DM4

DMT 250-750-4



DMT 250-750-4/P



Single-channel centrifugal drainage pumps: besides the high capacity they guarantee excellent head; ideal for civil and industrial applications; specifically designed for very heavy use; available in the mobile or permanent versions with coupling feet.



DMT 250-4
DMT 300-4
DMT 400-4



DMT 550-4
DMT 750-4

Grey water

Black water

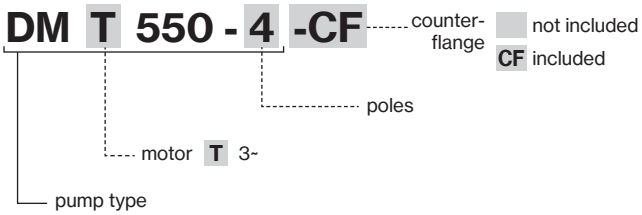
Construction features

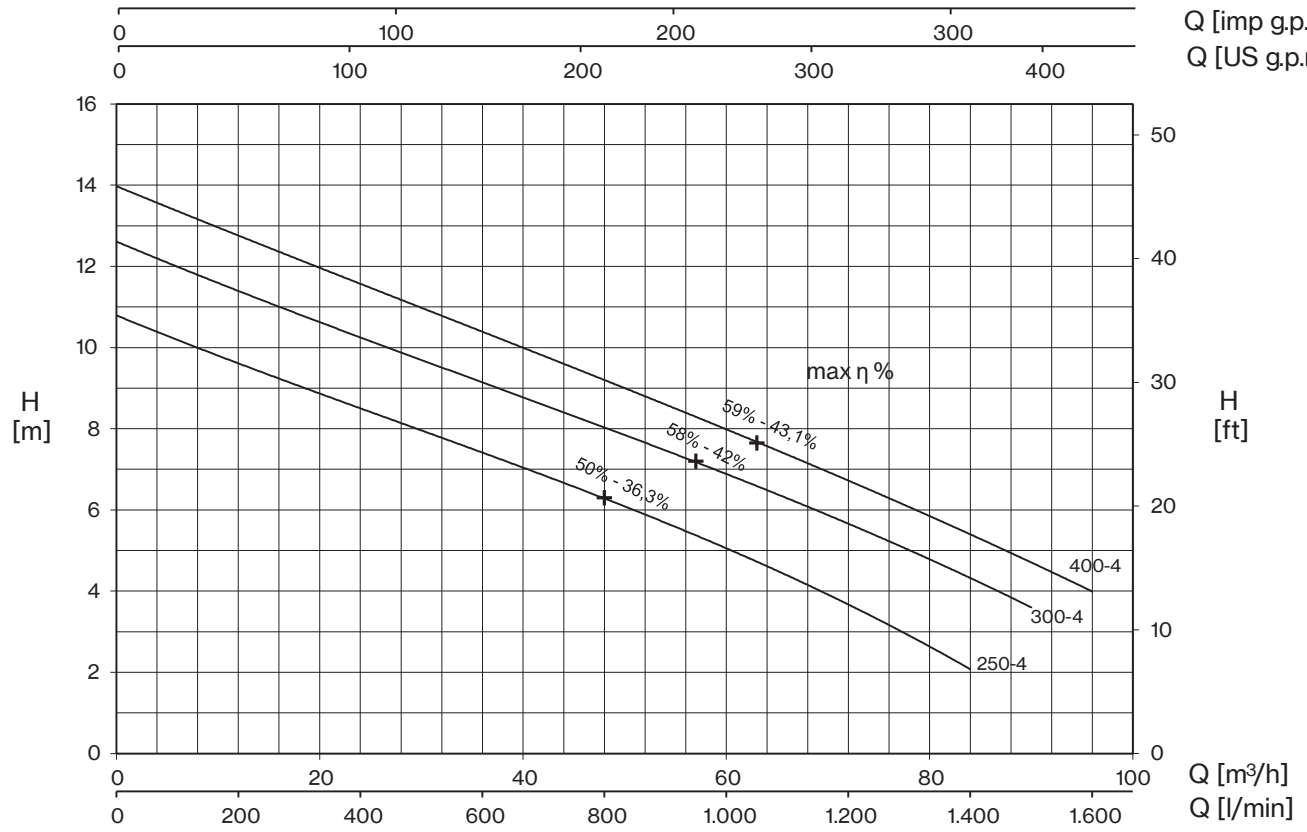
Painting	cataphoresis
Pump body	cast iron
Impeller	cast iron
Mechanical seal	double seal with oil barrier: silicon carbide on pump side, ceramic-graphite on motor side
Motor shaft	stainless steel AISI 304
Free passage	Ø max 60 mm (DMT 250/4÷400/4) Ø max 90 mm (DMT 550/4-750/4)
Max submergence	20 m
Liquid temperature	0 - 40 °C
Cable	H07 RN8F, 10 m
Bolts	A2 stainless steel
Foot support	galvanized iron
Gaskets	NBR rubber

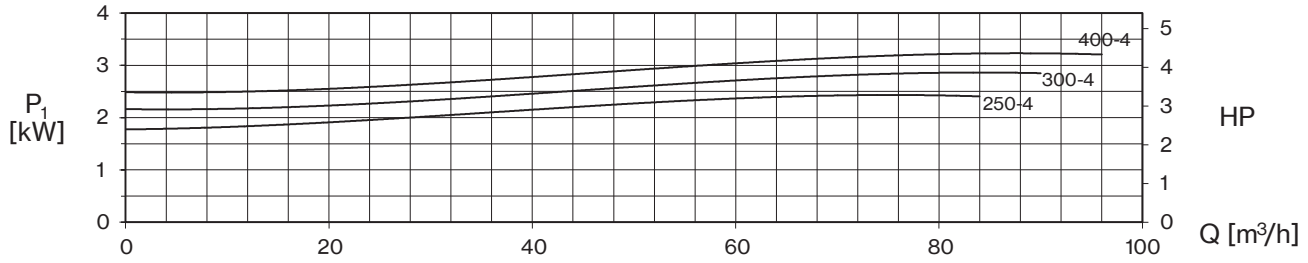
Motor

4 poles induction motor	3~ 230V - 50Hz 3~ 400V - 50Hz 3~ 230/400V - 50Hz 3~ 400/690V - 50Hz
Insulation class	F
Protection degree	IPX8

LOTS				
TYPE	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
DMT 250-4÷750-4	85×110×190	12	100×120×190	12







TYPE - 50 Hz	CURRENT			
3~	3~ 230V (*)	3~ 400V	230/400 V ⅄ / △ (*)	400/690 V ⅄ / △
DMT 250-4	7,8	4,5	-	-
DMT 300-4	9	5,2	-	-
DMT 400-4	11,2	6,5	-	-

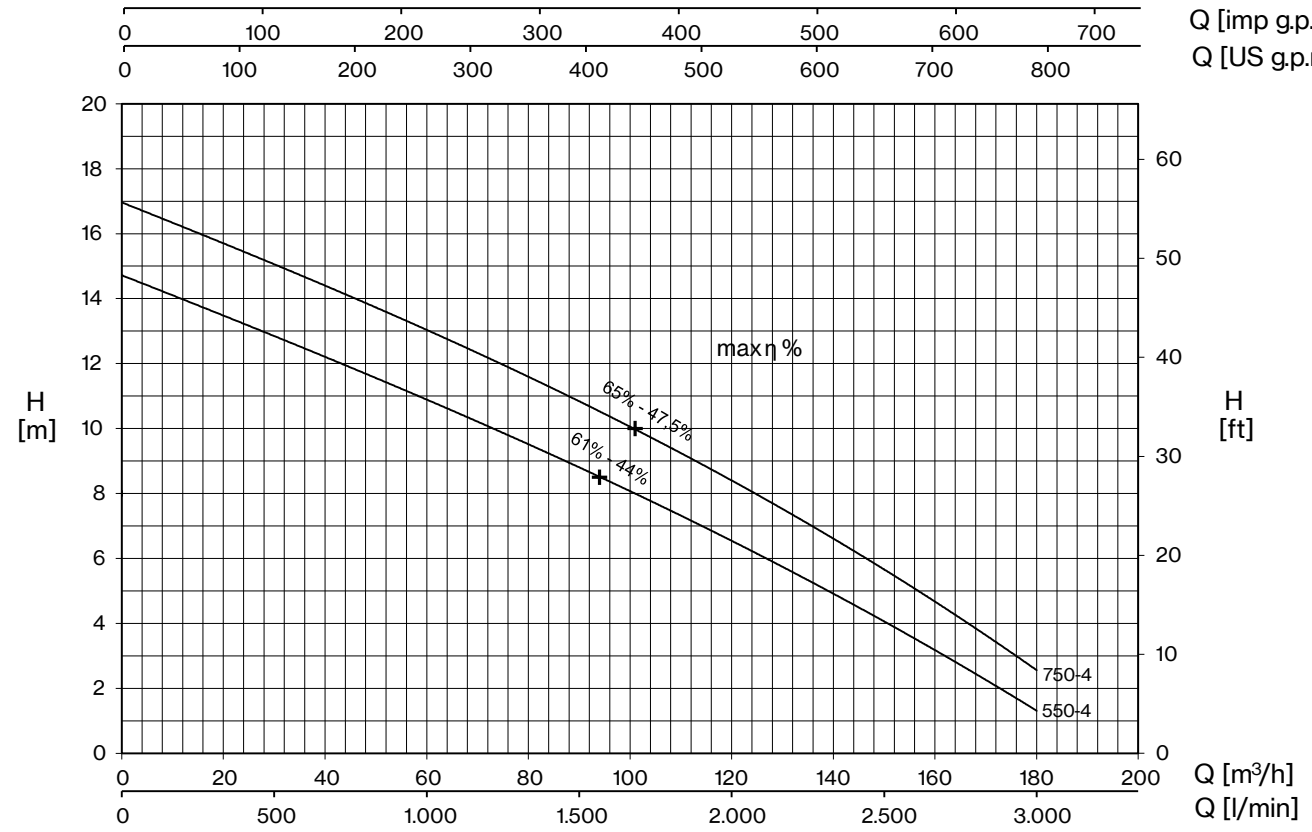
(*) no standard execution

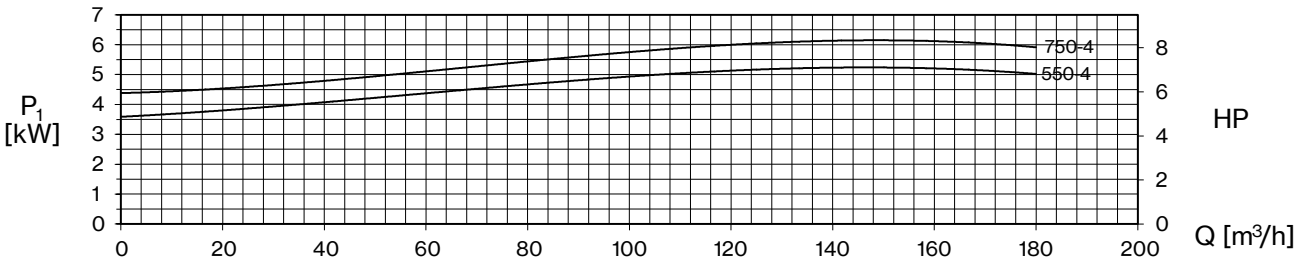
+ max η %

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	90	96
				0	200	400	600	800	1000	1200	1400	1500	1600
	HP	kW	kW	H (m)									
DMT 250-4	2,5	1,8	2,4	10,8	9,6	8,5	7,4	6,3	5,1	3,6	2,1		
DMT 300-4	3	2,2	2,9	12,6	11,4	10,3	9,1	8,0	6,9	5,7	4,3	3,6	
DMT 400-4	4	3	3,2	14,0	12,7	11,6	10,4	9,2	8,0	6,7	5,4	4,7	4,0

DM4





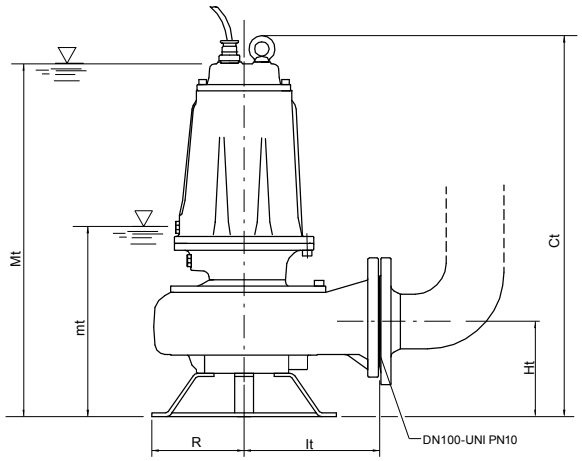
TYPE - 50 Hz	CURRENT			
3~	3~ 230V (*)	3~ 400V	230/400V ⅄ / △ (*)	400/690V ⅄ / △
DMT 550-4	-	9,4	16,3	9,4
DMT 750-4	-	11,8	20,4	11,8

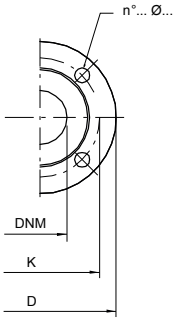
(*) no standard execution

+ max η %

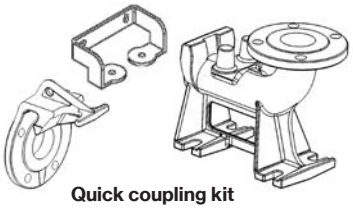
max hydraulic efficiency and respective total efficiency

TYPE - 50 Hz	P2		P1	Q (m³/h - l/min)														
3~				0	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180
				0	200	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
	HP	kW	kW	H (m)															
DMT 550-4	5,5	4	5,2	14,7	14,0	13,2	12,5	11,7	10,9	10,1	9,2	8,3	7,5	6,5	5,6	4,6	3,6	2,4	1,3
DMT 750-4	7,5	5,5	6,1	17,0	16,2	15,4	14,7	13,8	13,0	12,2	11,4	10,4	9,4	8,4	7,3	6,2	5,1	3,8	2,6

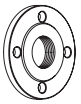




ACCESSORIES



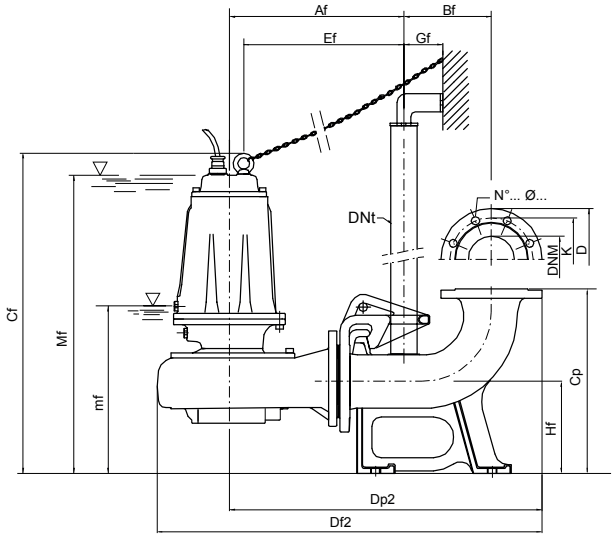
Quick coupling kit

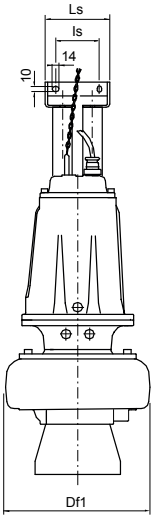


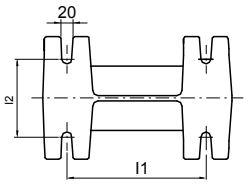
Counterflange

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

TYPE	DIMENSIONS (mm)							Kg
3~	Ct	Ht	R	It	mt	Mt	DNM	
DMT 250-4	660	165	160	235	300	614	100	71,5
DMT 300-4	660	165	160	235	300	614	100	74
DMT 400-4	660	165	160	235	300	614	100	77,5
DMT 550-4	715	195	180	276	385	695	100	104
DMT 750-4	715	195	180	276	385	695	100	107,5







mf: minimum working level
Mf: minimum submengence level for continuos duty

TYPE	DIMENSIONS (mm)																	
3~	Af	Bf	Cf	Cp	Df1	Df2	Dp2	DNt	Ef	Gf	Hf	l1	l2	ls	Ls	mf	Mf	DNM
DMT 250-4/P	378	190	695	400	317	835	678	2”	347	85	200	250	140	130	180	335	650	100
DMT 300-4/P	378	190	695	400	317	835	678	2”	347	85	200	250	140	130	180	335	650	100
DMT 400-4/P	378	190	695	400	317	835	678	2”	347	85	200	250	140	130	180	335	650	100
DMT 550-4/P	419	190	755	400	371	900	719	2”	384	85	200	250	140	130	180	390	700	100
DMT 750-4/P	419	190	755	400	371	900	719	2”	384	85	200	250	140	130	180	390	700	100

Flange UNI PN 10 (mm)			
DNM	K	D	n°... ø...
100	180	220	8... 18...

TYPE	PROTECTION	1 PUMP CONTROL PANEL		2 PUMPS CONTROL PANEL	
	3~ 400V	3~ 400V	400/690 V	3~ 400V	400/690 V
DMT 250-4	PT 40-50/5.7-9.1	EQSMT 10	-	EQ2SMT 10	-
DMT 300-4	PT 40-50/5.7-9.1	EQSMT 10	-	EQ2SMT 10	-
DMT 400-4	PT 40-50/5.7-9.1	EQSMT 10	-	EQ2SMT 10	-
DMT 550-4	PT 55-75/8.6-13.5	EQSMT 10	-	EQ2SMT 10	-
DMT 750-4	PT 100/12.5-16.5	EQSMT 10	QST 5	EQ2SMT 10	Q2ST 5