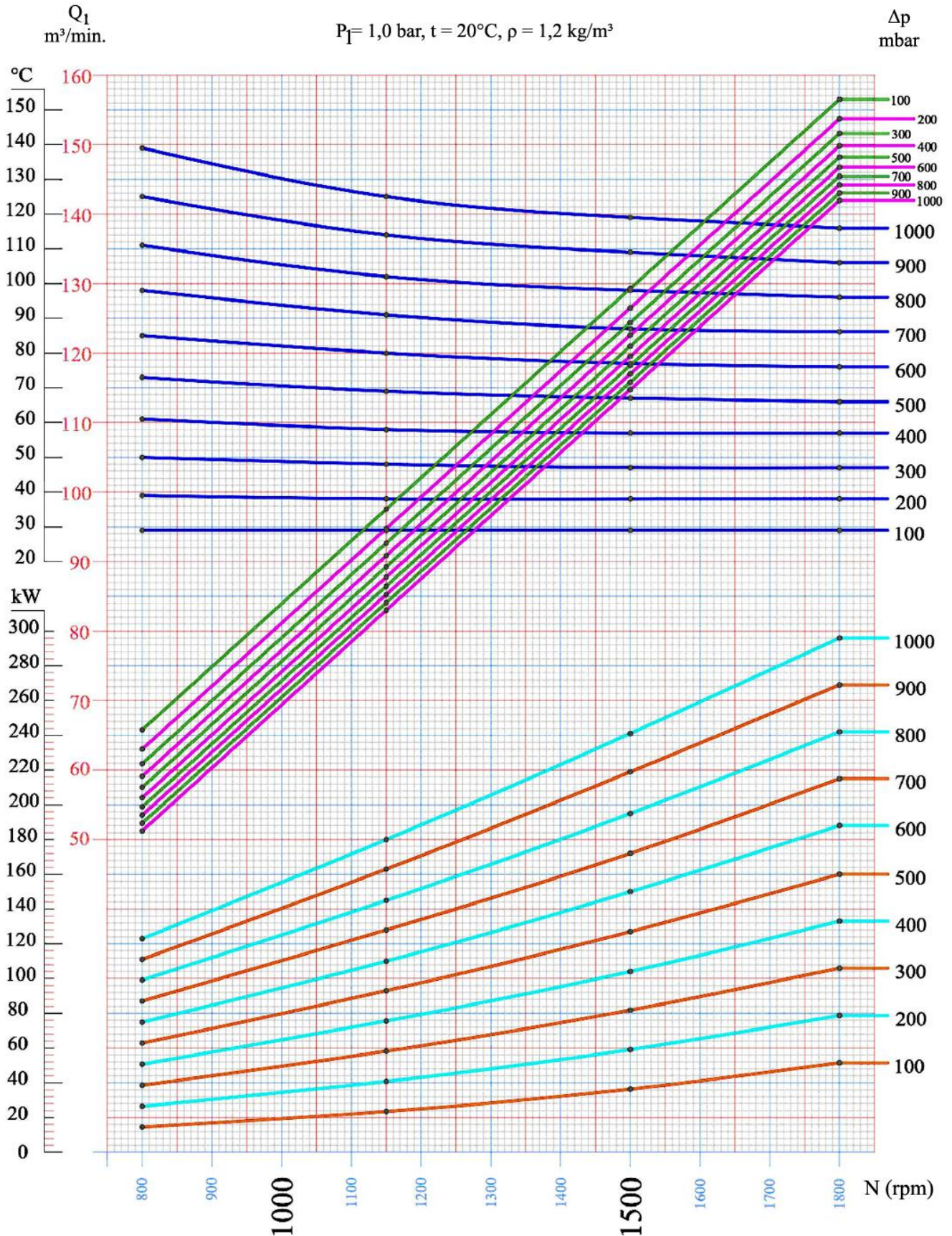


PB3161 Tri-Lobe Roots Blower

Flow, Pressure and Power Diagram

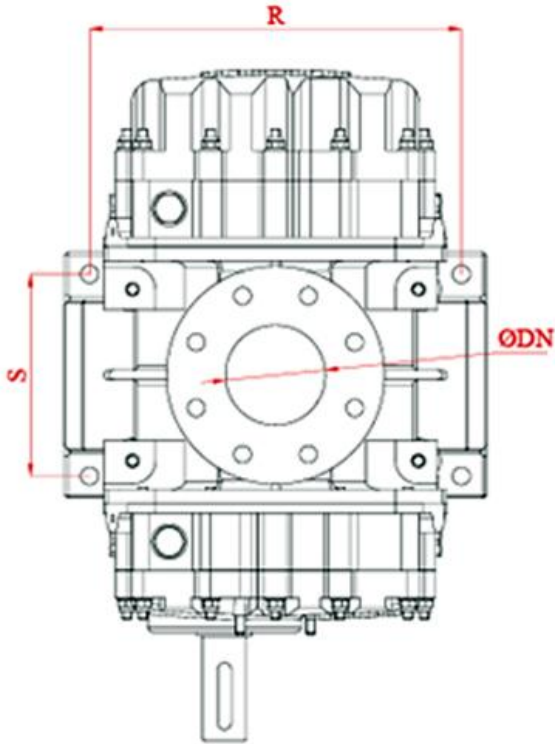
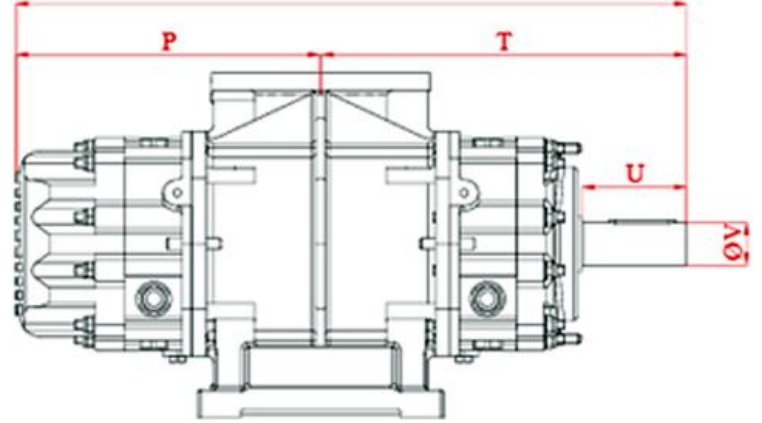
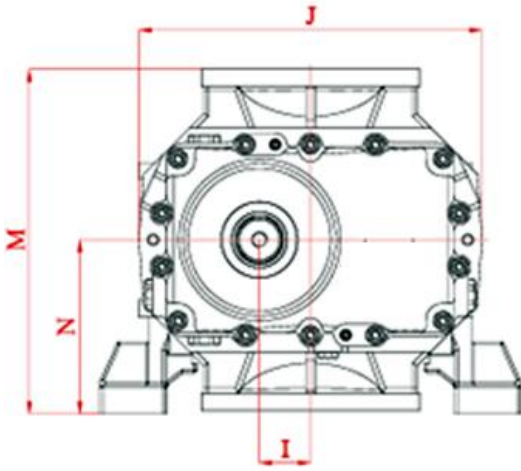


PB3161 Tri-Lobe Blower Pressure and Volume Values

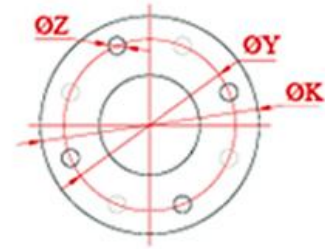
$$P_1 = 1,0 \text{ bar}, t = 20^\circ\text{C}, \rho = 1,2 \text{ kg/m}^3$$

800 rpm.				1150 rpm.				1500 rpm.				1800 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	65,78	14,4	29	100	97,53	23,5	29	100	129,27	36,4	29	100	156,48	51,5	29
200	62,97	26,50	39	200	94,72	40,80	38	200	126,46	59,10	38	200	153,67	78,70	38,
300	60,82	38,6	50	300	92,56	58,2	48	300	124,31	81,8	47	300	151,52	106	47
400	59,00	50,70	61	400	90,75	75,60	58	400	122,49	104,00	57	400	149,70	133,00	57
500	57,4	62,8	73	500	89,15	93	69	500	120,89	127	67	500	148,1	160	66
600	55,95	74,9	85	600	87,7	110	80	600	119,44	150	77	600	146,65	188	76
700	54,62	87,00	98	700	86,37	128,00	91	700	118,11	172,00	87	700	145,32	215,00	86
800	53,39	99,1	111	800	85,13	145	102	800	116,88	195	98	800	144,9	242	96
900	52,22	111,00	125	900	83,97	163,00	114	900	115,71	218,00	109	900	142,92	269,00	106
				1000	82,87	180	125	1000	114,61	241	119	1000	141,82	296	116

PB3161 Bare Shaft Dimensions

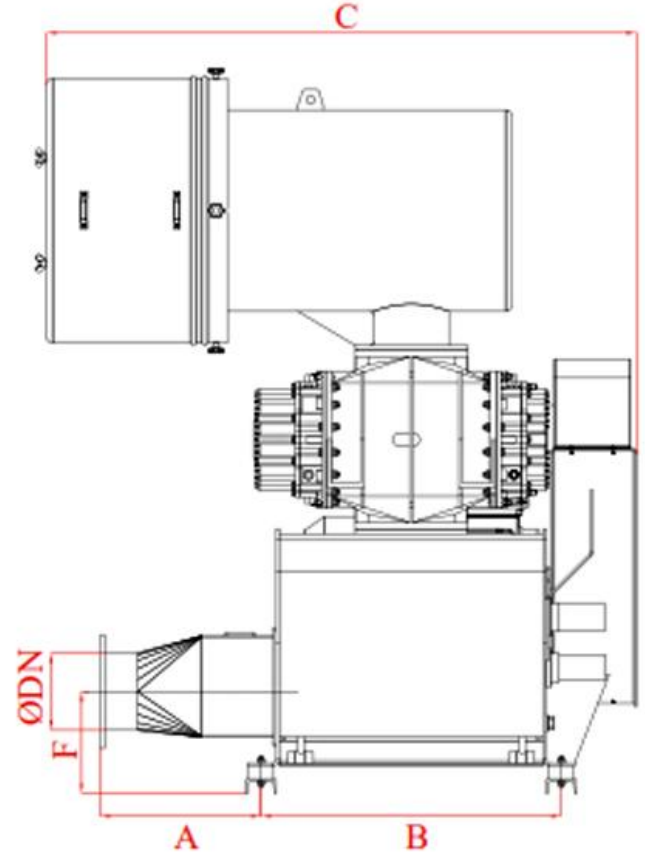
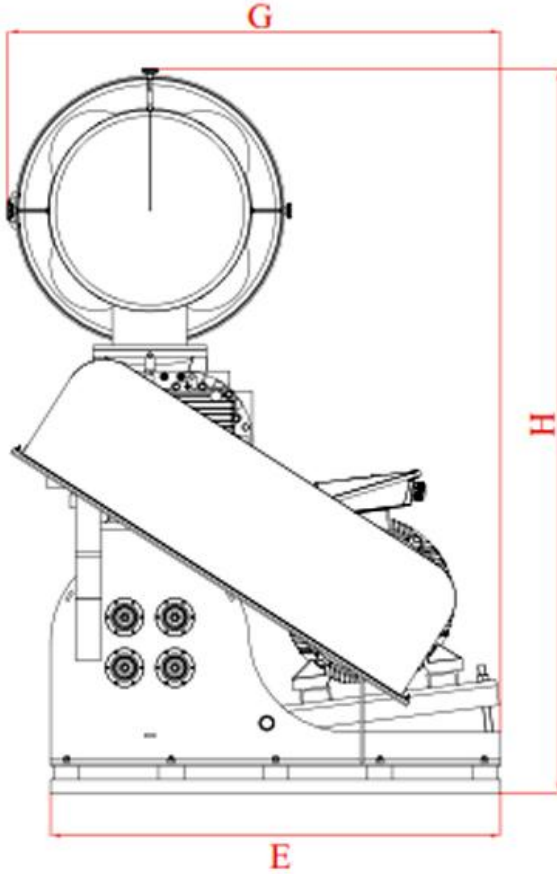


DIN 2576 (PN 10)



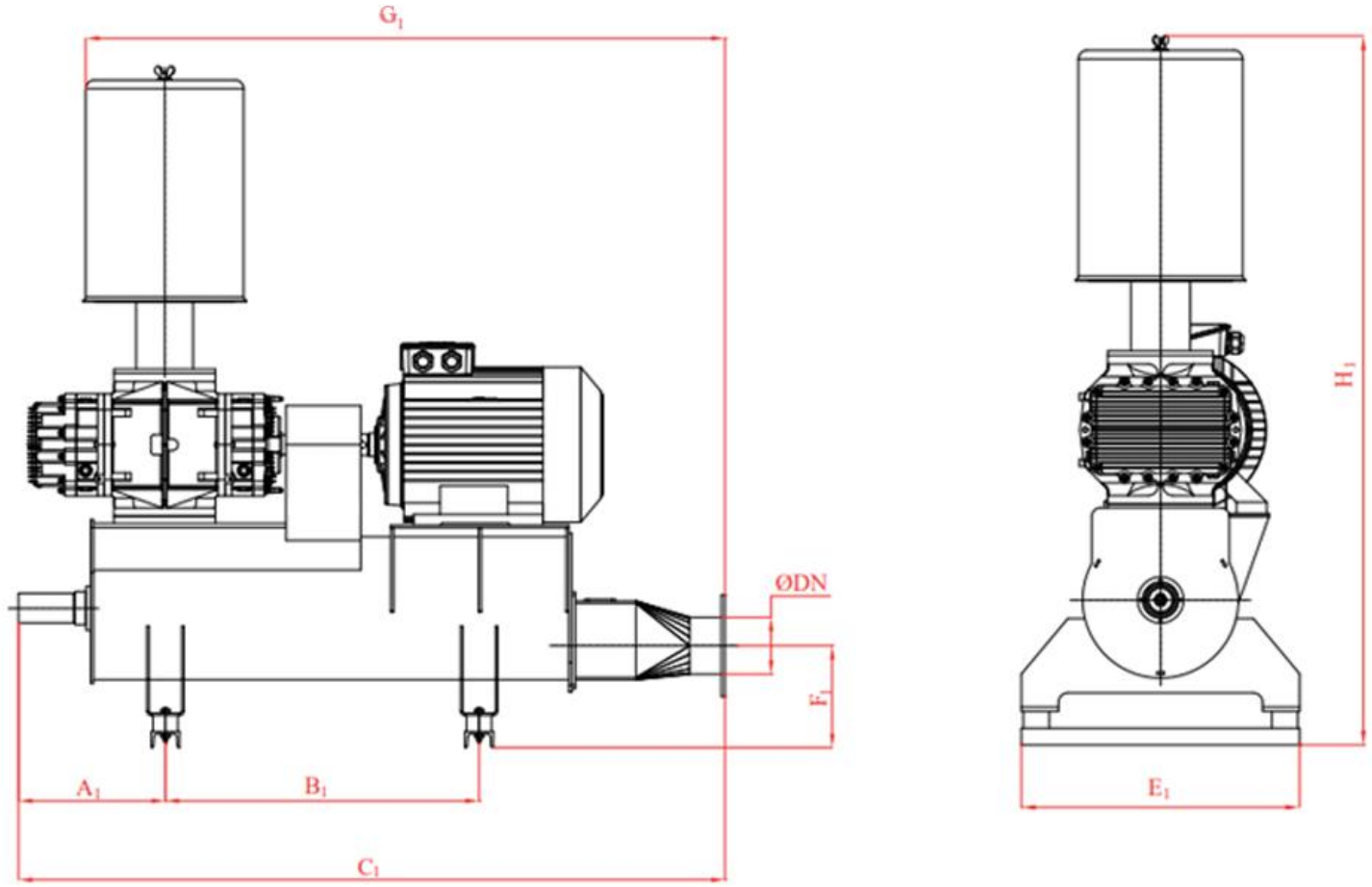
Type	ØDN	ØK	L	M	N	P	R	S	T	U	ØV	ØY	ØZ	Hole Qty	Weight
PB3161	300	446	1365	706,5	352,5	621	832	523,5	744	158	90	400	22	12	1430 Kg

PB3161 Belt Driven Dimensions



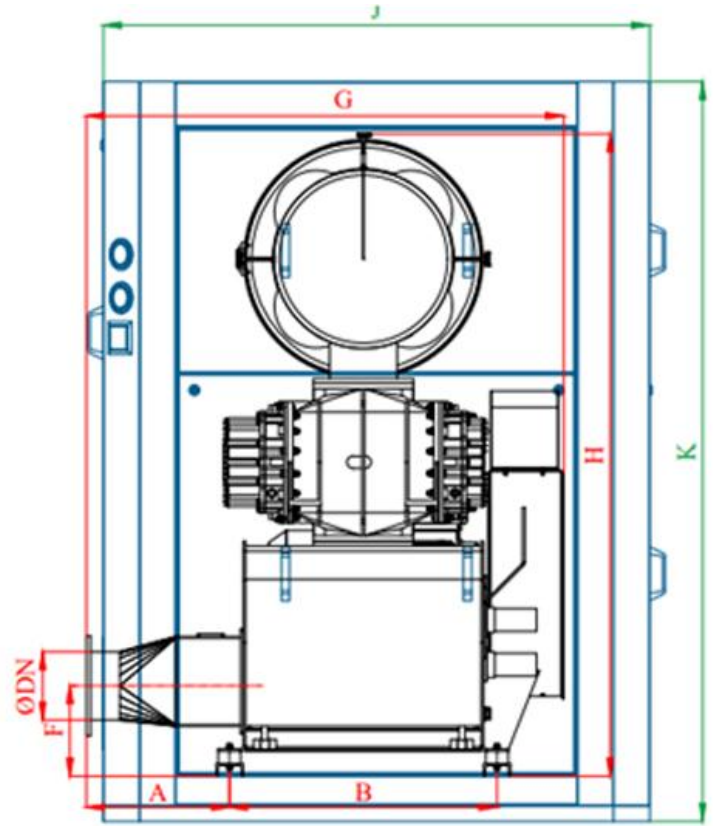
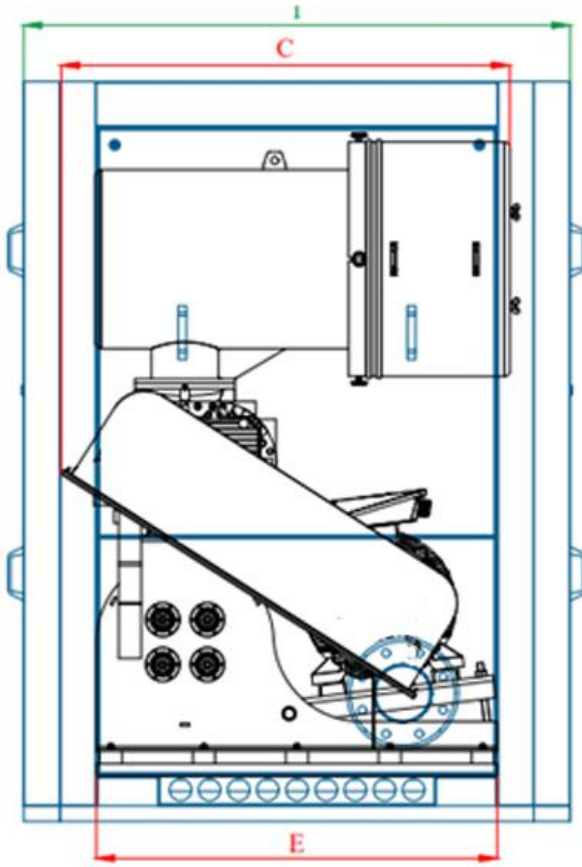
Type	A	B	C	ØDN	E	F	G	H	Weight
PB3161	640	1194	2350	300	1790	404	1935	2105	2838 Kg

PB3161 Direct Driven Dimensions



Type	A ₁	B ₁	C ₁	ØDN	E ₁	F ₁	G ₁	H ₁	I	J	Weight
PB3161	460	1800	3185	300	1100	465	3023	2960	135	814	2838 Kg

PB3161 Acoustic Cabin Dimensions



Type	A	B	C	ØDN	E	F	G	H	I x J x K	Weight
PB3161	640	1194	2350	300	1790	404	1935	2105	2400x2400x2900	4060 Kg