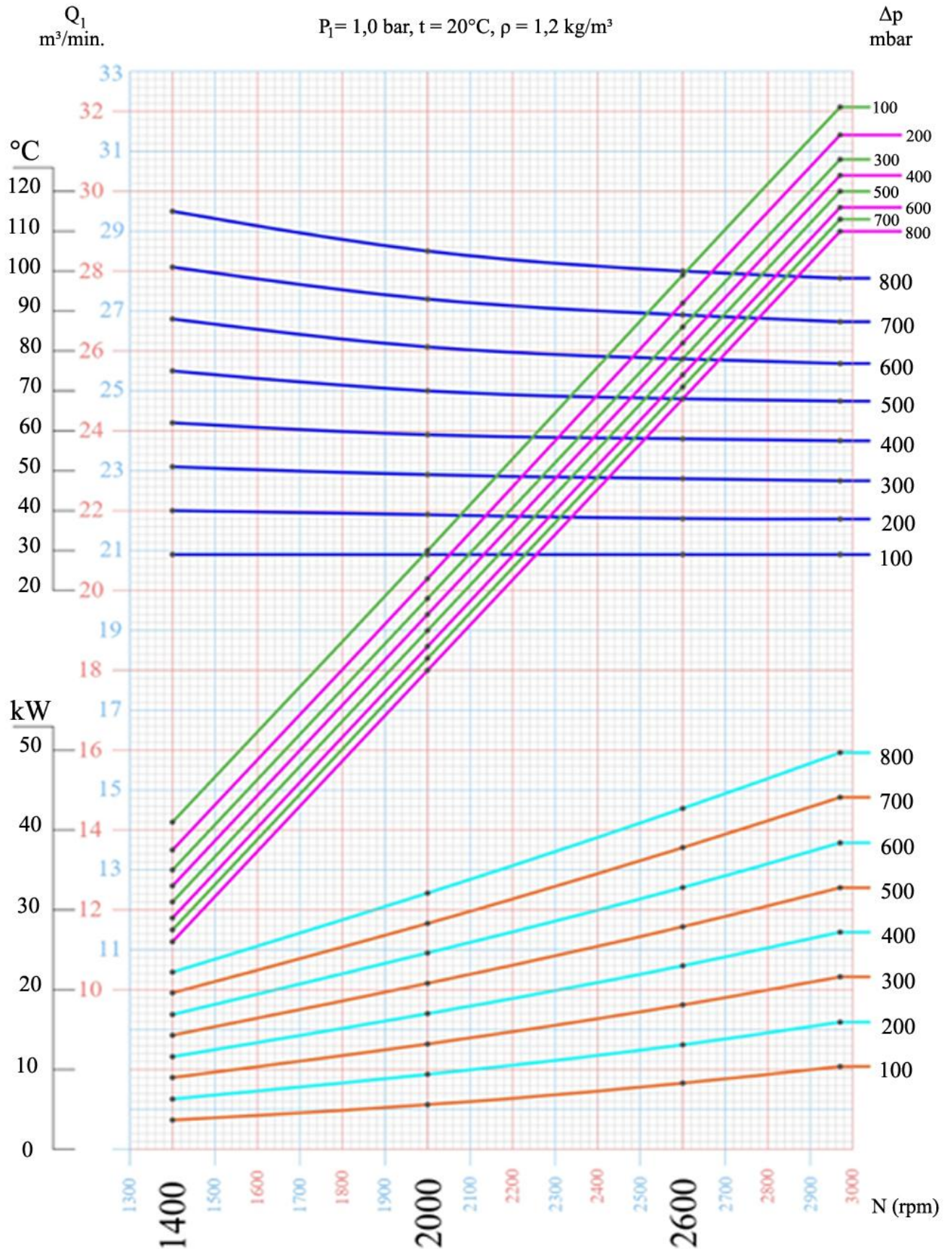


PB3137 Tri-Lobe Roots Blower

Flow, Pressure and Power Diagram

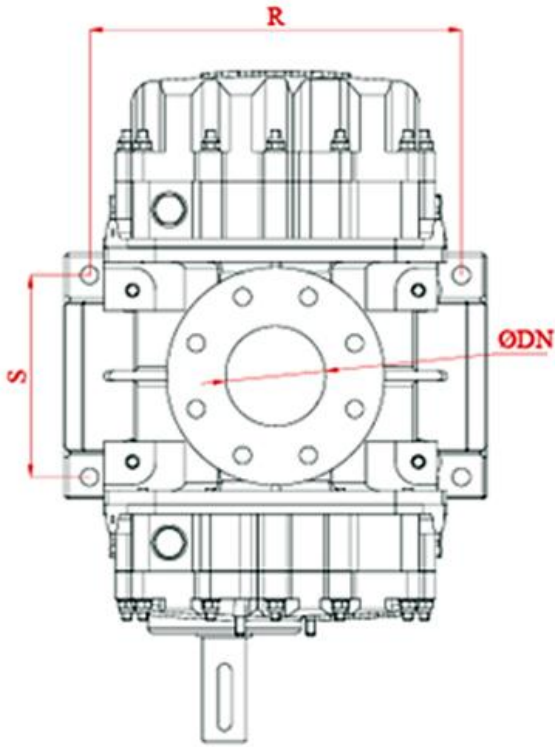
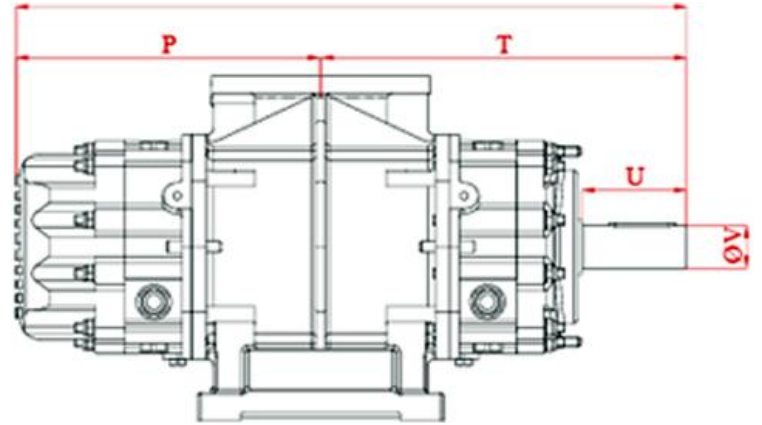
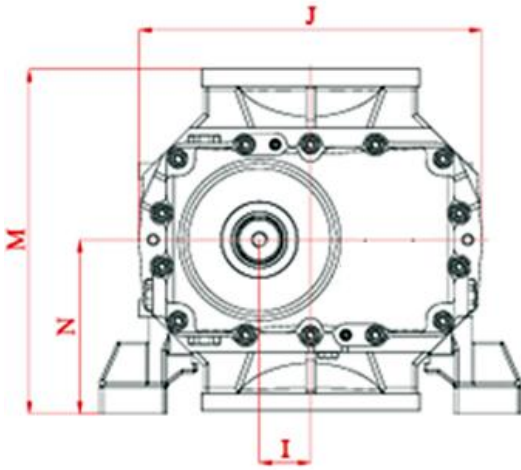


PB3137 Tri-Lobe Blower Pressure and Volume Values

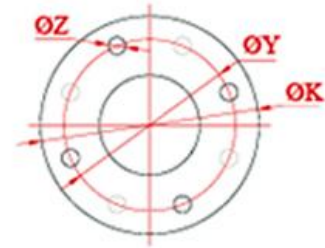
$$P_1 = 1,0 \text{ bar}, t = 20^\circ\text{C}, \rho = 1,2 \text{ kg/m}^3$$

1400 rpm.				2000 rpm.				2600 rpm.				3270 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	14,24	3,65	29,00	100	21,05	5,62	29,00	100	27,87	8,22	29,00	100	35,48	12,20	29,00
200	13,54	6,31	40,00	200	20,36	9,41	39,00	200	27,18	13,10	38,00	200	34,79	18,40	38,00
300	13,01	8,96	51,00	300	19,83	13,20	49,00	300	26,65	18,10	48,00	300	34,26	24,60	47,00
400	12,57	11,60	62,00	400	19,38	17,00	59,00	400	26,20	23,00	58,00	400	33,81	30,80	57,00
500	12,17	14,30	75,00	500	18,99	20,80	70,00	500	25,80	27,90	68,00	500	33,42	36,90	67,00
600	11,82	16,90	88,00	600	18,63	24,60	81,00	600	25,45	32,80	78,00	600	33,06	43,10	76,00
700	11,49	19,60	101,00	700	18,30	28,30	93,00	700	25,12	37,80	89,00	700	32,73	49,30	86,00
800	11,18	22,20	115,00	800	18,00	32,10	105,00	800	24,82	42,70	100,00	800	32,43	55,50	97,00
900	10,90	24,90	130,00	900	17,71	35,90	117,00	900	24,53	47,60	111,00	900	32,14	61,70	107,00
				1000	17,44	39,70	129,00	1000	24,26	52,50	122,00	1000	31,87	67,90	118,00

PB3137 Bare Shaft Dimensions

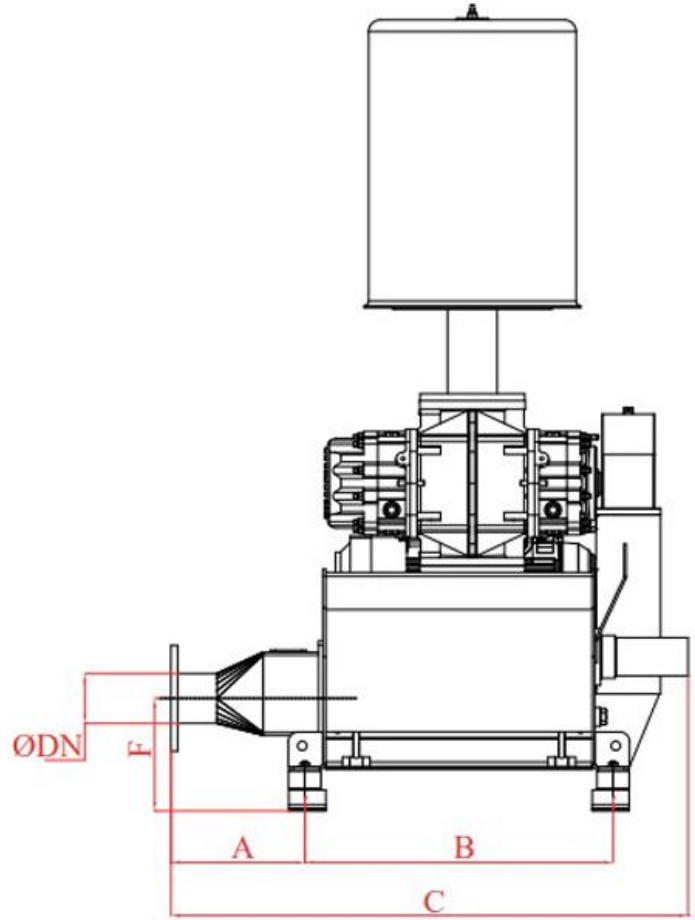
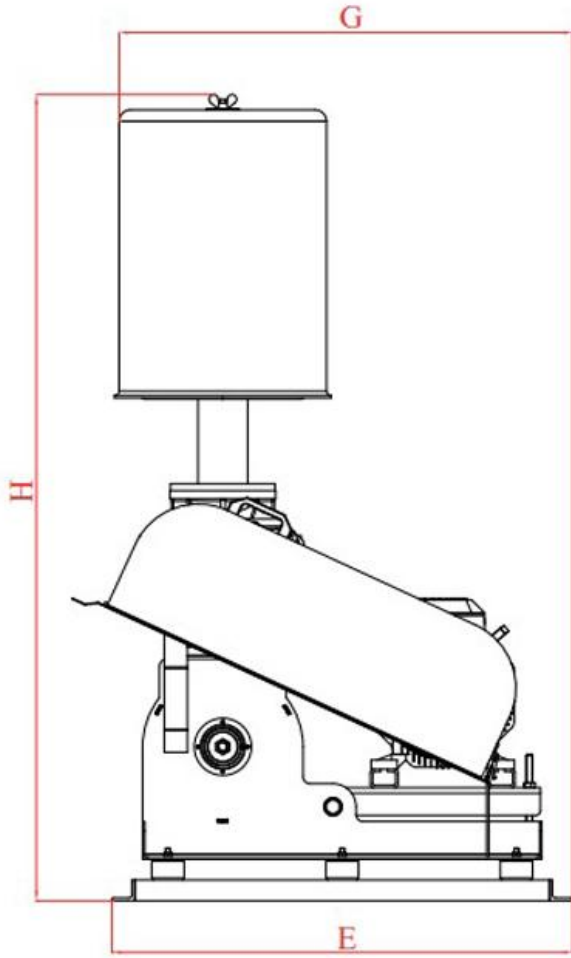


DIN 2576 (PN 10)



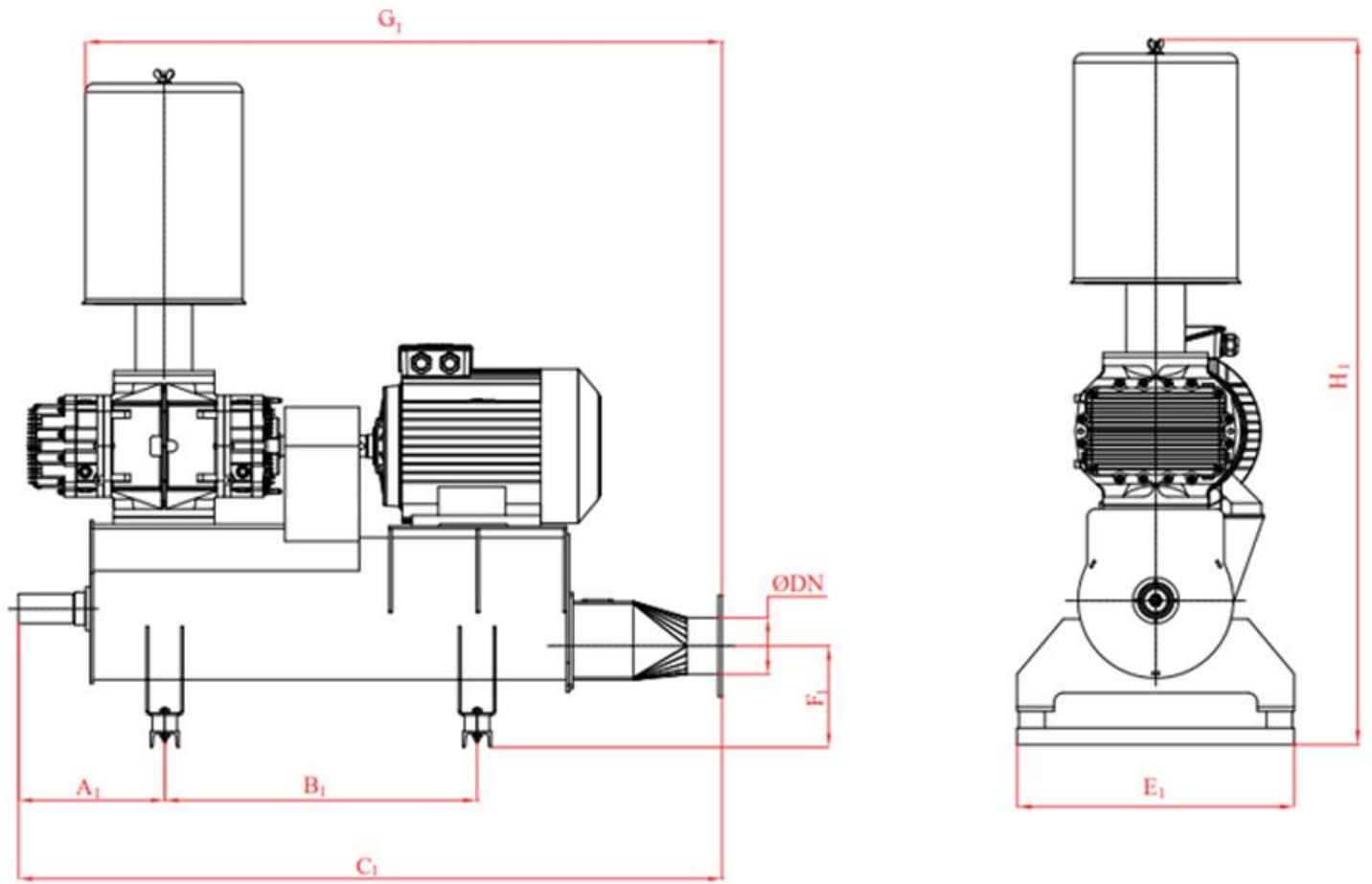
Type	ØDN	ØK	L	M	N	P	R	S	T	U	ØV	ØY	ØZ	Hole Qty	Weight
PB3137	150	285	805	402	202	378	496,5	270	425	97	55	240	22	8	310 Kg

PB3137 Belt Driven Dimensions



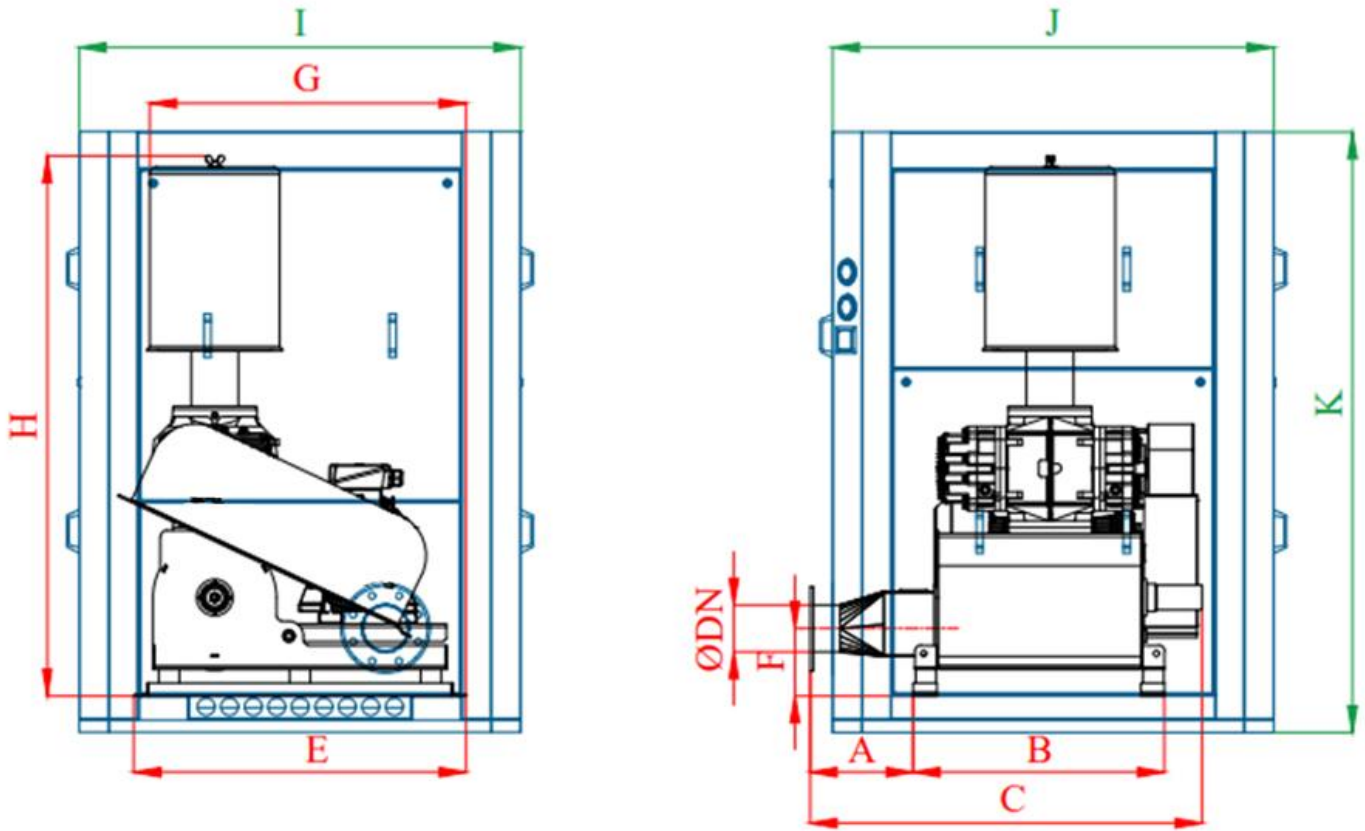
Type	A	B	C	ØDN	E	F	G	H	Weight
PB3137	393	774	1332	150	1030	230	1026	1790	555 Kg

PB3137 Direct Driven Dimensions



Type	A ₁	B ₁	C ₁	ØDN	E ₁	F ₁	G ₁	H ₁	I	J	Weight
PB3137	412	880	1982	150	750	285	1793	1870	67,5	435	555 Kg

PB3137 Acoustic Cabin Dimensions



Type	A	B	C	ØDN	E	F	G	H	I x J x K	Weight
PB3137	412	880	1982	150	750	285	1793	1870	1500x1500x2034	915 Kg