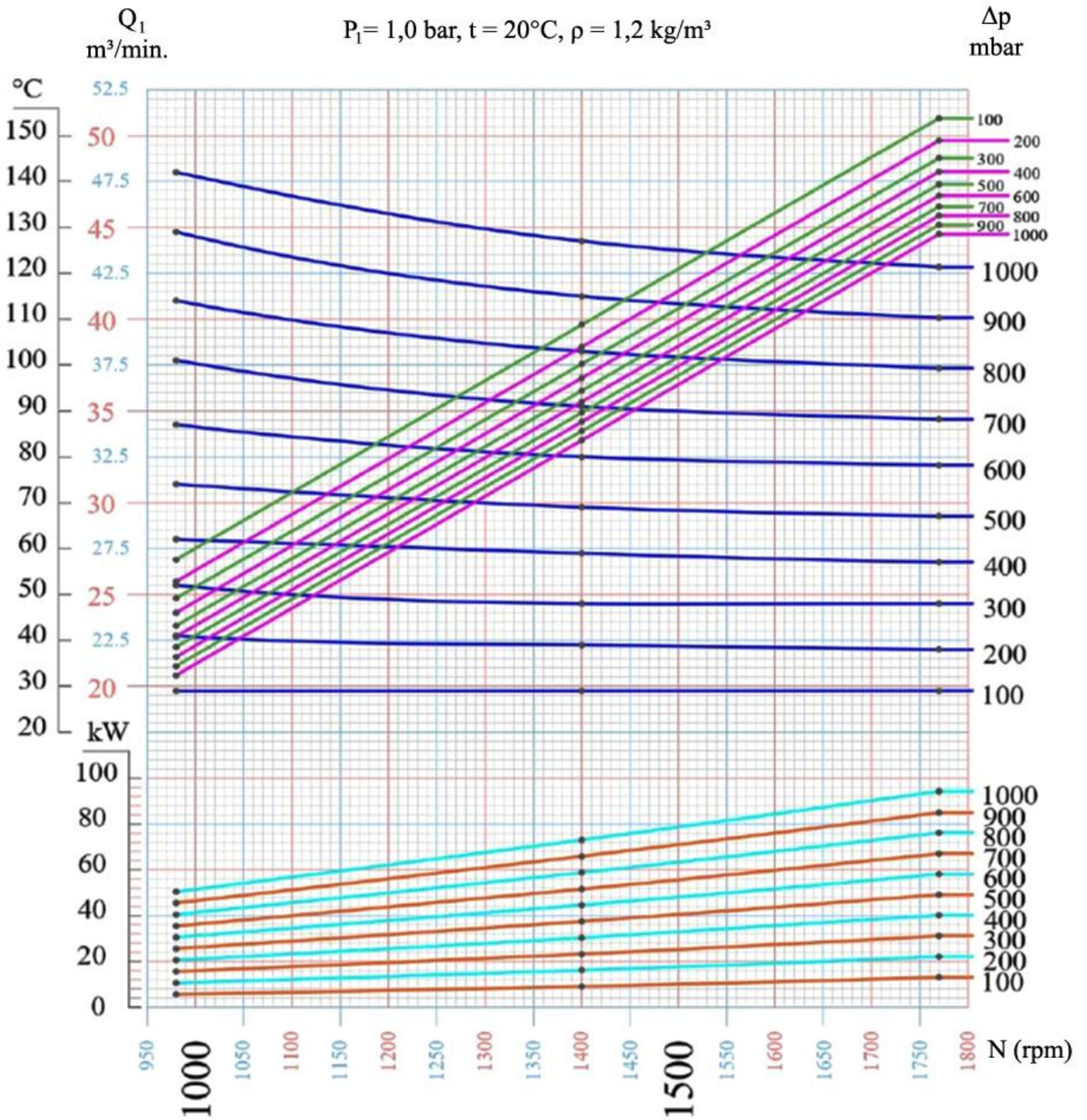


PB151 Twin-Lobe Roots Blower

Flow, Pressure and Power Diagram

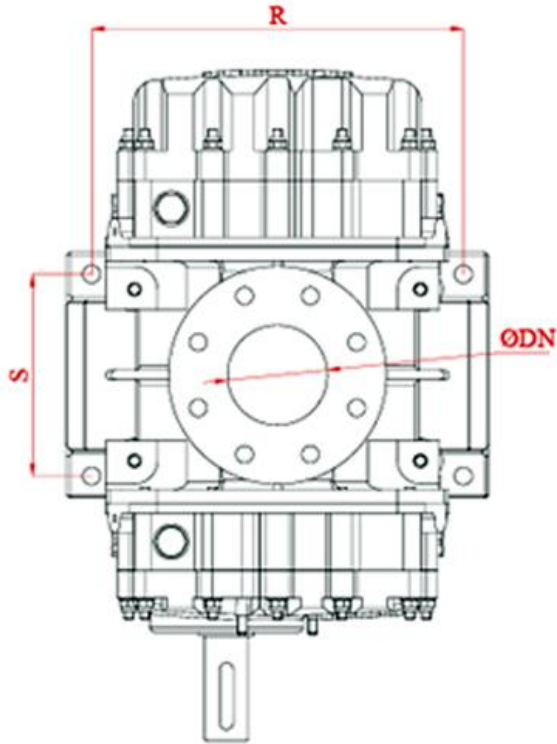
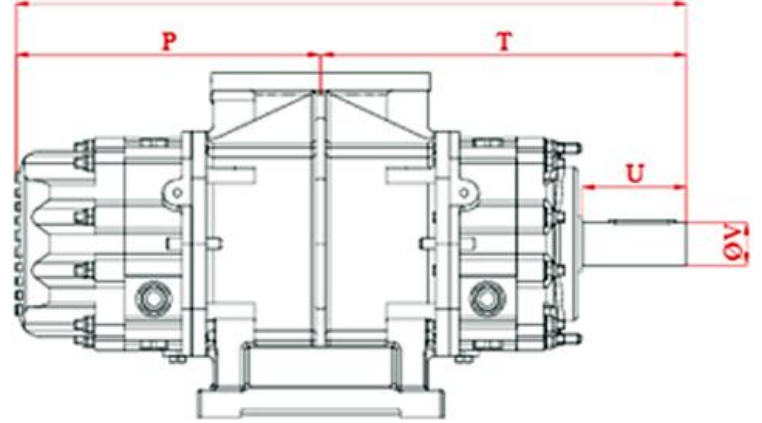
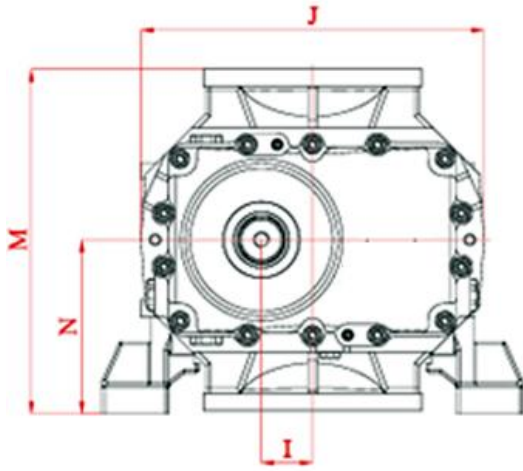


PB151 Twin-Lobe Blower Pressure and Volume Values

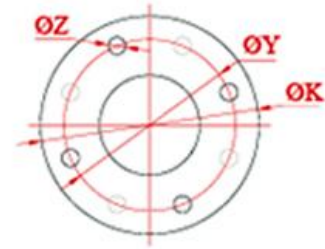
$$P_1 = 1,0 \text{ bar}, t = 20^\circ\text{C}, \rho = 1,2 \text{ kg/m}^3$$

980 rpm.				1400 rpm.				1770 rpm.			
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
100	26,91	5,71	29	100	39,68	9,09	29	100	50,94	13,26	29
200	25,70	10,70	39	200	38,48	16,19	39	200	49,74	22,20	38
300	24,79	15,68	50	300	37,56	23,30	48	300	48,82	31,21	48
400	24,00	20,59	62	400	36,78	30,41	59	400	48,03	40,15	58
500	23,32	25,57	74	500	36,10	37,51	69	500	47,35	49,16	68
600	22,70	30,55	86	600	35,48	44,62	80	600	46,73	58,10	78
700	22,13	35,53	99	700	34,90	51,65	91	700	46,16	67,11	88
800	21,60	40,52	112	800	34,38	58,76	103	800	45,63	76,20	99
900	21,10	45,50	126	900	33,88	65,87	115	900	45,13	84,99	110
				1000	33,41	72,97	127	1000	44,66	93,78	121

PB151 Bare Shaft Dimensions

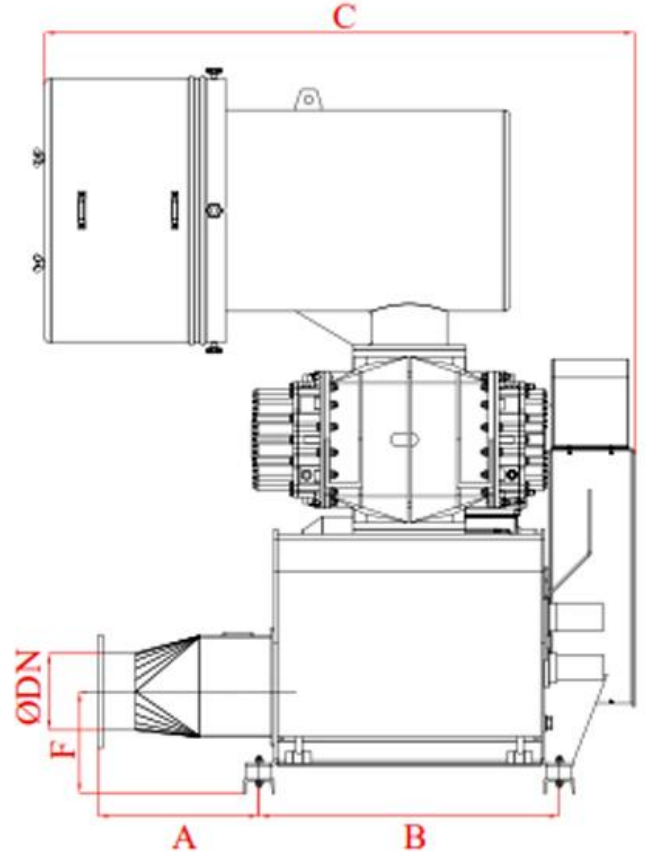
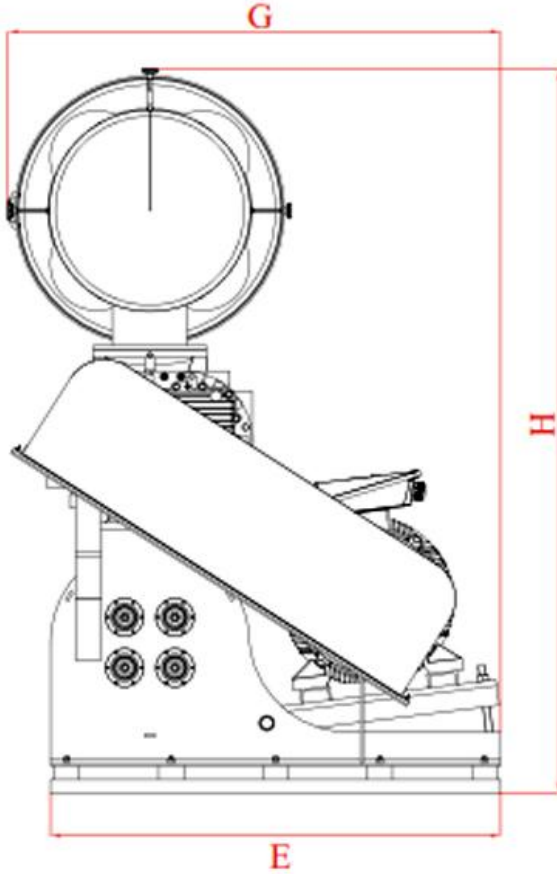


DIN 2576 (PN 10)



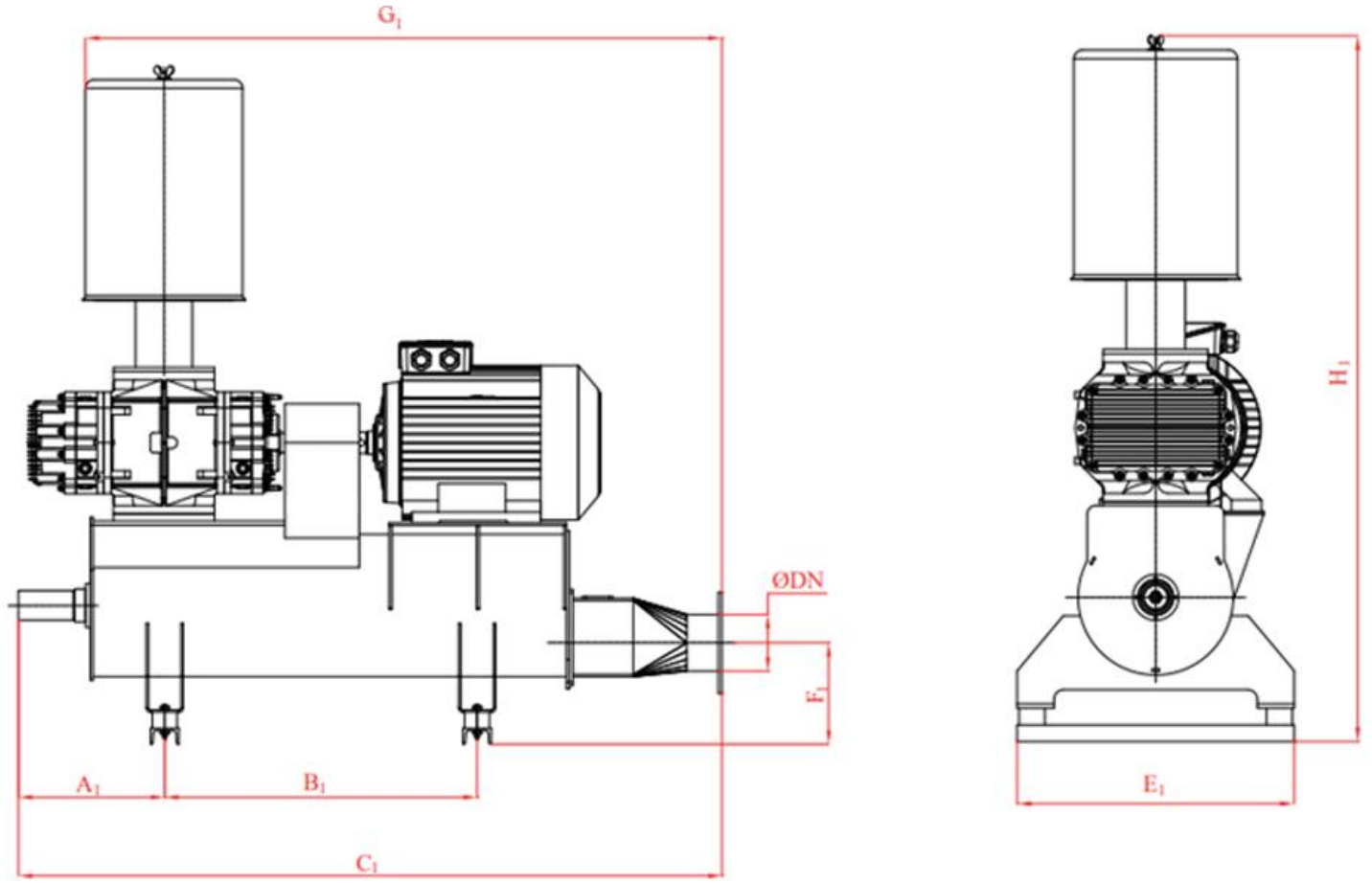
Type	ØDN	ØK	L	M	N	P	R	S	T	U	ØV	ØY	ØZ	Hole Qty	Weight
PB151	200	395	1125	625,5	313,5	527,5	818	278	597,5	158	85	295	22	8	960 Kg

PB151 Belt Driven Dimensions



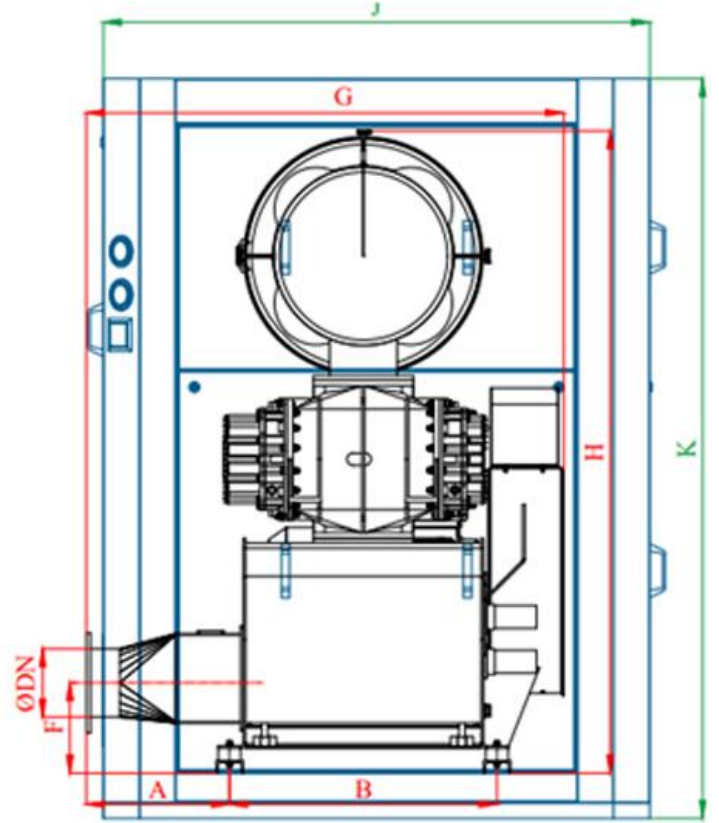
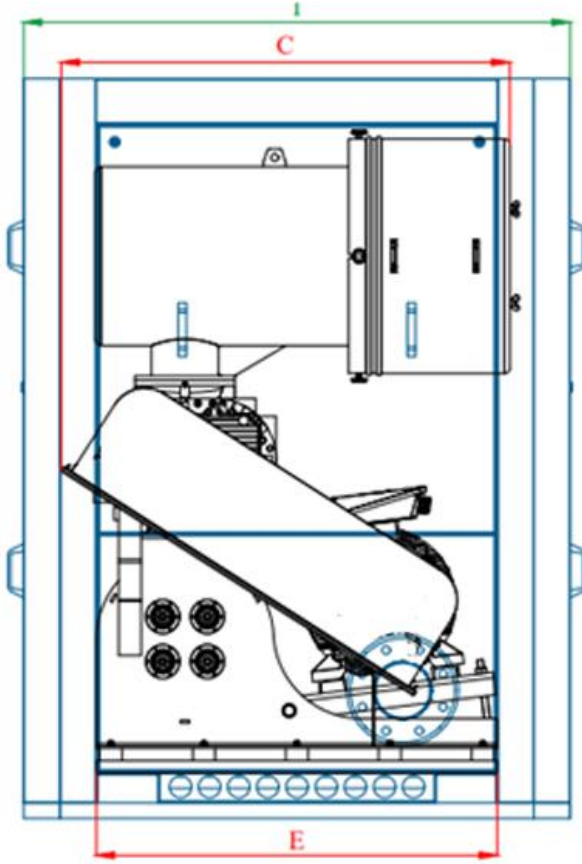
Type	A	B	C	ØDN	E	F	G	H	Weight
PB151	420	1070	2250	200	1450	318	1639	1923	1715 Kg

PB151 Direct Driven Dimensions



Type	A ₁	B ₁	C ₁	ØDN	E ₁	F ₁	G ₁	H ₁	I	J	Weight
PB151	447	1350	2472	200	850	318	2020	1900	84	541	1890 Kg

PB151 Acoustic Cabin Dimensions



Type	A	B	C	ØDN	E	F	G	H	I x J x K	Weight
PB151	420	1070	2250	200	1450	318	1639	1923	2100x2100x2347	2420 Kg