

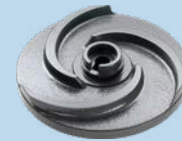
DC 160-310

DCT 410-1000

DCT 410-1000/P



Centrifugal drainage pump that guarantees high head. 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

Passage of solids 10 mm

Depth of immersion max 20 m

Liquid temperature 0 - 40 °C

Cable H05 RN8F, 10 m

Bolts A2 stainless steel

Foot support galvanized iron

Gaskets NBR rubber

Motor

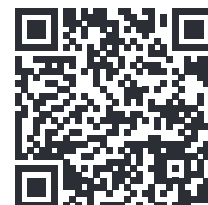
3~ 230/400V-50Hz P ≤ 4kW
3~ 400/690V-50Hz P > 4kW

2 Poles induction motor 1- 230V-50Hz
required run capacitor
(35µF for 1,5HP model,
50µF for 2HP model)

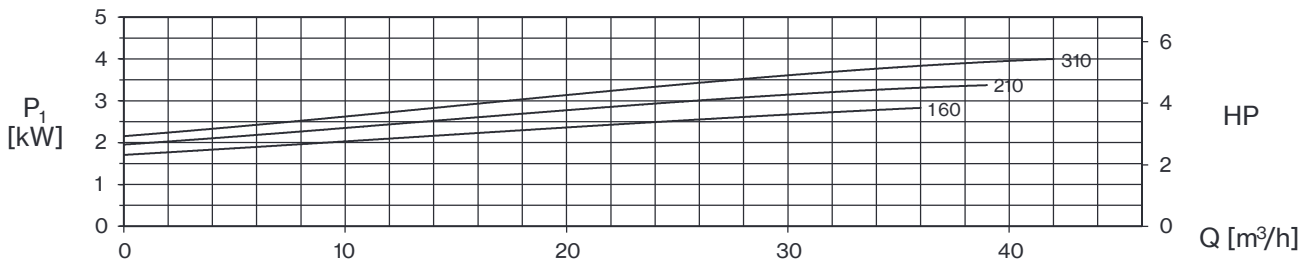
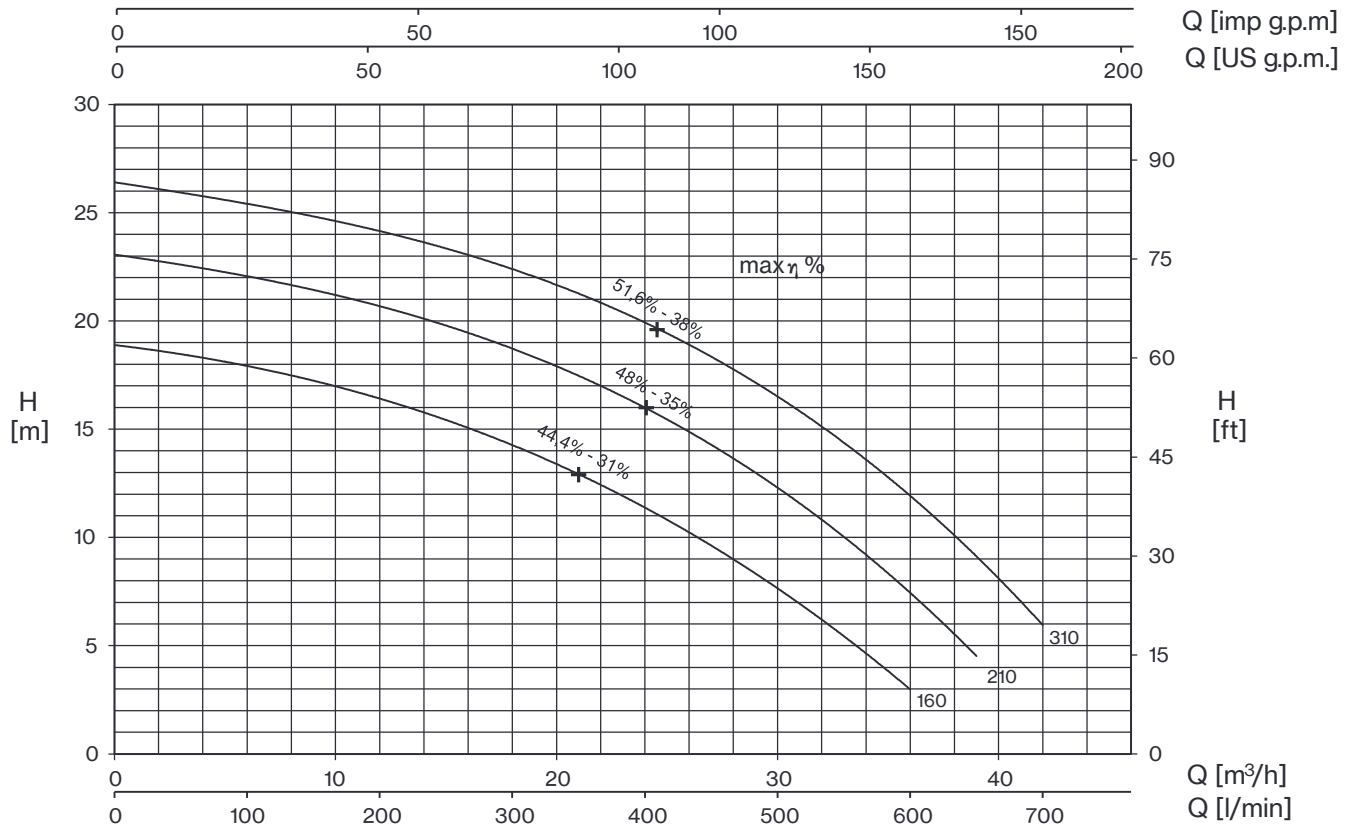
Insulation class F

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~	230 V 50 Hz	3x230 V 50 Hz (*)	3x400 V 50 Hz	230/400 V 50 Hz λ/Δ (*)	400/690 V 50 Hz λ/Δ
DC 160	DCT 160	13,8	8,3	4,8	-	-
DC 210	DCT 210	16,5	10,2	5,9	-	-
-	DCT 310	-	12	6,9	-	-

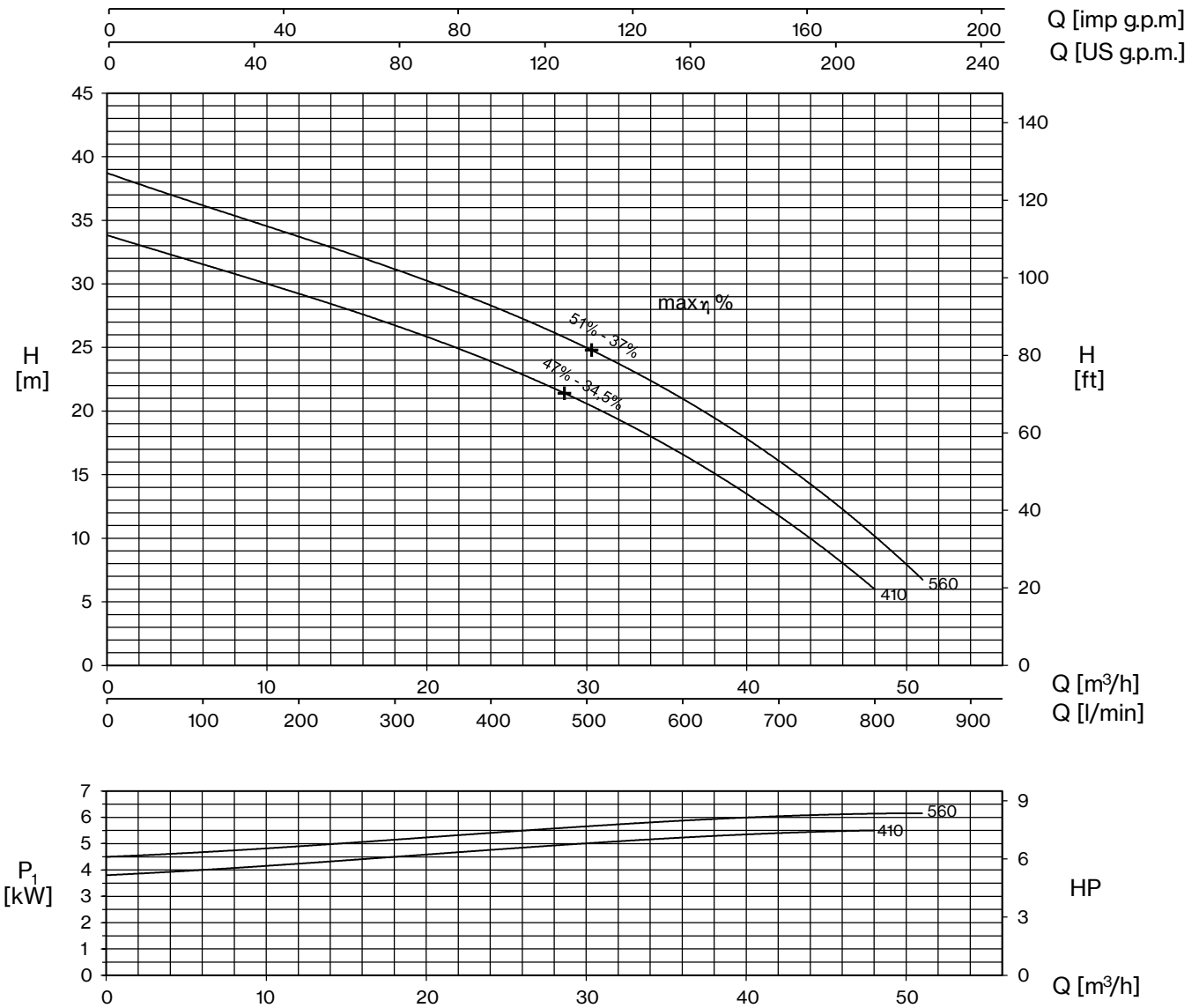
+ max η %

max hydraulic efficiency and respective total efficiency

(*) no standard execution

TYPE		P ₂		P ₁ (kW)		Q (m³/h - l/min)									
1~	3~	HP	kW	1~	3~	0	6	12	18	24	30	36	39	42	
						0	100	200	300	400	500	600	650	700	
						H (m)									
DC 160	DCT 160	1,5	1,1	3,0	2,8	18,9	17,9	16,4	14,3	11,4	7,6	3,0			
DC 210	DCT 210	2	1,5	3,7	3,4	23,0	22,2	20,7	18,6	15,9	12,5	7,4	4,5		
-	DCT 310	3	2,2		4,0	26,4	25,4	24,2	22,4	19,9	16,4	12,1	9,1	5,9	





TYPE	AMPERE			
	3x230 V 50 Hz (*)	3x400 V 50 Hz	230/400 V 50 Hz λ / Δ (*)	400/690 V 50 Hz λ / Δ
DCT 410	15,4	8,9	-	-
DCT 560	17,6	10,2	-	-

(*) no standard execution

+ max η %

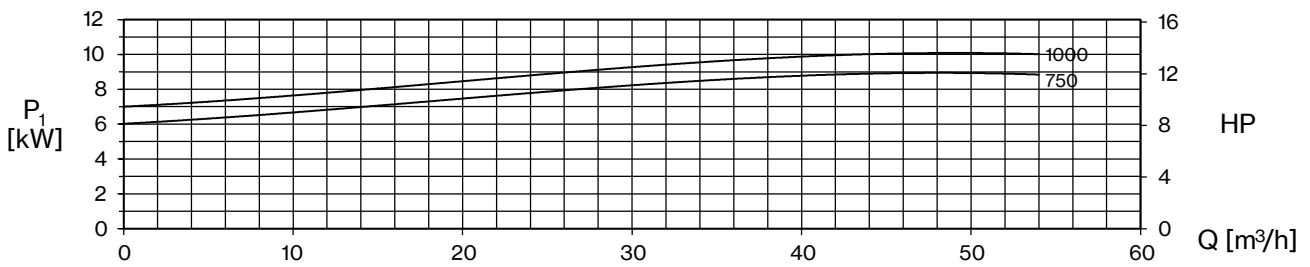
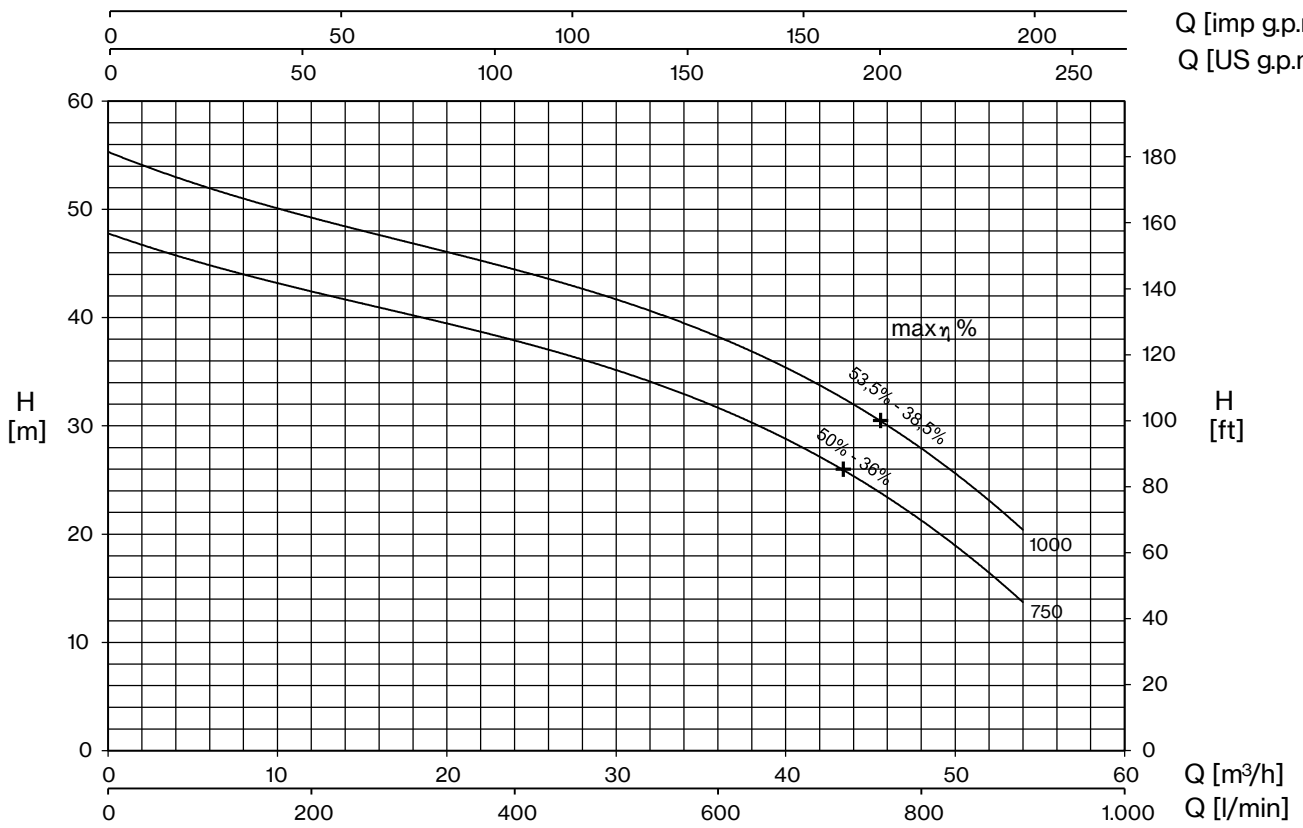
max hydraulic efficiency and respective total efficiency

TYPE	P2		P1 (kW)	Q (m³/h - l/min)										
				0	6	12	18	24	30	36	42	48	51	
	HP	kW	3~	0	100	200	300	400	500	600	700	800	850	
DCT 410	4	3	5,5	33,8	31,6	29,2	26,8	23,9	20,5	16,5	12,0	5,9		
DCT 560	5,5	4	6,3	38,7	36,1	33,9	31,2	28,3	24,7	20,9	16,3	10,4	6,5	



DC

Q [imp g.p.m]
Q [US g.p.m.]



TYPE	AMPERE			
	3x230 V 50 Hz (*)	3x400 V 50 Hz	230/400 V 50 Hz λ / Δ (*)	400/690 V 50 Hz λ / Δ
DCT 750	-	15,3	26,5	15,3
DCT 1000	-	17,5	30,3	17,5

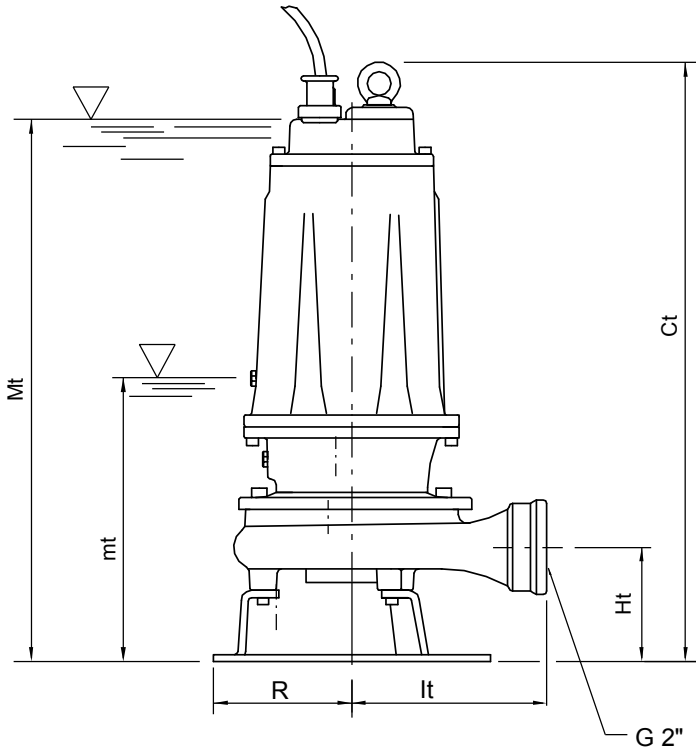
+ max η %

max hydraulic efficiency and respective total efficiency

(*) no standard execution

TYPE	P2		P1 (kW)	Q (m³/h - l/min)									
				0	12	18	24	30	36	42	48	54	
	HP	kW	3~	0	200	300	400	500	600	700	800	900	
DCT 750	7,5	5,5	9,0	47,6	42,9	40,4	37,7	34,7	31,2	27,4	22,3	13,1	
DCT 1000	10	7,5	10,3	55,1	49,8	47,1	44,2	41,1	37,8	34,0	29,1	19,7	

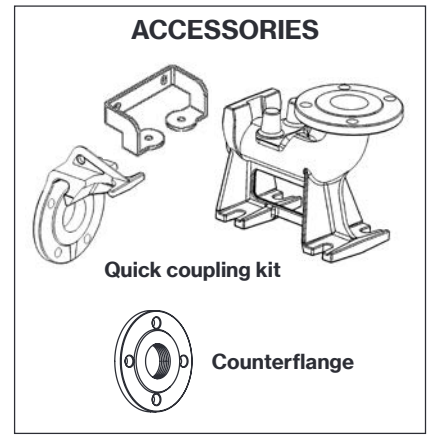
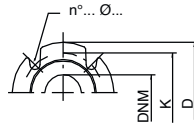
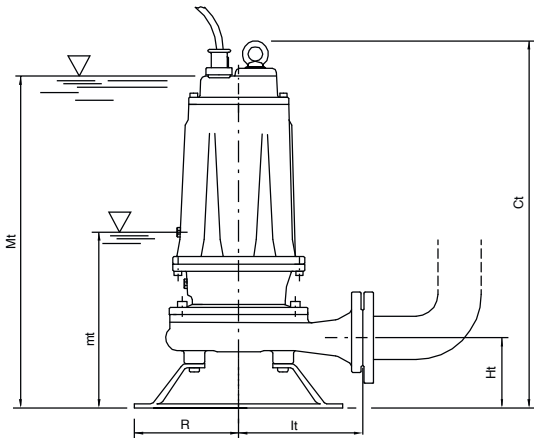




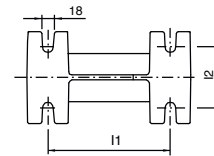
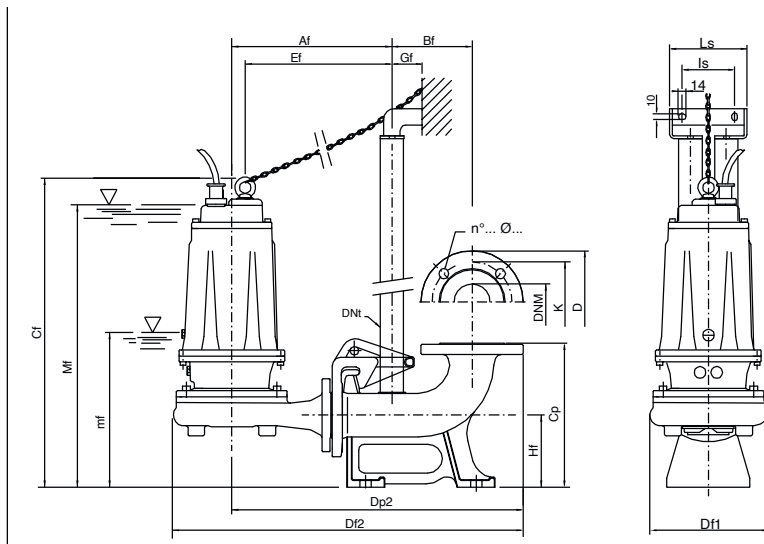
mt/mf: lowest working level
 Mt/Mf: lowest level for continuous duty

TYPE	DIMENSIONS (mm)							Kg
	Ct	Ht	R	lt	mt	Mt	DNM	
DC 160 - DCT 160	513	102	117	174	205	475	2"G	37
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

TYPE	PROTECTION		1 PUMP CONTROL PANEL			2 PUMPS CONTROL PANEL		
	1 x 230 V	3 x 400 V	1 x 230 V	3 x 400 V	400 / 690 V	1 x 230 V	3 x 400 V	400 / 690 V
DC 160	PMC 15/35-15	PT 20-30-40/4.3-6.8	EQSM + 35µF	EQSMT 10		EQ2SM + 2×35µF	EQ2SMT 10	
DC 210	PMC 20/50-18	PT 20-30-40/4.3-6.8	EQSM + 50µF	EQSMT 10		EQ2SM + 2×50µF	EQ2SMT 10	
DCT 310		PT 40-50/5.7-9.1		EQSMT 10			EQ2SMT 10	
DCT 410		PT 55-75/8.6-13.5		EQSMT 10			EQ2SMT 10	
DCT 560		PT 55-75/8.6-13.5		EQSMT 10			EQ2SMT 10	
DCT 750		PT 100/12.5-16.5		EQSMT 10	QST 7		EQ2SMT 10	Q2ST 7
DCT-1000		PT 125-150/16-21		EQSMT 10	QST 10		EQ2SMT 10	Q2ST 10



TYPE	DIMENSIONS (mm)								Kg
	Ct	Ht	R	lt	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	91	
DCT 1000	680	160	180	250	280	630	65	93,5	



mt/mf: lowest working level
Mt/Mf: lowest level for continuous duty

TYPE	DIMENSIONS (mm)																		
	Af	Bf	Cf	Cp	Df1	Df2	Dp2	Dnt	Ef	Gf	Hf	l1	l2	l3	l4	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...





Single-channel centrifugal drainage pump. Besides the high capacity it guarantees excellent head, ideal for civil and industrial applications; specifically designed for very heavy use, Available in the mobile or permanent versions with coupling feet.



Grey water



Black 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

Passage of solids 50 mm

Depth of immersion max 20 m

Liquid temperature 0 - 40 °C

Cable H05 RN8F, 10 m

Bolts A2 stainless steel

Foot support galvanized iron

Gaskets NBR rubber

Motor

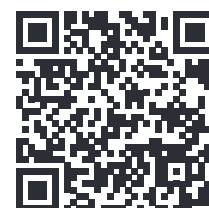
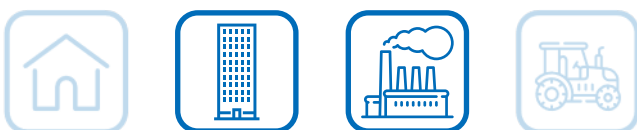
3~ 230/400V-50Hz P ≤ 4kW
3~ 400/690V-50Hz P > 4kW

2 Poles induction motor 1~ 230V-50Hz
required run capacitor
(35µF for 1,5HP model,
50µF for 2HP model)

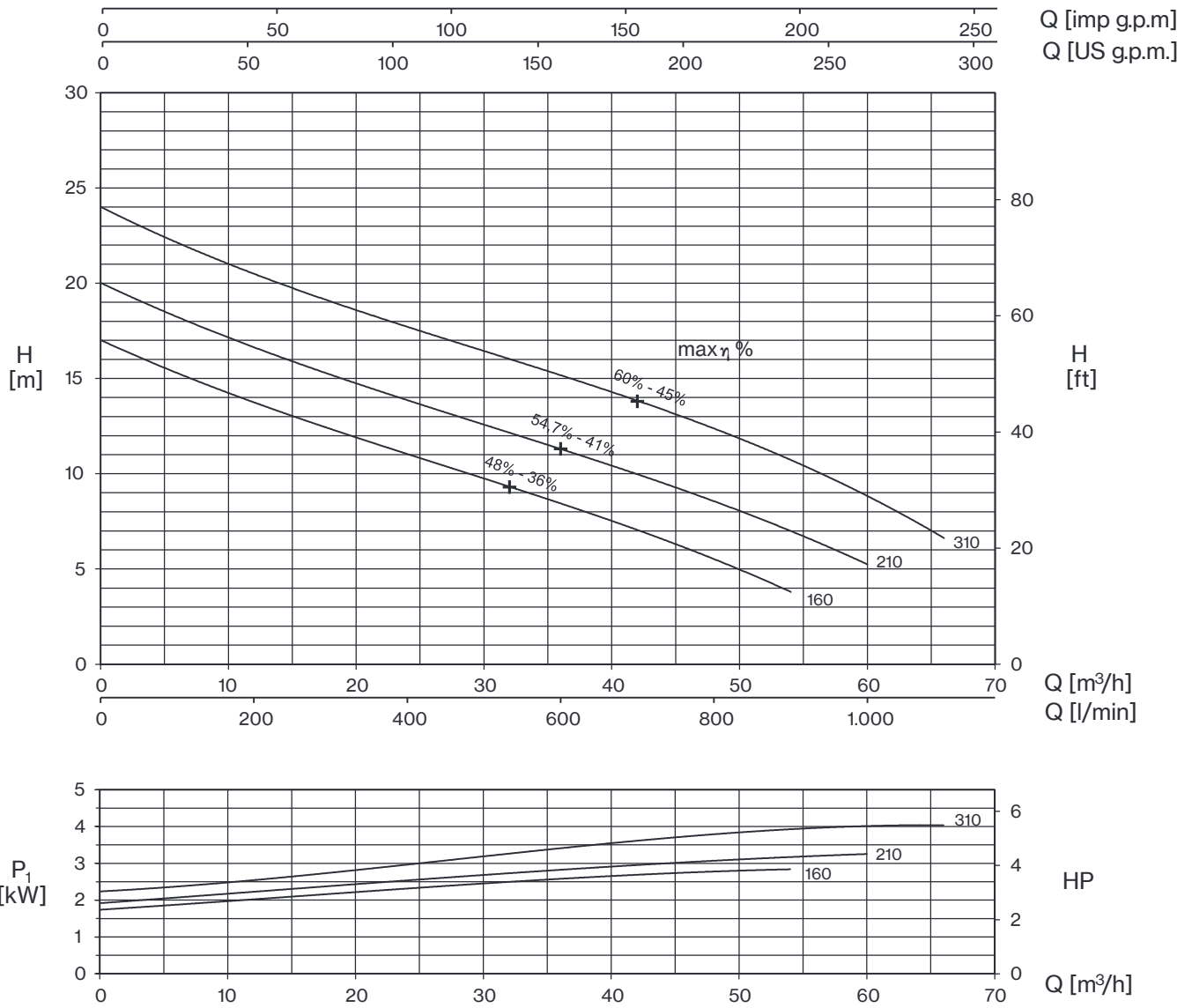
Insulation class F

Protection degree IPX8

TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
DM 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



TYPE		AMPERE				
1~	3~	230 V 50 Hz	3x230 V 50 Hz (*)	3x400 V 50 Hz	230/400 V 50 Hz λ/Δ (*)	400/690 V 50 Hz λ/Δ
DM 160	DMT 160	12,5	7,6	4,4	-	-
DM 210	DMT 210	15	9,5	5,5	-	-
-	DMT 310	-	12	6,9	-	-

+ max η %

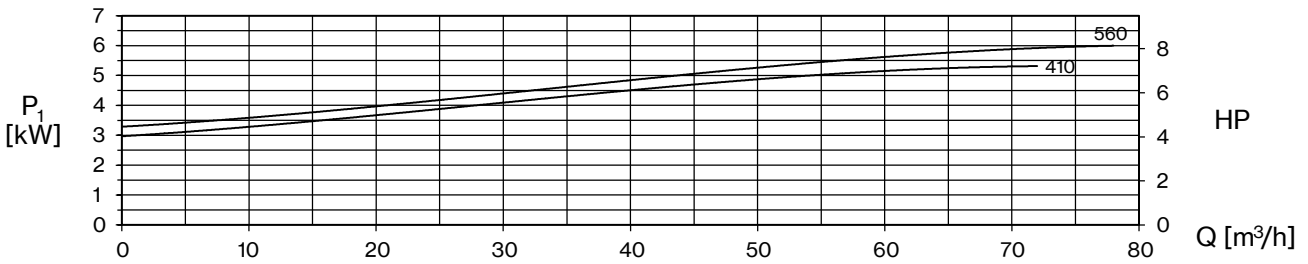
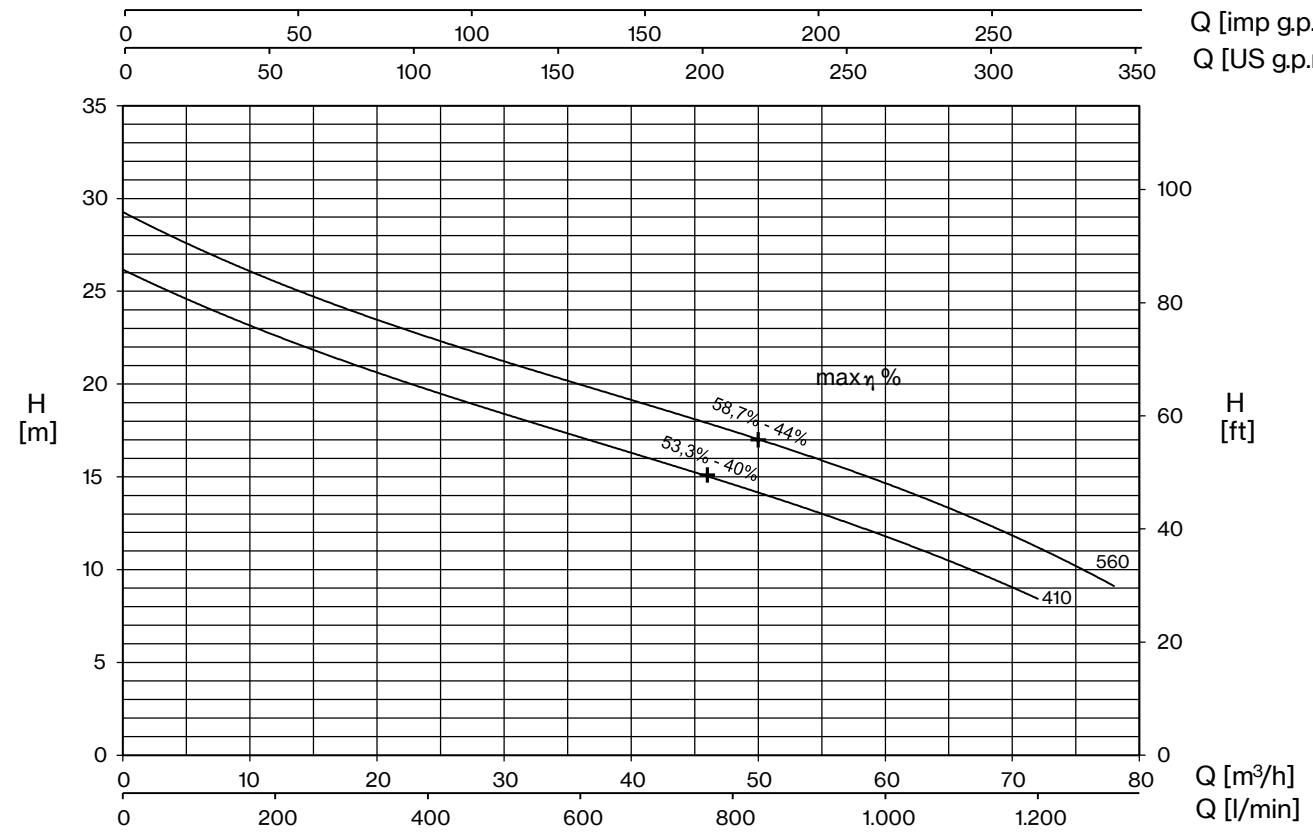
max hydraulic efficiency and respective total efficiency

(*) no standard execution

TYPE		P2		P1 (kW)		Q (m³/h - l/min)												
1~	3~	HP	kW	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	
						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	



Q [imp g.p.m]
Q [US g.p.m.]



TYPE	AMPERE			
	3x230 V 50 Hz (*)	3x400 V 50 Hz	230/400 V 50 Hz λ / Δ (*)	400/690 V 50 Hz λ / Δ
DMT 410	15,4	8,9	-	-
DMT 560	17,6	10,2	-	-

+ max η %

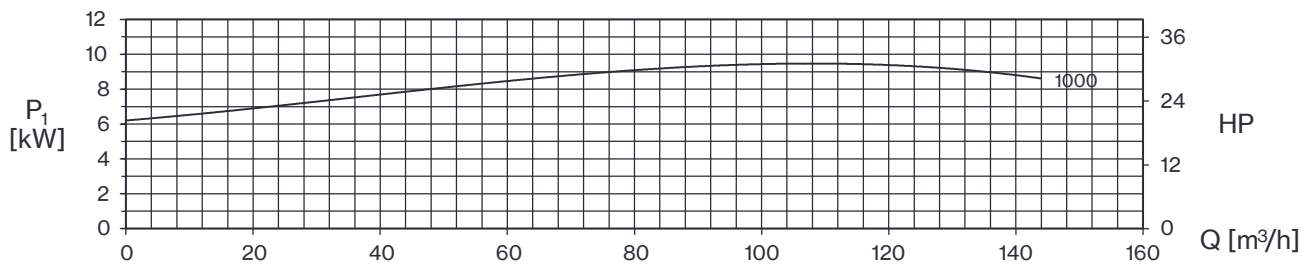
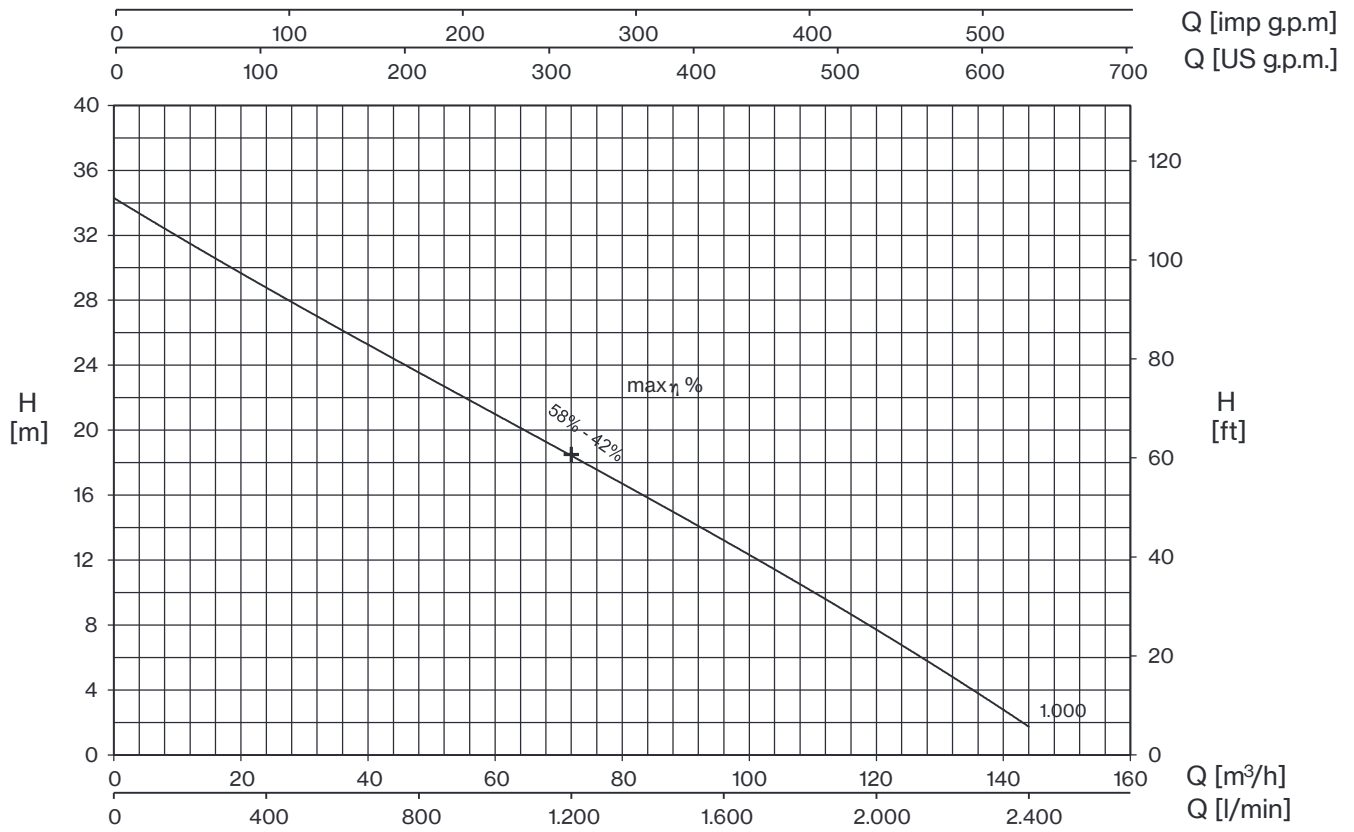
max hydraulic efficiency and respective total efficiency

(*) no standard execution

TYPE	P2		P1 (kW)	Q (m³/h - l/min)									
				0	6	18	30	42	54	60	66	72	78
	HP	kW	3~	0	100	300	500	700	900	1000	1100	1200	1300
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	AMPERE			
	3x230 V 50 Hz (*)	3x400 V 50 Hz	230/400 V 50 Hz λ / Δ (*)	400/690 V 50 Hz λ / Δ
DMT 1000	-	16,3	28,2	16,3

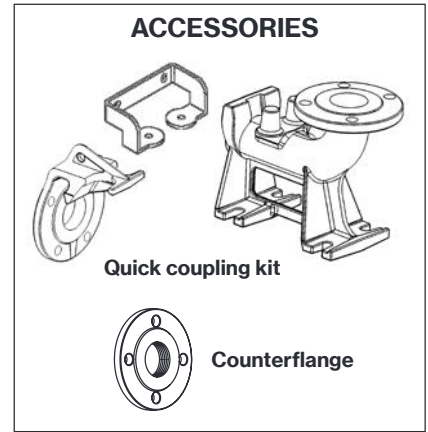
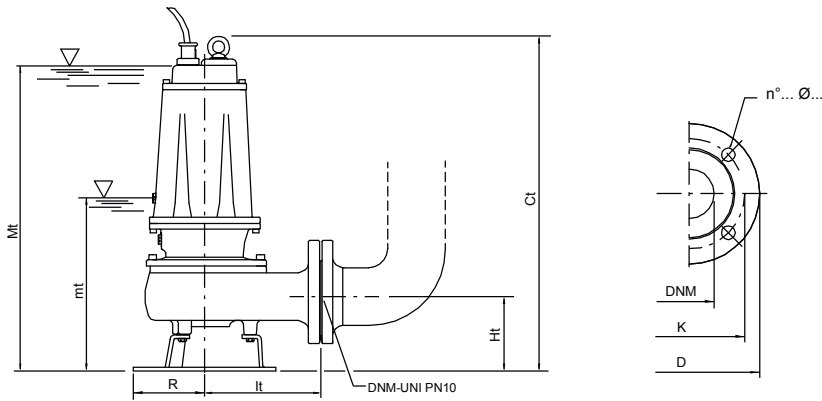
+ max η %

max hydraulic efficiency and respective total efficiency

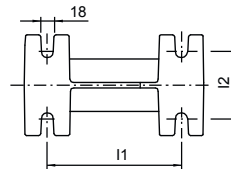
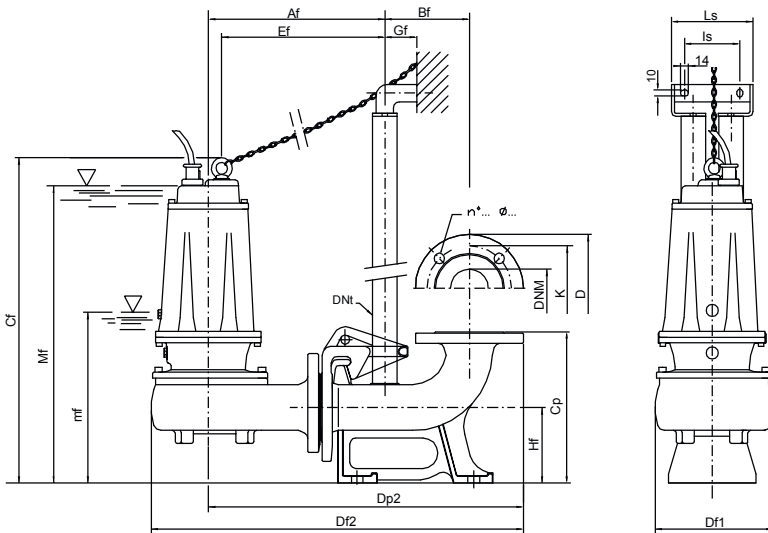
(*) no standard execution

TYPE	P2		P1 (kW)	Q (m³/h - l/min)													
				0	12	24	36	48	60	72	84	96	108	120	132	144	
	HP	kW	3~	0	200	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	
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	





TYPE	DIMENSIONS (mm)								Kg
	Ct	Ht	R	It	mt	Mt	DNM		
DMT 160	551	123	117	191	243	513	65	40	
DM 160-DMT 210	551	123	117	191	243	513	65	41,5	
DM 210-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	



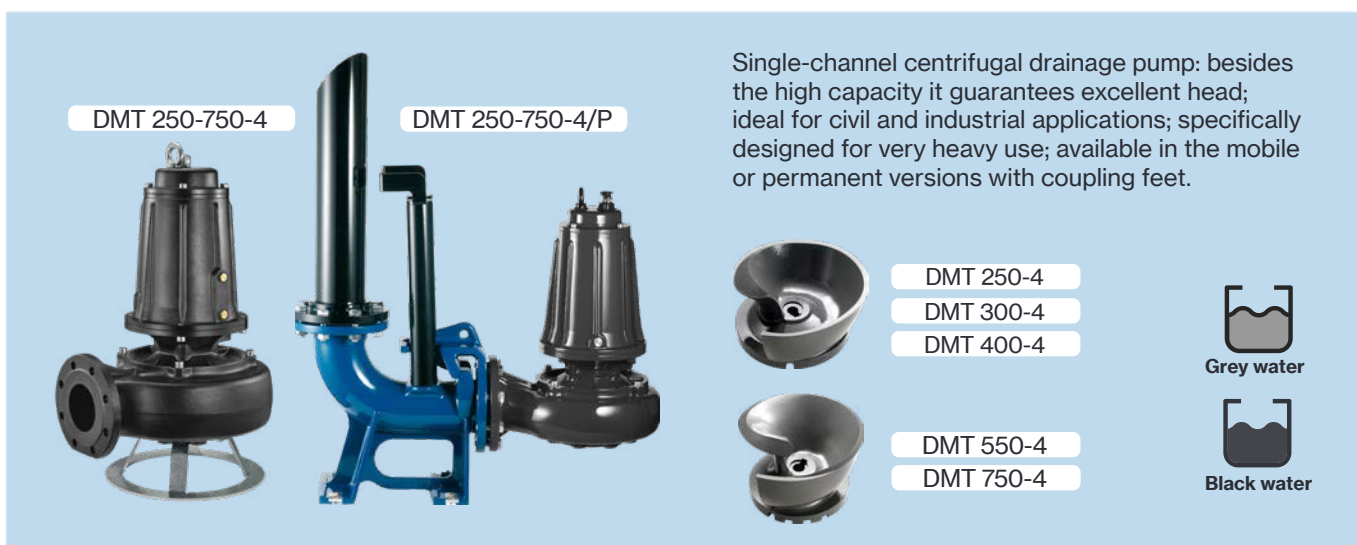
mt/mf: lowest working level
Mt/Mf: lowest level for continuous duty

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

TYPE	DIMENSIONS (mm)																		
	Af	Bf	Cf	Cp	Df1	Df2	Dp2	Dnt	Ef	Gf	Hf	l1	l2	l3	Ls	mf	Mf	DNM	
DMT 160 / P	303	145	560	260	200	639	542	1" 1/4	280	55	130	200	100	95	140	251	521	65	
DM 160 / P, DMT 210 / P	303	145	560	260	200	639	542	1" 1/4	280	55	130	200	100	95	140	251	521	65	
DM 210 / P, DMT 310 / P	303	145	560	260	200	639	542	1" 1/4	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	240	750	638	2"	350	85	190	250	140	130	180	380	690	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 x 230 V	3 x 400 V	1 x 230 V	3 x 400 V	400 / 690 V	1 x 230 V	3 x 400 V	400 / 690 V
	DM 160	PMC 15/35-15	PT 20-30-40/4.3-6.8	EQSM + 35µF	EQSMT 10		EQ2SM + 2x35µF	EQ2SMT 10
DM 210	PMC 20/50-18	PT 20-30-40/4.3-6.8	EQSM + 50µF	EQSMT 10		EQ2SM + 2x50µF	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 550		PT 55-75/8.6-13.5		EQSMT 10			EQ2SMT 10	
DMT 1000		PT 125-150/16-21		EQSMT 10	QST 10		EQ2SMT 10	Q2ST 10





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

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

Passage of solids 60 mm (DMT 250/4-400/4)
90 mm (DMT 550/4-750/4)

Depth of immersion max 20 m

Liquid temperature 0 - 40 °C

Cable H05 RN8F, 10 m

Bolts A2 stainless steel

Foot support galvanized iron

Gaskets NBR rubber

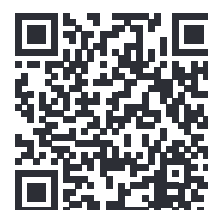
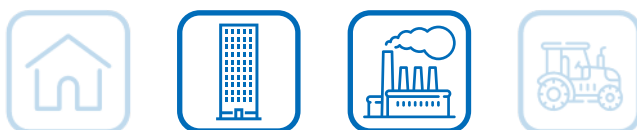
Motor

2 Poles induction motor 3~ 230/400V-50Hz P ≤ 4kW
3~ 400/690V-50Hz P > 4kW

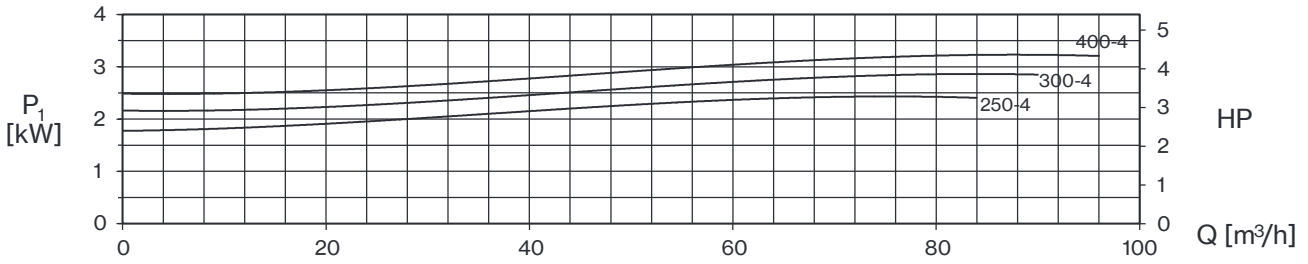
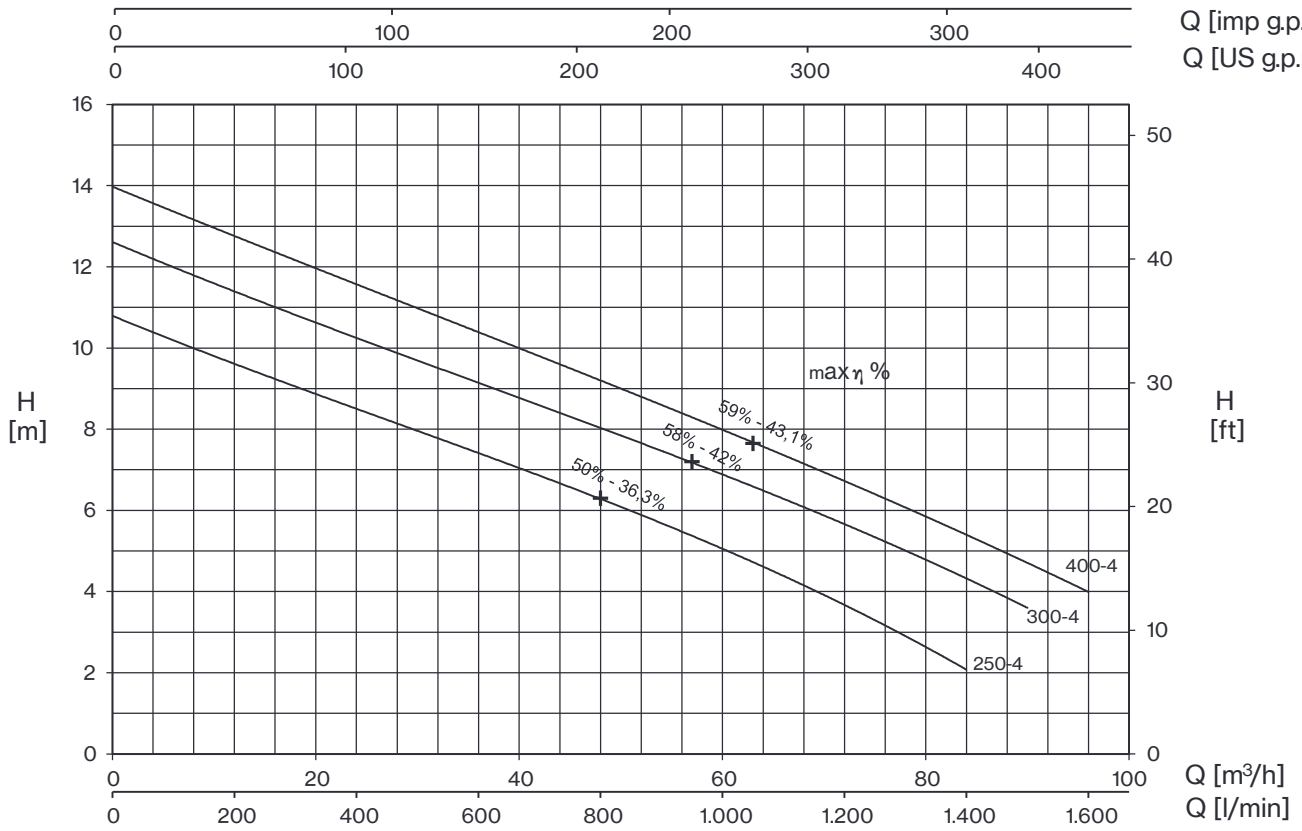
Insulation class F

Protection degree IPX8

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



Q [imp g.p.m]
Q [US g.p.m.]



TYPE	AMPERE			
	3x230 V 50 Hz (*)	3x400 V 50 Hz	230/400 V 50 Hz λ / Δ (*)	400/690 V 50 Hz λ / Δ
DMT 250-4	7,8	4,5	-	-
DMT 300-4	9	5,2	-	-
DMT 400-4	11,2	6,5	-	-

+ max η %

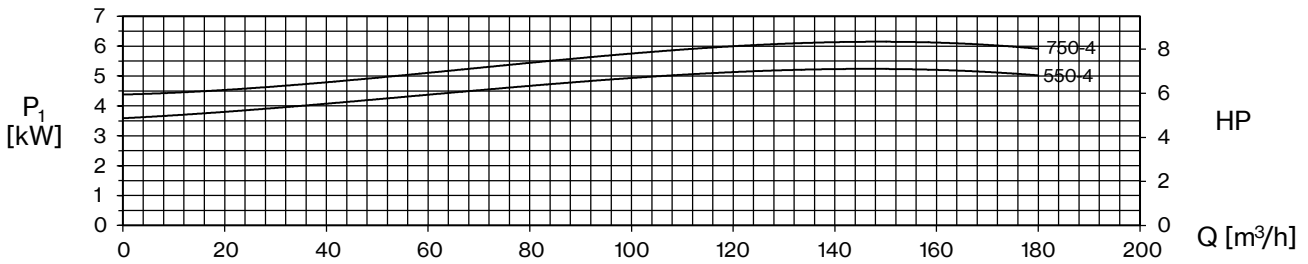
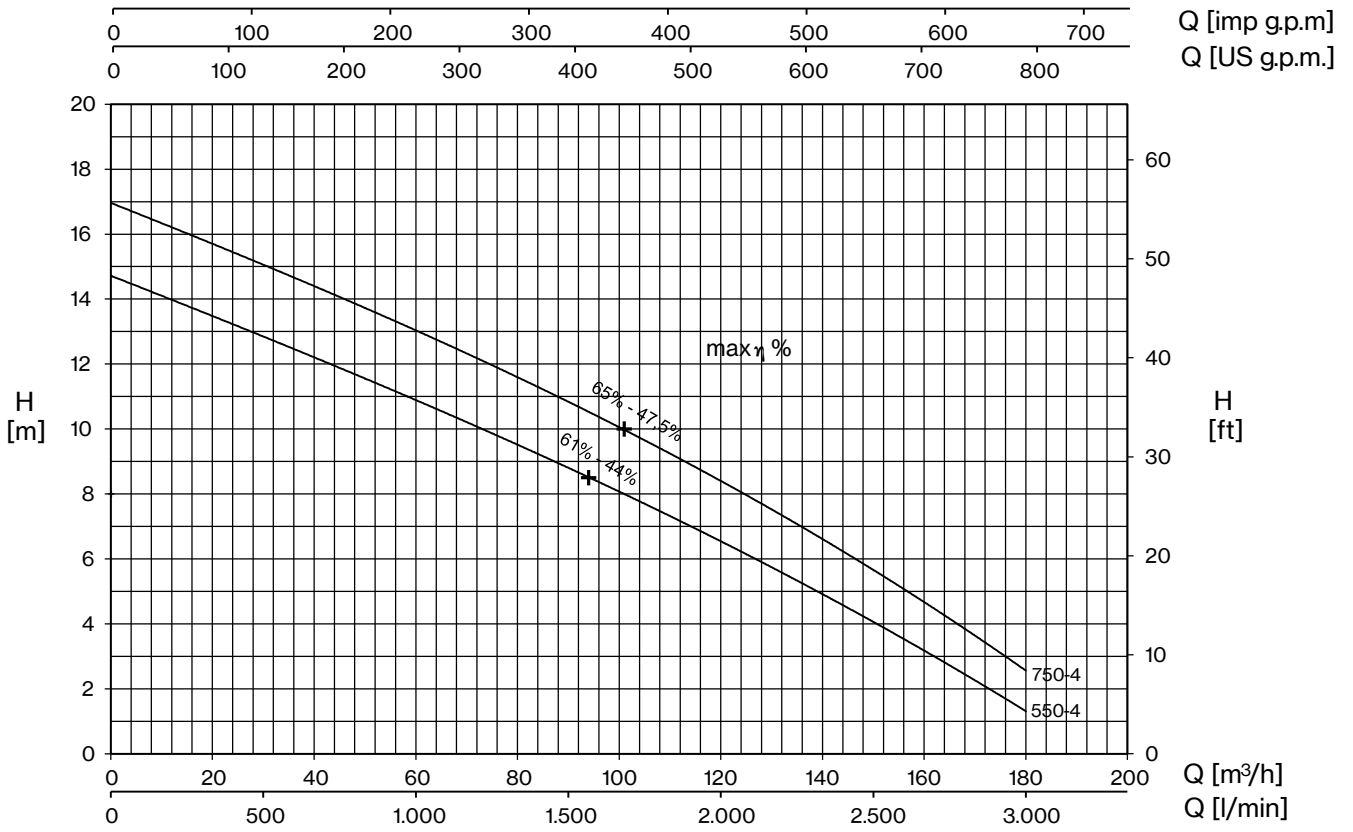
max hydraulic efficiency and respective total efficiency

(*) no standard execution

TYPE	P2		P1 (kW)	Q (m³/h - l/min)										
				0	12	24	36	48	60	72	84	90	96	
	HP	kW	3-	0	200	400	600	800	1000	1200	1400	1500	1600	
	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	AMPERE			
	3x230 V 50 Hz (*)	3x400 V 50 Hz	230/400 V 50 Hz λ / Δ (*)	400/690 V 50 Hz λ / Δ
DMT 550-4	-	9,4	16,3	9,4
DMT 750-4	-	11,8	20,4	11,8

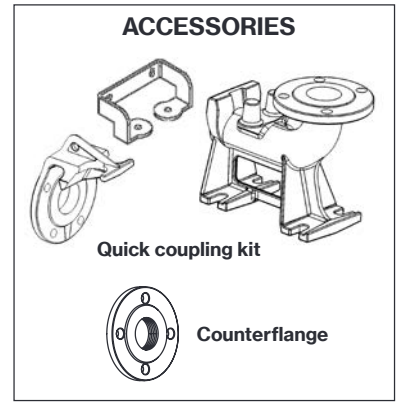
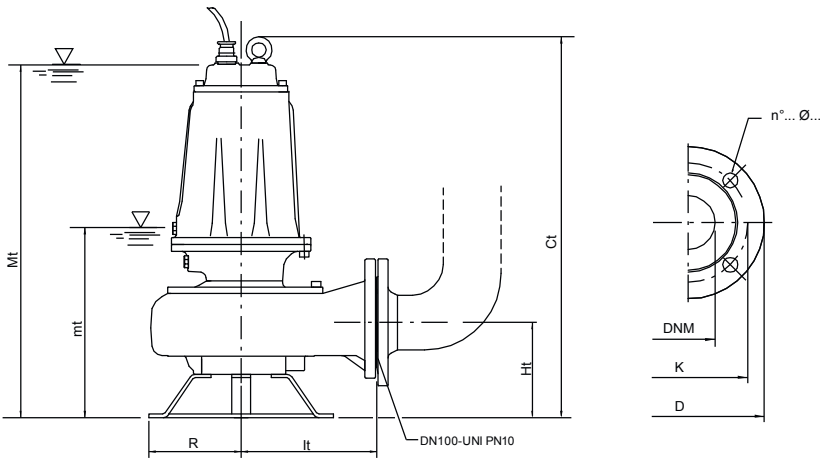
+ max η %

max hydraulic efficiency and respective total efficiency

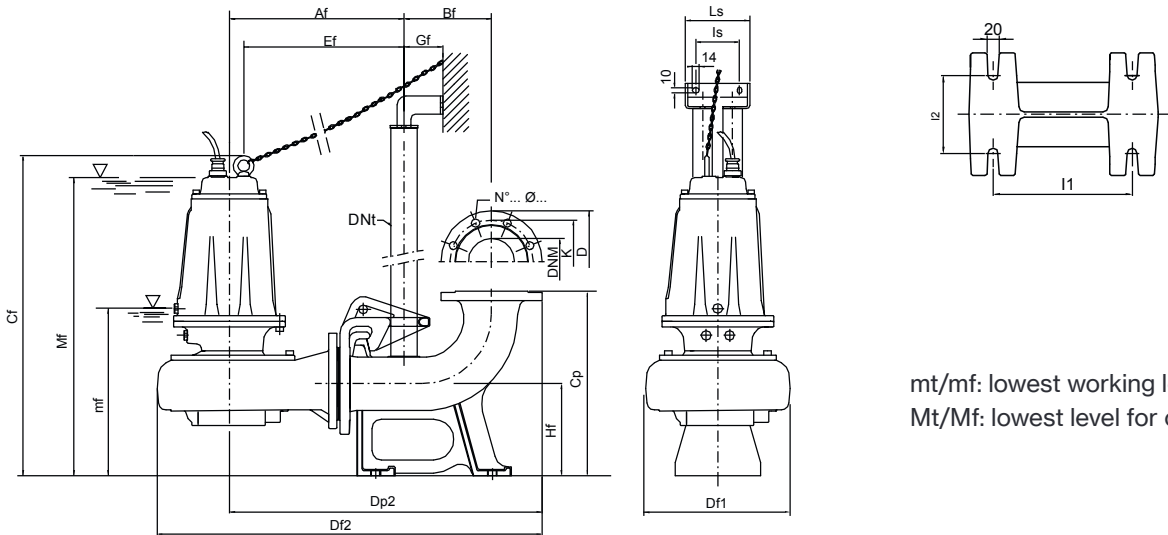
(*) no standard execution

TYPE	P ₂		P ₁ (kW)	Q (m³/h - l/min)															
				0	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180
	HP	kW	3~	0	200	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
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





TYPE	DIMENSIONS (mm)							Kg
	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



mt/mf: lowest working level
Mt/Mf: lowest level for continuous duty

TYPE	DIMENSIONS (mm)																	
	Af	Bf	Cf	Cp	Df1	Df2	Dp2	DNT	Ef	Gf	Hf	l1	l2	l3	l4	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 x 400 V	3 x 400 V	400 / 690 V	3 x 400 V	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




DTR with grinder



Drainage and waste water pumps equipped with open impeller and grinder system able to shred sewage with suspended solids and prevent the pump from clogging. Best for emptying of septic tanks and residential sumps as well as for rain water systems and for draining of flooded areas where seamless operation is required. The quick coupling feet DN50 and DN65 is available for flanged pumps.

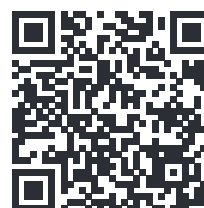
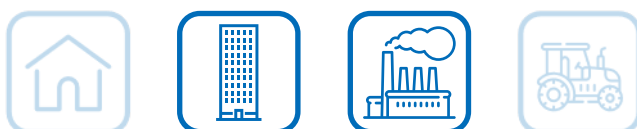
Construction features

Pump body	cast iron
Shell, motor cover	stainless steel (DTR 101)
Impeller	brass (DTR 101) cast iron
Mechanical seal	double seal with oil barrier: silicon carbide on pump side (DTR, DTR 101) sealing ring on motor side (DTR 101) ceramic-graphite on motor side
Motor shaft	stainless steel AISI 430 (DTR 101) stainless steel AISI 304
Depth of immersion	max 5 m (DTR 101) max 20 m (DTR)
Liquid temperature	0 - 40 °C
Cable	H05 RN8F, 10 m
 Grinder	treated stainless steel
Bolts	A2 stainless steel
Foot support	galvanized iron
Gaskets	NBR rubber

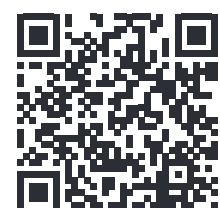
Motor

	3- 3x400V-50Hz (DTR 101) 3- 230/400V-50Hz P ≤ 4kW 3- 400/690V-50Hz P > 4kW
2 Poles induction motor	1- 1x230V-50Hz DTR 101: thermal protection and run capacitor included Other models: run capacitor (35µF for 1,5HP models, 50µF for 2HP model) + start capacitor (80µF with disjuntor) required
Insulation class	F
Protection degree	IPX8

TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
DTRT 150-300	85×110×145	18	85×110×190	27
DTRT 400-550	85×110×170	12	85×110×170	12
DTRT 750-1000	100×120×190	12	100×120×190	12



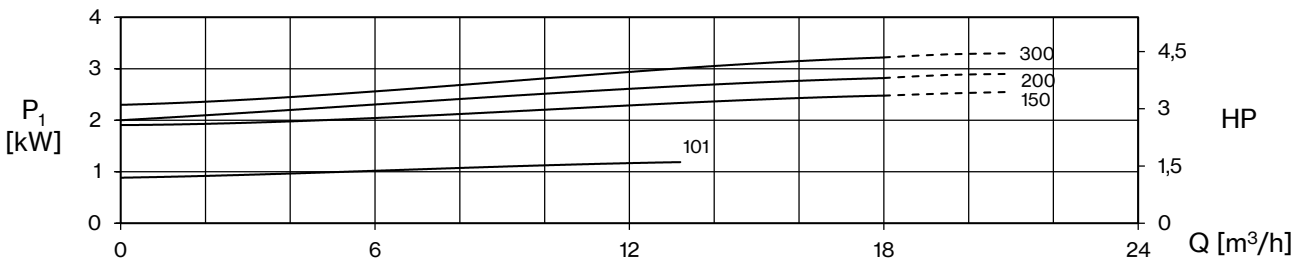
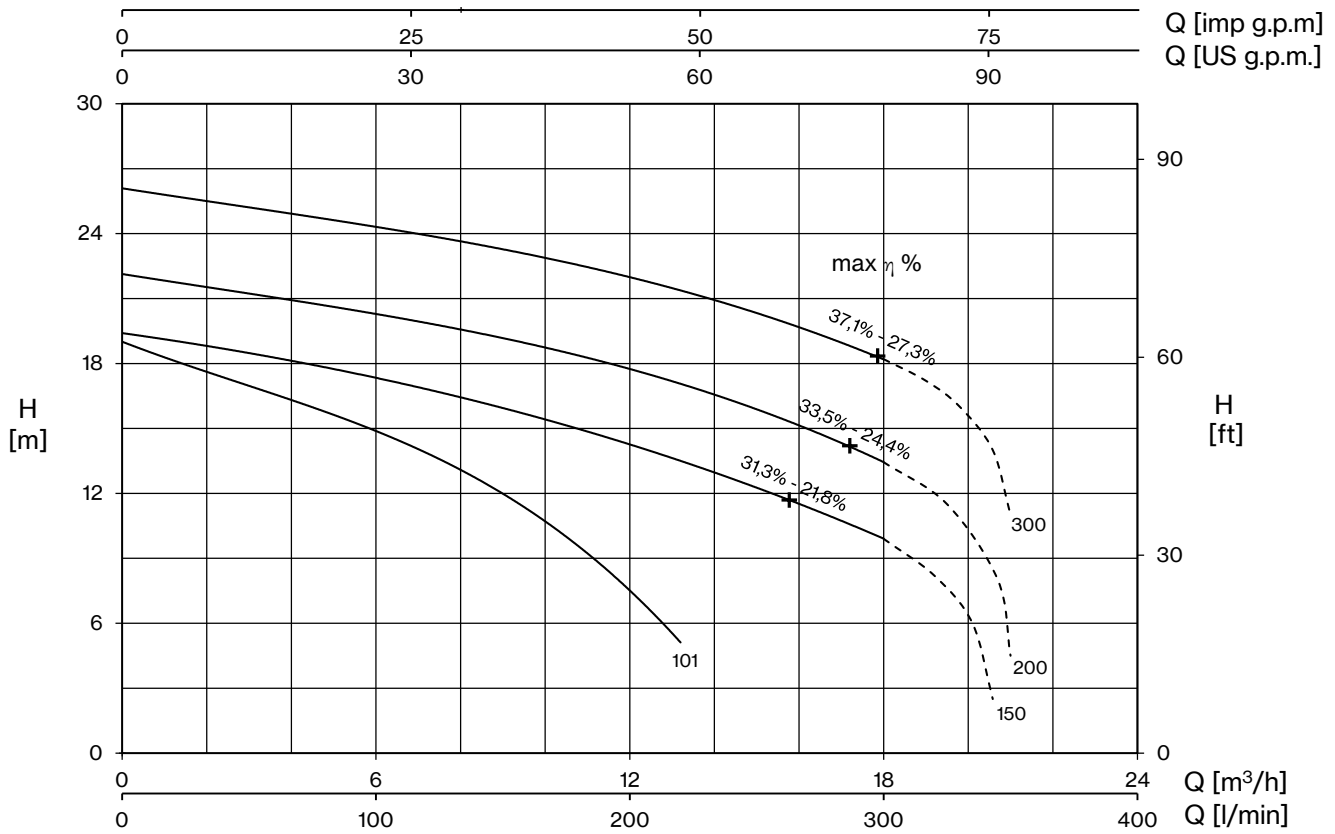
DTR 101



DTR



DTR with grinder



TYPE		AMPERE				
1~	3~	230 V 50 Hz	3x230 V 50 Hz (*)	3x400 V 50 Hz	230/400 V 50 Hz λ/Δ (*)	400/690 V 50 Hz λ/Δ
DTR 150	DTRT 150	11,5	7,6	4,4	-	-
DTR 200	DTRT 200	13,6	8,8	5,1	-	-
-	DTRT 300	-	10	5,8	-	-

+ max η %

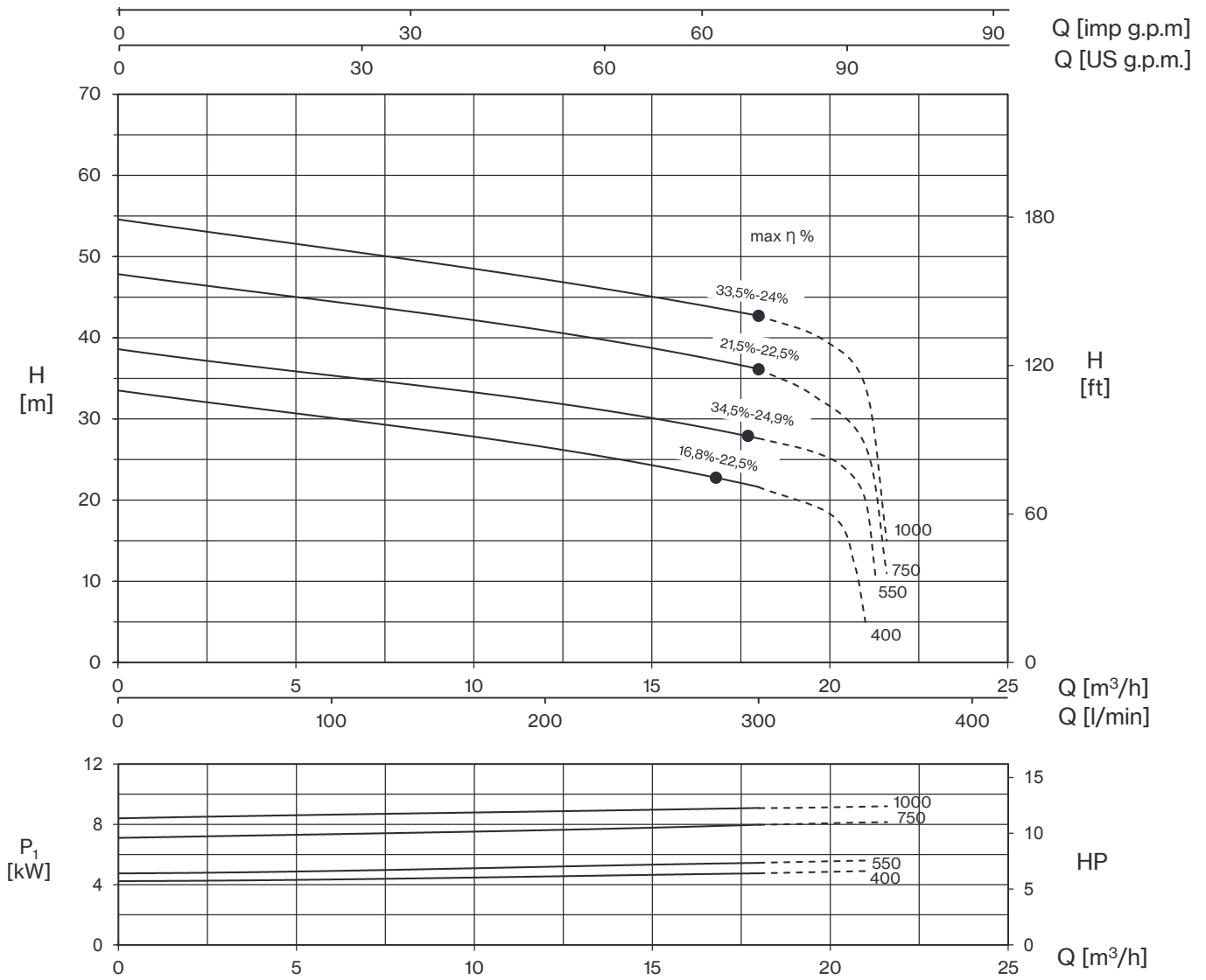
max hydraulic efficiency and respective total efficiency

(*) no standard execution

TYPE		W	P2		P1 (kW)		AMPERE		Q (m ³ /h - l/min)							
1~	3~		HP	kW	1~	3~	1~	3~	0	3	6	9	12	13,2	15	18
							1x230V 50Hz	3x400V 50Hz	0	50	100	150	200	220	250	300
DTR 101 (G)	DTRT 101	1200	-	-	-	-	5,3	2,2	19,0	17,1	14,8	11,9	7,8	4,9	-	-
DTRT 150	DTRT 150	-	1,5	1,1	2,6	2,5	-	-	19,4	18,5	17,3	16,0	14,2	13,5	12,3	9,9
DTRT 200	DTRT 200	-	2	1,1	3	2,8	-	-	22,1	21,3	20,3	19,1	17,7	17,1	16	13,4
-	DTRT 300	-	3	2,2	-	3,2	-	-	26,1	25,2	24,3	23,3	22	21,4	20,3	18,2



DTR with grinder



TYPE	AMPERE			
	3x230 V 50 Hz (*)	3x400 V 50 Hz	230/400 V 50 Hz λ / Δ (*)	400/690 V 50 Hz λ / Δ
DTRT 400	13,0	7,5	-	-
DTRT 550	15,9	9,2	-	-
DTRT 750	-	13,9	24	13,9
DTRT 1000	-	15,5	26,8	15,5

(*) no standard execution

+ max η %

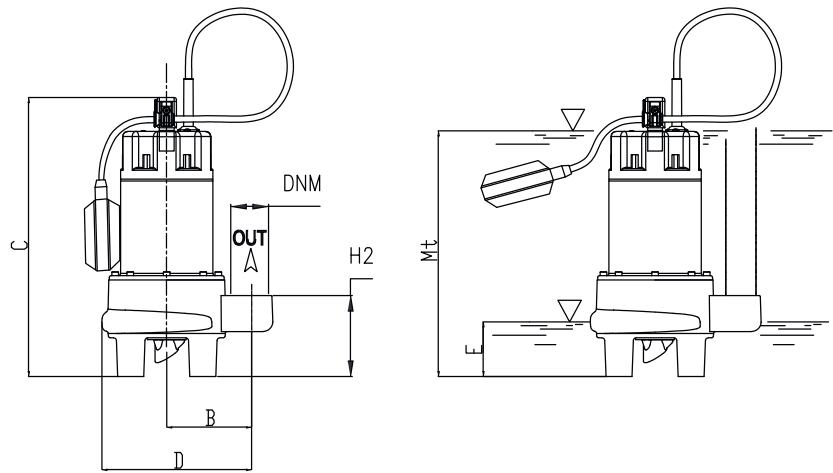
max hydraulic efficiency and respective total efficiency



TYPE	P2		P1 (kW)	Q (m³/h - l/min)										
				0	3	6	9	12	15	18	21	21,6		
	HP	kW	3~	0	50	100	150	200	250	300	350	360		
	H (m)													
DTRT 400	4	3	4,5	33,5	31,8	30,1	28,5	26,4	24,4	21,6				
DTRT 550	5,5	4	5,3	38,6	36,9	35,3	33,9	32,1	30,1	27,6				
DTRT 750	7,5	5,5	8,0	47,8	46,2	44,5	42,7	40,8	38,9	36,1	26,7	11,0		
DTRT 1000	10	7,5	9,1	54,6	52,7	51,0	49,2	47,1	45,1	42,7	34,0	15,0		

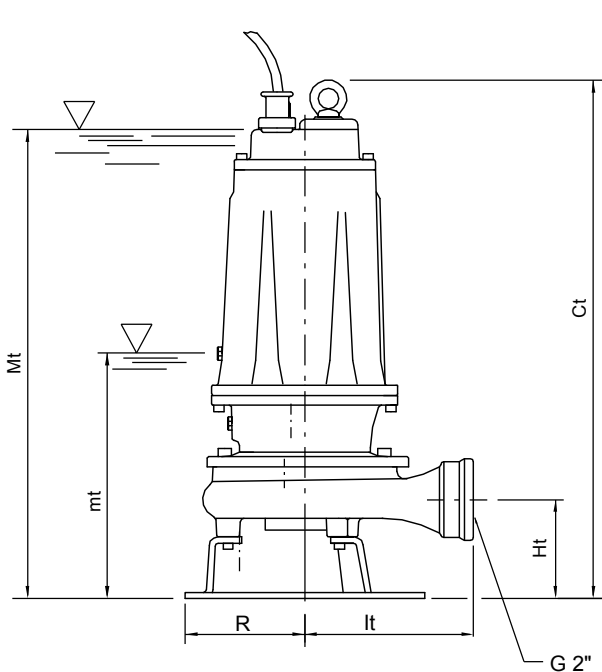


DTR with grinder


E: maximum emptying level
Mt: lowest level for continuous duty



TYPE	DIMENSIONS (mm)										
	B	C	D	E	H2	Mt	DNM	I	L	M	
DTR 101	105	359	218,5	70	104,5	313	1" 1/2 G	260	185	450	16,5



mt/mf: lowest working level
Mt/Mf: lowest level for continuous duty

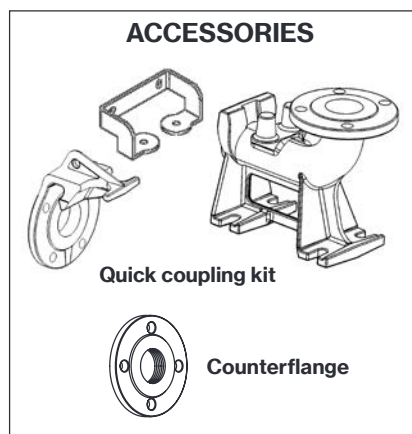
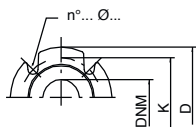
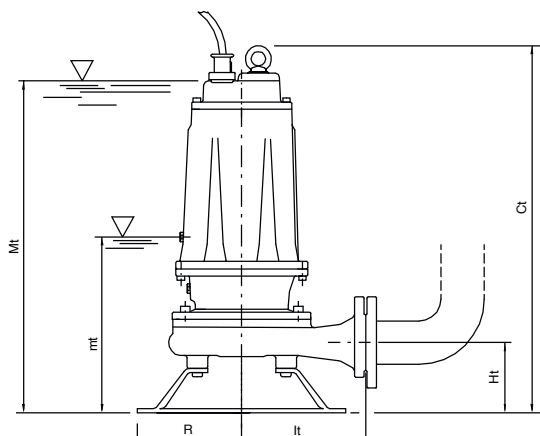
TYPE	DIMENSIONS (mm)							
	Ct	Ht	R	lt	mt	Mt	DNM	
DTR 150-DTRT 150	513	102	117	174	205	475	2"G	38
DTR 200-DTRT 200	513	102	117	174	205	475	2"G	38,5
DTRT 300	513	102	117	174	205	475	2"G	38

TYPE	PROTECTION		1 PUMP CONTROL PANEL			2 PUMPS CONTROL PANEL		
	1 x 230 V	3 x 400 V	1 x 230 V	3 x 400 V	400 / 690 V	1 x 230 V	3 x 400 V	400 / 690 V
DTR 150	PMLD 15/35-13	PT 20-30-40/4.3-6.8	EQSM + 35µF + 80µF*	EQSMT 10		EQ2SM + 2×35µF + 2×80µF*	EQ2SMT 10	
DTR 200	PMLD 20/50-15	PT 20-30-40/4.3-6.8	EQSM + 50µF + 80µF*	EQSMT 10		EQ2SM + 2×50µF + 2×80µF*	EQ2SMT 10	
DTRT 300		PT 20-30-40/4.3-6.8		EQSMT 10			EQ2SMT 10	
DTRT 400		PT 40-50/5.7-9.1		EQSMT 10			EQ2SMT 10	
DTRT 550		PT 55-75/8.6-13.5		EQSMT 10			EQ2SMT 10	
DTRT 750		PT 100/12.5-16.5		EQSMT 10	QST 7		EQ2SMT 10	Q2ST 7
DTRT 1000		PT 125-150/16-21		EQSMT 10	QST 10		EQ2SMT 10	Q2ST 10

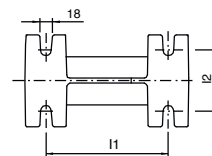
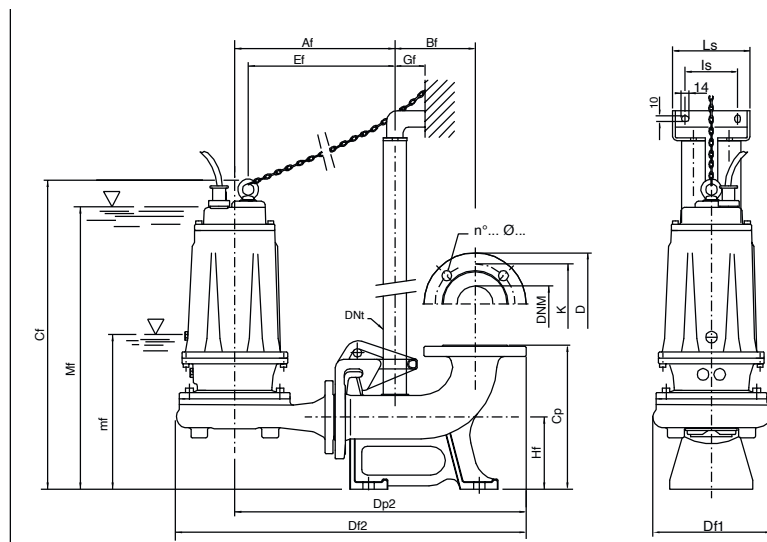
*start capacitor with disjuntor



DTR with grinder



TYPE	DIMENSIONS (mm)							Kg
	Ct	Ht	R	It	mt	Mt	DNM	
DTRT 400	595	112	160	190	265	550	50	62,5
DTRT 550	595	112	160	190	265	550	50	65,5
DTRT 750	680	160	180	250	280	630	65	91,5
DTRT 1000	680	160	180	250	280	630	65	94,5



mt/mf: lowest working level
Mt/Mf: lowest level for continuous duty

TYPE	DIMENSIONS (mm)																	
	Af	Bf	Cf	Cp	Df1	Df2	Dp2	Dnt	Ef	Gf	Hf	I1	I2	Is	Ls	mf	Mf	DNM
DTRT 400/P	300	145	614	260	237	654	538	1" 1/4	269	55	130	200	100	95	140	290	566	50
DTRT 550/P	300	145	614	260	237	654	538	1" 1/4	269	55	130	200	100	95	140	290	566	50
DTRT 750/P	331	145	656	260	279	710	569	1" 1/4	297	55	130	200	100	95	140	290	600	65
DTRT 1000/P	331	145	656	260	279	710	569	1" 1/4	297	55	130	250	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...





Drainage pump for charged liquids with set-back Vortex type impeller for civil and industrial applications; specifically designed for very heavy use; available in the mobile or permanent versions with coupling feet.



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

Passage of solids 50 mm (DV 160-310; 750-1000)
45 mm (DV 400-550)

Depth of immersion max 20 m

Liquid temperature 0 - 40 °C

Cable H05 RN8F, 10 m

Bolts A2 stainless steel

Foot support galvanized iron

Gaskets NBR rubber

Motor

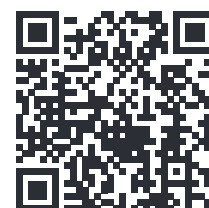
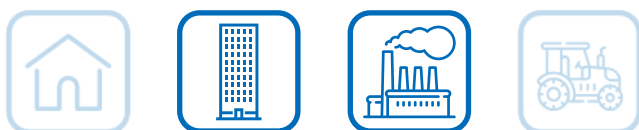
3~ 230/400V-50Hz P ≤ 4kW
3~ 400/690V-50Hz P > 4kW

2 Poles induction motor 1- 230V-50Hz
required run capacitor (35µF for 1,5HP model, 50µF for 2HP model)

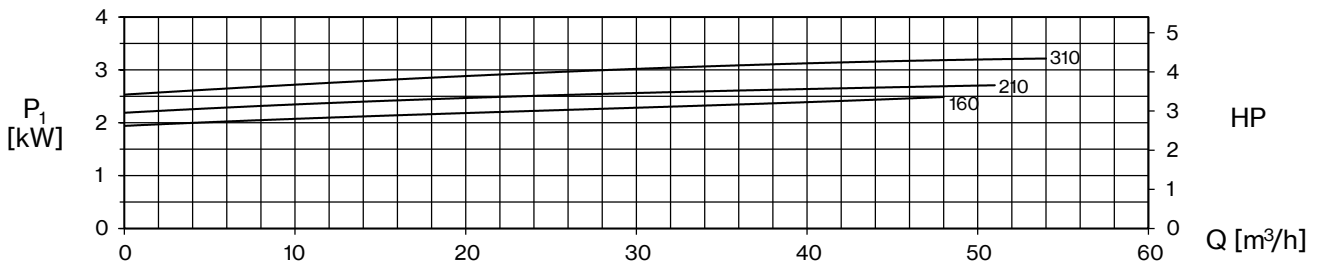
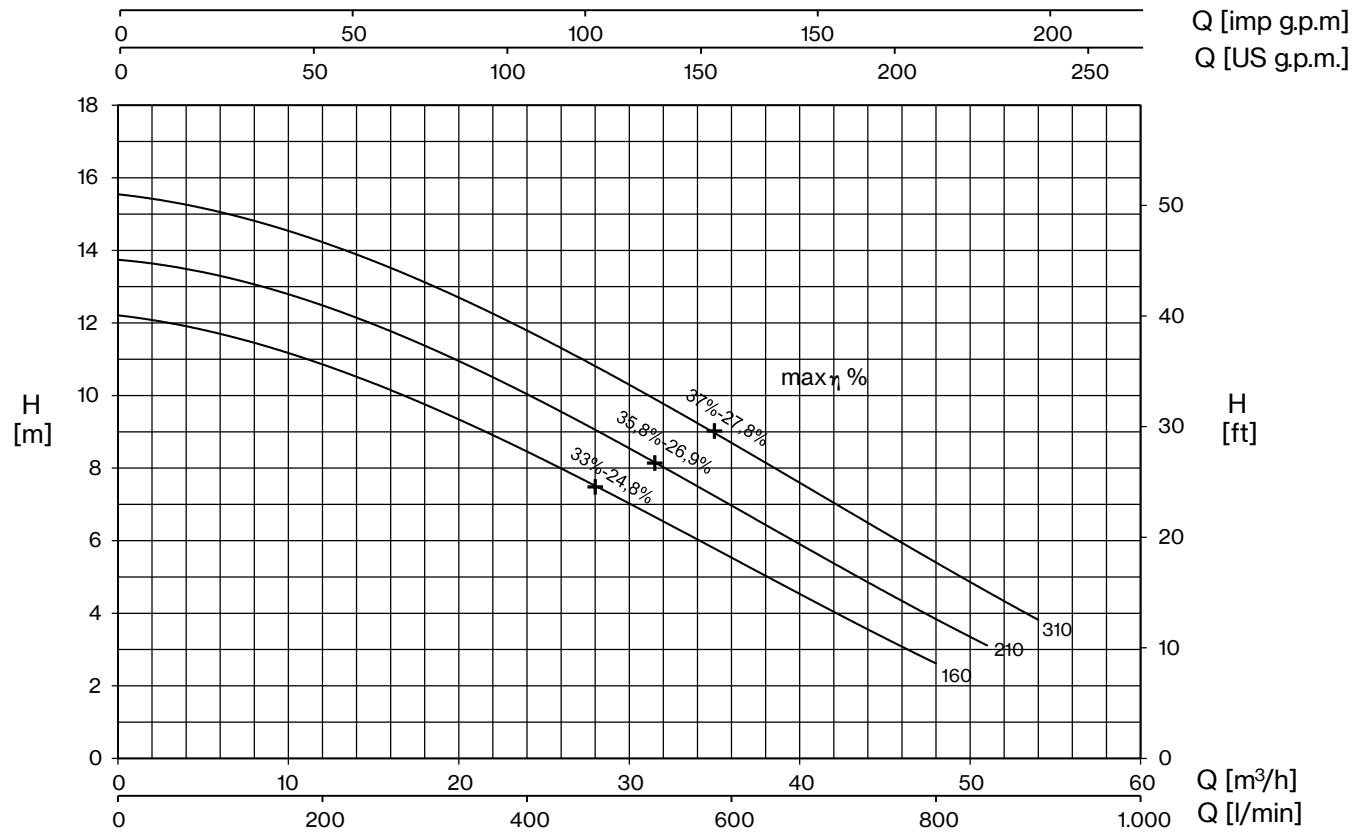
Insulation class F

Protection degree IPX8

TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
DV 160-310	85×110×145	18	85×110×190	27
DVT 400-550	85×110×170	12	85×110×170	12
DVT 750-1000	100×120×190	12	100×120×190	12



DV



TYPE		AMPERE				
1~	3~	230 V 50 Hz	3x230 V 50 Hz (*)	3x400 V 50 Hz	230/400 V 50 Hz λ/Δ (*)	400/690 V 50 Hz λ/Δ
DV 160	DVT 160	11,3	7,1	4,1	-	-
DV 210	DVT 210	12,6	8,7	5	-	-
-	DVT 310	-	9,9	5,7	-	-

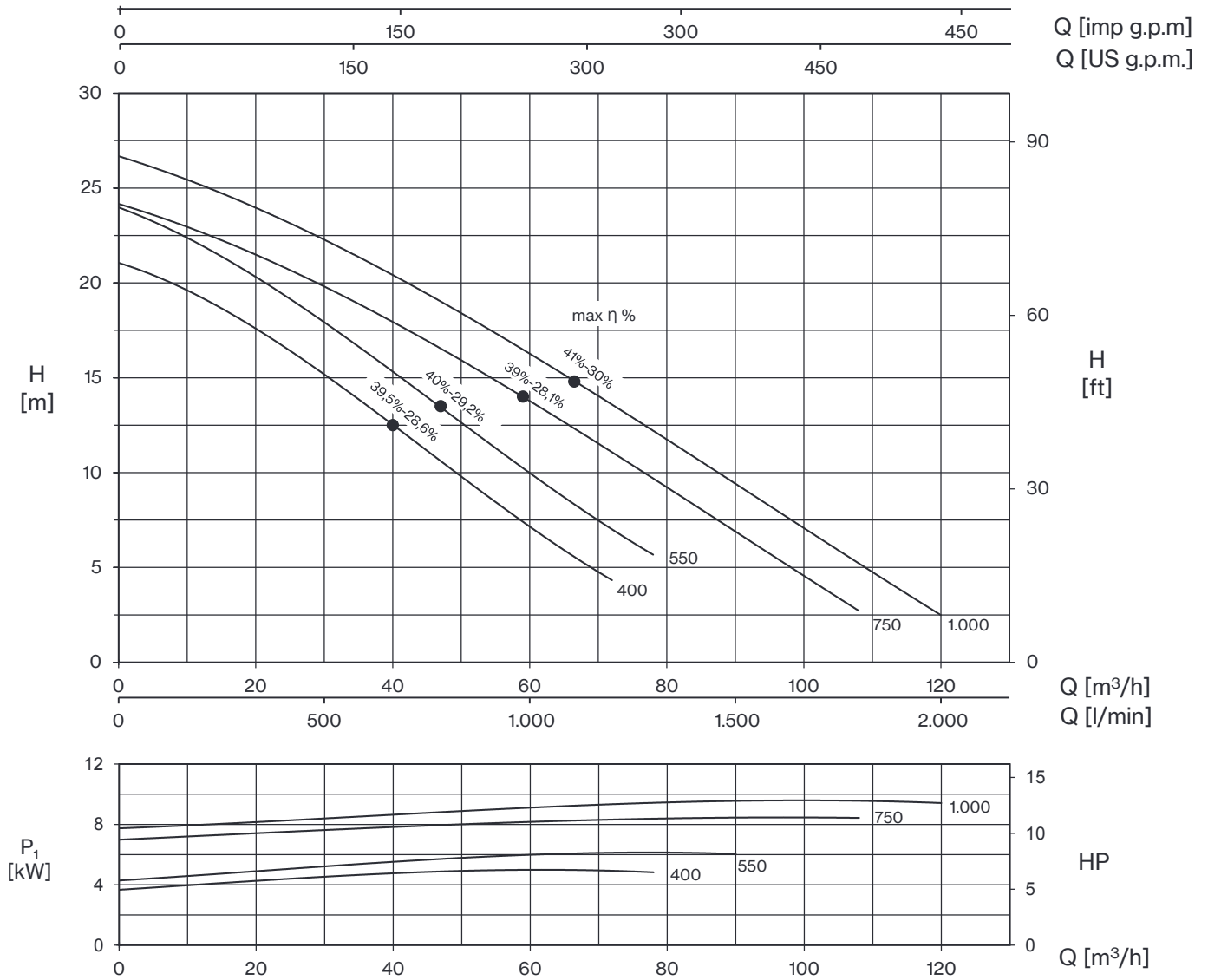
+ max η %

max hydraulic efficiency and respective total efficiency

(*) no standard execution

TYPE		P ₂		P ₁ (kW)		Q (m³/h - l/min)							
1~	3~	HP	kW	1~	3~	0	12	24	36	42	48	51	54
						0	200	400	600	700	800	850	900
						H (m)							
DV 160	DVT 160	1,5	1,1	2,5	2,3	12,2	10,9	8,4	5,6	4,1	2,6		
DV 210	DVT 210	2	1,5	2,8	2,7	13,7	12,6	9,9	7,0	5,4	3,8	3,1	
-	DVT 310	3	2,2		3,3	15,5	14,4	11,6	8,8	7,1	5,4	4,5	3,8





TYPE	AMPERE			
	3x230 V 50 Hz (*)	3x400 V 50 Hz	230/400 V 50 Hz λ / Δ (*)	400/690 V 50 Hz λ / Δ
DVT 400	14,1	8,1	-	-
DVT 550	18,1	10,4	-	-
DVT 750	-	14,4	25	14,4
DVT 1000	-	16,4	28,5	16,4

+ max η %

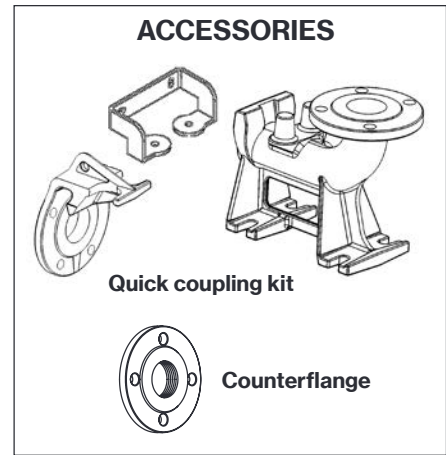
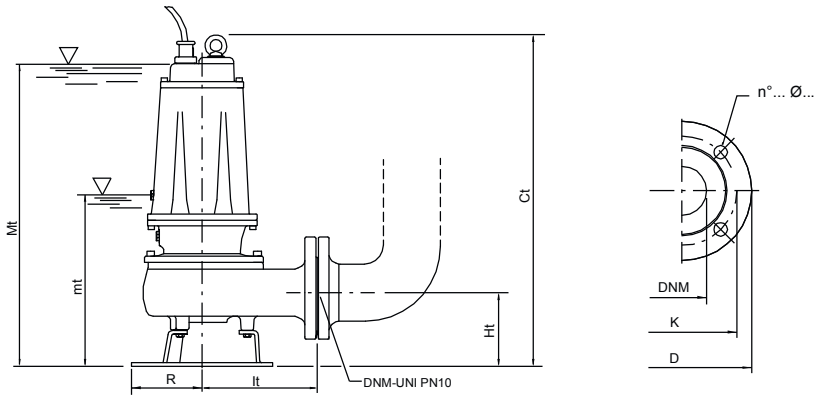
max hydraulic efficiency and respective total efficiency

(*) no standard execution

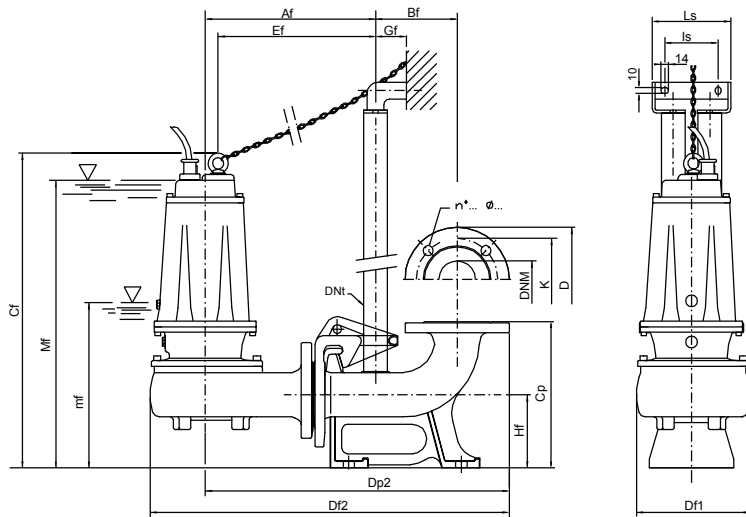
TYPE	P2		P1 (kW)	Q (m³/h - l/min)																
				0	12	24	36	42	48	51	54	60	72	78	84	90	96	108	114	120
	HP	kW	3~	0	200	400	600	700	800	850	900	1000	1200	1300	1400	1500	1600	1800	1900	2000
DVT 400	4	3	4,9	21,0	19,4	16,6	13,5	12,0	10,4	9,6	8,8	7,2	4,3	2,8						
DVT 550	5,5	4	6,1	23,9	22,2	19,3	16,3	14,8	13,2	12,4	11,6	10	7,1	5,6	4,1	2,6				
DVT 750	7,5	5,5	8,5	24,2	22,7	20,7	18,7	17,6	16,4	15,8	15,2	13,9	11,1	9,7	8,2	6,8	5,4	2,8		
DVT 1000	10	7,5	9,6	26,7	25,2	23,2	21,2	20,0	18,8	18,2	17,6	16,3	13,7	12,3	10,8	9,4	8,0	5,1	3,8	2,6



DV



TYPE	DIMENSIONS (mm)							Kg
	Ct	Ht	R	lt	mt	Mt	DNM	
DVT 160	551	123	117	191	243	513	65	39,5
DV 160-DVT 210	551	123	117	191	243	513	65	40,5
DV 210-DVT 310	551	123	117	191	243	513	65	41,5
DVT 400	645	148	160	210	285	600	80	68
DVT 550	645	148	160	210	285	600	80	71
DVT 750	725	178	180	232	358	670	80	90
DVT 1000	725	178	180	232	358	670	80	92,5



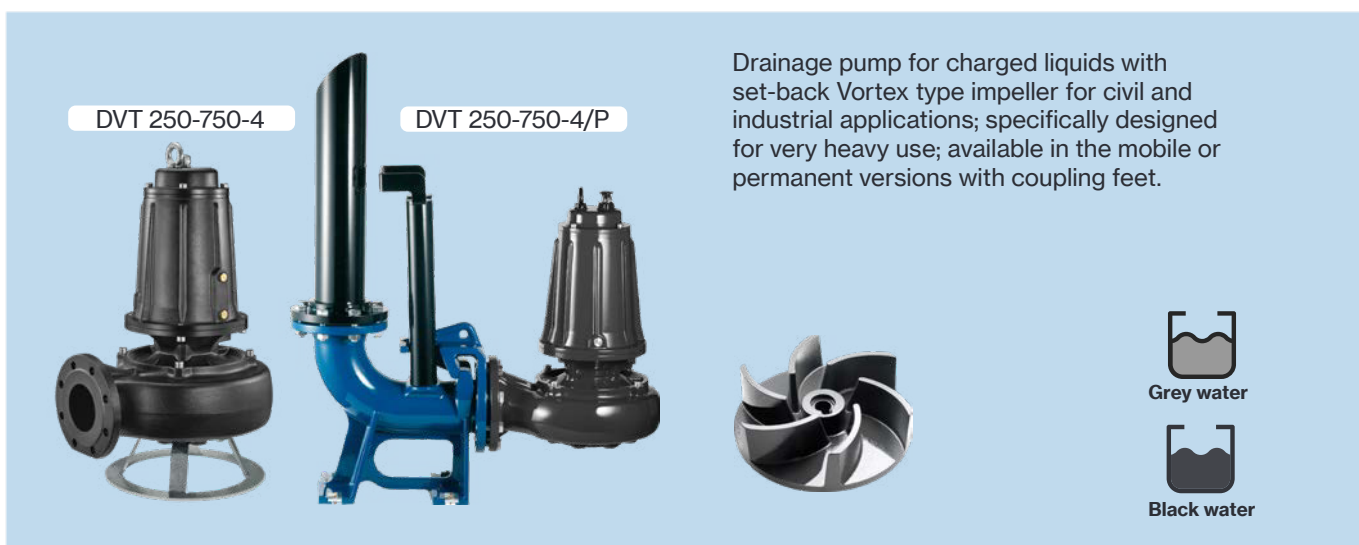
mt/mf: lowest working level
Mt/Mf: lowest level for continuous duty

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

TYPE	DIMENSIONS (mm)																	
	Af	Bf	Cf	Cp	Df1	Df2	Dp2	DNt	Ef	Gf	Hf	l1	l2	ls	Ls	mf	Mf	DNM
DVT 160 /P	303	145	559	260	200	639	541	1" 1/4	280	55	130	200	100	95	140	251	521	65
DV 160-DVT 210/P	303	145	559	260	200	639	541	1" 1/4	280	55	130	200	100	95	140	251	521	65
DV 210-DVT 310/P	303	145	559	260	200	639	541	1" 1/4	280	55	130	200	100	95	140	251	521	65
DVT 400/P	350	165	690	340	220	720	615	2"	319	85	190	250	140	130	180	327	642	80
DVT 550/P	350	165	690	340	220	720	615	2"	319	85	190	250	140	130	180	327	642	80
DVT 750/P	370	165	745	340	235	750	638	2"	338	85	190	250	140	130	180	380	690	80
DVT 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 x 230 V	3 x 400 V	1 x 230 V	3 x 400 V	400 / 690 V	1 x 230 V	3 x 400 V	400 / 690 V
DV 160	PMC 15/35-15	PT 20-30-40/4.3-6.8	EQSM + 35µF	EQSMT 10		EQ2SM + 35µF	EQ2SMT 10	
DV 210	PMC 20/50-18	PT 20-30-40/4.3-6.8	EQSM + 50µF	EQSMT 10		EQ2SM + 50µF	EQ2SMT 10	
DVT 310		PT 40-50/5.7-9.1		EQSMT 10			EQ2SMT 10	
DVT 400		PT 55-75/8.6-13.5		EQSMT 10			EQ2SMT 10	
DVT 550		PT 55-75/8.6-13.5		EQSMT 10			EQ2SMT 10	
DVT 750		PT 100/12.5-16.5		EQSMT 10	QST 7		EQ2SMT 10	Q2ST 7
DVT 1000		PT 125-150/16-21		EQSMT 10	QST 10		EQ2SMT 10	Q2ST 10





Drainage pump for charged liquids with set-back Vortex type impeller for civil and industrial applications; specifically designed for very heavy use; available in the mobile or permanent versions with coupling feet.

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

Passage of solids 50 mm

Depth of immersion max 20 m

Liquid temperature 0 - 40 °C

Cable H05 RN8F, 10 m

Bolts A2 stainless steel

Foot support galvanized iron

Gaskets NBR rubber

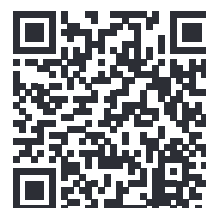
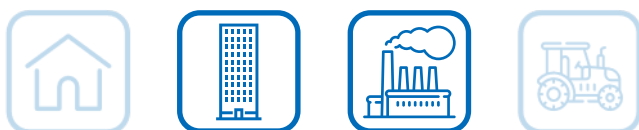
Motor

2 Poles induction motor 3~ 230/400V-50Hz P ≤ 4kW
3~ 400/690V-50Hz P > 4kW

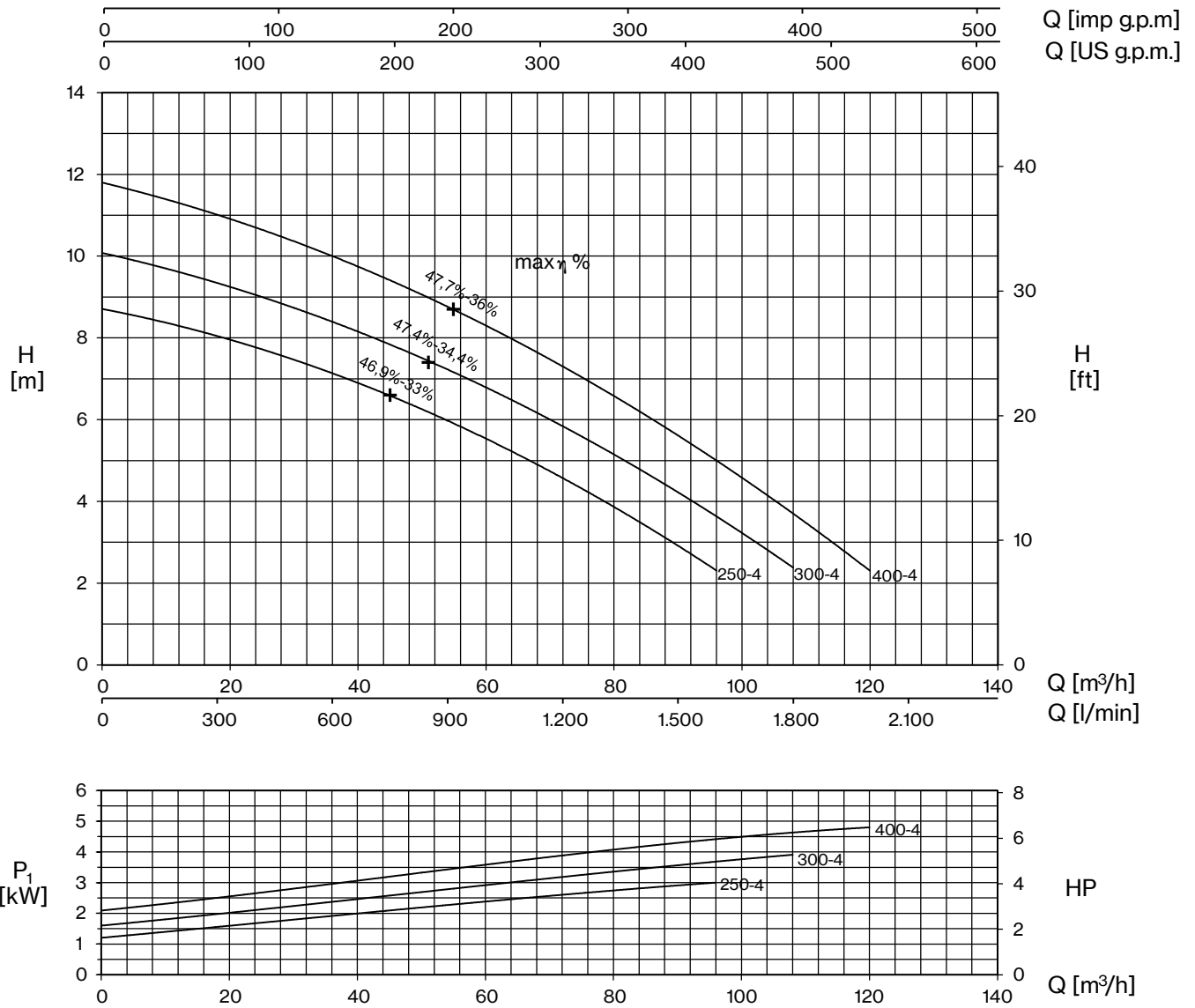
Insulation class F

Protection degree IPX8

TYPE	LOTS			
	TRUCK		CONTAINER	
	PALLET (cm)	N° pumps	PALLET (cm)	N° pumps
DVT 250-4/750-4	85×110×190	8	100×120×190	12



DV4



TYPE	AMPERE			
	3x230 V 50 Hz (*)	3x400 V 50 Hz	230/400 V 50 Hz λ / Δ (*)	400/690 V 50 Hz λ / Δ
DVT 250-4	10	5,8	-	-
DVT 300-4	11,8	6,8	-	-
DVT 400-4	15,1	8,7	-	-

+ max η %

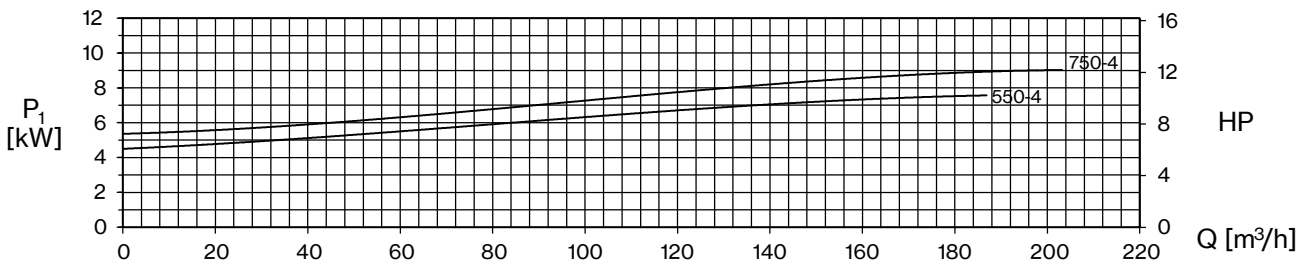
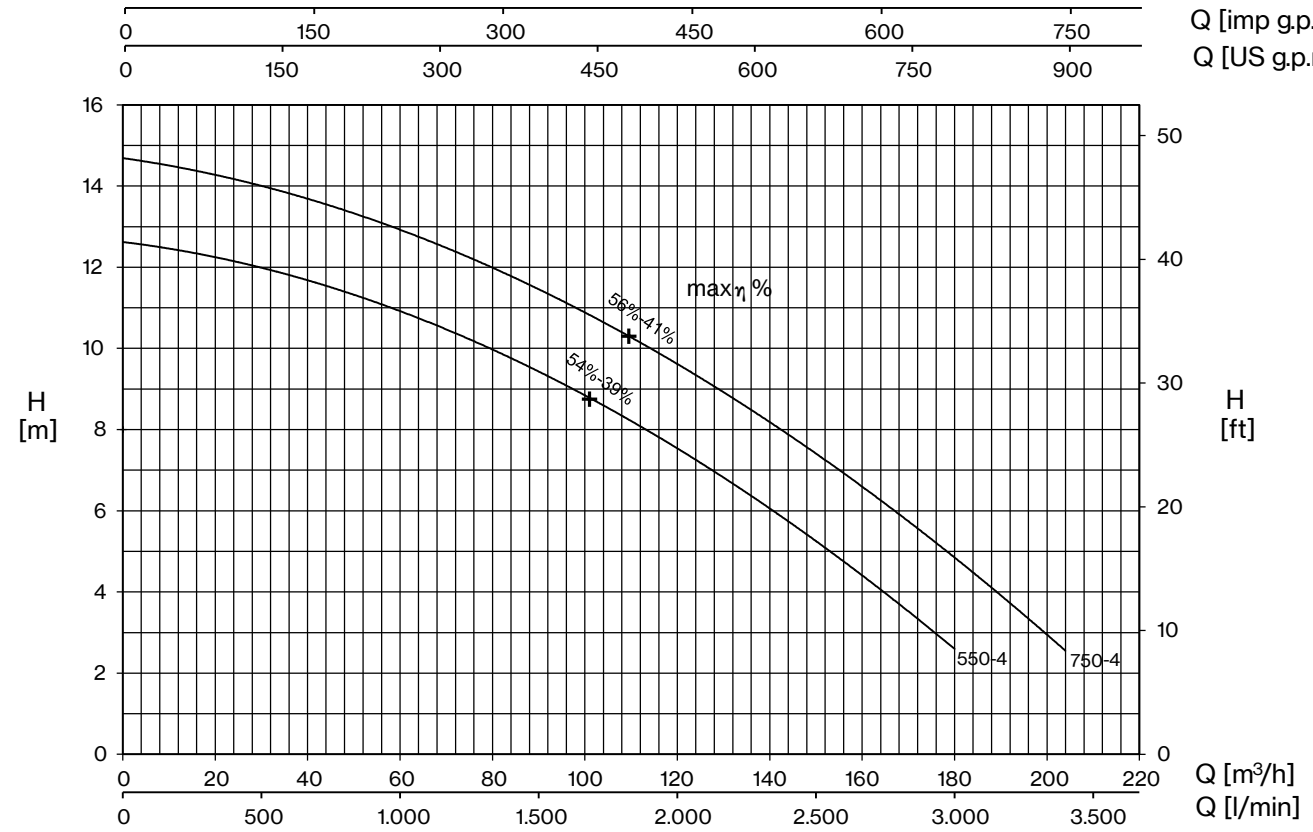
max hydraulic efficiency and respective total efficiency

(*) no standard execution

TYPE	P ₂		P ₁ (kW)	Q (m³/h - l/min)											
				0	12	24	36	48	60	72	84	96	108	120	
	HP	kW	3~	0	200	400	600	800	1000	1200	1400	1600	1800	2000	
DVT 250-4	2,5	1,8	3,3	8,7	8,3	7,8	7,1	6,4	5,5	4,6	3,5	2,3			
DVT 300-4	3	2,2	4,1	10,1	9,6	9,0	8,4	7,7	6,8	5,8	4,8	3,6	2,4		
DVT 400-4	4	3	4,9	11,8	11,3	10,7	10,0	9,2	8,3	7,3	6,2	5,0	3,7	2,3	



Q [imp g.p.m]
Q [US g.p.m.]



TYPE	AMPERE			
	3x230 V 50 Hz (*)	3x400 V 50 Hz	230/400 V 50 Hz λ / Δ (*)	400/690 V 50 Hz λ / Δ
DVT 550-4	-	12,9	22,3	12,9
DVT 750-4	-	15,4	26,6	15,4

+ max η %

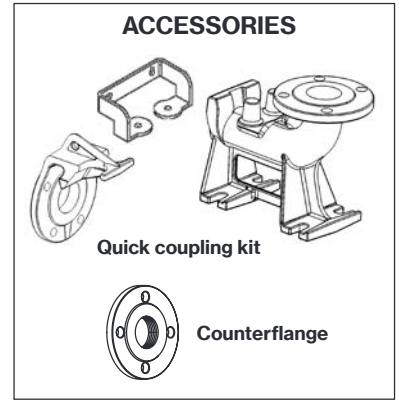
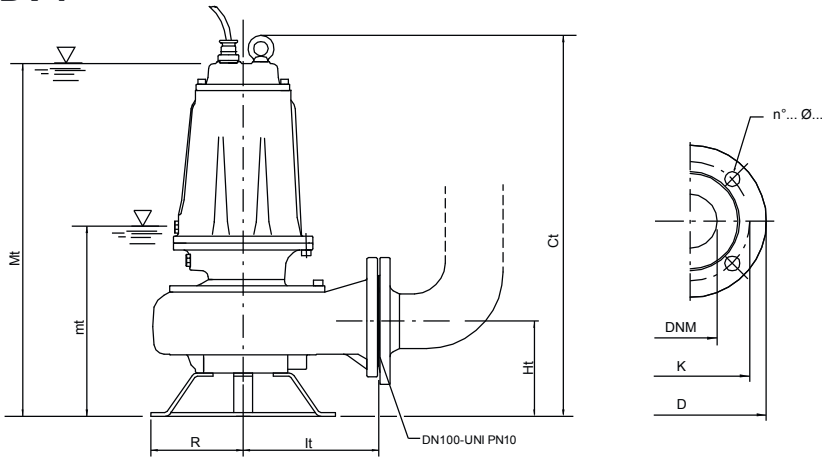
max hydraulic efficiency and respective total efficiency

(*) no standard execution

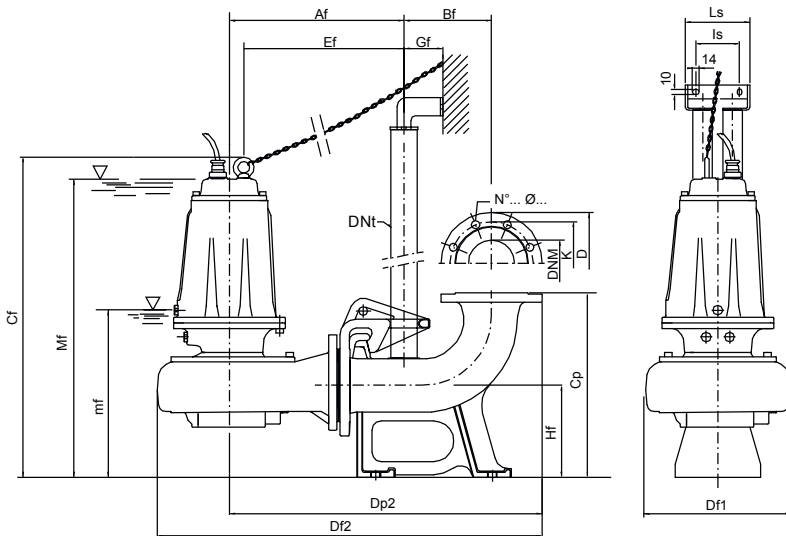
TYPE	P ₂		P ₁ (kW)	Q (m³/h - l/min)											
				0	24	48	72	96	120	144	168	180	192	204	
	HP	kW	3~	0	400	800	1200	1600	2000	2400	2800	3000	3200	3400	
DVT 550-4	5,5	4	7,5	12,6	12,2	11,4	10,3	9,1	7,6	5,7	3,7	2,6			
DVT 750-4	7,5	5,5	9	14,7	14,2	13,3	12,4	11,2	9,6	7,9	5,9	4,8	3,7	2,6	



DV4



TYPE	DIMENSIONS (mm)							Kg
	Ct	Ht	R	lt	mt	Mt	DNM	
DVT 250-4	660	165	160	235	300	614	100	69,5
DVT 300-4	660	165	160	235	300	614	100	71
DVT 400-4	660	165	160	235	300	614	100	74,5
DVT 550-4	715	195	180	276	385	695	100	101,5
DVT 750-4	715	195	180	276	385	695	100	106



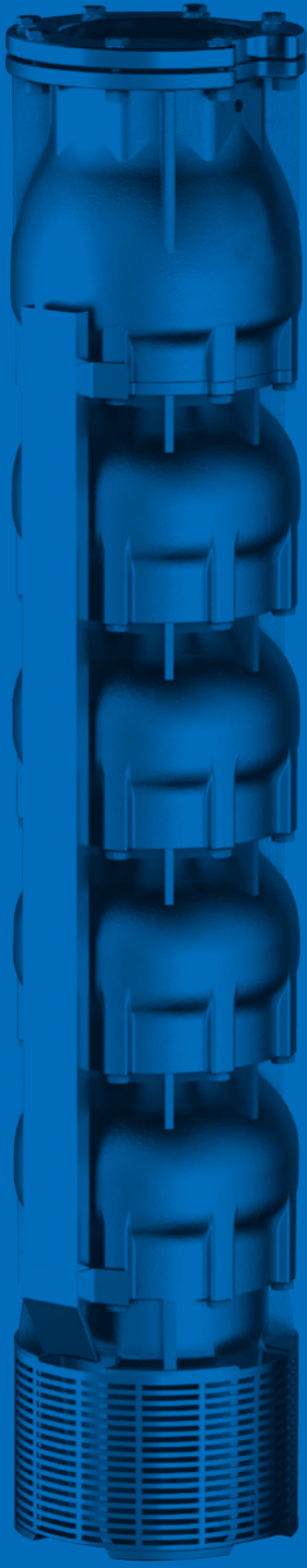
mt/mf: lowest working level
Mt/Mf: lowest level for continuous duty

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

TYPE	DIMENSIONS (mm)																	
	Af	Bf	Cf	Cp	Df1	Df2	Dp2	DNT	Ef	Gf	Hf	I1	I2	Is	Ls	mf	Mf	DNM
DVT 250-4/P	378	190	695	400	317	835	678	2"	347	85	200	250	140	130	180	335	650	100
DVT 300-4/P	378	190	695	400	317	835	678	2"	347	85	200	250	140	130	180	335	650	100
DVT 400-4/P	378	190	695	400	317	835	678	2"	347	85	200	250	140	130	180	335	650	100
DVT 550-4/P	419	190	755	400	371	900	719	2"	384	85	200	250	140	130	180	390	700	100
DVT 750-4/P	419	190	755	400	371	900	719	2"	384	85	200	250	140	130	180	390	700	100

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





DEEPWELL BOREHOLE