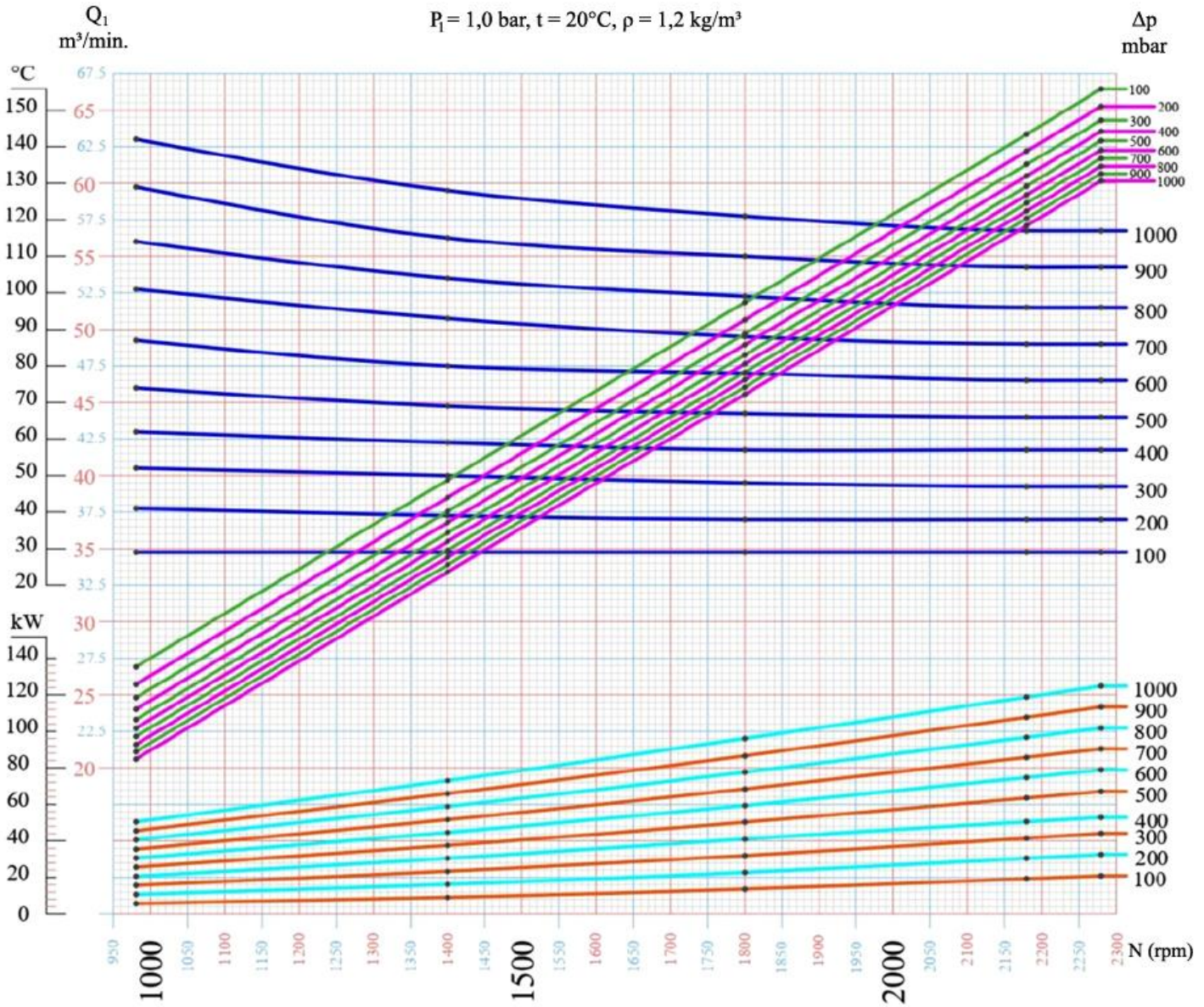


PB3151 Tri-Lobe Roots Blower

Flow, Pressure and Power Diagram

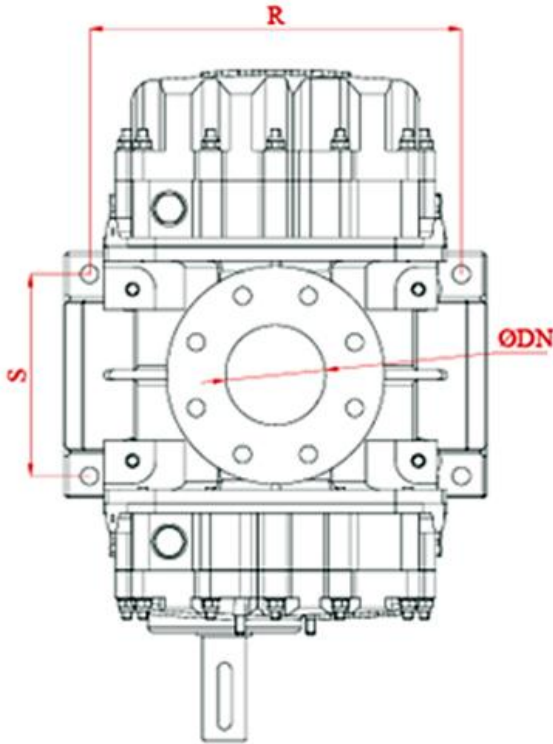
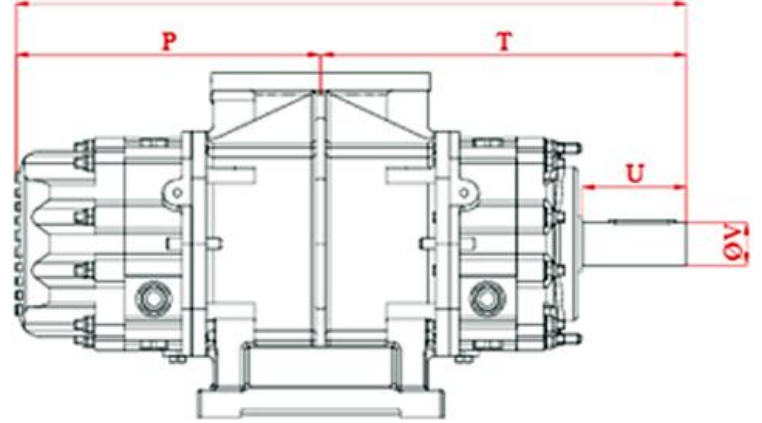
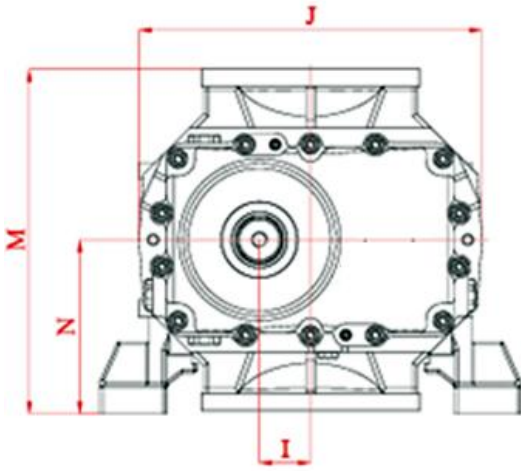


PB3151 Tri-Lobe Blower Pressure and Volume Values

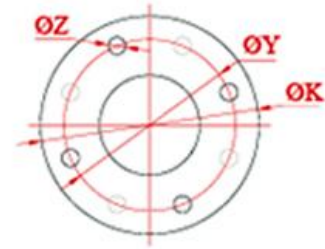
$$P_1 = 1,0 \text{ bar, } t = 20^\circ\text{C, } \rho = 1,2 \text{ kg/m}^3$$

980 rpm.				1400 rpm.				1800 rpm.				2280 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	26,91	5,71	29	100	39,68	9,09	29	100	51,85	13,63	29	100	66,45	21,10	29
200	25,70	10,70	39	200	38,48	16,19	39	200	50,65	22,79	38	200	65,25	32,68	38
300	24,79	15,68	50	300	37,56	23,30	48	300	49,73	31,87	48	300	64,33	44,18	47
400	24,00	20,59	62	400	36,78	30,41	59	400	48,95	41,03	57	400	63,55	55,76	57
500	23,32	25,57	74	500	36,10	37,51	69	500	48,26	50,19	67	500	62,86	67,33	66
600	22,70	30,55	86	600	35,48	44,62	80	600	47,65	59,27	78	600	62,25	79,13	76
700	22,13	35,53	99	700	34,90	51,65	91	700	47,07	68,43	88	700	61,68	90,12	86
800	21,60	40,52	112	800	34,38	58,76	103	800	46,55	77,66	99	800	61,15	101,84	96
900	21,10	45,50	126	900	33,88	65,87	115	900	46,05	86,46	110	900	60,65	113,56	107
				1000	33,41	72,97	127	1000	45,57	95,98	121	1000	60,17	125,29	117

PB3151 Bare Shaft Dimensions

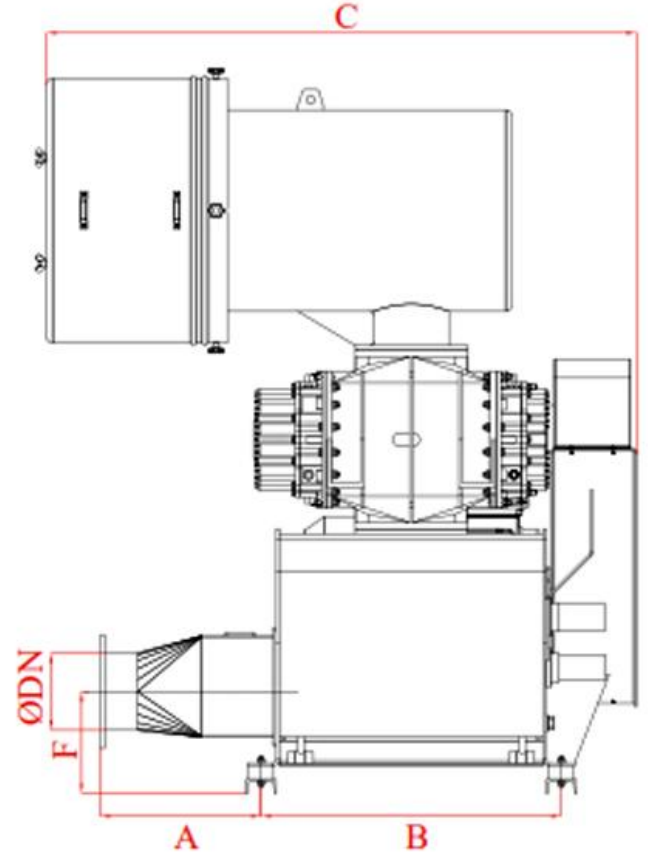
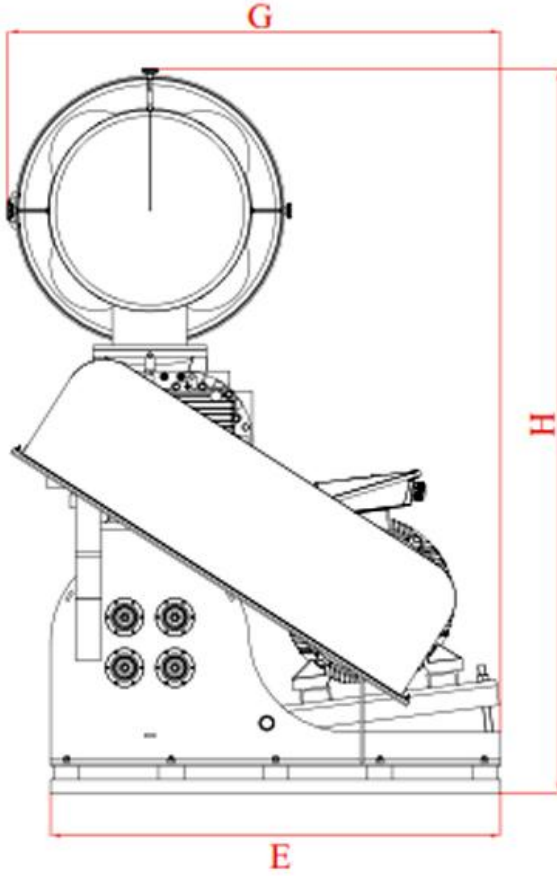


DIN 2576 (PN 10)



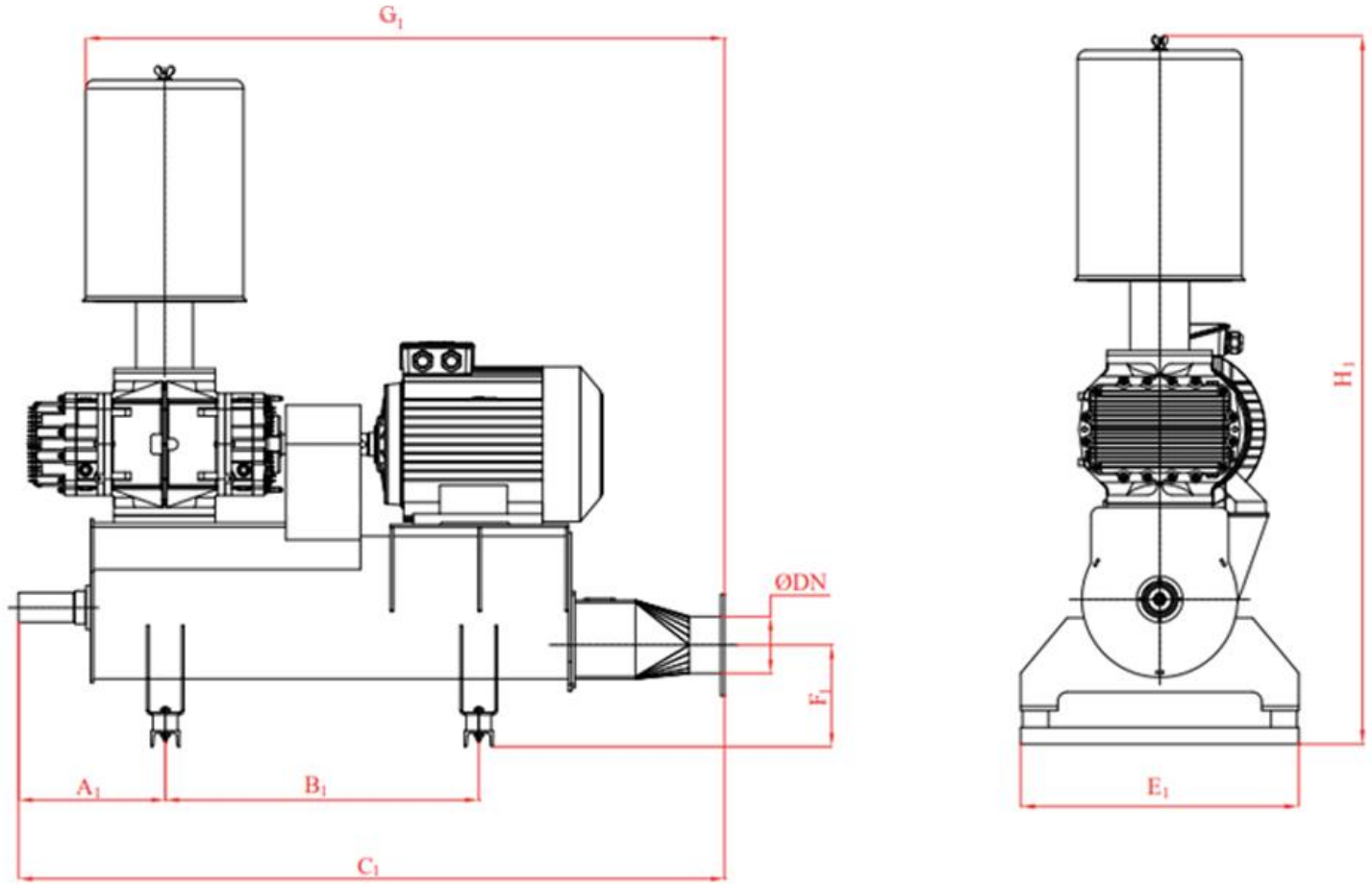
Type	ØDN	ØK	L	M	N	P	R	S	T	U	ØV	ØY	ØZ	Hole Qty	Weight
PB3151	200	395	1125	625,5	313,5	527,5	818	278	597,5	158	85	295	22	8	960 Kg

PB3151 Belt Driven Dimensions



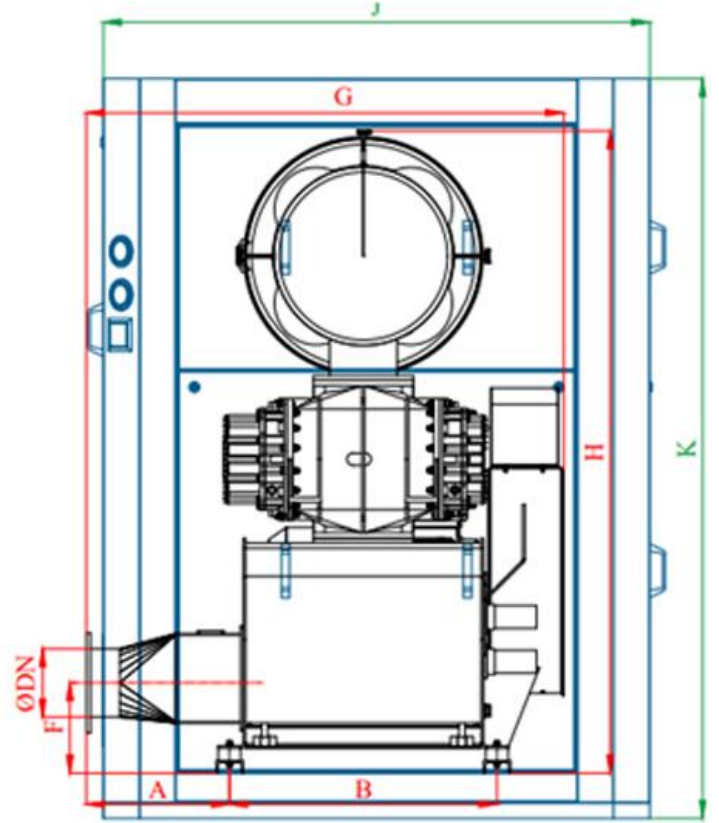
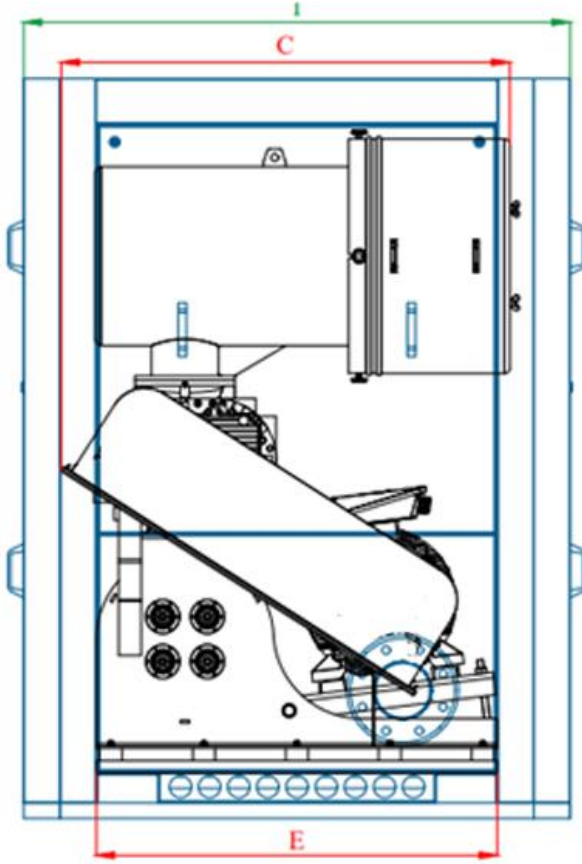
Type	A	B	C	ØDN	E	F	G	H	Weight
PB3151	420	1070	2250	200	1450	318	1633	1923	1715 Kg

PB3151 Direct Driven Dimensions



Type	A ₁	B ₁	C ₁	ØDN	E ₁	F ₁	G ₁	H ₁	I	J	Weight
PB3151	447	1350	2472	200	850	318	2020	1900	84	541	1900 Kg

PB3151 Acoustic Cabin Dimensions



Type	A	B	C	ØDN	E	F	G	H	I x J x K	Weight
PB3151	420	1070	2250	200	1450	318	1639	1923	2100x2100x2347	2420 Kg