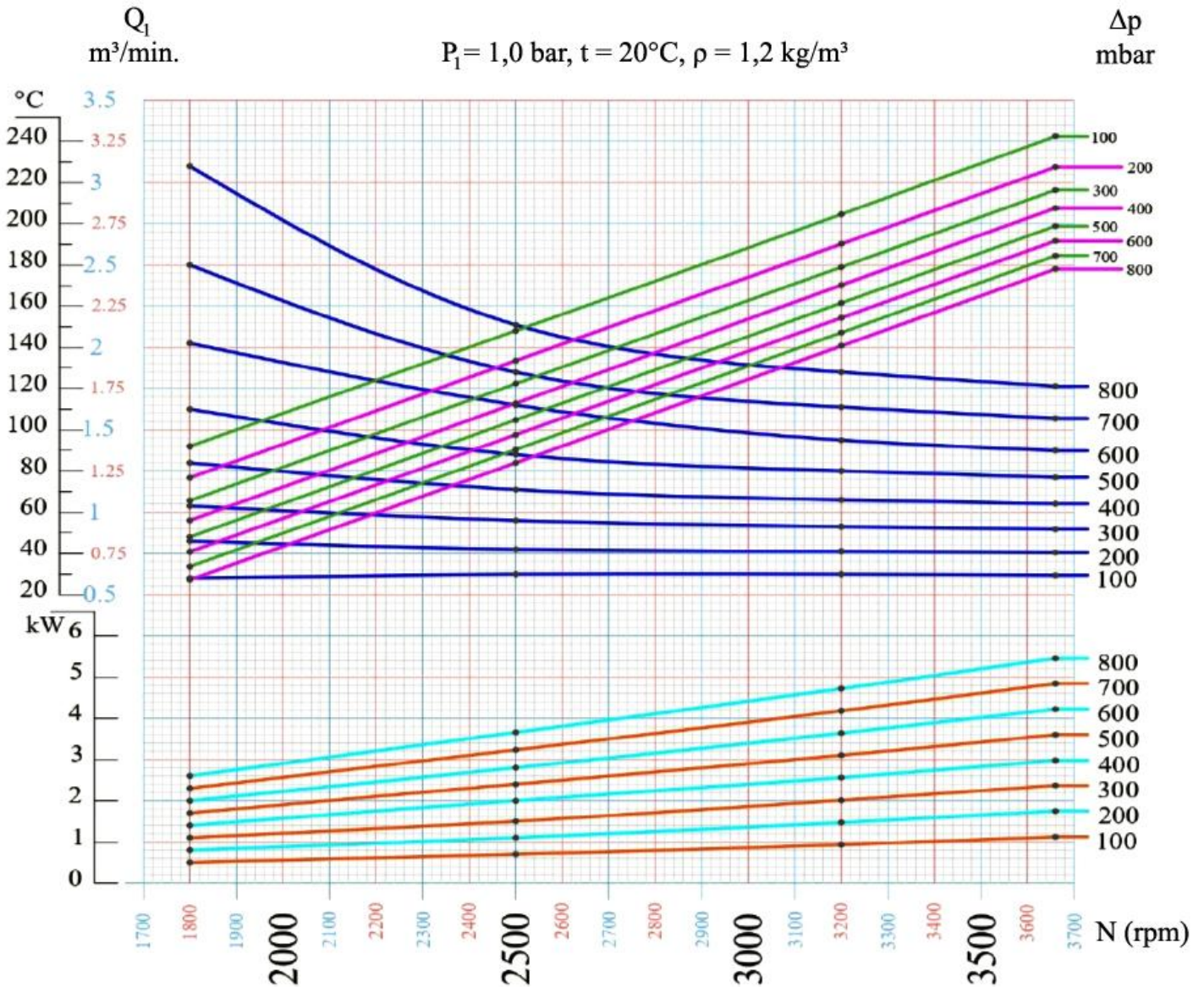


PB100 Twin-Lobe Roots Blower

Flow, Pressure and Power Diagram

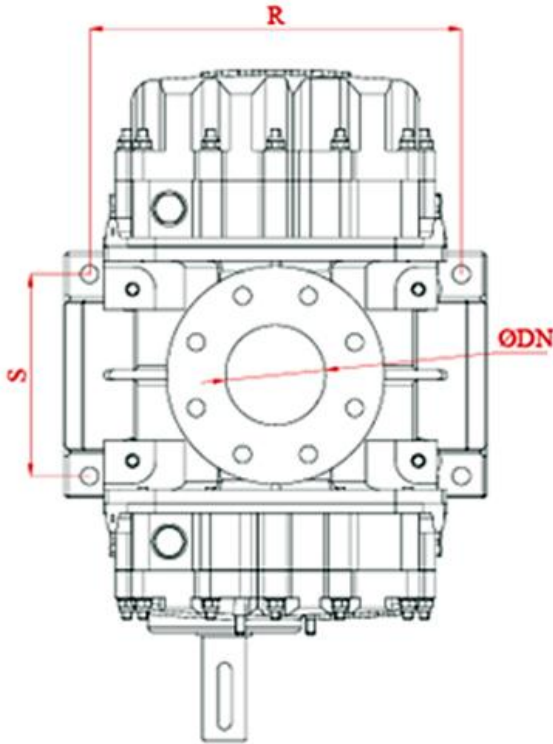
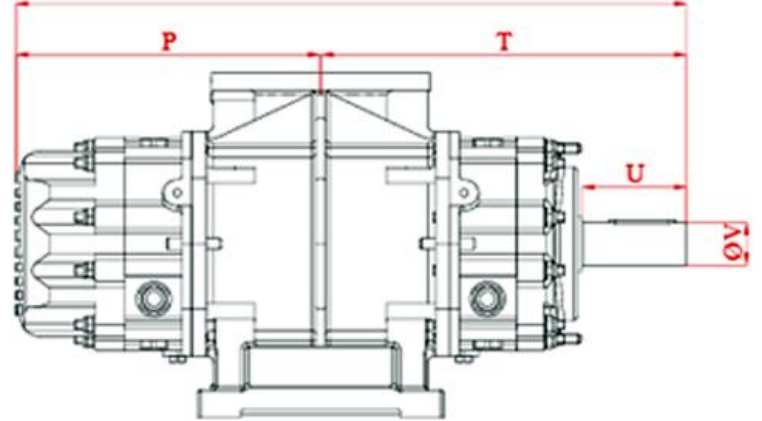
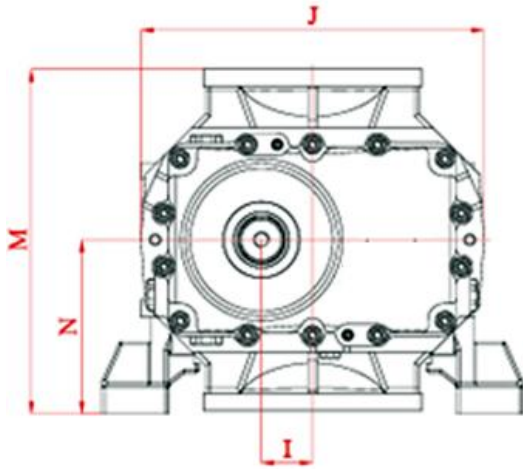


PB100 Twin-Lobe Blower Pressure and Volume Values

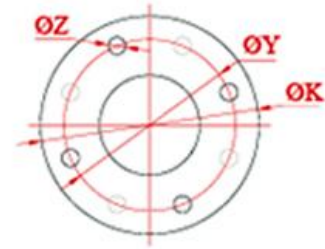
$P_1 = 1,0 \text{ bar}$, $t = 20^\circ\text{C}$, $\rho = 1,2 \text{ kg/m}^3$

1800 rpm.				2500 rpm.				3200 rpm.				3660 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	1,39	0,51	31	100	2,1	0,69	30	100	2,81	0,93	30	100	3,28	1,12	29
200	1,21	0,81	45	200	1,92	1,12	42	200	2,63	1,47	41	200	3,10	1,74	40
300	1,07	1,12	63	300	1,78	1,54	56	300	2,49	2,01	53	300	2,96	2,36	52
400	0,95	1,42	84	400	1,66	1,96	71	400	2,38	2,56	66	400	2,84	2,98	64
500	0,85	1,73	110	500	1,56	2,39	88	500	2,27	3,1	80	500	2,74	3,6	77
				600	1,47	2,81	107	600	2,18	3,64	95	600	2,65	4,22	91
				700	1,38	3,23	128	700	2,09	4,18	111	700	2,56	4,84	105
								800	2,01	4,72	128	800	2,48	5,46	120

PB100 Bare Shaft Dimensions

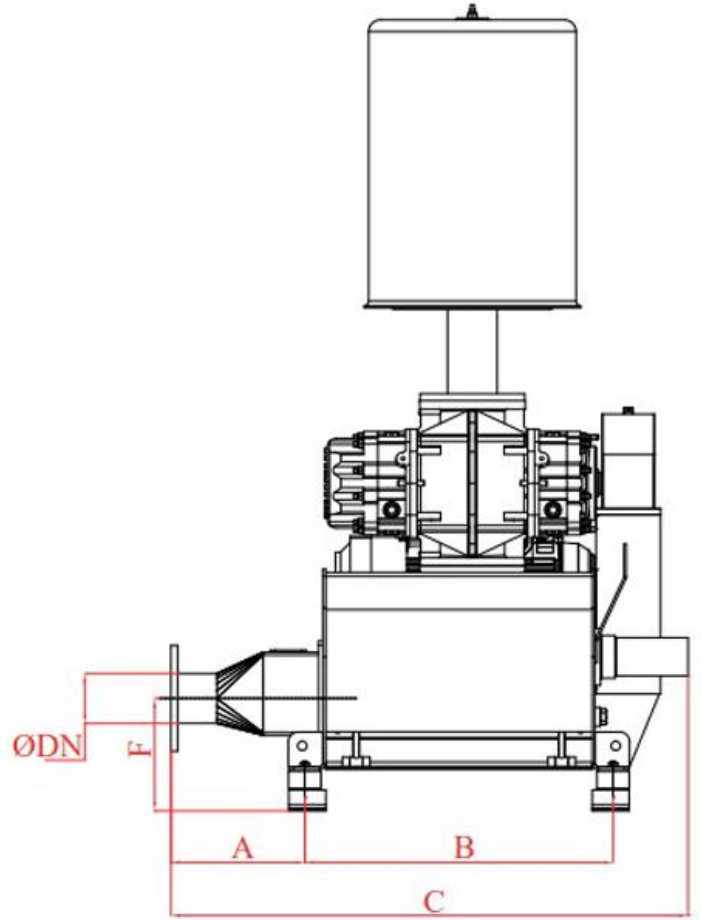
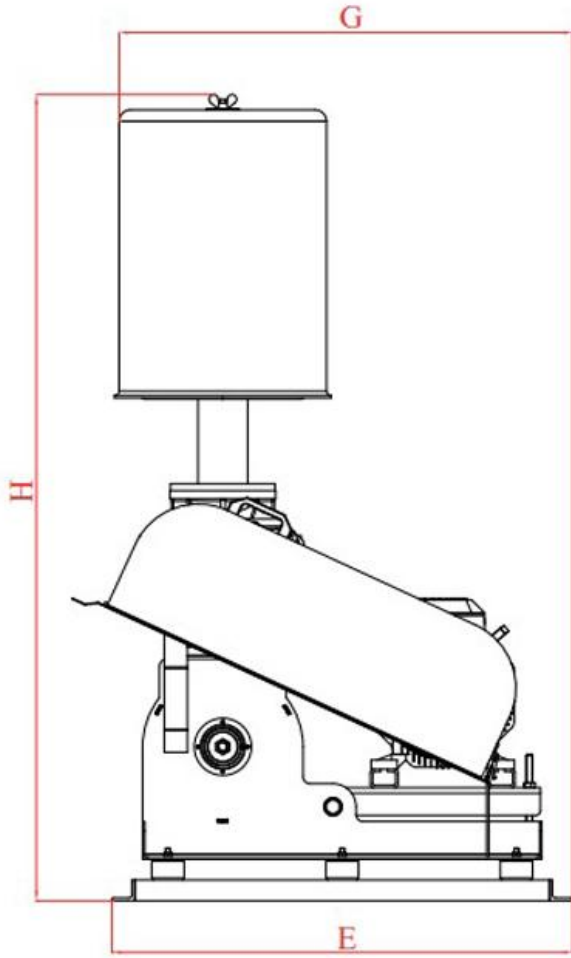


DIN 2576 (PN 10)



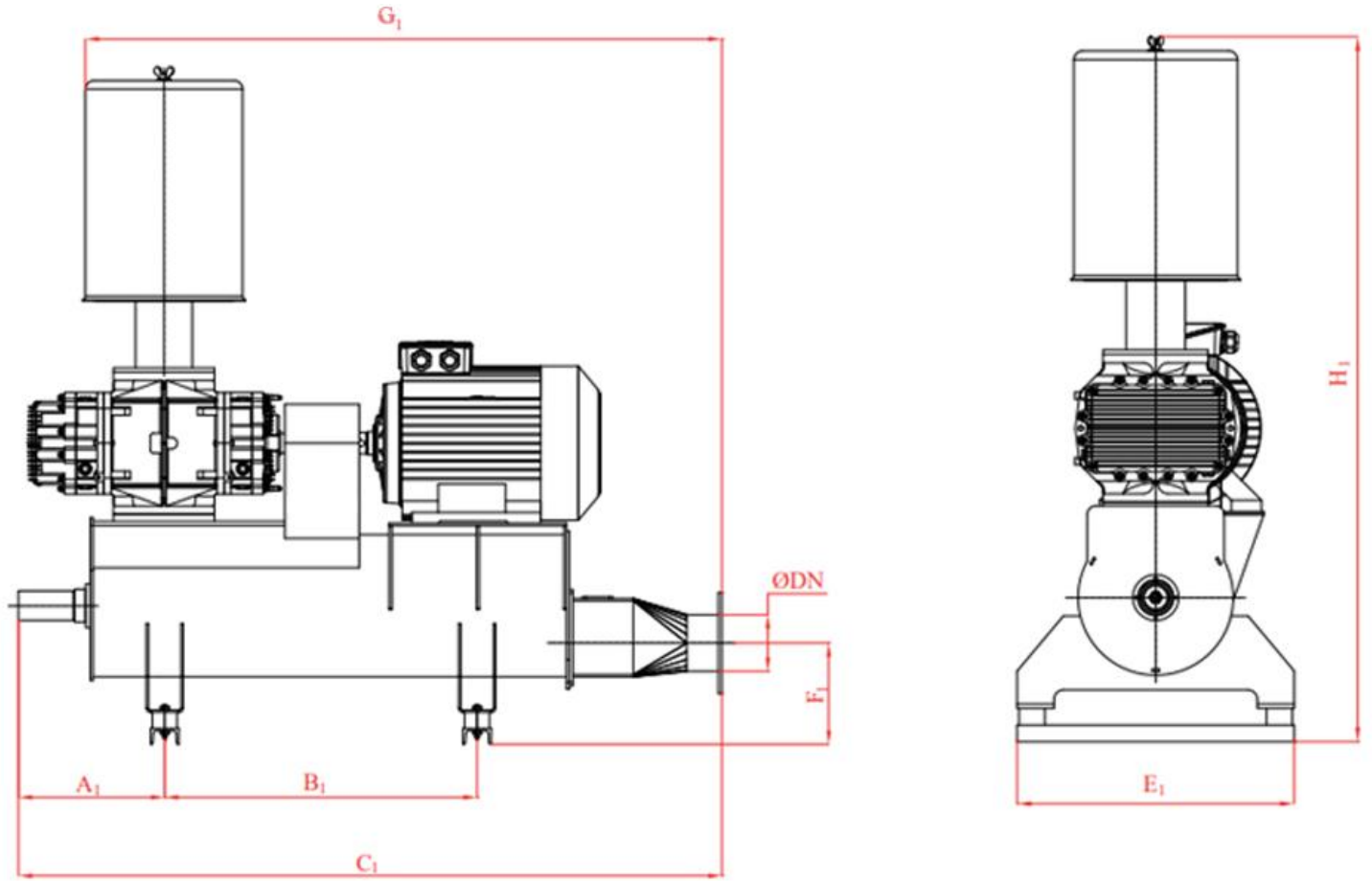
Type	ØDN	ØK	L	M	N	P	R	S	T	U	ØV	ØY	ØZ	Hole Qty	Weight
PB100	50	165	488	258,5	127	225	308	120	263	68	28	125	18	4	70 Kg

PB100 Belt Driven Dimensions



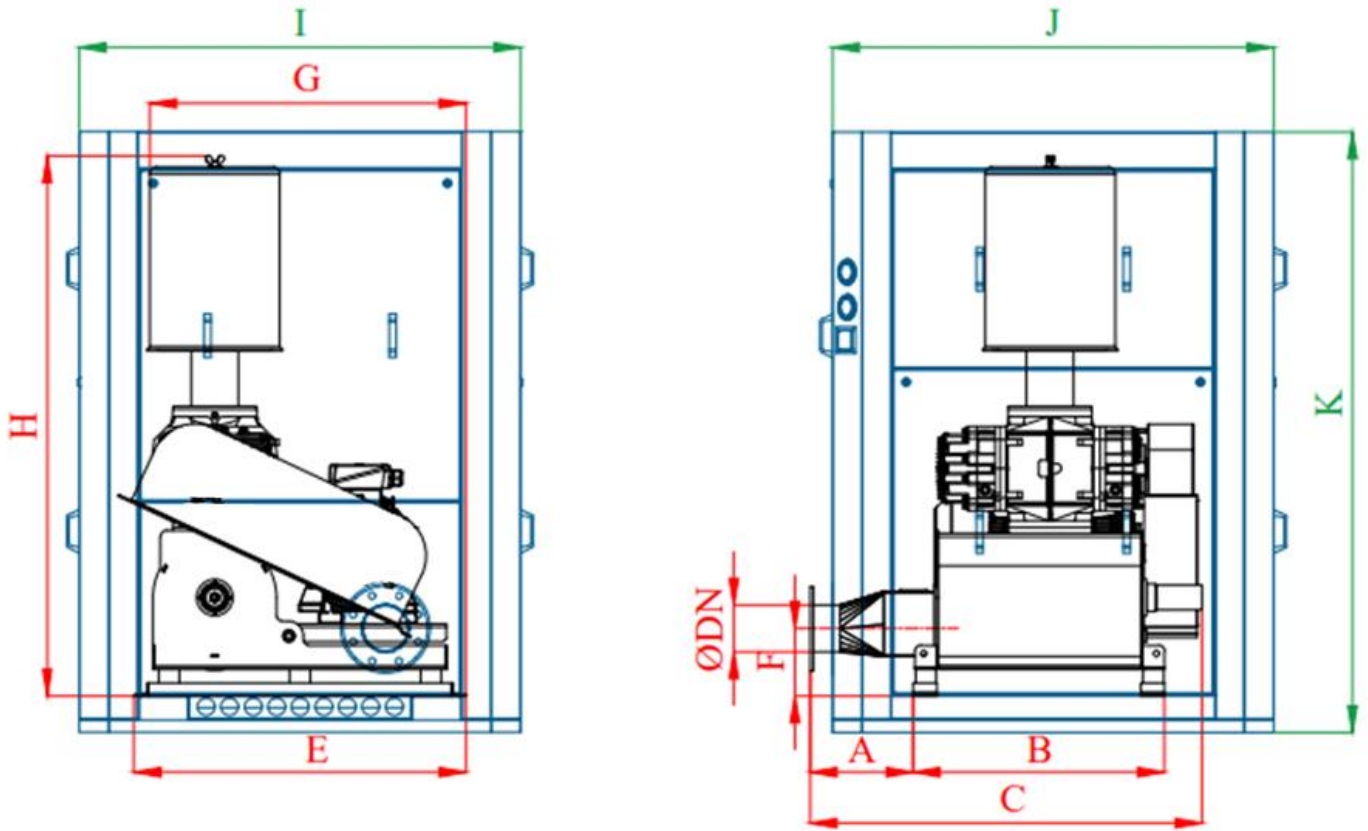
Type	A	B	C	ØDN	E	F	G	H	Weight
PB100	215	480	851	50	800	185	825	1198	185 Kg

PB100 Direct Driven Dimensions



Type	A ₁	B ₁	C ₁	ØDN	E ₁	F ₁	G ₁	H ₁	I	J	Weight
PB100	298	696	1376	50	475	208	1265	1175	34	258	185 Kg

PB100 Acoustic Cabin Dimensions



Type	A	B	C	ØDN	E	F	G	H	I x J x K	Weight
PB100	215	480	851	50	800	185	825	1198	1100x1015x1436	460 Kg