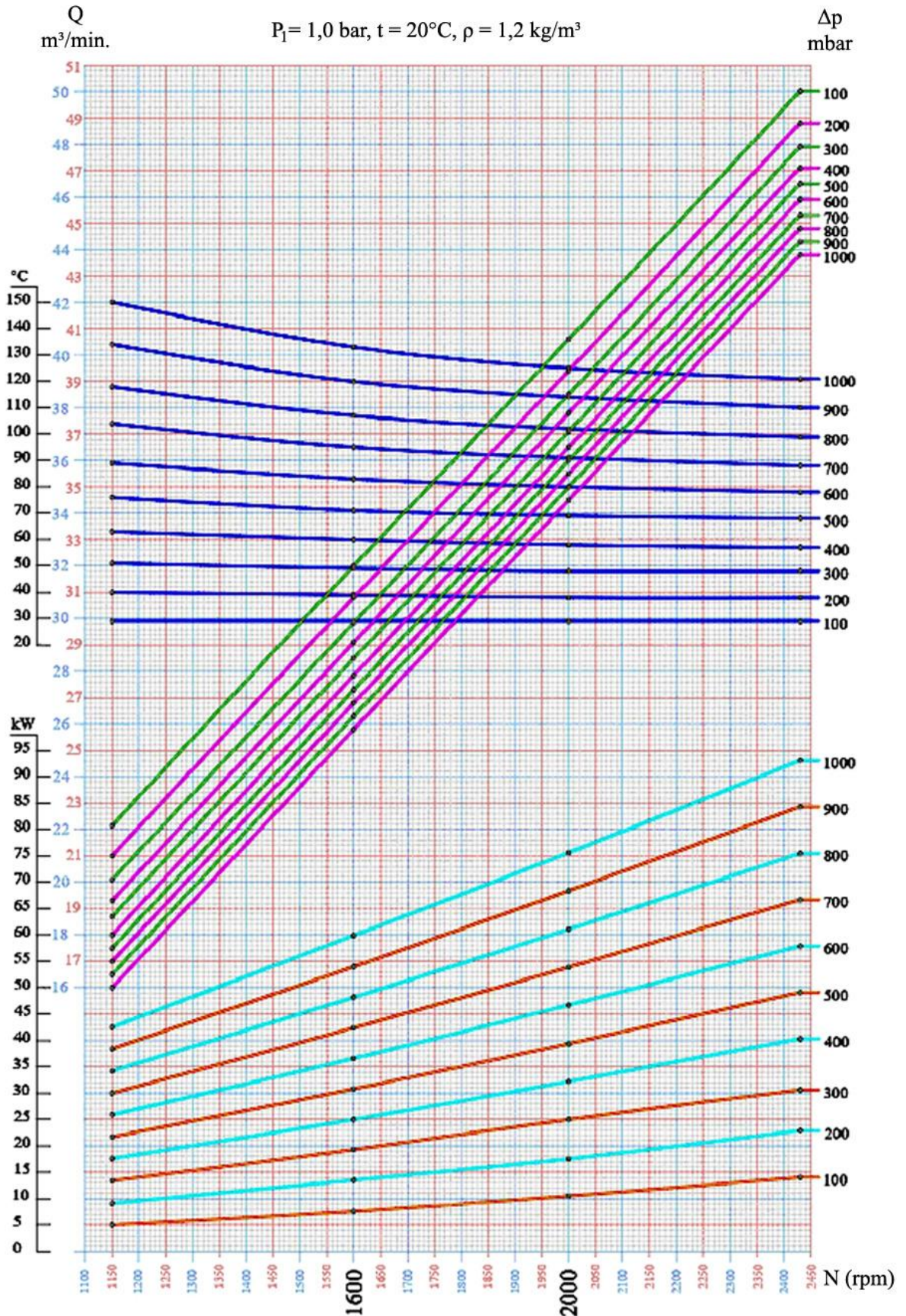


PB3149 Tri-Lobe Roots Blower

Flow, Pressure and Power Diagram

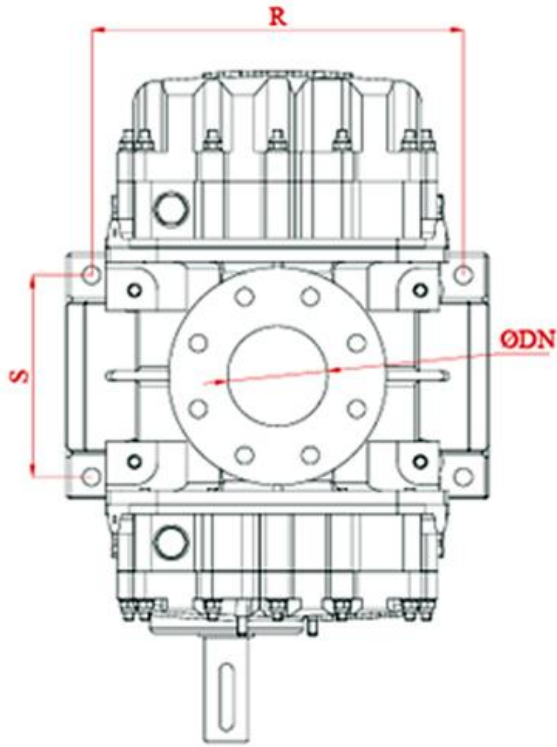
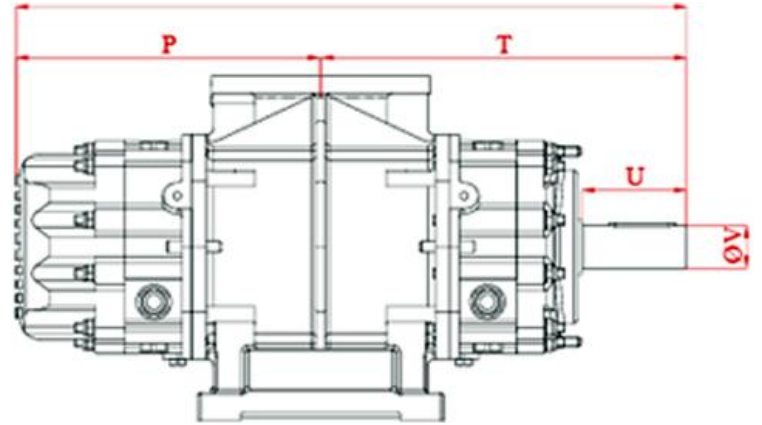
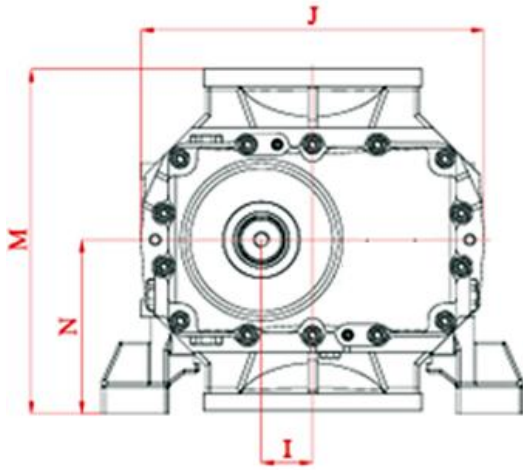


PB3149 Tri-Lobe Blower Pressure and Volume Values

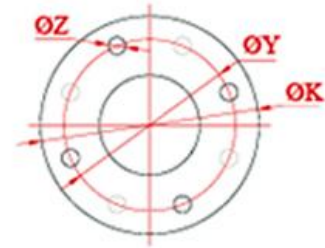
$$P_1 = 1,0 \text{ bar, } t = 20^\circ\text{C, } \rho = 1,2 \text{ kg/m}^3$$

1150 rpm.				1600 rpm.				2000 rpm.				2430 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	22,15	5,06	29,00	100	31,92	7,67	29,00	100	40,60	10,50	29,00	100	49,94	14,00	29,00
200	20,98	9,22	40,00	200	30,75	13,50	39,00	200	39,44	17,70	38,00	200	48,77	22,80	38,00
300	20,09	13,40	51,00	300	29,86	19,30	49,00	300	38,54	25,00	48,00	300	47,89	31,60	48,00
400	19,33	17,60	63,00	400	29,10	25,00	60,00	400	37,79	32,20	58,00	400	47,12	40,30	57,00
500	18,67	21,70	76,00	500	28,44	30,80	71,00	500	37,12	39,40	69,00	500	46,46	49,10	68,00
600	18,07	25,90	89,00	600	27,84	36,60	83,00	600	36,52	46,70	80,00	600	45,86	57,90	78,00
700	17,52	30,00	104,00	700	27,29	42,40	95,00	700	35,97	53,90	91,00	700	45,30	66,70	88,00
800	17,00	34,20	118,00	800	26,77	48,20	107,00	800	35,46	61,10	102,00	800	44,79	75,50	99,00
900	16,52	38,40	134,00	900	26,29	54,00	120,00	900	34,97	68,40	114,00	900	44,31	84,30	110,00
				1000	25,83	59,80	133,00	1000	34,52	75,60	125,00	1000	43,85	93,10	121,00

PB3149 Bare Shaft Dimensions

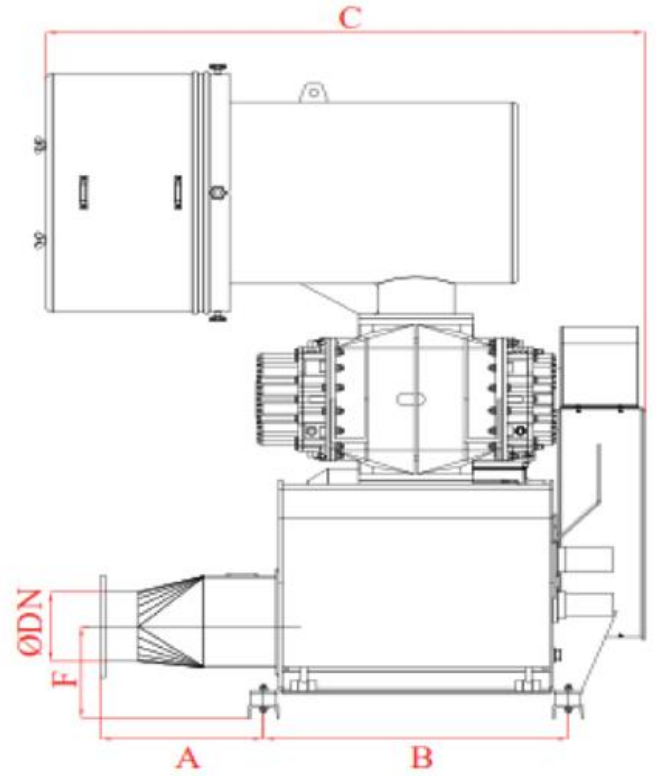
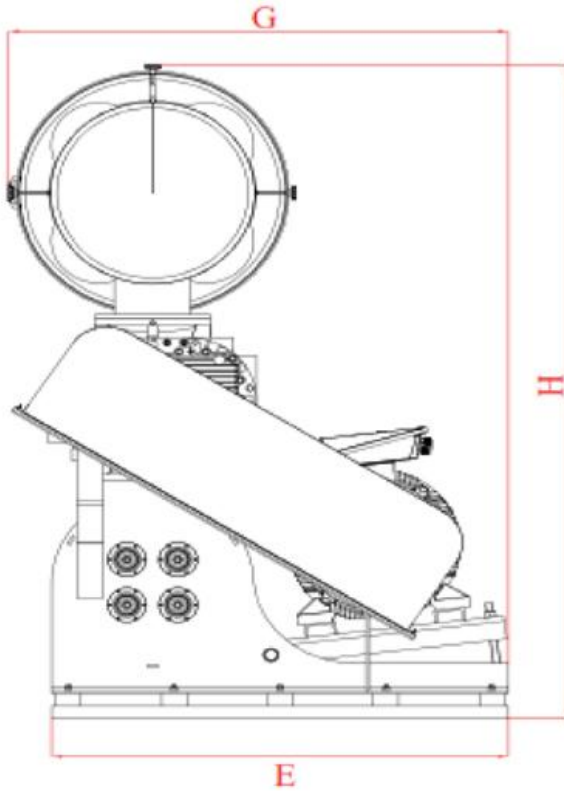


DIN 2576 (PN 10)



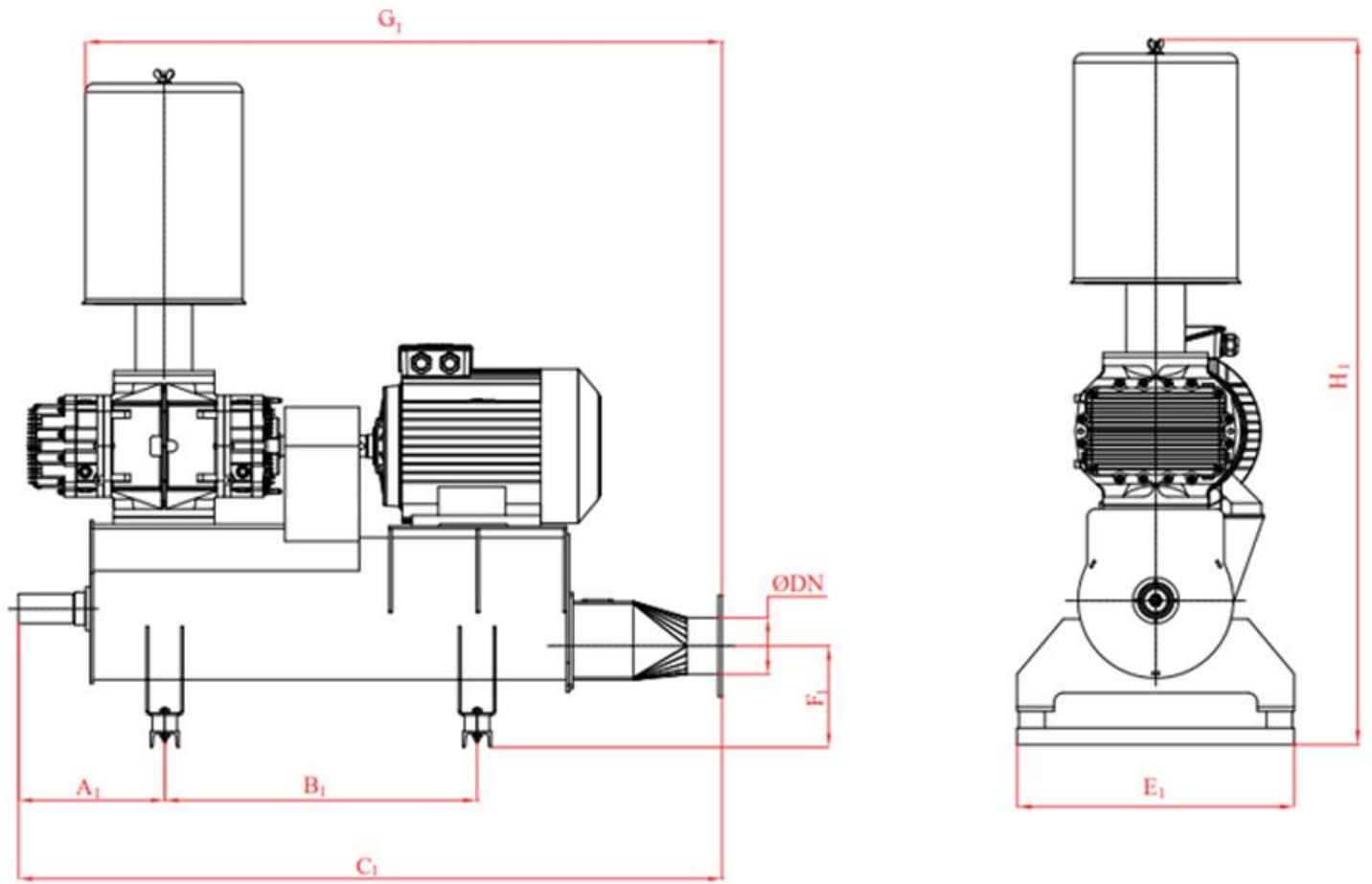
Type	ØDN	ØK	L	M	N	P	R	S	T	U	ØV	ØY	ØZ	Hole Qty	Weight
PB3149	200	340	1000	501	251	470	617	290	530	126	60	295	22	8	506 Kg

PB3149 Belt Driven Dimensions



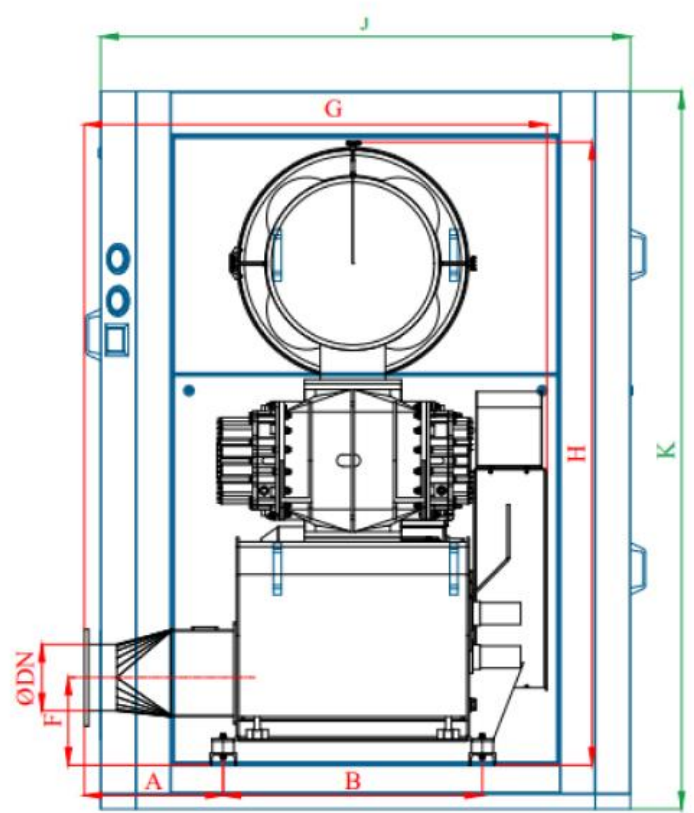
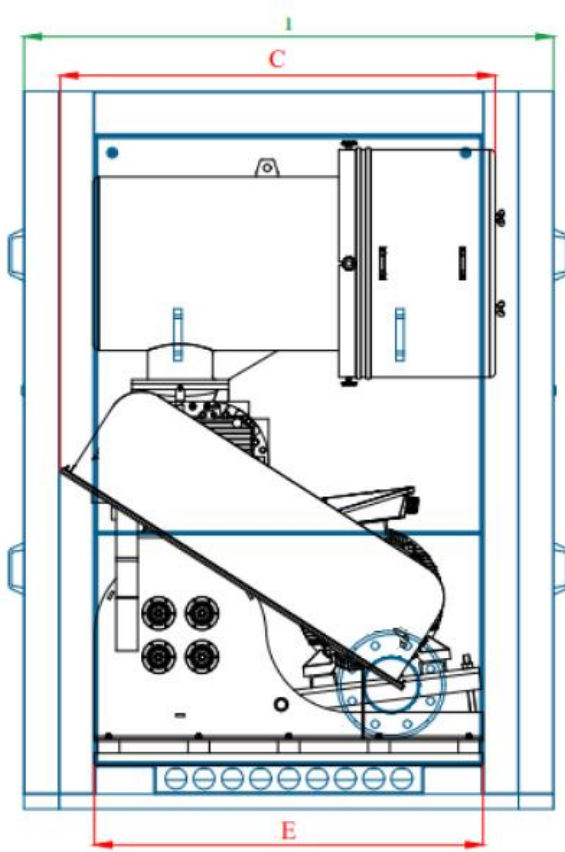
Type	A	B	C	ØDN	E	F	G	H	Weight
PB3149	410	1000	2050	200	1400	310	1520	1850	1130 Kg

PB3149 Direct Driven Dimensions



Type	A ₁	B ₁	C ₁	ØDN	E ₁	F ₁	G ₁	H ₁	I	J	Weight
PB3149	496	1037	2014	200	800	320	2020	1900	84	541	1290 Kg

PB3149 Acoustic Cabin Dimensions



Type	A	B	C	ØDN	E	F	G	H	I x J x K	Weight
PB3149	410	1000	2050	200	1400	310	1520	1790	2000x2000x2185	1780 Kg