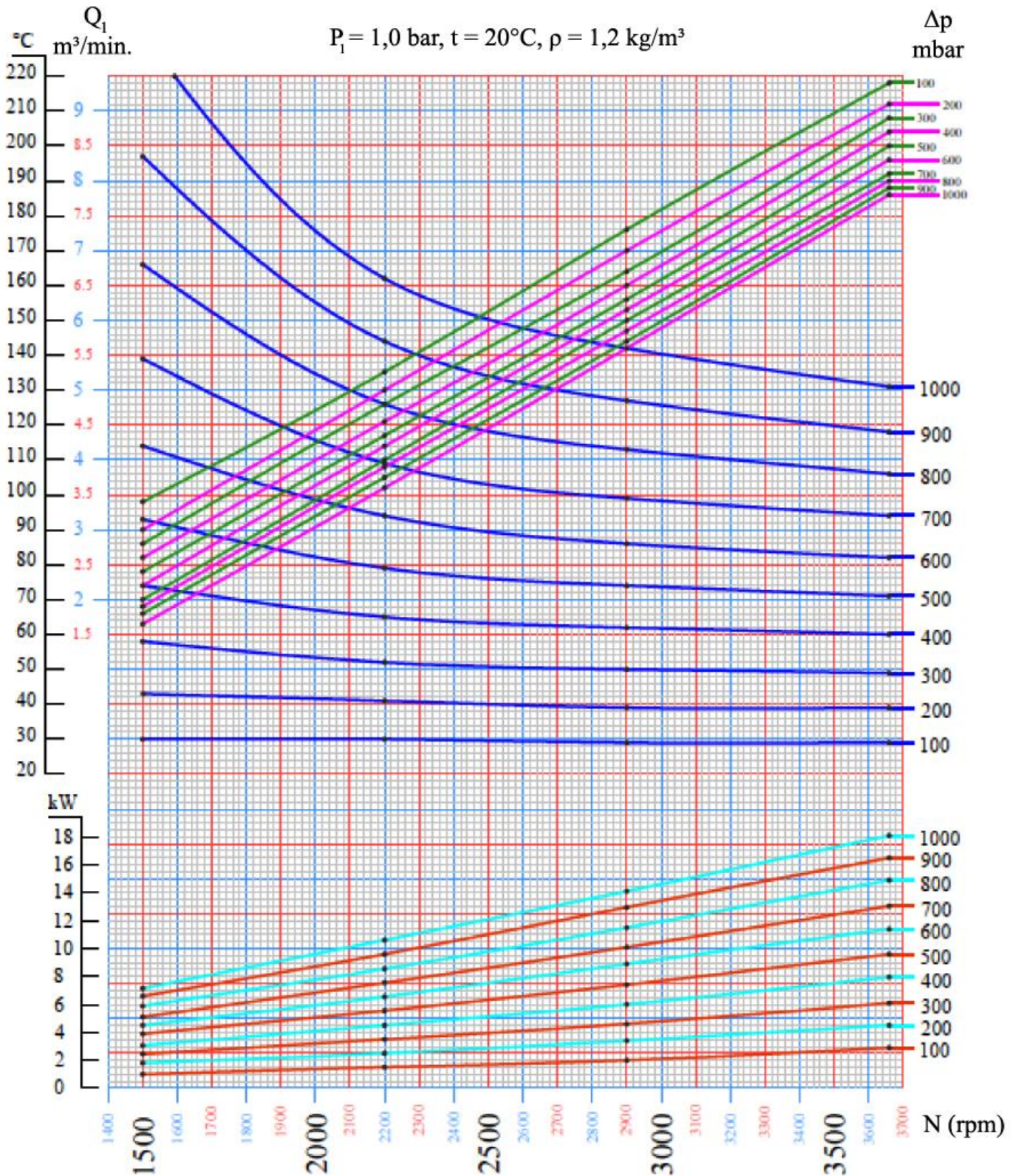


PB3113 Tri-Lobe Roots Blower

Flow, Pressure and Power Diagram

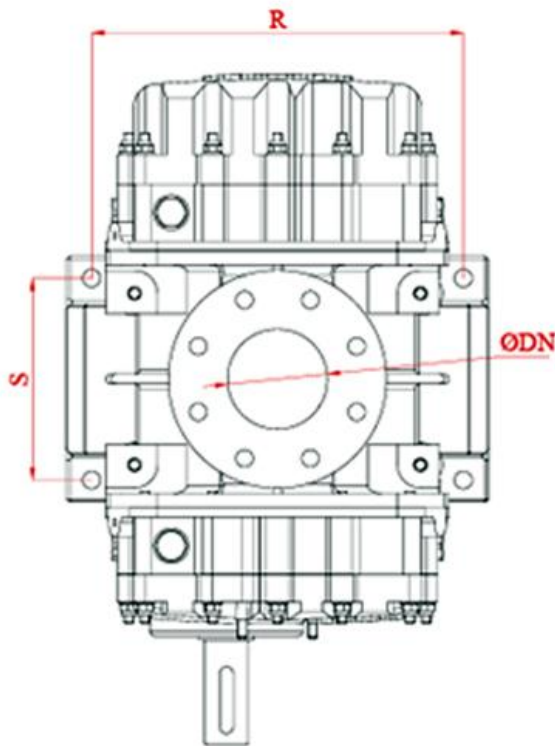
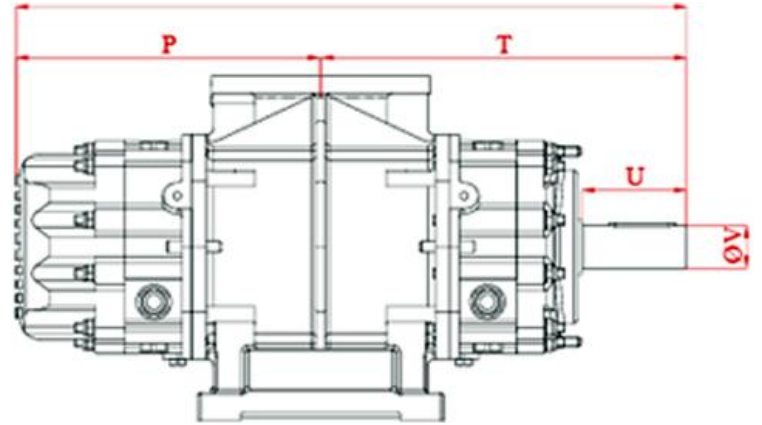
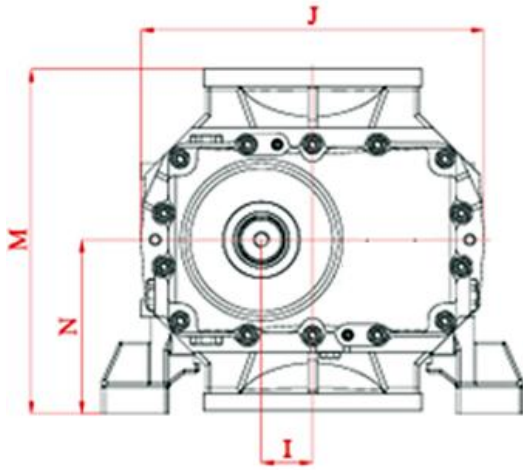


PB3113 Tri-Lobe Blower Pressure and Volume Values

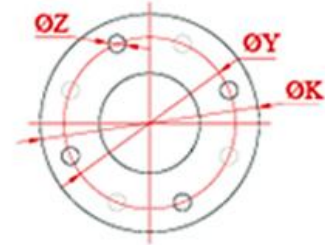
$P_1 = 1,0 \text{ bar}$, $t = 20^\circ\text{C}$, $\rho = 1,2 \text{ kg/m}^3$

1800 rpm.				2500 rpm.				3200 rpm.				3960 rpm.			
Δp	Flow	Power	Heat	Δp	Flow	Power	Heat	Δp	Flow	Power	Heat	Δp	Flow	Power	Heat
mbar	m ³ /min.	kW	°C	mbar	m ³ /min.	kW	°C	mbar	m ³ /min.	kW	°C	mbar	m ³ /min.	kW	°C
100	3,40	1,02	30	100	5,36	1,48	30	100	7,32	2,03	29	100	9,44	2,81	29
200	3,06	1,72	43	200	5,02	2,50	41	200	6,98	3,38	39	200	9,11	4,52	39
300	2,81	2,42	58	300	4,77	3,53	52	300	6,73	4,73	50	300	8,86	6,23	49
400	2,59	3,12	74	400	4,55	4,56	65	400	6,51	6,09	62	400	8,64	7,94	60
500	2,40	3,82	93	500	4,36	5,58	79	500	6,32	7,44	74	500	8,45	9,65	71
600	2,23	4,52	114	600	4,19	6,61	94	600	6,15	8,79	86	600	8,28	11,40	82
				700	4,04	7,64	109	700	6,00	10,20	99	700	8,12	13,10	94
				800	3,89	8,66	126	800	5,85	11,50	113	800	7,98	14,80	106
								900	5,71	12,90	127	900	7,84	16,50	118
												1000	7,71	18,20	131

PB3113 Bare Shaft Dimensions

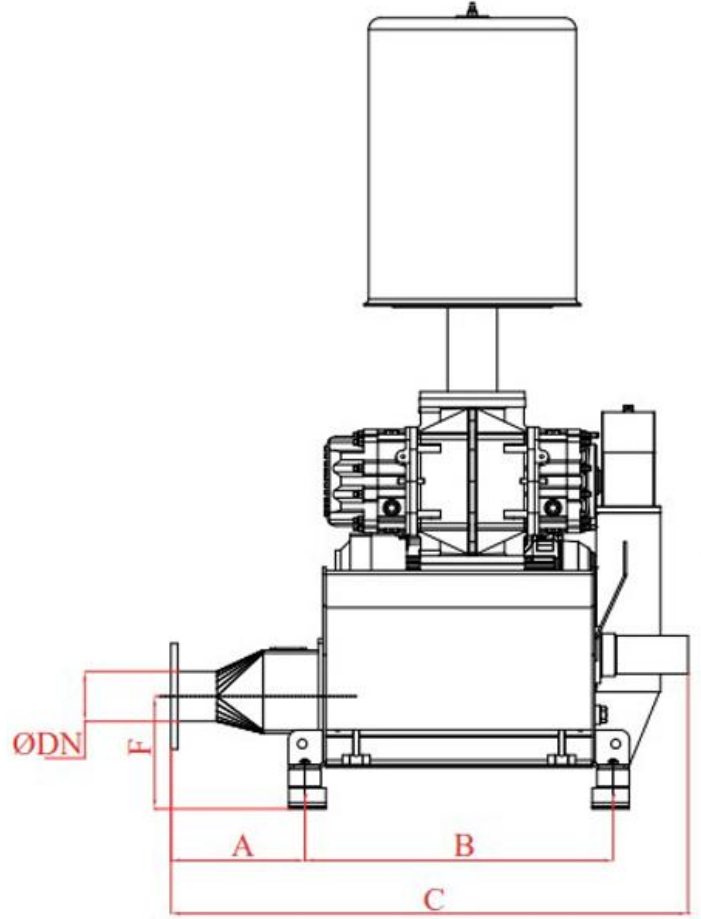
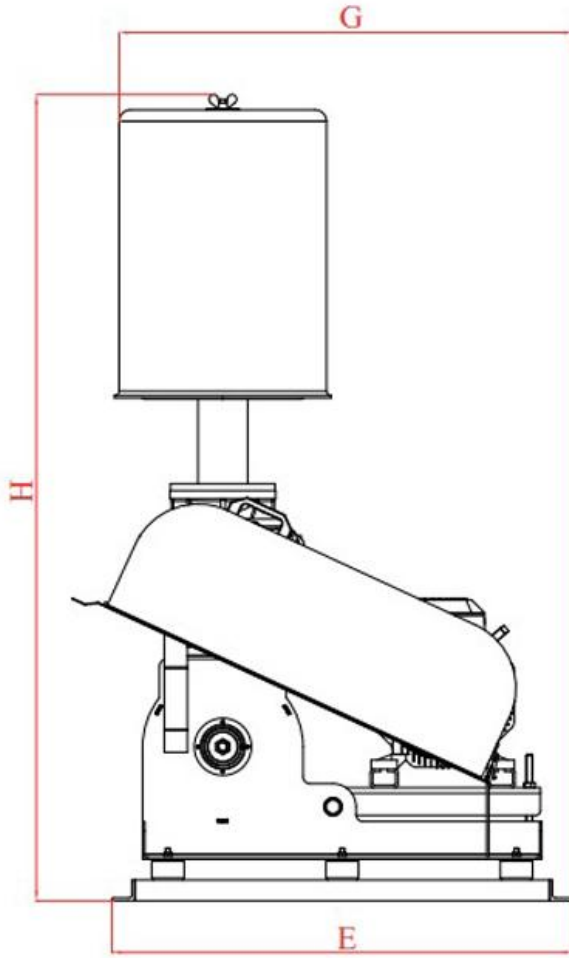


DIN 2576 (PN 10)



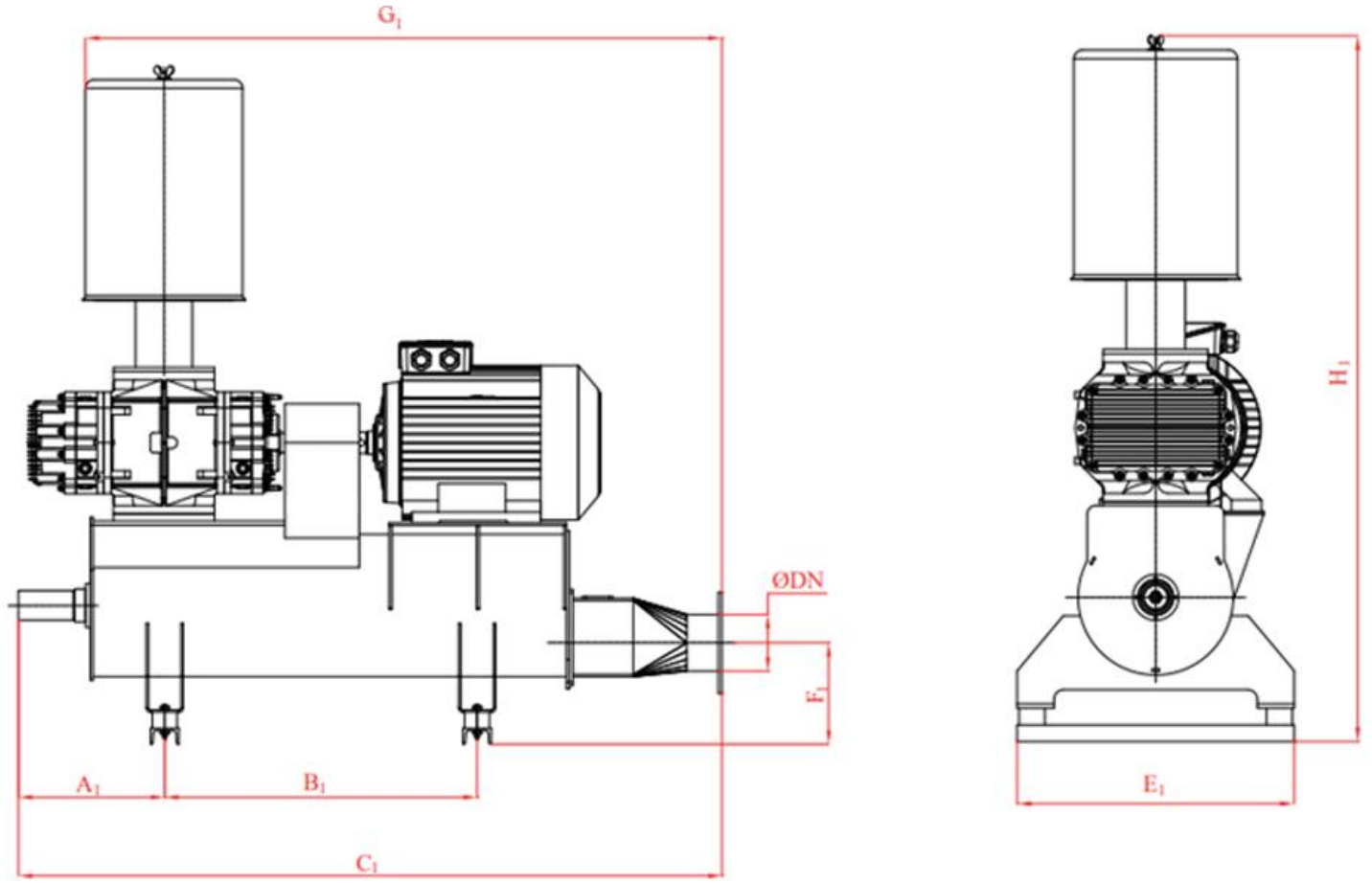
Type	ØDN	ØK	L	M	N	P	R	S	T	U	ØV	ØY	ØZ	Hole Qty	Weight
PB3113	100	200	600	325,5	165,5	302,5	346	160	352,5	88	38	160	18	8	115 Kg

PB3113 Belt Driven Dimensions



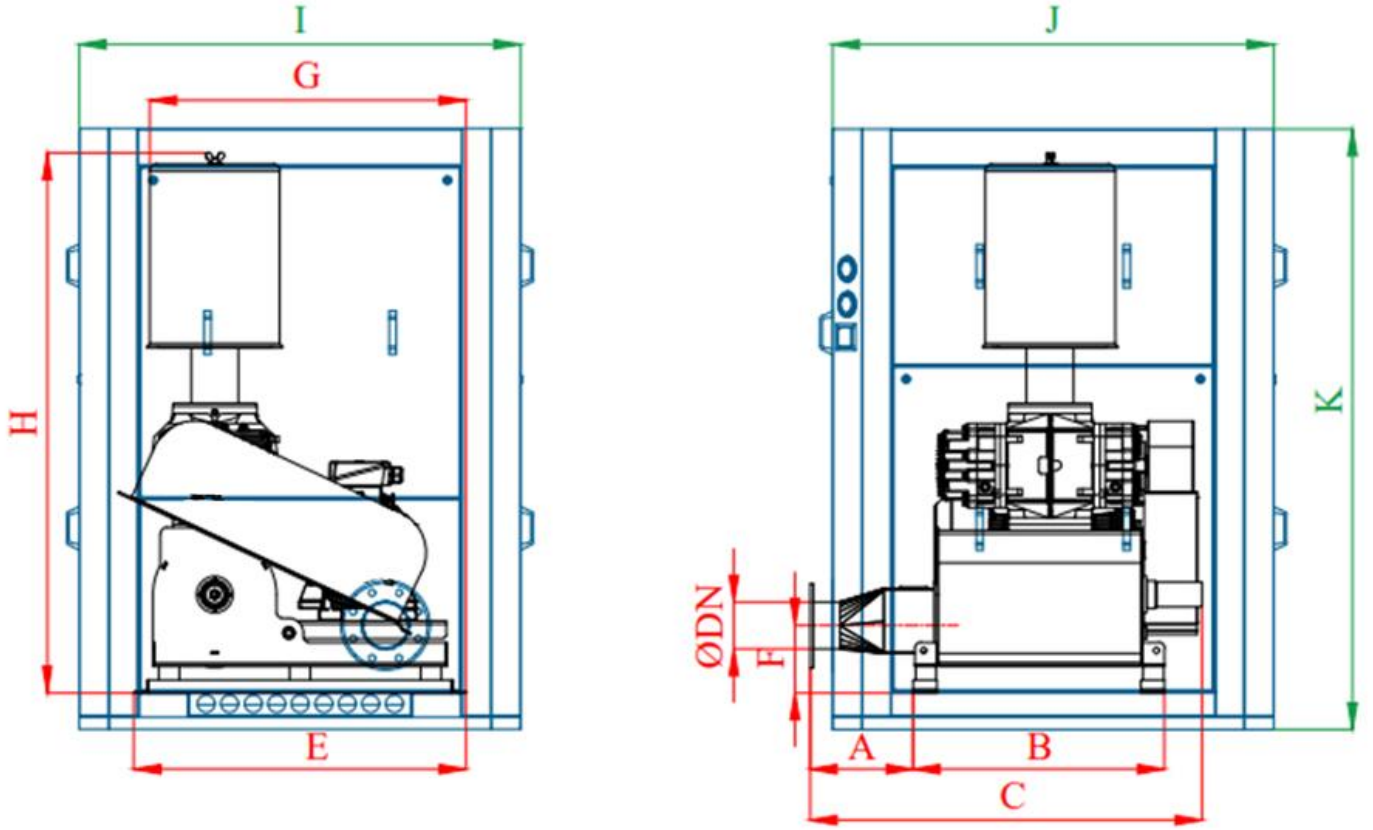
Type	A	B	C	ØDN	E	F	G	H	Weight
PB3113	245	520	922	100	800	205	825	1288	250 Kg

PB3113 Direct Driven Dimensions



Type	A ₁	B ₁	C ₁	ØDN	E ₁	F ₁	G ₁	H ₁	I	J	Weight
PB3113	319	711	1437	100	500	225	1280	1402	42,7	295	250 Kg

PB3113 Acoustic Cabin Dimensions



Type	A	B	C	ØDN	E	F	G	H	I x J x K	Weight
PB3113	245	520	922	100	800	205	825	1288	1000x1050x1500	535 Kg