	560	260	200	639	542	1" ¼	280	55	130	200	100	95	140	251	521	65
-	**DMT 310/P**	303	145	560	260	200	639	542	1" ¼	280	55	130	200	100	95	140	251	521	65
-	**DMT 410/P**	350	165	690	340	220	722	615	2"	319	85	190	250	140	130	180	327	642	80
-	**DMT 560/P**	350	165	690	340	220	722	615	2"	319	85	190	250	140	130	180	327	642	80
-	**DMT 1000/P**	370	165	745	340	235	750	638	2"	338	85	190	250	140	130	180	380	690	80

TYPE	PROTECTION		1 PUMP CONTROL PANEL			2 PUMPS CONTROL PANEL		
	1~ 230V	3~ 400V	1~ 230V	3~ 400V	400/690 V	1~ 230V	3~ 400V	400/690 V
DM 160	PMC 15/35-15	PT 20-30-40/4.3-6.8	EQSM + 35µF	EQSMT 10	-	EQ2SM + 2×35µF	EQ2SMT 10	**-**
DM 210	PMC 20/50-18	PT 20-30-40/4.3-6.8	EQSM + 50µF	EQSMT 10	-	EQ2SM + 2×50µF	EQ2SMT 10	**-**
DMT 310	-	PT 40-50/5.7-9.1	-	EQSMT 10	-	**-**	EQ2SMT 10	**-**
DMT 400	-	PT 55-75/8.6-13.5	-	EQSMT 10	-	**-**	EQ2SMT 10	**-**
DMT 560	-	PT 55-75/8.6-13.5	-	EQSMT 10	-	**-**	EQ2SMT 10	**-**
DMT 1000	-	PT 125-150/16-21	-	EQSMT 10	QST 10	**-**	EQ2SMT 15	Q2ST 10