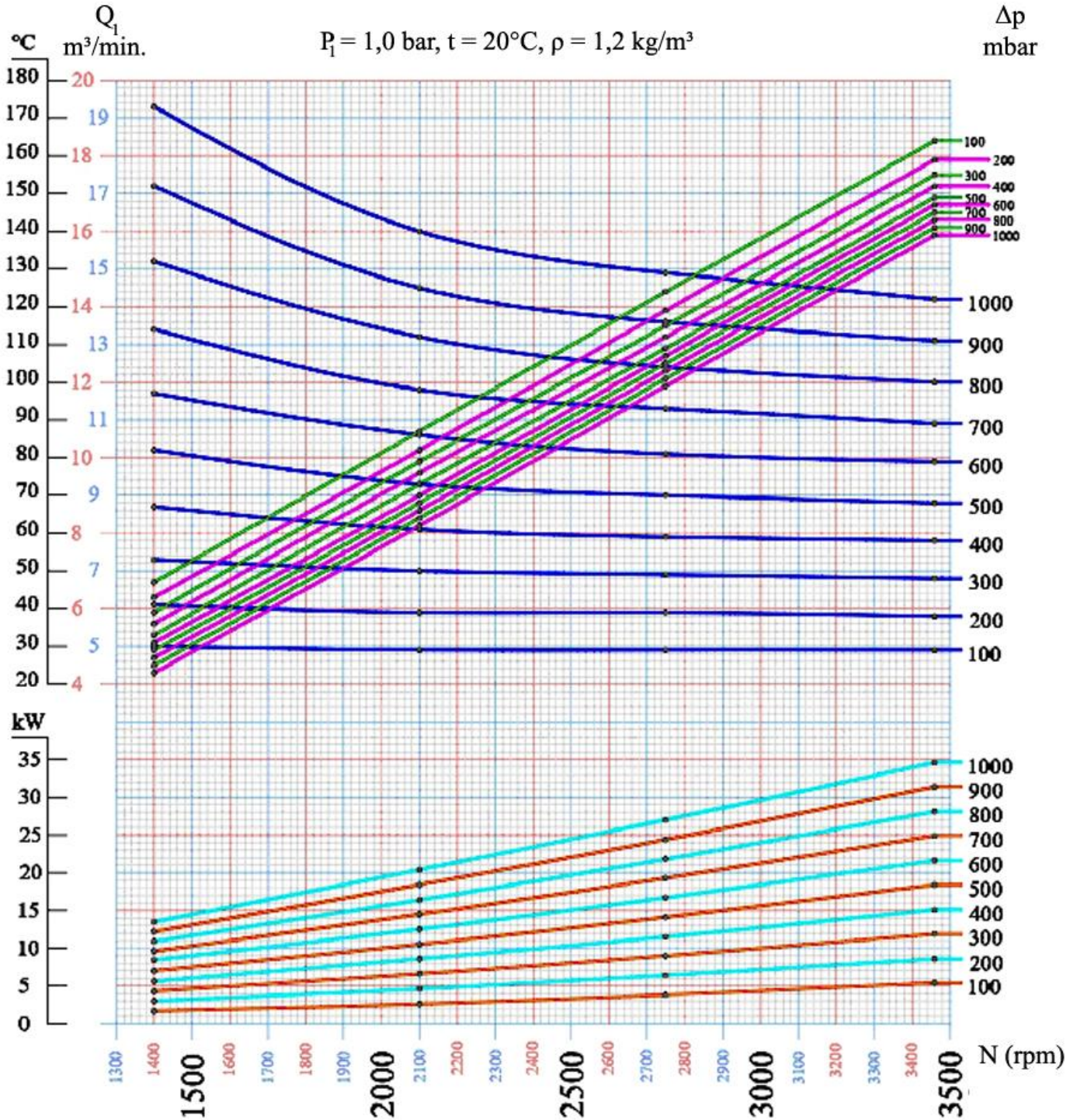


PB125 Twin-Lobe Roots Blower

Flow, Pressure and Power Diagram

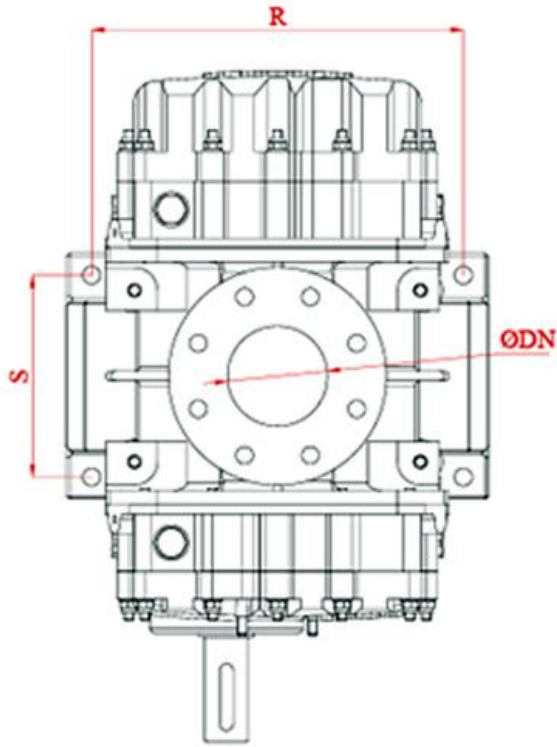
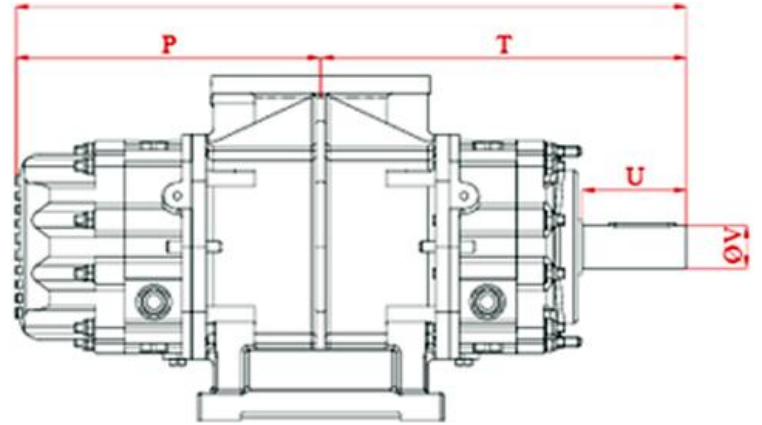
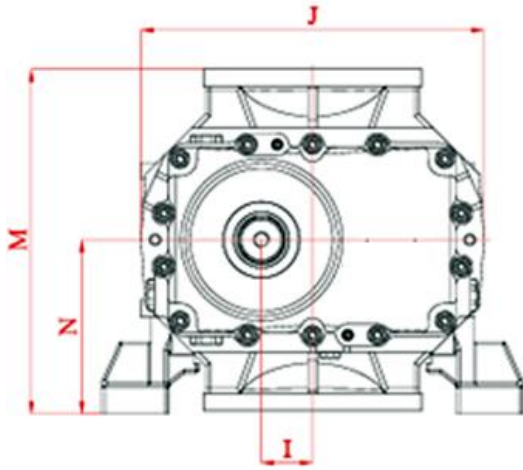


PB125 Twin-Lobe Blower Pressure and Volume Values

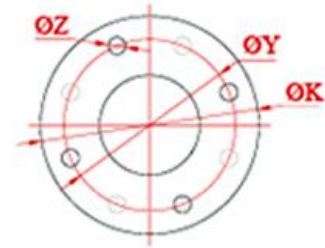
$$P_1 = 1,0 \text{ bar, } t = 20^\circ\text{C, } \rho = 1,2 \text{ kg/m}^3$$

1400 rpm.				2100 rpm.				2750 rpm.				3070 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	6,76	1,70	30	100	10,70	2,62	29	100	14,36	3,77	29	100	16,16	4,45	29
200	6,29	3,02	41	200	10,23	4,59	39	200	13,89	6,35	39	200	15,69	7,33	38
300	5,93	4,33	53	300	9,87	6,56	50	300	13,53	8,93	49	300	15,33	10,20	48
400	5,63	5,64	67	400	9,57	8,53	61	400	13,23	11,50	59	400	15,03	13,10	59
500	5,36	6,96	82	500	9,30	10,50	73	500	12,96	14,10	70	500	14,77	16,00	69
600	5,12	8,27	97	600	9,06	12,50	86	600	12,72	16,70	81	600	14,53	18,90	80
700	4,90	9,58	114	700	8,84	14,50	98	700	12,50	19,30	93	700	14,30	21,70	91
800	4,70	10,90	132	800	8,64	16,40	112	800	12,30	21,80	104	800	14,10	24,60	102

PB125 Bare Shaft Dimensions

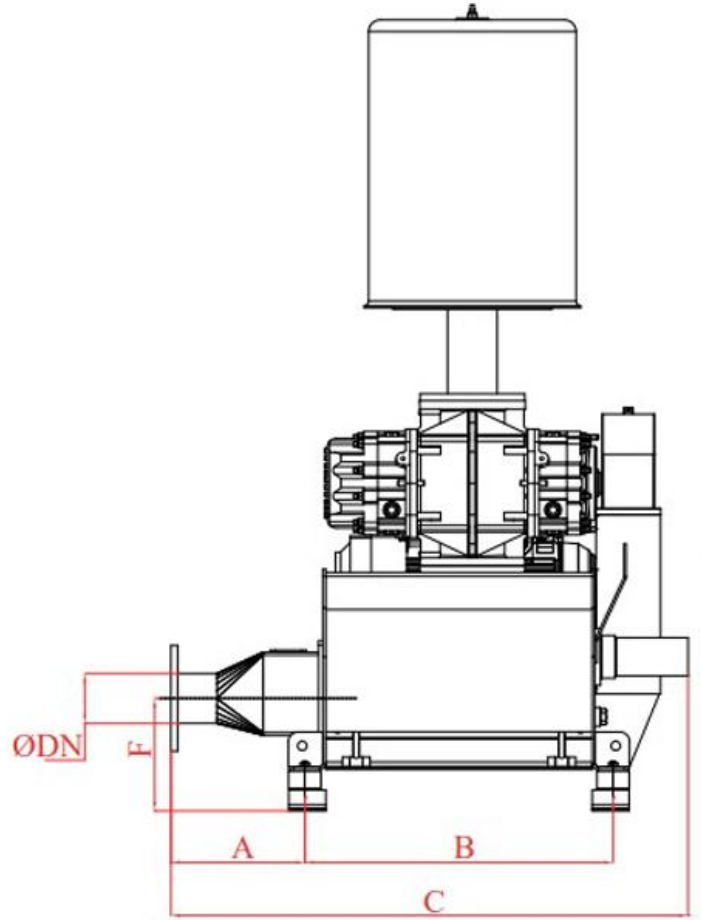
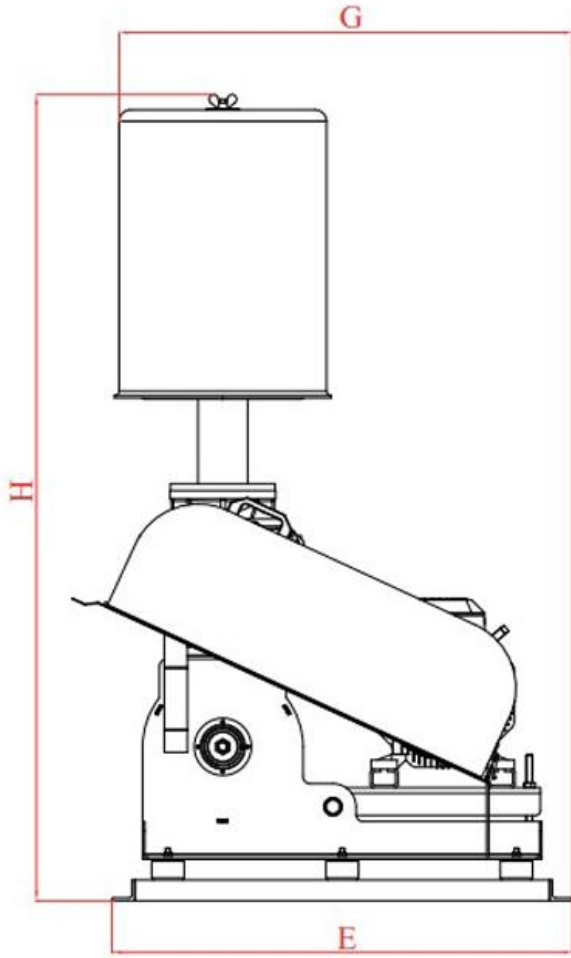


DIN 2576 (PN 10)



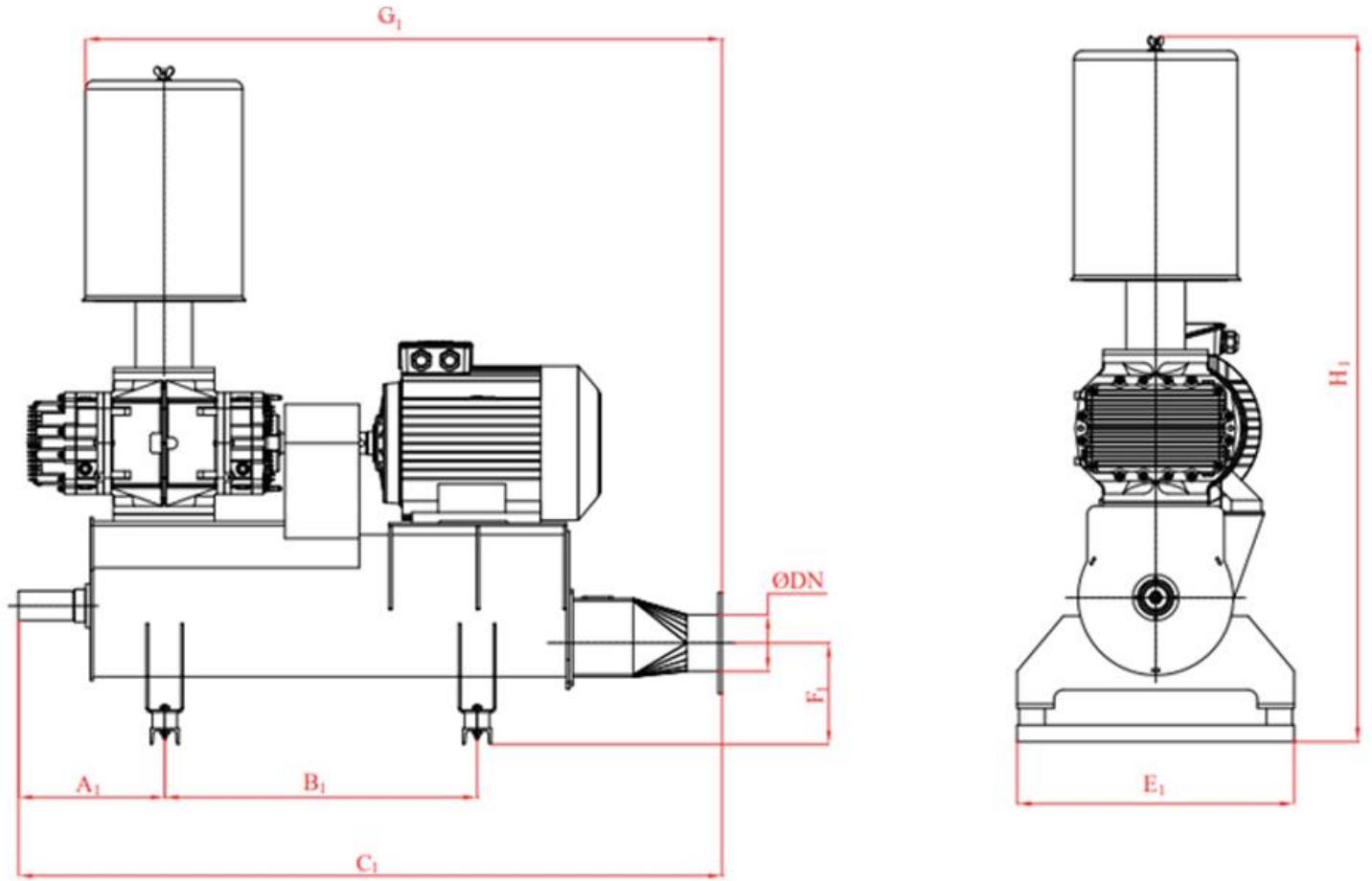
Type	ØDN	ØK	L	M	N	P	R	S	T	U	ØV	ØY	ØZ	Hole Qty	Weight
PB125	100	229	704	362	183	320	390	212	384	110	45	180	18	8	180 Kg

PB125 Belt Driven Dimensions



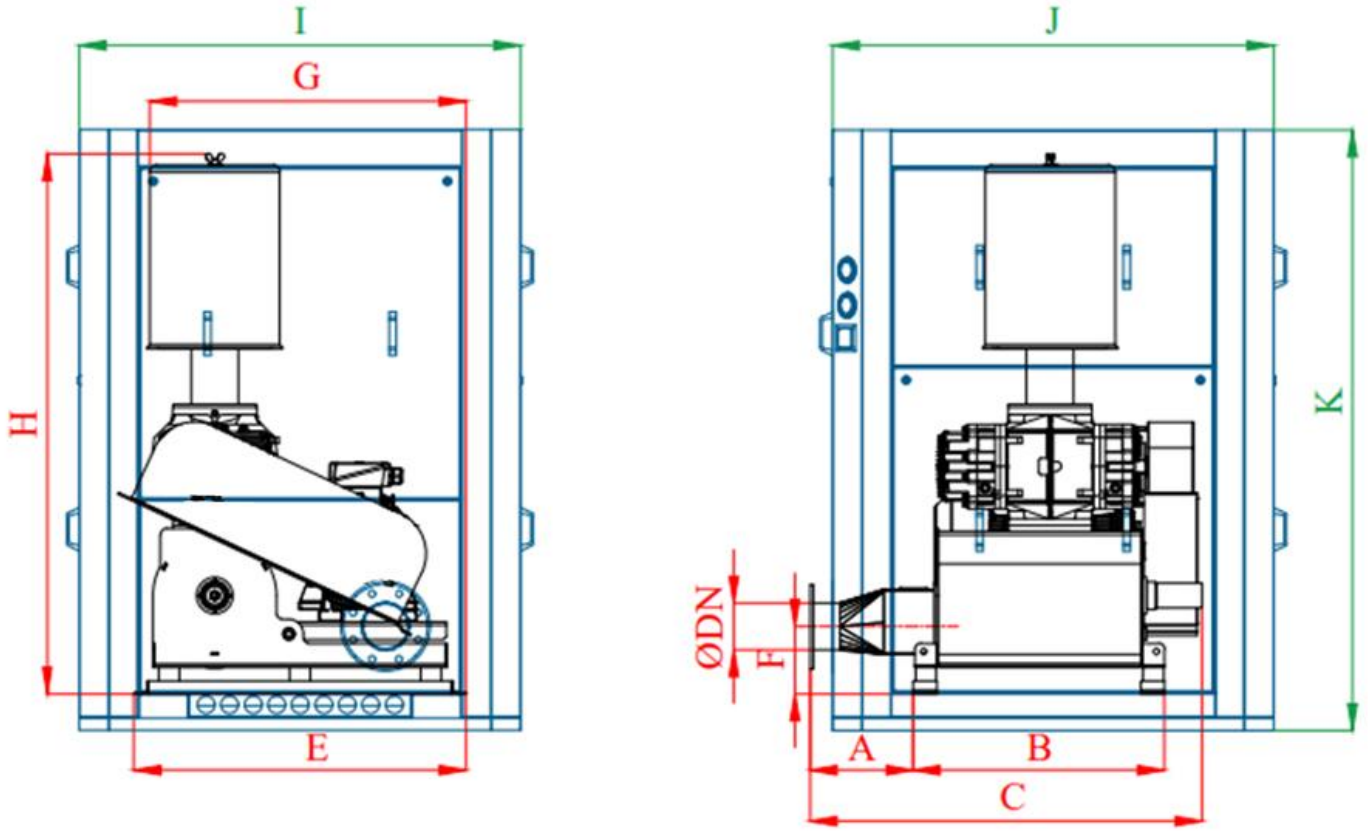
Type	A	B	C	ØDN	E	F	G	H	Weight
PB125	290	669	1122	100	900	244	934	1715	380 Kg

PB125 Direct Driven Dimensions



Type	A ₁	B ₁	C ₁	ØDN	E ₁	F ₁	G ₁	H ₁	I	J	Weight
PB125	410	784	1732	100	540	250	1549	1760	53,5	360	380 Kg

PB125 Acoustic Cabin Dimensions



Type	A	B	C	ØDN	E	F	G	H	I x J x K	Weight
PB125	290	669	1122	100	900	244	934	1715	1300x1300x1844	730 Kg