

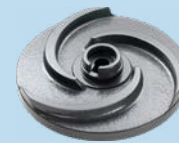
DC 160-310

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

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 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

3~ 220V - 60Hz

3~ 380V - 60Hz

3~ 220/380V - 60Hz

2 Poles induction motor

1~ 220V - 60Hz

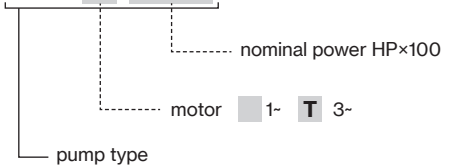
required run capacitor
(35µF for 1,5HP model,
50µF for 2HP model)

Insulation class F

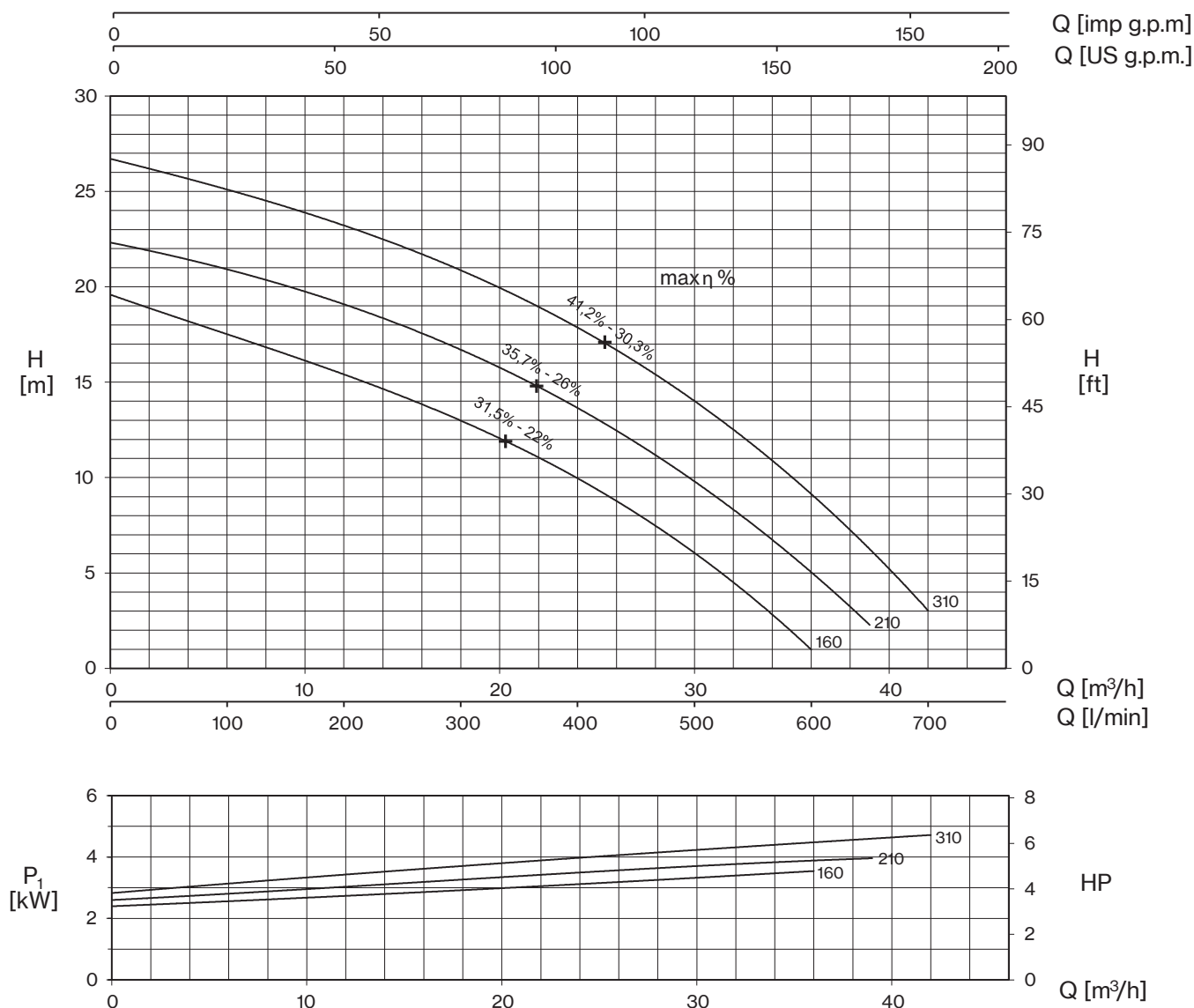
Protection degree IPX8

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 T 560



DC



TYPE - 60 Hz		CURRENT			
1~	3~	1~ 220V	3~ 220V	3~ 380V (*)	220/380 V Δ / Δ
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	-

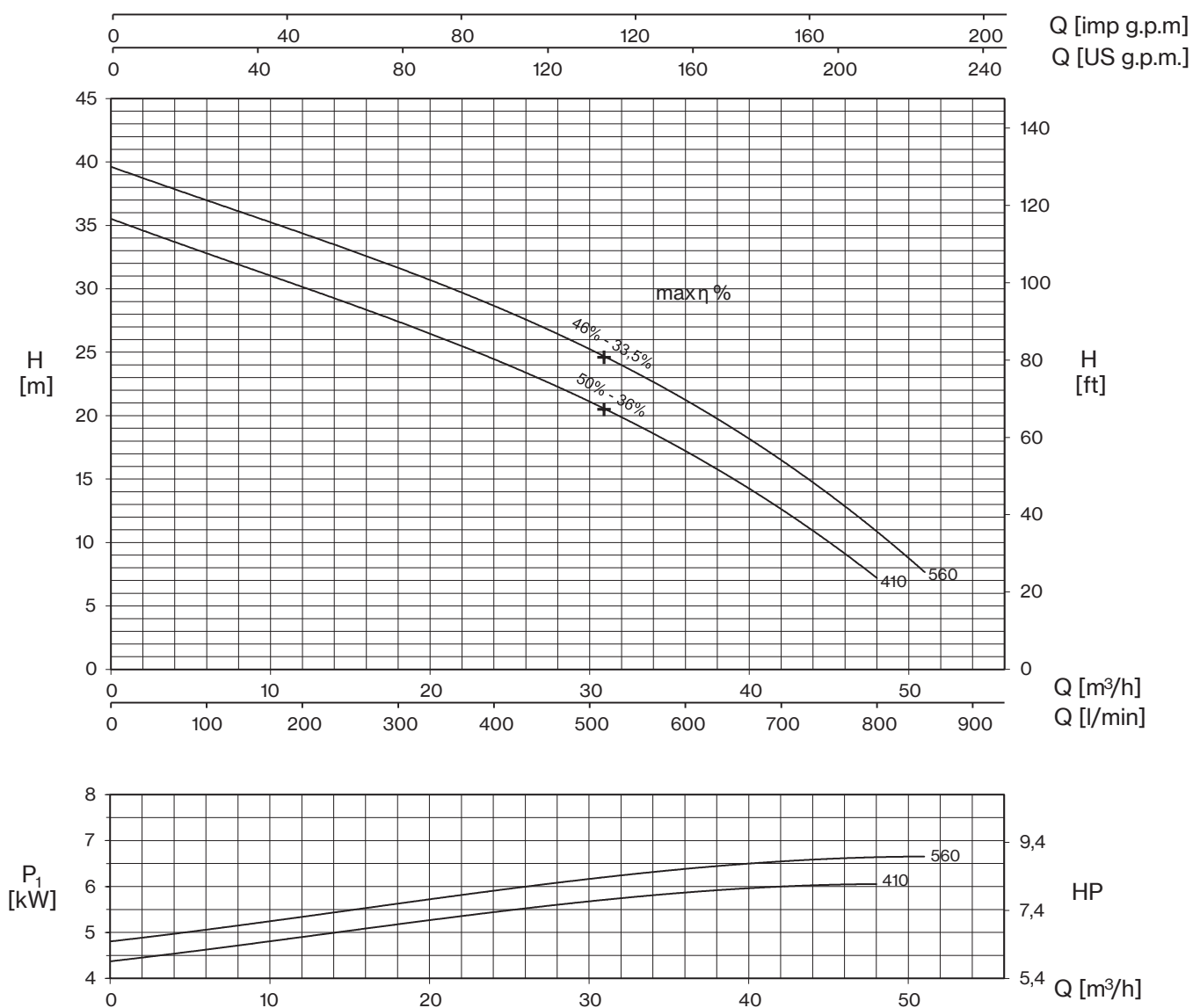
(*) no standard execution

+ max η %

max hydraulic efficiency and respective total efficiency

TYPE - 60 Hz		P2		P1		Q (m³/h - l/min)								
1-	3-			1-	3-	0	6	12	18	24	30	36	39	42
						0	100	200	300	400	500	600	650	700
		HP	kW	kW		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 - 60 Hz	CURRENT		
3~	3~ 220V	3~ 380V (*)	220/380 V Δ / Δ
DCT 410	18,0	10,4	-
DCT 560	20,3	11,7	-

+ max η %

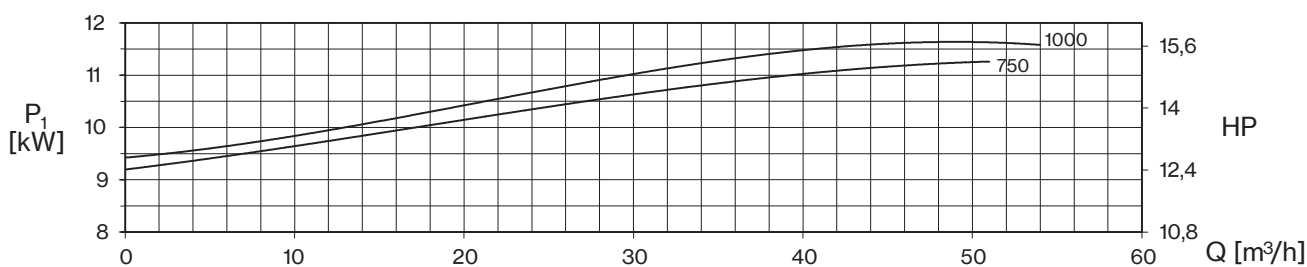
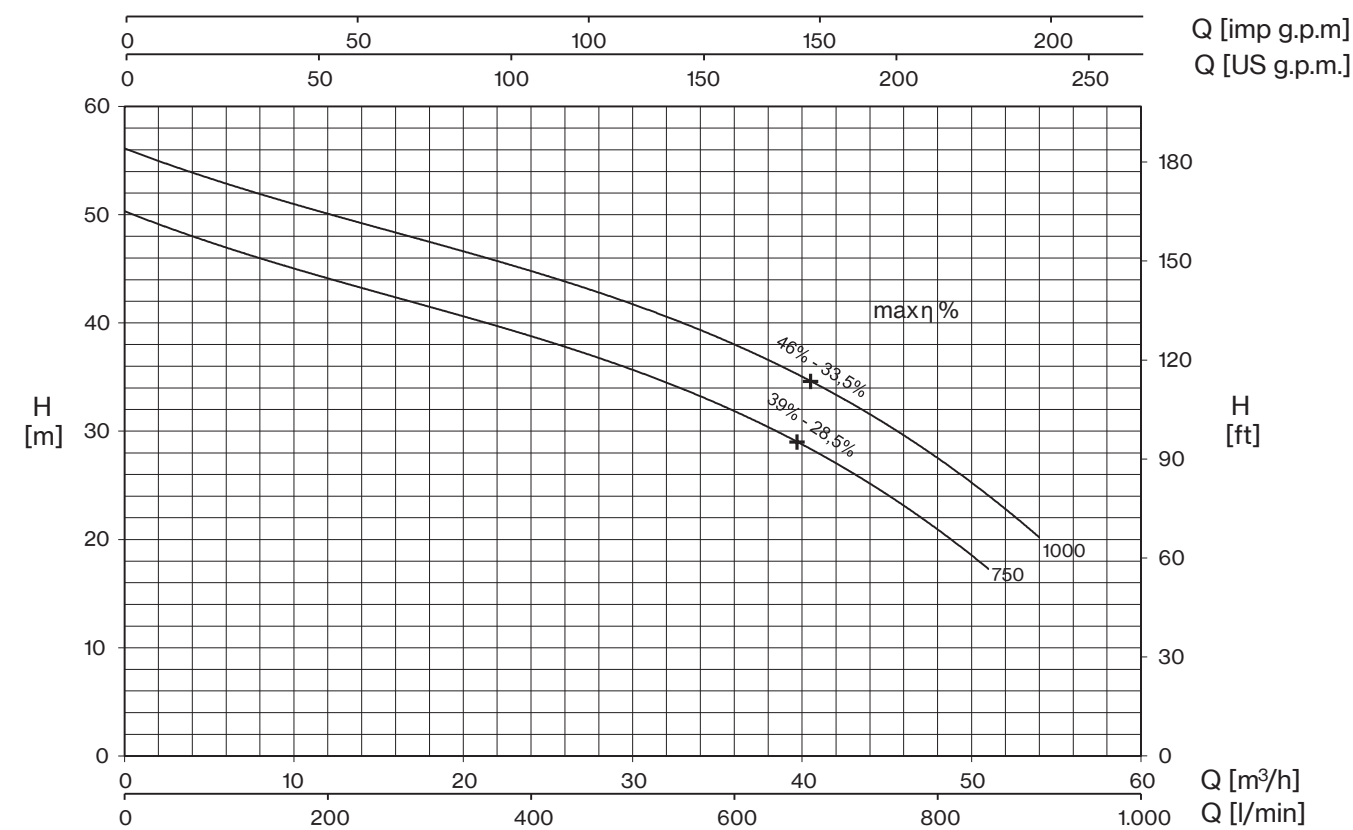
max hydraulic efficiency and respective total efficiency

(*) no standard execution

TYPE - 60 Hz 3~	P2		P1	Q (m³/h - l/min)									
				0	6	12	18	24	30	36	42	48	51
				0	100	200	300	400	500	600	700	800	850
	HP	kW	kW	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 - 60 Hz	CURRENT		
3~	3~ 220V	3~ 380 V (*)	220/380 V Δ / Δ
DCT 750	-	20,2	35,0
DCT 1000	-	20,8	36,0

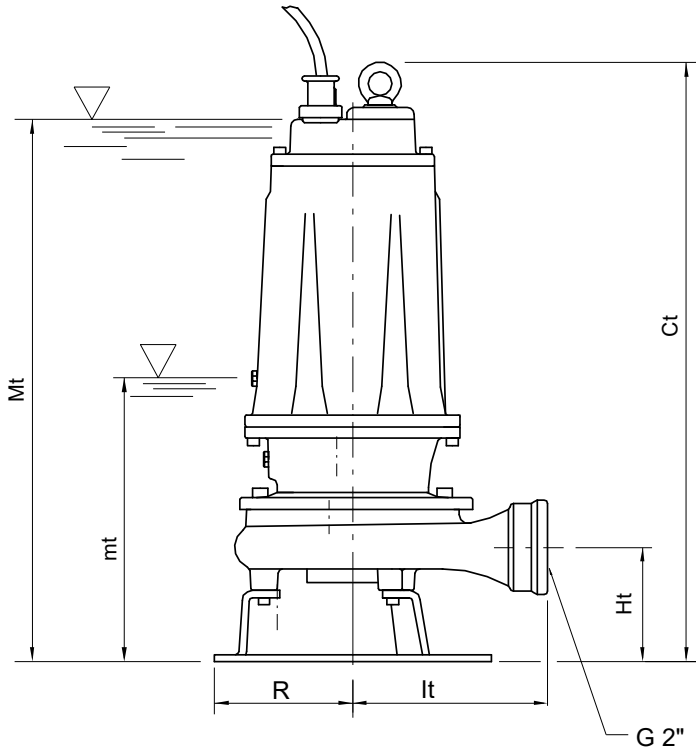
+ max η %

max hydraulic efficiency and respective total efficiency

(*) no standard execution

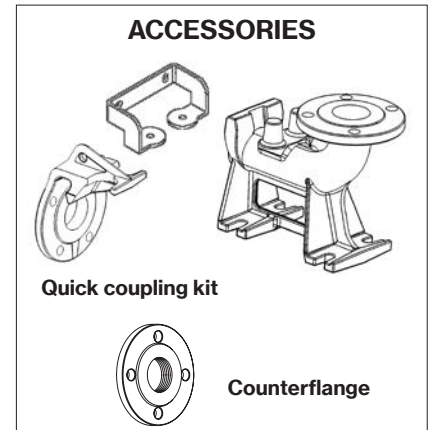
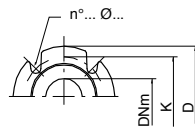
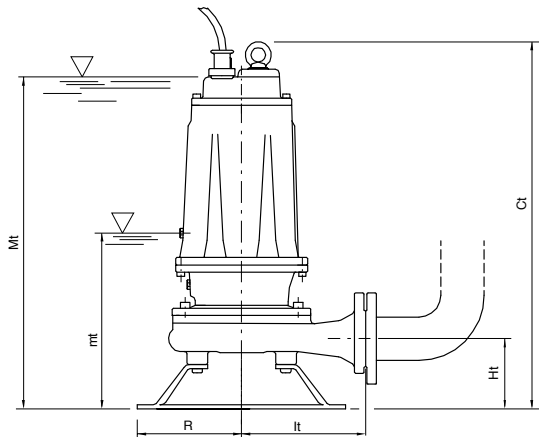
TYPE - 60 Hz 3~	P2		P1	Q (m³/h - l/min)										
				0	6	12	18	24	30	36	42	48	51	54
				0	100	200	300	400	500	600	700	800	850	900
	HP	kW	kW	H (m)										
DCT 750	7,5	5,5	11,1	50,2	47,1	44,3	41,5	38,7	35,4	31,7	27,5	21,1	17,0	
DCT 1000	10	7,5	11,7	56,0	53,0	50,2	47,6	44,7	41,5	37,9	33,5	27,8	24,2	19,9





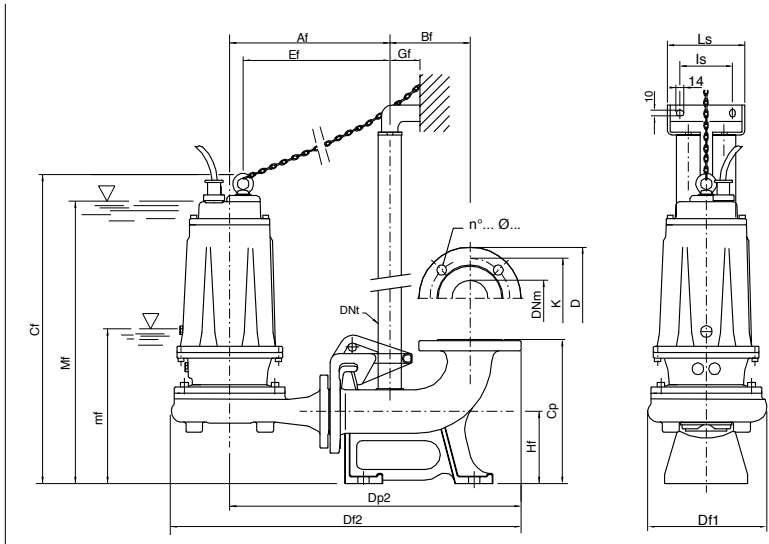
mt: minimum working level
Mt: minimum submersion level for continuous duty

TYPE		DIMENSIONS (mm)							Kg
1~	3~	Ct	Ht	R	lt	mt	Mt	DNM	
DC 160	DCT 160	513	102	117	174	205	475	2" G	36,5
DC 210	DCT 160	513	102	117	174	205	475	2" G	37,5
-	DCT 310	513	102	117	174	205	475	2" G	37



mt: minimum working level
Mt: minimum submersion level for continuous duty

TYPE	DIMENSIONS (mm)							Kg
3~	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	90,5
DCT 1000	680	160	180	250	280	630	65	93,5



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

TYPE	DIMENSIONS (mm)																	
	Af	Bf	Cf	Cp	Df1	Df2	Dp2	DNt	Ef	Gf	Hf	I1	I2	Is	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...

