



TOHIN

**iBK Series Three Lobes
ROOTS BLOWER**



TOHIN VIETNAM INDUSTRY

ABOUT TOHIN GROUP

ISO 9001 Certified



JQA – QM9166

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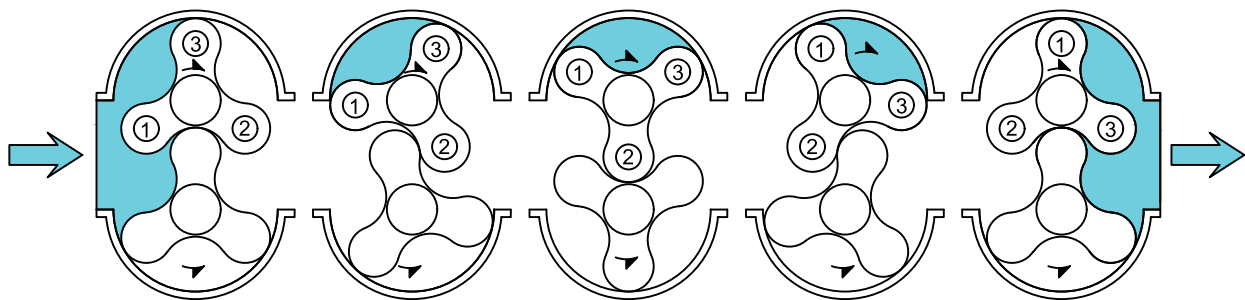
TOHIN

- Management idea : Eco-friendly, quality fist
- Enterprise idea : Attentively, Sincerity, Confidence

Roots Blower

Blower Operating Principle :

The blower is of displacement type, and sends a fixed amount of air in proportion to its rotation speed. With the three-lobed rotors, the two rotors make three intake and exhaust cycles per revolution. Because the air has less pulse compared with the two-lobed type, fluctuations in load, noise and vibration are small. While the two three-lobed rotors mounted on two parallel shafts maintain only a very small clearance between themselves and the inner surfaces of the oval casing operation chamber and between each other, they are driven by timing gears, moving a fixed volume of the air enclosed by the casing and rotors from the intake side to the output side. The blower is free of Internal lubrication. And its simple design, easy handling, and stable performance make a wide range of applications possible.



Features of 3-lobe Roots Blower :

- The three-lobe design and reasonable inlet and outlet structure offers a lower noise and small vibration.
- The rotor and shaft have been combined as a single unit with no wear, the performance of the blower is stable, permitting long-term continuous operation.
- Large useful cubage, high volume efficiency speed, compact structure and variable installation.
- The bearings of reasonable type with average durability prolong blower's life.
- The oil seals made of imported fluorubber offers excellent heat-resistance, wear-resistance and long using life.
- The blowers are of various types possible for different applications.

To Select Blowers of You Need :

(To select a proper blower of certain application, please take the following points into consideration)

Usage	Blowing use or vacuum use
Gas Handled	Gas variety, status, temperature
	With or without corrosiveness and explosiveness
	State the proportion of gas formation and the molecular weight if handle mixed gas
Pressure	Unit: kgf/cm ² , mmH ₂ O, mmHg, Pa, etc.
	Difference between gauge pressure and absolute pressure
	With or without back pressure
Air Capacity	Unit: m ³ /min
	Differences among Reference Condition (N : 0°C, 1 standard atmosphere pressure), Standard Condition (S : 20°C, 1 standard atmosphere pressure), and inlet condition
Location	Outdoor or indoor
	Surrounding temperature, with or without dangerous
Motor	Model No, output, poles
Driving Type	Coupling or v-belt
Others	Temperature of cooling water
	Operating time
	Whether in need of accessories or spare parts
	Painting colour



iBK Generation 3 Efficient roots blower

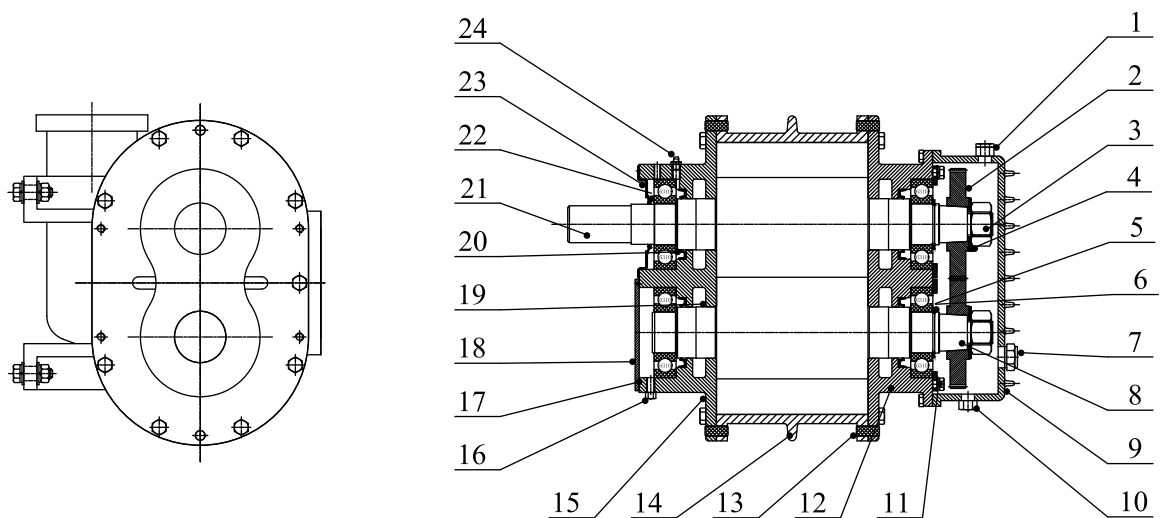


iBK three lobe roots blower is a newly designed product by adoption of the technology from Tohin Group, which can meet the national standards, which is of higher efficiency, low temperature rise and low noise.

iBK Type Roots Blower Main Advantage

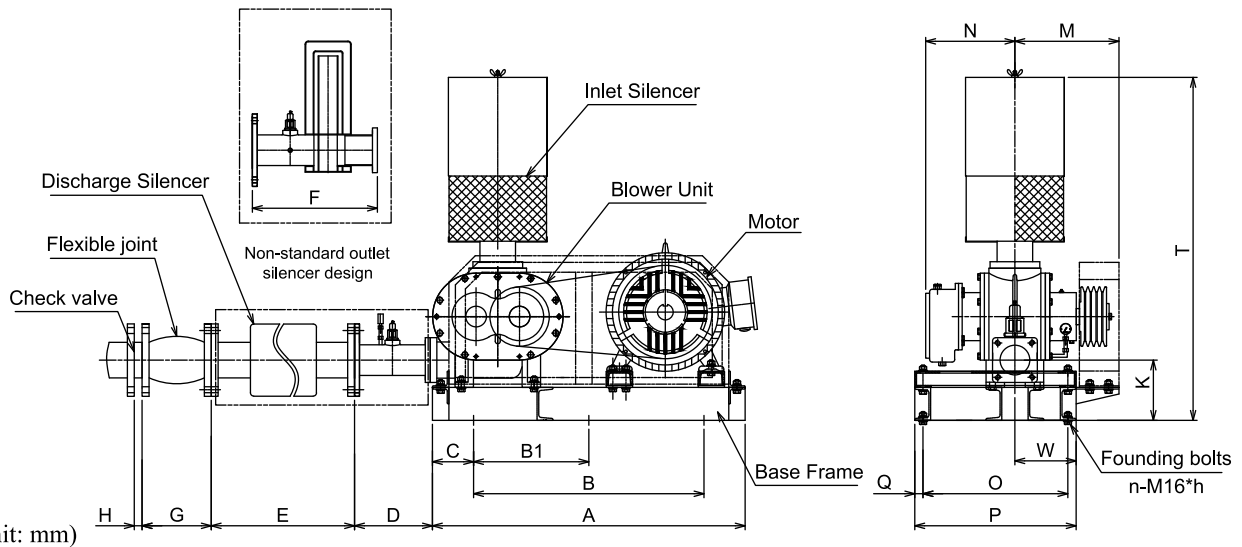
- Optimized lobe curve is adopted for reducing blower's internal leakage, improving blower's efficiency and reducing running temperature.
- After radius - center distance ratio narrowed and shaft's diameter enlarged, no deformation and collision will occur under higher load pressure as the blower's strength is improved.
- Unique hollow design of end-cover is used for making bearing cavity separated from gas chamber relatively, by which reduces the impact of inside high temperature gas on bearing cavity and lowers the bearing temperature.
- Deep groove ball bearing of high precision and low friction factor is selected for lowering operation noise. In addition, because of large size bearing matched for enlarged shaft diameter, the bearing's load capacity is enhanced and its service life is extended.
- A structure of 90 degree upper inlet and side outlet is adopted for convenient installation and maintenance. Different silencers are available for customer's needs of saving floor space.

Internal Structure Sketch



No.	Name	No.	Name	No.	Name
1	Breather	9	Gear Oil Tank	17	O-rings
2	Timing Gears	10	Plug (with magnetism)	18	Dust cover
3	Hex Nuts	11	Bearing Container	19	Gas seal
4	Belleville Springs	12	Gear Endplate	20	Oil seal
5	Bearing Circlips	13	Dowel	21	Drive Impeller
6	Shim	14	Housing	22	Ball Bearing
7	Oil Pointer	15	Drive Endplate	23	Dust Proofseal
8	Driven Impeller	16	Relief Valve	24	Grease Nipple

Outline Dimension Sheet Of iBK Type Blower



(Unit: mm)

Type	Port Dia	Motor Power (Kw)	A	B	B1	C	D	E	F	G	H	K	M	N	O	P	W	Q	T	n-M16*h	Weight (Kg)				
iBK40	1.5"	1.5~2.2	690	500	0	95	161	615	340	95	18	159	216	204	250	300	96	25	690	4-M16x300	60				
		3	700			100								224	270	320									
		4	730			110																			
iBK50	2"	1.5~2.2	690	500	0	95	102	715	340	105	18	160	236	195	250	300	116	25	729	4-M16x300	85				
		3	700			100								204	270	320									
		4	730			115								264	330	380									
		5.5	770			135																			
iBK65	2.5"	3~4	760	500	0	130	118	815	428	115	18	165	242	231	300	350	143	25	851	4-M16x300	161				
		5.5~7.5	790	550		120								238	330	380									
		11	840	600		120								288	380	430									
iBK80	3"	3~4	770	500	0	135	175	900	458	135	18	175	275	266	300	350	175	25	906	4-M16x300	188				
		5.5~7.5	800	600		150								284.5	410	460				6-M16x300					
		11~15	850	300		125																			
iBK100S	4"	5.5~7.5	900	500	0	200	188	900	510	150	18	209	398	348.5	466	516	268	25	999	4-M16x300	245				
		11~15																							
		18.5																							
iBK100	4"	11~15	920	720	360	100	237	900	510	150	18	183	316	274	410	460	186	25	1042	6-M16x300	251				
		18.5~22	950	700	350	125								304	440	490									
		30	1030	800	400	115								394	530	580									
iBK125	5"	11~15	920	720	360	100	270	1000	570	165	18	206	361	316	410	460	231	25	1067	6-M16x400	298				
		18.5~22	950	700	350	125								440	490										
		30~37	1030	800	400	115								349	530	580									
iBK150S	6"	15~22	1000	500	0	250	307	1000	630	180	24	256	478	428.5	596	646	295	25	1134	4-M16x400	483				
		30	1100			300	312															508			
		37~45																							
iBK150	6"	18.5~22	1040	800	400	120	317	1000	630	180	24	232	430	391	505	555	301	25	1147	6-M16x400	530				
		30	1070			135	382								258	436	620	676	305			28	1173		
		37~45	1130			165	312																		
		55	1180			140																			
iBK200S	8"	18.5~22	1120	500	0	310	417	1000	750	190	24	292	563	498.5	766	816	340	25	1247	4-M16x400	675				
		30	1170			335																355	385		
		37~45	1210																						
		55	1270																						
iBK200	8"	22~30	1140	900	450	120	360	1000	750	190	24	288	503	471	640	696	363	28	1257	6-M16x400	708				
		37~45	1200	100	125	150									740	796									
		55	1250																						
		75~90	1300																						
iBK250	10"	37~45	1350	1000	500	175	367	1200	860	230	38	328	533	493	740	796	373	28	1463	6-M16x400	1050				
		55	1400			200									245	250						553	723	1040	1096
		75~90	1450																						
		110~132	1500																						
iBK300	12"	37~45	1600	1000	500	300	415	1200	980	245	38	398	595	565	920	980	415	30	1630	6-M16x400	1650				
		55	1620			310									340	375									
		75~90	1680																						
		110~200	1750																						

- Standard accessory include: Inlet and outlet silencer, pressure gage, base-frame, blower's pulley, motor's pulley, belt, belt guard, relief valve, check valve.
- The weight above are for standard accessories only, motor excluded.

iBK Type Performance Parameters Sheet

Model	Dia. of Discharge (mm)	Inlet airflow (m ³ /min) and shaft power (Kw) at different conditions																
		Speed	0.1kgf/cm ²		0.2kgf/cm ²		0.3kgf/cm ²		0.4kgf/cm ²		0.5kgf/cm ²		0.6kgf/cm ²		0.7kgf/cm ²		0.8kgf/cm ²	
			1000mmH ₂ O		2000mmH ₂ O		3000mmH ₂ O		4000mmH ₂ O		5000mmH ₂ O		6000mmH ₂ O		7000mmH ₂ O		8000mmH ₂ O	
			0.01Mpa		0.02Mpa		0.03Mpa		0.04Mpa		0.05Mpa		0.06Mpa		0.07Mpa		0.08Mpa	
rpm	m ³ /min	Kw	m ³ /min	Kw	m ³ /min	Kw	m ³ /min	Kw	m ³ /min	Kw	m ³ /min	Kw	m ³ /min	Kw	m ³ /min	Kw		
iBK40	40 (1.5")	1750	1.30	0.96	1.10	1.12	0.95	1.29	0.83	1.46	0.72	1.63	0.63	1.80				
		1850	1.33	1.01	1.13	1.19	1.00	1.37	0.90	1.55	0.78	1.72	0.70	1.90				
		2050	1.60	1.12	1.43	1.32	1.28	1.52	1.17	1.71	1.07	1.91	0.97	2.11	0.87	2.31		
		2400	1.83	1.31	1.73	1.54	1.57	1.77	1.45	2.01	1.35	2.24	1.27	2.47	1.18	2.70		
		2750	1.97	1.50	1.82	1.77	1.70	2.03	1.60	2.30	1.50	2.56	1.42	2.83	1.30	3.09		
		3000	2.20	1.64	2.15	1.93	1.97	2.22	1.88	2.51	1.82	2.80	1.72	3.08	1.62	3.77		
iBK50	50 (2")	1700	1.83	1.18	1.60	1.43	1.47	1.67	1.33	1.92	1.20	2.16	1.12	2.41				
		1950	2.05	1.35	1.87	1.64	1.73	1.92	1.58	2.20	1.50	2.48	1.45	2.76				
		2150	2.40	1.49	2.27	1.80	2.10	2.11	2.02	2.43	1.97	2.74	1.85	3.05	1.72	3.36		
		2400	2.70	1.67	2.55	2.01	2.47	2.36	2.37	2.71	2.30	3.05	2.20	3.40	2.10	3.75		
		2600	2.92	1.81	2.70	2.18	2.60	2.56	2.50	2.93	2.43	3.31	2.37	3.69	2.27	4.06		
2800	3.17	1.94	2.92	2.35	2.80	2.75	2.68	3.16	2.62	3.56	2.55	3.97	2.48	4.37				
iBK65	65 (2.5")	1500	3.17	2.23	2.89	2.66	2.68	3.08	2.50	3.51	2.35	3.94	2.20	4.37	2.07	4.79	1.95	5.22
		1700	3.68	2.52	3.41	3.01	3.19	3.49	3.02	3.98	2.86	4.46	2.72	4.95	2.58	5.43	2.46	5.92
		1900	4.19	2.82	3.92	3.36	3.71	3.91	3.53	4.45	3.37	4.99	3.23	5.53	3.10	6.07	2.97	6.61
		2075	4.64	3.08	4.36	3.67	4.15	4.27	3.97	4.86	3.82	5.45	3.67	6.04	3.54	6.63	3.42	7.22
		2200	4.96	3.27	4.68	3.89	4.47	4.52	4.29	5.15	4.14	5.78	3.99	6.40	3.86	7.03	3.74	7.66
		2425	5.54	3.60	5.26	4.29	5.05	4.98	4.87	5.68	4.71	6.37	4.57	7.06	4.44	7.75	4.32	8.44
		2600	5.98	3.86	5.71	4.60	5.50	5.34	5.32	6.09	5.16	6.83	5.02	7.57	4.89	8.31	4.77	9.05
		2750	6.36	4.08	6.09	4.87	5.88	5.65	5.70	6.44	5.54	7.22	5.40	8.01	5.27	8.79	5.15	9.57
iBK80	80 (3")	1500	4.84	3.33	4.48	3.97	4.21	4.60	3.98	5.24	3.78	5.47	3.60	6.51	3.43	7.14	3.28	7.77
		1700	5.60	3.78	5.24	4.50	4.97	5.22	4.74	5.44	4.54	6.65	4.36	7.37	4.19	8.09	4.04	8.81
		1900	6.35	4.22	6.00	5.03	5.73	5.83	5.50	6.63	5.30	7.44	5.12	8.24	4.95	9.04	4.80	9.85
		2075	7.02	4.61	6.66	5.49	6.39	6.37	6.17	7.24	5.96	8.12	5.78	9.00	5.61	9.88	5.46	10.75
		2200	7.49	4.89	7.14	5.82	6.87	6.75	6.64	7.48	6.44	8.61	6.26	9.54	6.09	10.47	5.93	11.40
		2425	8.34	5.39	7.99	6.42	7.72	7.44	7.49	8.47	7.29	9.49	7.11	10.52	6.94	11.54	6.79	12.57
		2600	9.01	5.78	8.66	6.88	8.38	7.98	8.16	9.08	7.96	10.18	7.77	11.28	7.61	12.38	7.45	13.48
		2750	9.58	6.11	9.23	7.28	8.96	8.44	8.73	9.60	8.53	10.76	8.33	11.93	8.18	13.09	8.02	14.25
iBK100S	100 (4")	1500	8.20	3.82	7.63	4.94	7.20	6.06	6.83	7.18	6.50	8.31	6.21	9.43				
		1700	9.48	4.33	8.91	5.60	8.47	6.87	8.11	8.14	7.78	9.41	7.49	10.68				
		1900	10.76	4.84	10.19	6.26	9.75	7.18	9.38	9.10	9.06	10.52	8.77	11.94				
		2075	11.87	5.29	11.30	6.84	10.87	8.39	10.50	9.94	10.18	11.49	9.88	13.04				
		2200	12.67	5.60	12.10	7.15	11.67	8.89	11.30	10.54	10.97	12.18	10.68	13.83				
		2425	14.41	6.18	13.54	7.19	13.10	9.80	12.73	11.61	12.41	13.43	12.12	15.24				
		2600	15.22	6.62	14.66	8.57	14.22	10.11	13.85	12.45	13.53	14.40	13.23	16.34				
		2750	16.18	7.01	15.61	9.06	15.18	11.12	14.81	13.17	14.48	15.23	14.19	18.28				
iBK100	100 (4")	1400	7.61	5.16	7.19	6.13	6.86	7.09	6.58	8.06	6.34	9.02	6.12	9.99	5.91	10.95	5.72	11.91
		1550	8.54	5.72	8.11	6.78	7.78	7.85	7.51	8.92	7.26	9.99	7.04	11.05	6.84	12.12	6.65	13.19
		1750	9.78	6.46	9.35	7.66	9.02	8.87	8.74	10.07	8.50	11.28	8.28	12.48	8.08	13.69	7.89	14.89
		1850	10.39	6.82	9.97	8.10	9.64	9.37	9.36	10.65	9.12	11.92	8.90	13.19	8.69	14.47	8.50	15.74
		2050	11.63	7.56	11.20	8.97	10.87	10.39	10.60	11.80	10.35	13.21	10.13	14.62	9.93	16.03	9.74	17.44
		2200	12.56	8.12	12.13	9.63	11.80	11.15	11.52	12.66	11.28	14.18	11.06	15.69	10.85	17.21	10.67	18.72
		2350	13.48	8.67	13.05	10.29	12.73	11.91	12.45	13.52	12.21	15.14	11.98	16.76	11.78	18.38	11.59	20.00
iBK125	125 (5")	1400	11.56	5.63	11.02	7.07	10.61	8.50	10.27	9.93	9.96	11.37	9.68	12.80	9.43	14.23	9.19	15.67
		1550	12.94	6.24	12.40	7.82	11.99	9.41	11.64	11.00	11.34	12.58	11.06	14.17	10.81	15.76	10.57	17.34
		1750	14.77	7.04	14.24	8.83	13.83	10.62	13.48	12.42	13.17	14.21	12.90	16.00	12.64	17.79	12.41	19.58
		1850	15.69	7.44	15.16	9.34	14.74	11.23	14.40	13.13	14.09	15.02	13.81	16.91	13.56	18.81	13.32	20.70
		2050	17.53	8.25	16.99	10.35	16.58	12.45	16.23	14.54	15.93	16.64	15.65	18.74	15.40	20.84	15.16	22.94
		2200	18.91	8.85	18.37	11.10	17.96	13.36	17.61	15.61	17.31	17.86	17.03	20.11	16.77	22.37	16.54	24.62
		2350	20.28	9.46	19.75	11.86	19.34	14.27	18.99	16.67	18.68	19.08	18.41	21.48	18.15	23.89	17.92	26.30

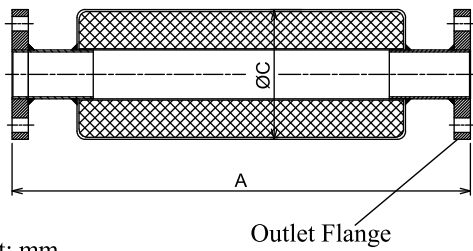
iBK Type Performance Parameters Sheet

Model	Dia. of Discharge (mm)	Inlet airflow (m ³ /min) and shaft power (Kw) at different conditions																	
		Speed	0.1kgf/cm ²		0.2kgf/cm ²		0.3kgf/cm ²		0.4kgf/cm ²		0.5kgf/cm ²		0.6kgf/cm ²		0.7kgf/cm ²		0.8kgf/cm ²		
			1000mmH ₂ O		2000mmH ₂ O		3000mmH ₂ O		4000mmH ₂ O		5000mmH ₂ O		6000mmH ₂ O		7000mmH ₂ O		8000mmH ₂ O		
			0.01Mpa		0.02Mpa		0.03Mpa		0.04Mpa		0.05Mpa		0.06Mpa		0.07Mpa		0.08Mpa		
rpm	m ³ /min	Kw	m ³ /min	Kw	m ³ /min	Kw	m ³ /min	Kw	m ³ /min	Kw	m ³ /min	Kw	m ³ /min	Kw	m ³ /min	Kw	m ³ /min	Kw	
iBK150S	150 (6")	1400	19.98	8.21	19.03	10.81	18.31	13.42	17.70	16.02	17.16	18.63	16.67	21.24					
		1550	22.36	9.09	21.42	11.97	20.70	14.16	20.08	17.24	19.55	20.63	19.06	23.51					
		1750	25.54	10.26	24.60	13.51	23.88	16.77	23.26	20.03	22.73	23.29	22.24	28.54					
		1850	27.13	10.84	26.19	14.29	25.47	17.23	24.85	21.17	24.32	24.62	23.83	29.06					
		2050	30.31	12.02	29.37	15.83	28.65	19.65	28.03	23.46	27.50	27.28	27.01	31.09					
		2200	32.70	12.90	31.75	16.99	31.03	21.09	30.42	25.18	29.88	29.28	29.39	34.37					
		2350	35.08	13.77	34.14	17.15	33.42	22.52	32.80	26.90	32.27	31.27	31.78	36.65					
iBK150	150 (6")	1330	21.88	10.64	21.07	13.30	20.44	15.96	19.91	18.62	19.44	21.28	19.02	23.94	18.64	26.60	18.28	29.26	
		1420	23.50	11.36	22.68	14.20	22.05	17.04	21.52	19.88	21.06	22.72	20.64	25.56	20.25	28.40	19.89	31.24	
		1580	26.37	12.64	25.55	15.80	24.92	18.92	24.39	22.12	23.93	25.28	23.51	28.44	23.12	31.60	22.76	34.76	
		1670	27.98	13.36	27.16	16.70	26.54	20.04	26.01	23.38	25.54	26.72	25.12	30.06	24.74	33.40	24.37	36.74	
		1870	31.57	14.96	30.75	18.70	30.12	22.44	29.60	26.18	29.13	29.92	28.71	33.66	28.32	37.40	27.96	41.14	
		1980	33.54	15.84	32.72	19.80	32.10	23.76	31.57	27.72	31.10	31.68	30.68	35.64	30.30	39.60	29.94	43.56	
		2080	35.33	16.64	34.52	20.80	33.89	24.96	33.36	29.12	32.90	33.28	32.48	37.44	32.09	41.60	31.73	45.76	
iBK200S	200 (8")	1330	33.34	11.54	32.20	15.77	31.33	19.99	30.59	24.22	29.94	28.45	29.35	32.67					
		1420	35.79	12.32	34.64	16.83	33.77	20.35	33.03	25.86	32.38	30.37	31.79	34.88					
		1580	40.13	13.71	38.99	17.73	38.11	23.75	37.37	28.77	36.72	33.79	36.13	40.81					
		1670	42.57	14.49	41.43	19.80	40.55	25.11	39.82	30.41	39.16	35.72	38.58	42.03					
		1870	48.00	16.23	46.86	21.17	45.98	28.11	45.24	34.05	44.59	40.00	44.00	45.94					
		1980	50.99	17.18	49.85	23.47	48.97	29.77	48.23	36.06	47.58	42.35	46.99	48.64					
		2080	53.70	17.55	52.56	24.66	51.68	31.27	50.94	37.88	50.29	44.49	49.70	51.10					
iBK200	200 (8")	1150	31.24	17.60	30.06	21.40	29.16	25.20	28.40	28.99	27.74	32.79	27.13	36.59	26.57	40.39	26.06	44.19	
		1250	34.20	19.13	33.03	23.26	32.13	27.39	31.37	31.52	30.70	35.64	30.09	39.77	29.54	43.90	29.02	48.03	
		1320	36.27	20.20	35.10	24.56	34.20	28.92	33.44	33.28	32.77	36.64	32.17	42.00	31.61	46.36	31.09	50.72	
		1380	38.05	21.12	36.88	25.68	35.98	30.23	35.22	34.79	34.55	39.35	33.94	43.91	33.39	48.47	32.87	53.03	
		1480	41.01	22.65	39.84	27.54	38.94	32.43	38.18	36.31	37.51	42.20	36.91	47.09	36.35	51.98	35.83	56.87	
		1640	45.75	25.10	44.58	30.51	43.68	35.93	42.92	41.35	42.25	46.77	41.65	52.18	41.09	57.60	40.57	63.02	
		1850	51.97	28.31	50.80	34.42	49.90	40.53	49.14	46.64	48.47	52.75	47.87	58.86	47.31	64.97	46.80	71.09	
		2080	58.79	31.83	57.62	38.70	56.72	45.57	55.96	52.44	55.29	59.31	54.68	66.18	54.13	73.05	53.61	79.92	
iBK250	250 (10")	1320	53.91	27.92	52.17	34.73	50.83	41.53	49.70	48.34	48.71	55.14	47.81	61.95	46.98	68.75	46.21	75.55	
		1480	60.96	31.31	59.21	38.94	57.88	46.57	56.75	54.20	55.75	61.83	54.85	69.45	54.03	77.08	53.26	84.71	
		1650	68.44	34.91	66.70	43.41	65.36	51.92	64.23	60.42	63.24	68.93	62.34	77.43	61.51	85.94	60.75	94.44	
		1775	73.95	37.55	72.20	46.70	70.87	55.85	69.74	65.00	68.74	74.15	67.84	83.30	67.02	92.45	66.25	101.60	
		1875	78.35	39.67	76.61	49.33	75.27	59.00	74.14	68.66	73.15	78.33	72.25	87.99	71.42	97.66	70.65	107.32	
		1980	82.97	41.89	81.23	52.09	79.89	62.30	78.76	72.51	77.78	82.71	76.87	92.92	76.04	103.12	75.28	113.33	
iBK300	300 (12")	1175	76.82	42.17	74.19	51.45	72.18	60.72	70.48	69.99	68.98	79.26	67.63	88.54	66.38	109.81	65.22	117.08	
		1300	85.67	46.66	83.04	56.92	81.02	67.18	79.32	77.44	77.83	87.69	76.47	101.95	75.23	122.21	74.07	138.47	
		1480	98.41	53.12	95.78	64.80	93.77	71.48	92.07	88.16	90.57	102.84	89.21	121.52	87.97	135.20	86.81	149.88	
		1575	105.13	56.53	102.51	68.96	100.49	81.39	98.79	93.82	97.29	106.25	95.94	128.67	94.69	145.10	93.53	159.53	
		1650	110.44	59.22	107.81	71.24	105.80	85.26	104.10	103.28	102.60	127.30	101.25	134.33	100.00	153.35	98.84	166.37	
		1750	117.52	62.81	114.89	76.62	112.88	90.43	111.18	108.24	109.68	135.05	108.32	151.86	107.08	168.67	105.92	178.48	

Motor power indicated by each color (Kw)

1.5	2.2	3	4	5.5	7.5	11	15	18.5	22	30	37	45	55	75	90	110	132	160	200
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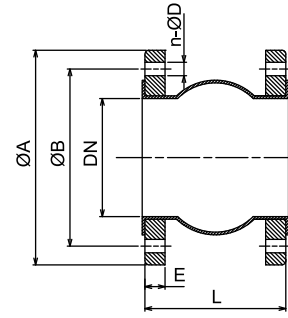
Discharge Silencer



Unit: mm

Blower Application Type	Port Dia	Flange	A	C
iBK40	1.5"	DN40	615	160
iBK50	2"	DN50	715	160
iBK65	2.5"	DN65	815	160
iBK80	3"	DN80	900	160
iBK100	4"	DN100	900	219
iBK125	5"	DN125	1000	219
iBK150	6"	DN150	1000	285
iBK200	8"	DN200	1000	345
iBK250	10"	DN250	1200	400
iBK300	12"	DN300	1200	450

Flexible Joint

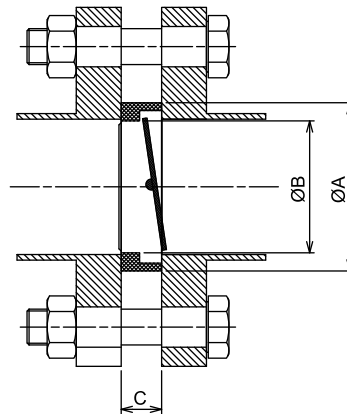


Unit: mm

Type	A	B	E	L	n	D
DN40	150	110	15	95	4	18
DN50	165	125	15	105	4	18
DN65	185	145	17	115	4	18
DN80	200	160	20	135	8	18
DN100	220	180	21	150	8	18
DN125	250	210	21	165	8	18
DN150	285	240	21	180	8	22
DN200	340	295	21	190	8	22
DN250	395	350	23	230	12	22
DN300	445	400	24	245	12	22
DN350	505	460	28	260	16	22

AD Type check valve with machined surface sealed

Type	A	B	C	Bolts Spec
AD40	86	30	18	M16 x 80
AD50	101	38	18	M16 x 80
AD65	121	45	18	M16 x 80
AD80	131	52	18	M16 x 80
AD100	156	65	18	M16 x 90
AD125	187	90	18	M16 x 90
AD150	217	115	24	M20 x 110
AD200	267	160	24	M20 x 110
AD250	320	273	38	M20 x 140
AD300	368	325	38	M20 x 140
AD350	428	377	38	M20 x 140



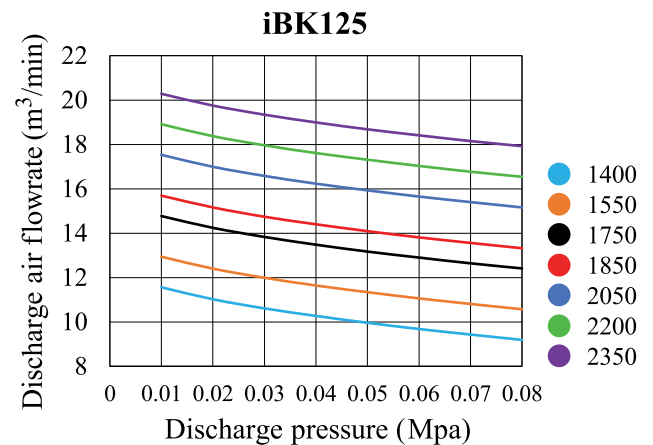
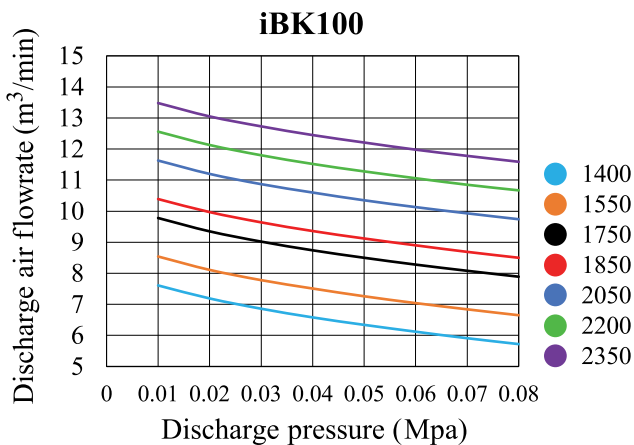
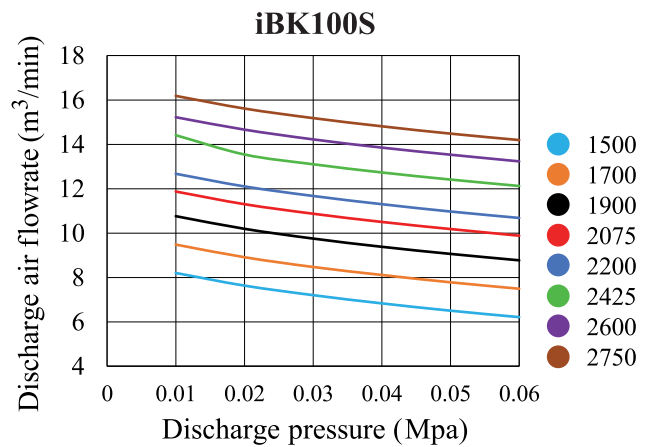
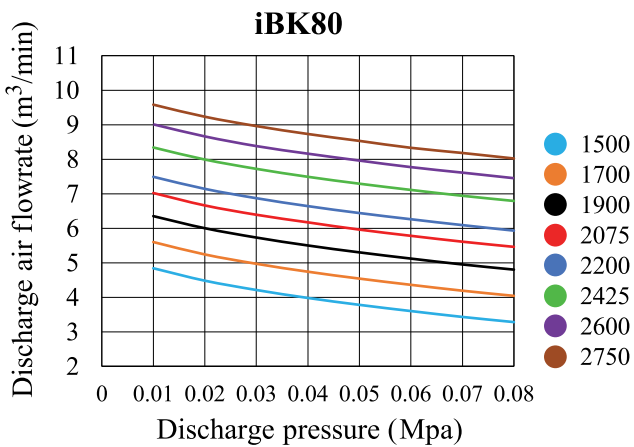
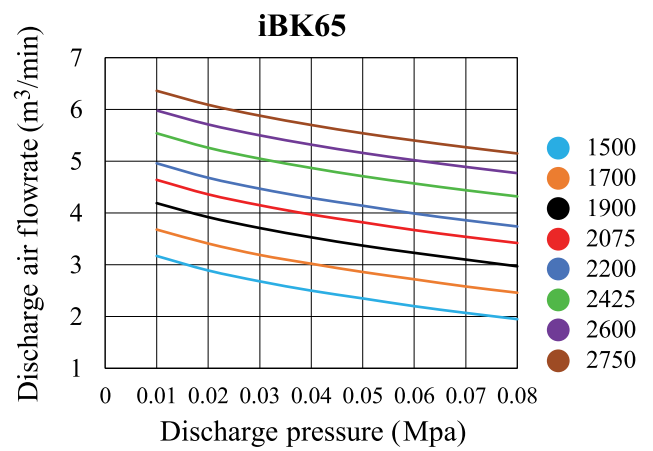
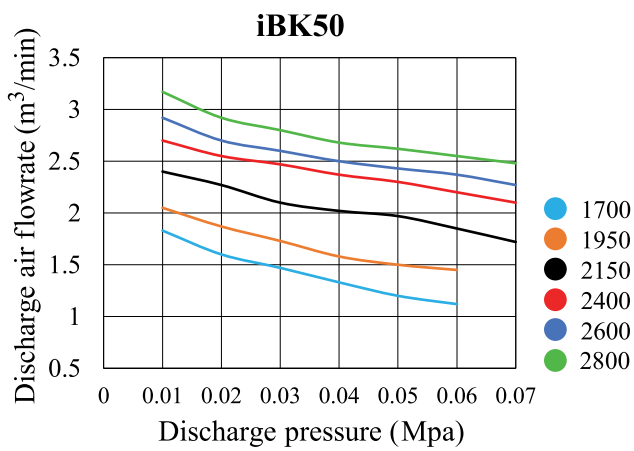
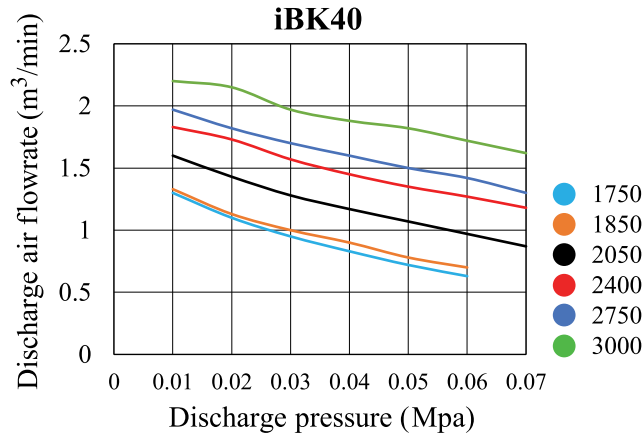
Electricity Cabinet can be designed according to the customer's request

❖ Please excuse that we will not notice you if there are any changes of technical parameters.

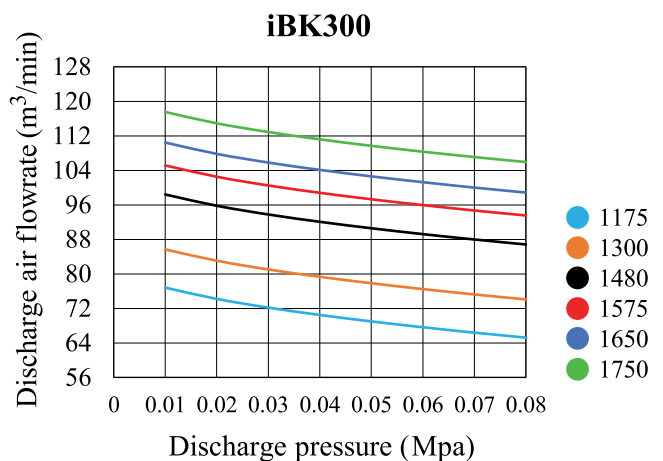
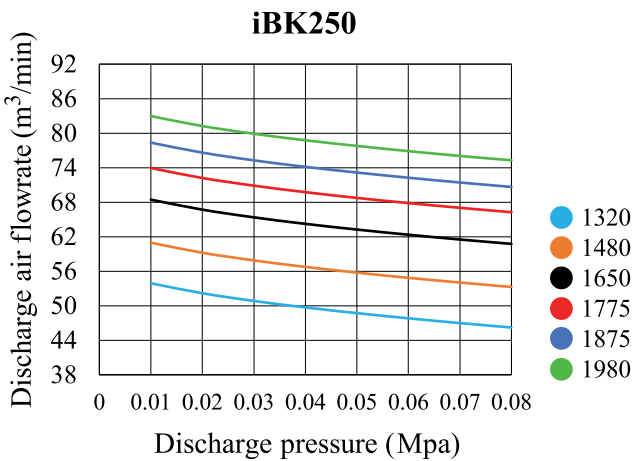
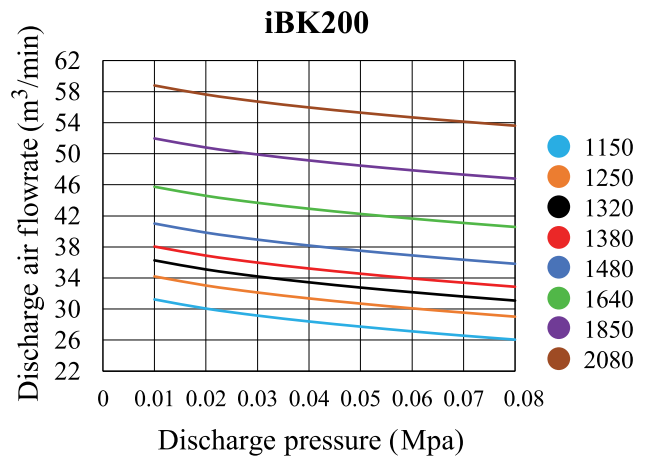
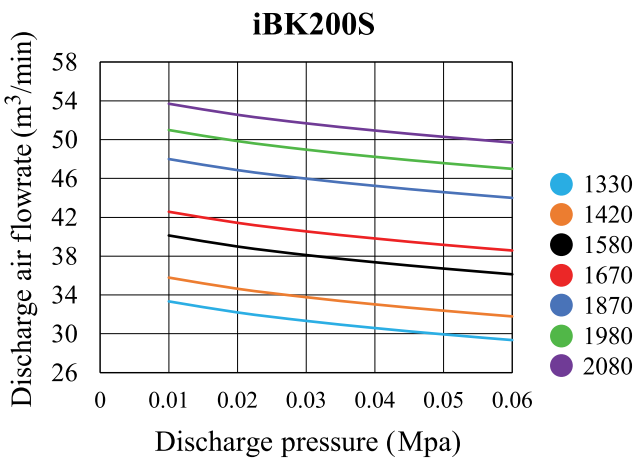
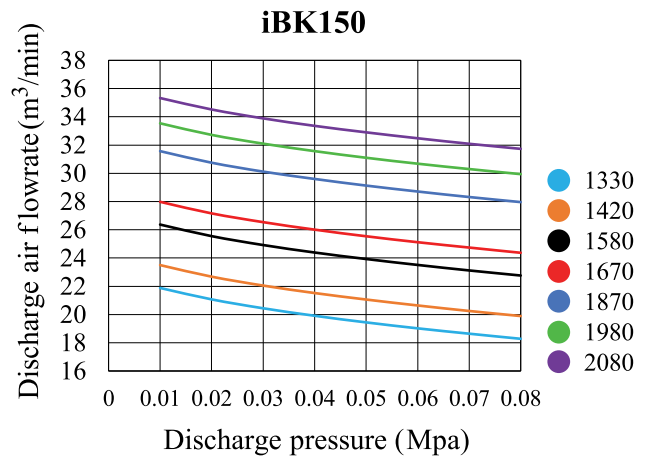
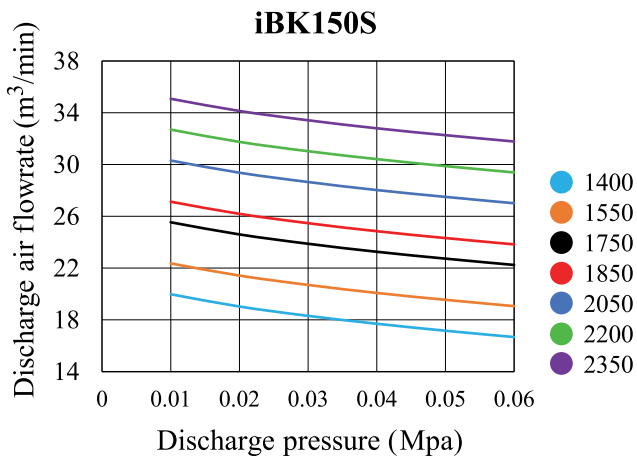
The conversion of standard pressure unit to other pressure units

Pressure	Pa	kPa	MPa	bar	kgf/cm ²	atm	mmH ₂ O (mmAq)	mmHg (Torr)
	1	1X10 ⁻³	1X10 ⁻⁶	1X10 ⁻⁵	1.019 72X10 ⁻⁵	9.869 23X10 ⁻⁶	1.019 72X10 ⁻¹	7.500 62X10 ⁻³
	1X10 ³	1	1X10 ⁻³	1X10 ⁻²	1.019 72X10 ⁻²	9.869 23X10 ⁻³	1.019 72X10 ²	7.500 62
	1X10 ⁶	1X10 ³	1	1X10	1.019 72X10	9.869 23	1.019 72X10 ⁵	7.500 62X10 ³
	1X10 ⁵	1X10 ²	1X10 ⁻¹	1	1.019 72	9.869 23X10 ⁻¹	1.019 72X10 ⁴	7.500 62X10 ²
	9.806 65X10 ⁴	9.806 65X10	9.806 65X10 ⁻²	9.806 65X10 ⁻¹	1	9.869 23X10 ⁻¹	1X10 ⁴	7.355 59X10 ²
	1.013 25X10 ⁵	1.013 25X10 ²	1.013 25X10 ⁻¹	1.013 25	1.033 23	1	1.033 23X10 ⁴	7.600 00X10 ²
	9.806 65	9.806 65X10 ⁻³	9.806 65X10 ⁻⁶	9.806 65X10 ⁻⁵	1X10 ⁻⁴	9.678 41X10 ⁻⁵	1	7.355 59X10 ⁻²
	1.333 22X10 ²	1.333 22X10 ¹	1.333 22X10 ⁻⁴	1.333 22X10 ⁻³	1.359 51X10 ⁻³	1.315 79X10 ⁻³	1.359 51X10	1

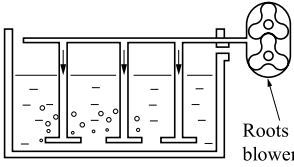
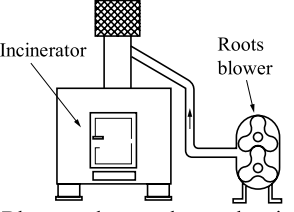
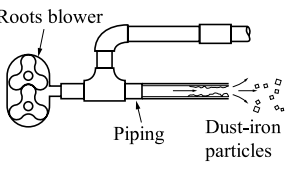
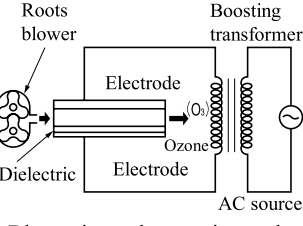
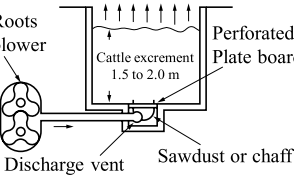
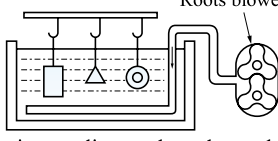
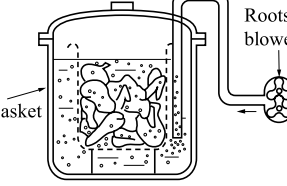
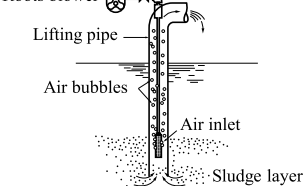
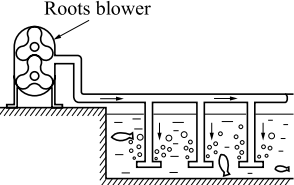
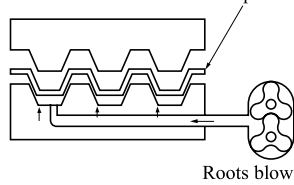
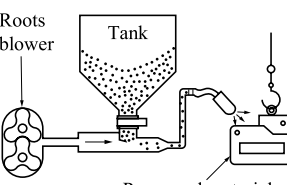
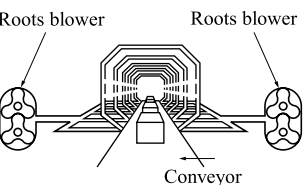
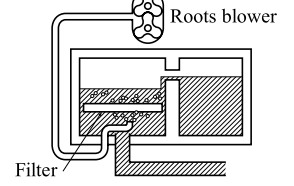
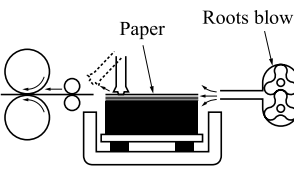
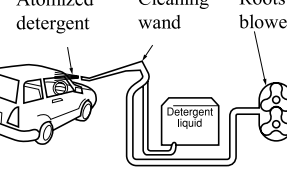
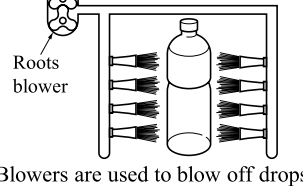
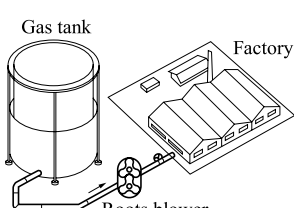
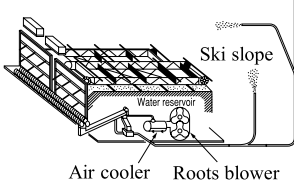
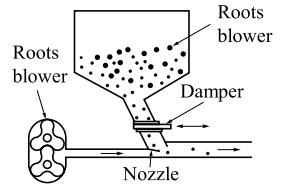
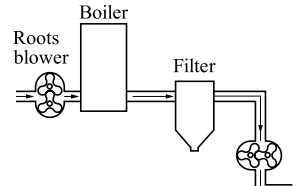
Performance curves

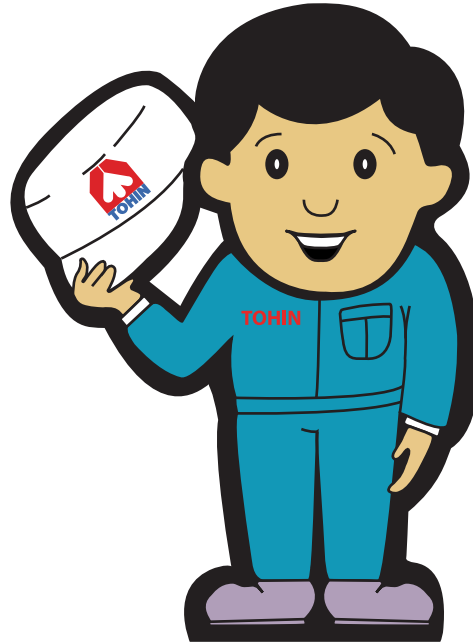


Performance curves



Example of usage

Water Treatment	Incinerators	Pipe Clearing	Ozone Implement
 <p>It is used for aeration and the stir in the water treatment plant.</p>	 <p>Blower enhances the combustion efficiency, and promotes the exhaust gas removal.</p>	 <p>Blower is used to clean of pipe and to supply the coating to piping.</p>	 <p>Blower is used as an air supply of the high concentration ozonizer.</p>
Compost Ferment	Plating Bath	Frozen Food	Airlift Pump
 <p>The air of blower promotes the fermentation of domestic animal's excreta etc.</p>	 <p>Plating quality can be enhanced by using a blower to circulate electrolytes in the plating bath to give the plating a more uniform thickness. Here blowers serve as the source of air supply.</p>	 <p>Blowers are useful in the sir-freezing of frozen foods in water</p>	 <p>Bubbles formed by air jet lift water through the pipe by reducing the specific gravity of sewage.</p>
Pound Oxygen Providing	Press Machine	Sandblast	Produce Line Drying
 <p>Blower is used for the Oxygen supply of aquafarm, for the stir. Blower is used also in the aquarium etc.</p>	 <p>Blower is used for lift when removing molded products from the press.</p>	 <p>Provides a concentrated blast of air for use in sandblasting.</p>	 <p>Our blowers are used to good effect in small scale drying lines.</p>
Back Washing	Imprinter Paper Feeding	Atomization of Detergent	Air Blower
 <p>Blower is used to wash the filter etc by reversal flow.</p>	 <p>The exhalation air of blower helps the separation and distribution of paper.</p>	 <p>Blowers convey energy at car washes by atomizing water and detergent.</p>	 <p>Blowers are used to blow off drops of water clinging to surfaces of cans, bottle, machine part. Air blowers can also be used as sources of cooling or drying air.</p>
Special Gas	Snow Machine	Powder and Grain Transportation	Combustion Gas Recovery
 <p>Blower is used for the supply of the city gas etc.</p>	 <p>Blower is used for pneumatic transportation in the snow machine.</p>	 <p>Blower is used for the pneumatic transportation of the pellet of vinyl chloride and polyethylene etc.</p>	 <p>Also used in the desulfurization of high-temperature combustion gas and flue gas.</p>



**Keep improving – our forever seeking
Satisfy customers – our invariable promise**

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