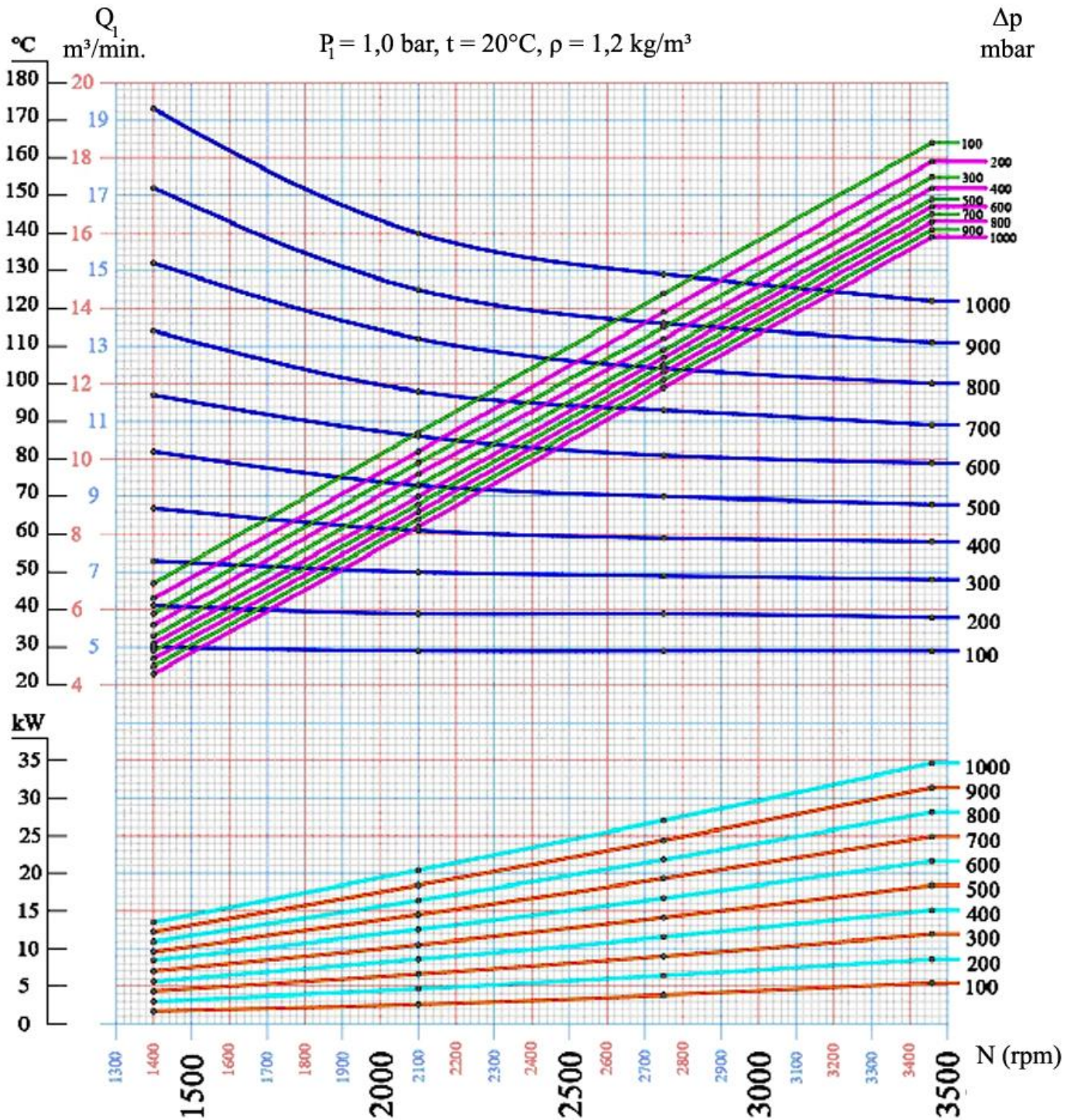


PB3125 Tri-Lobe Roots Blower

Flow, Pressure and Power Diagram

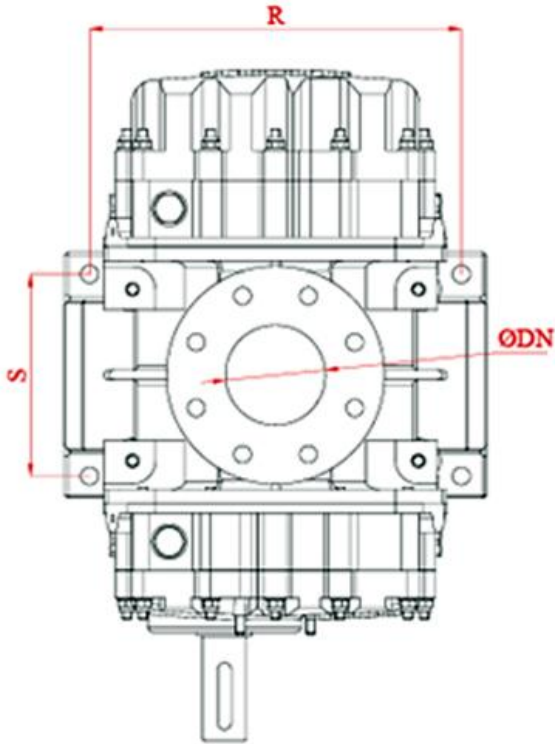
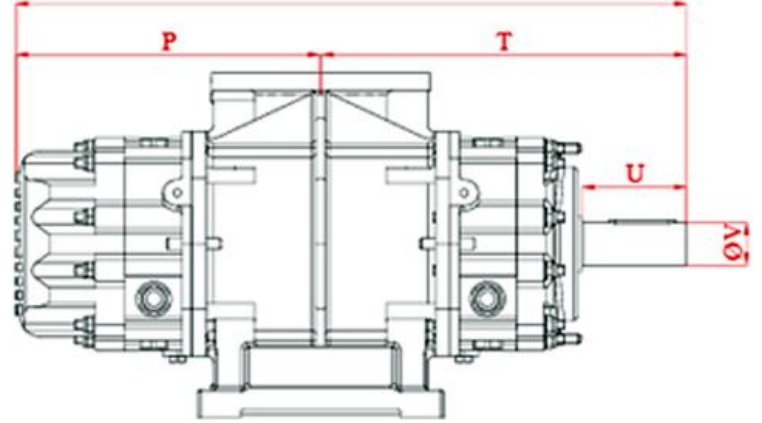
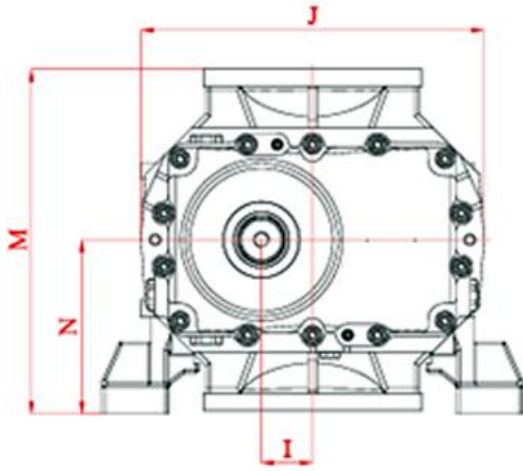


PB3125 Tri-Lobe Blower Pressure and Volume Values

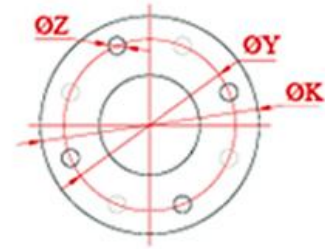
$$P_1 = 1,0 \text{ bar}, t = 20^\circ\text{C}, \rho = 1,2 \text{ kg/m}^3$$

1400 rpm.				2100 rpm.				2750 rpm.				3460 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	6,76	1,70	30	100	10,70	2,62	29	100	14,36	3,77	29	100	18,35	5,38	29
200	6,29	3,02	41	200	10,23	4,59	39	200	13,89	6,35	39	200	17,89	8,62	38
300	5,93	4,33	53	300	9,87	6,56	50	300	13,53	8,93	49	300	17,53	11,90	48
400	5,63	5,64	67	400	9,57	8,53	61	400	13,23	11,50	59	400	17,23	15,10	58
500	5,36	6,96	82	500	9,30	10,50	73	500	12,96	14,10	70	500	16,96	18,40	68
600	5,12	8,27	97	600	9,06	12,50	86	600	12,72	16,70	81	600	16,72	21,60	79
700	4,90	9,58	114	700	8,84	14,50	98	700	12,50	19,30	93	700	16,50	24,90	89
800	4,70	10,90	132	800	8,64	16,40	112	800	12,30	21,80	104	800	16,29	28,10	100
				900	8,44	18,40	125	900	12,10	24,40	116	900	16,10	31,40	111
								1000	11,92	27,00	129	1000	15,92	34,60	122

PB3125 Bare Shaft Dimensions

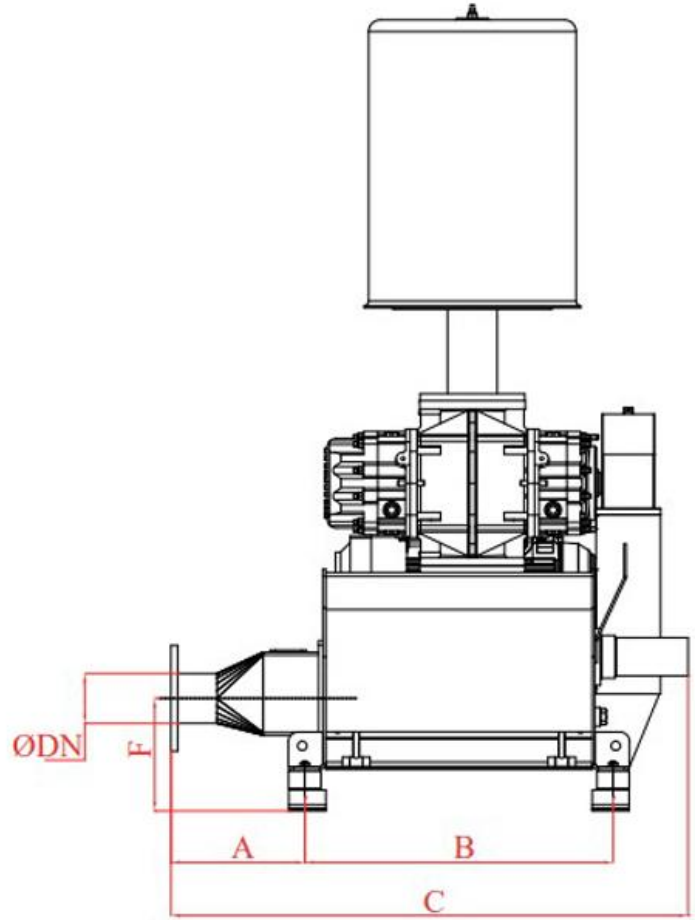
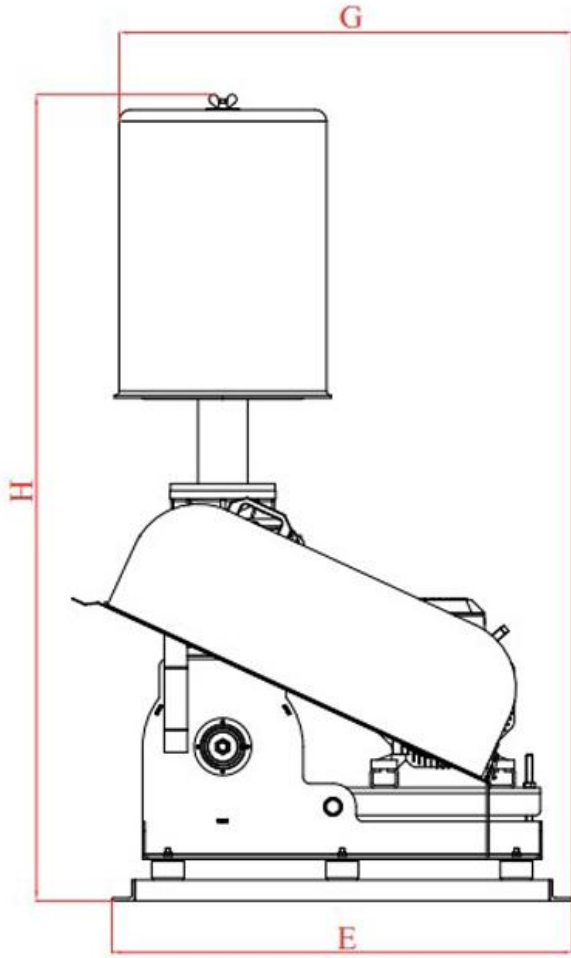


DIN 2576 (PN 10)



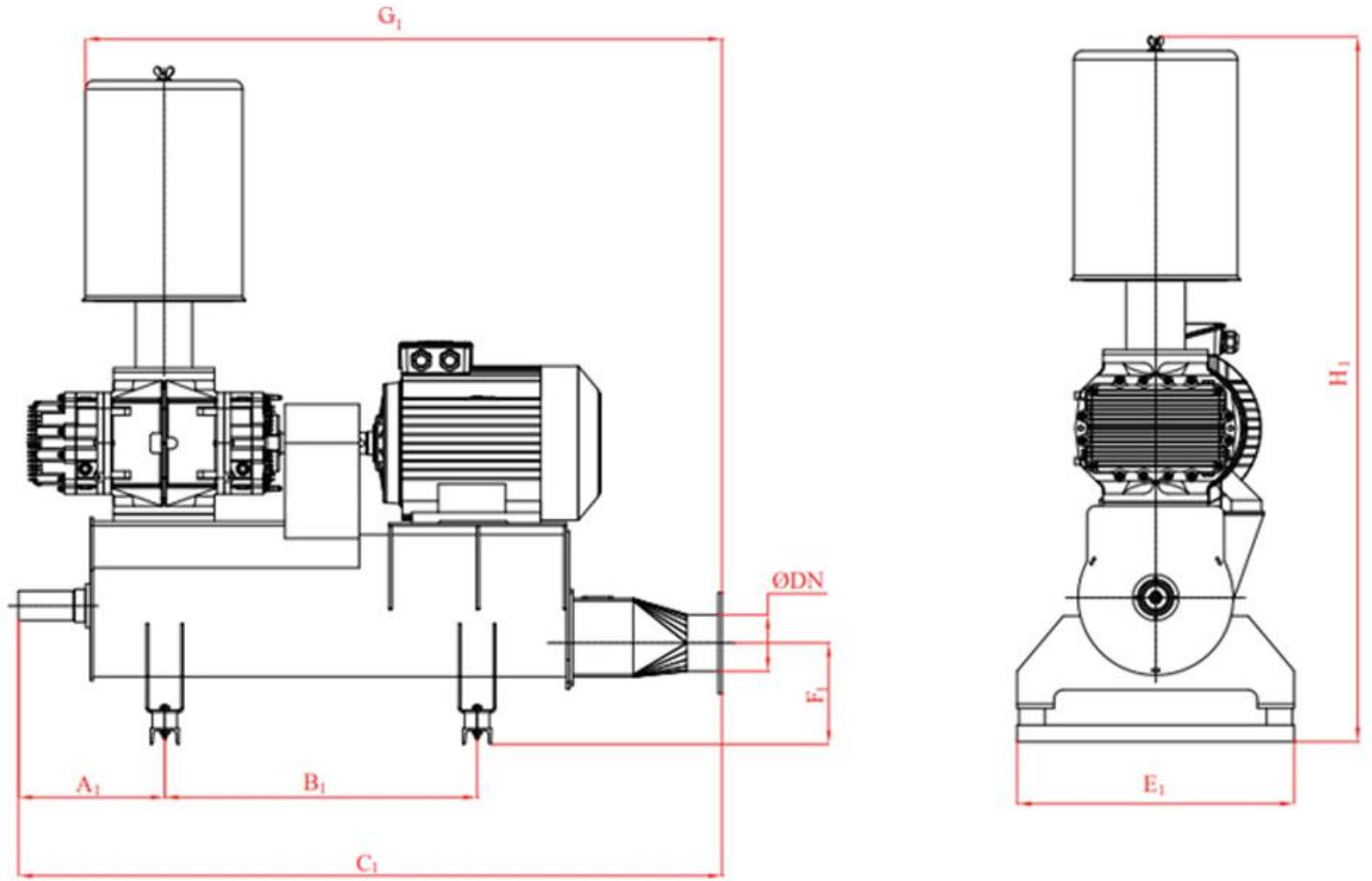
Type	ØDN	ØK	L	M	N	P	R	S	T	U	ØV	ØY	ØZ	Hole Qty	Weight
PB3125	100	229	704	362	183	320	390	212	384	110	45	180	18	8	180 Kg

PB3125 Belt Driven Dimensions



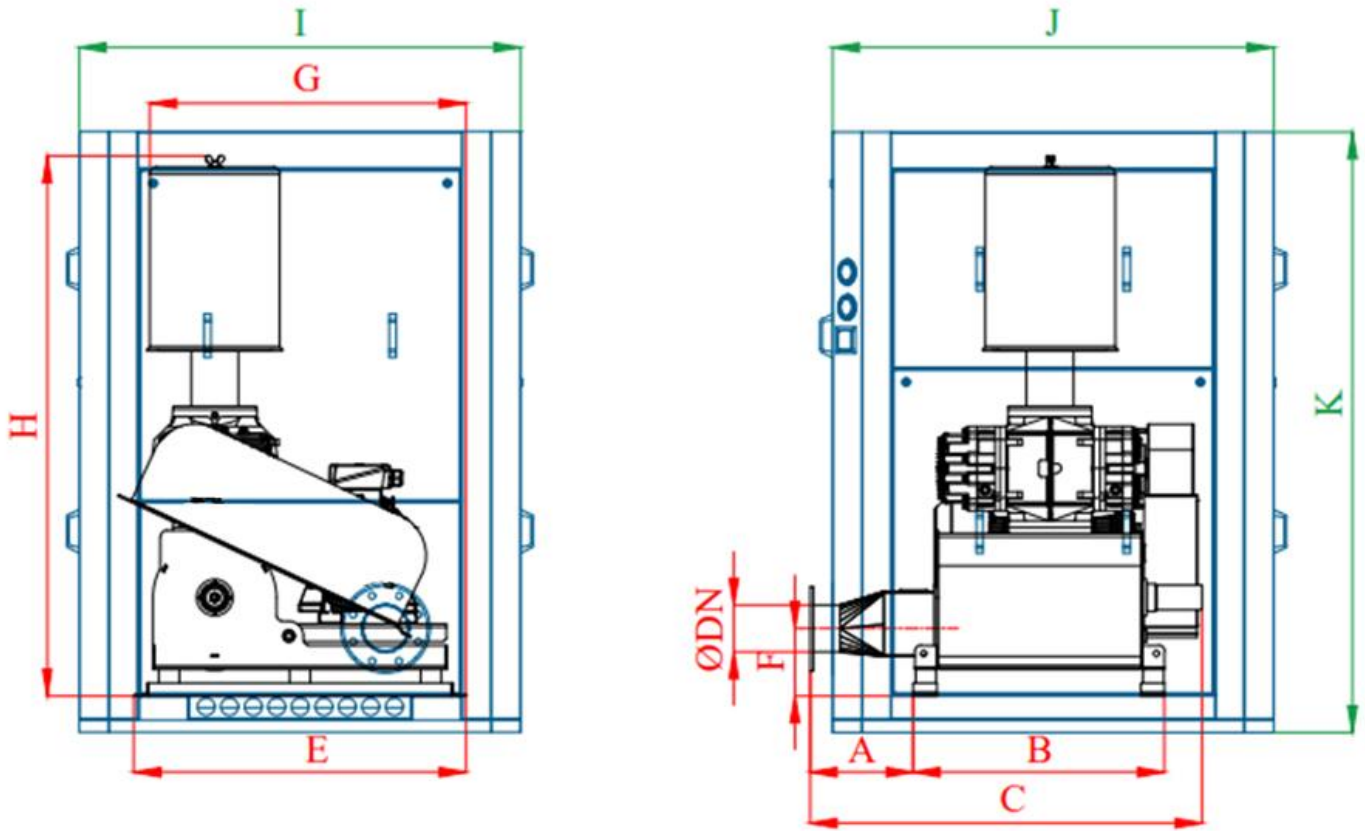
Type	A	B	C	ØDN	E	F	G	H	Weight
PB3125	290	669	1122	100	900	244	934	1715	380 Kg

PB3125 Direct Driven Dimensions



Type	A ₁	B ₁	C ₁	ØDN	E ₁	F ₁	G ₁	H ₁	I	J	Weight
PB3125	410	784	1732	100	540	250	1549	1760	53,5	360	380 Kg

PB3125 Acoustic Cabin Dimensions



Type	A	B	C	ØDN	E	F	G	H	I x J x K	Weight
PB3125	290	669	1122	100	900	244	934	1715	1300x1300x1844	730 Kg