DV4

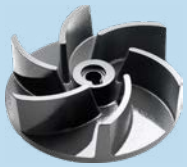
DVT 250-750-4



DVT 250-750-4/P



Drainage pumps 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.



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

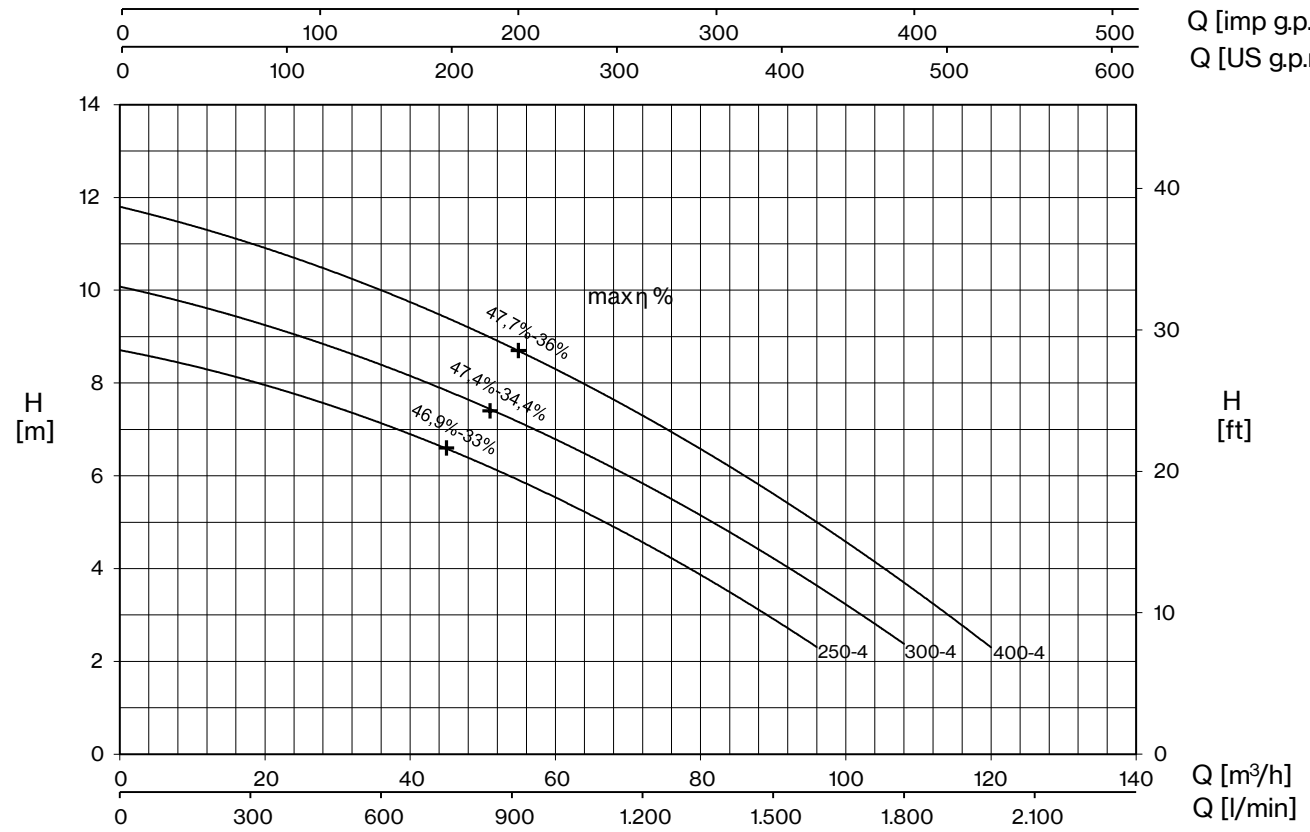
Motor

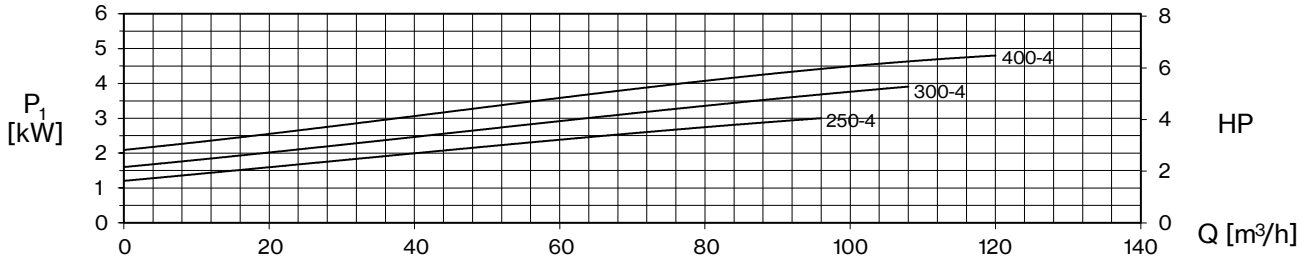
4 poles induction motor	3~ 230V - 50Hz 3~ 400V - 50Hz 3~ 230/400V - 50Hz 3~ 400/690V - 50Hz
Insulation class	F
Protection degree	IPX8

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

DV T 550 - 4 -CF

- counter-flange: not included / **CF** included
- poles
- motor **T** 3~
- pump type





TYPE - 50 Hz	CURRENT			
3~	3~ 230V (*)	3~ 400V	230/400 V ⅄ / △ (*)	400/690 V ⅄ / △
DVT 250-4	10	5,8	-	-
DVT 300-4	11,8	6,8	-	-
DVT 400-4	15,1	8,7	-	-

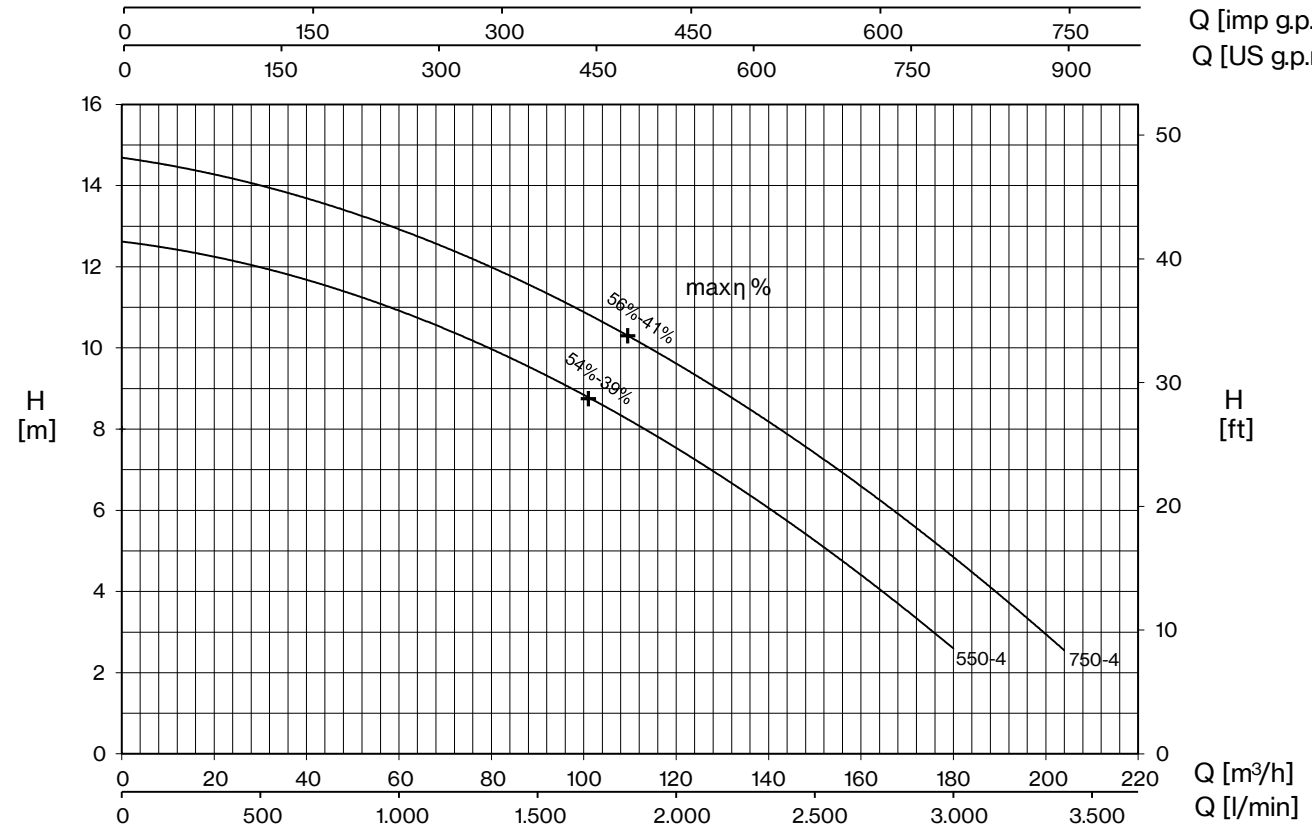
(*) no standard execution

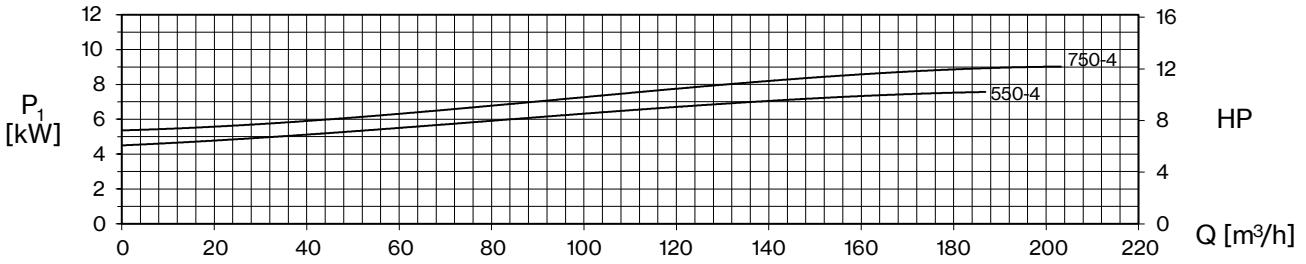
+ max η %

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
				0	200	400	600	800	1000	1200	1400	1600	1800	2000
	HP	kW	kW	H (m)										
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

DV4





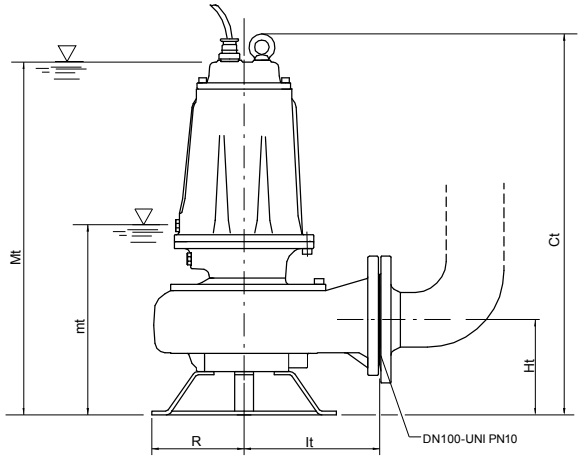
TYPE - 50 Hz	CURRENT			
3~	3~ 230V (*)	3~ 400V	230/400 V ⅄ / △ (*)	400/690 V ⅄ / △
DVT 550-4	-	12,9	22,3	12,9
DVT 750-4	-	15,4	26,6	15,4

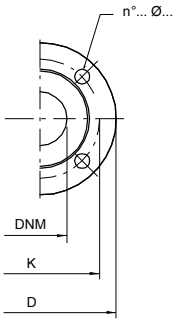
(*) no standard execution

+ max η %

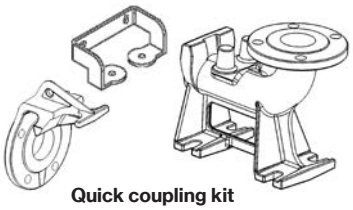
max hydraulic efficiency and respective total efficiency

TYPE - 50 Hz	P2		P1	Q (m³/h - l/min)										
3~				0	24	48	72	96	120	144	168	180	192	204
				0	400	800	1200	1600	2000	2400	2800	3000	3200	3400
	HP	kW	kW	H (m)										
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

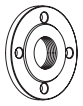




ACCESSORIES



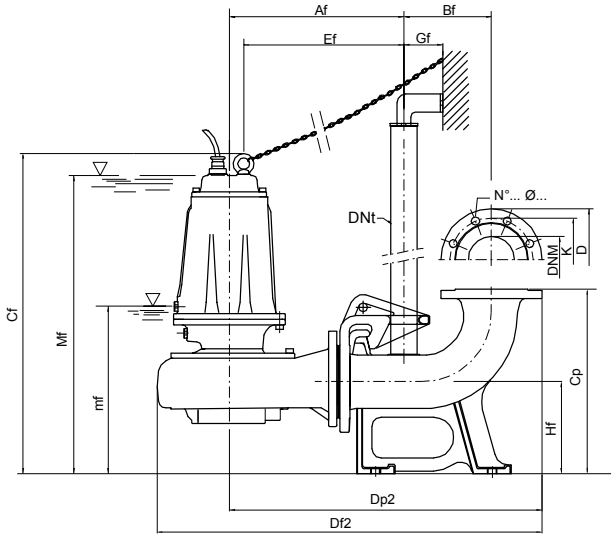
Quick coupling kit

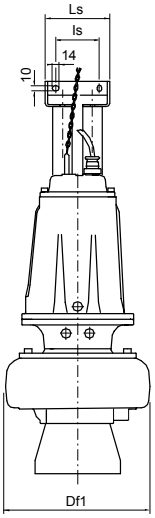


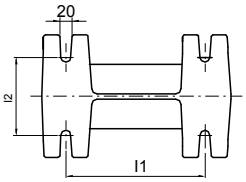
Counterflange

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

TYPE	DIMENSIONS (mm)							Kg
3~	Ct	Ht	R	It	mt	Mt	DNM	
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







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

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

TYPE	DIMENSIONS (mm)																	
3~	Af	Bf	Cf	Cp	Df1	Df2	Dp2	DNt	Ef	Gf	Hf	l1	l2	ls	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~ 400V	3~ 400V	400/690 V	3~ 400V	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