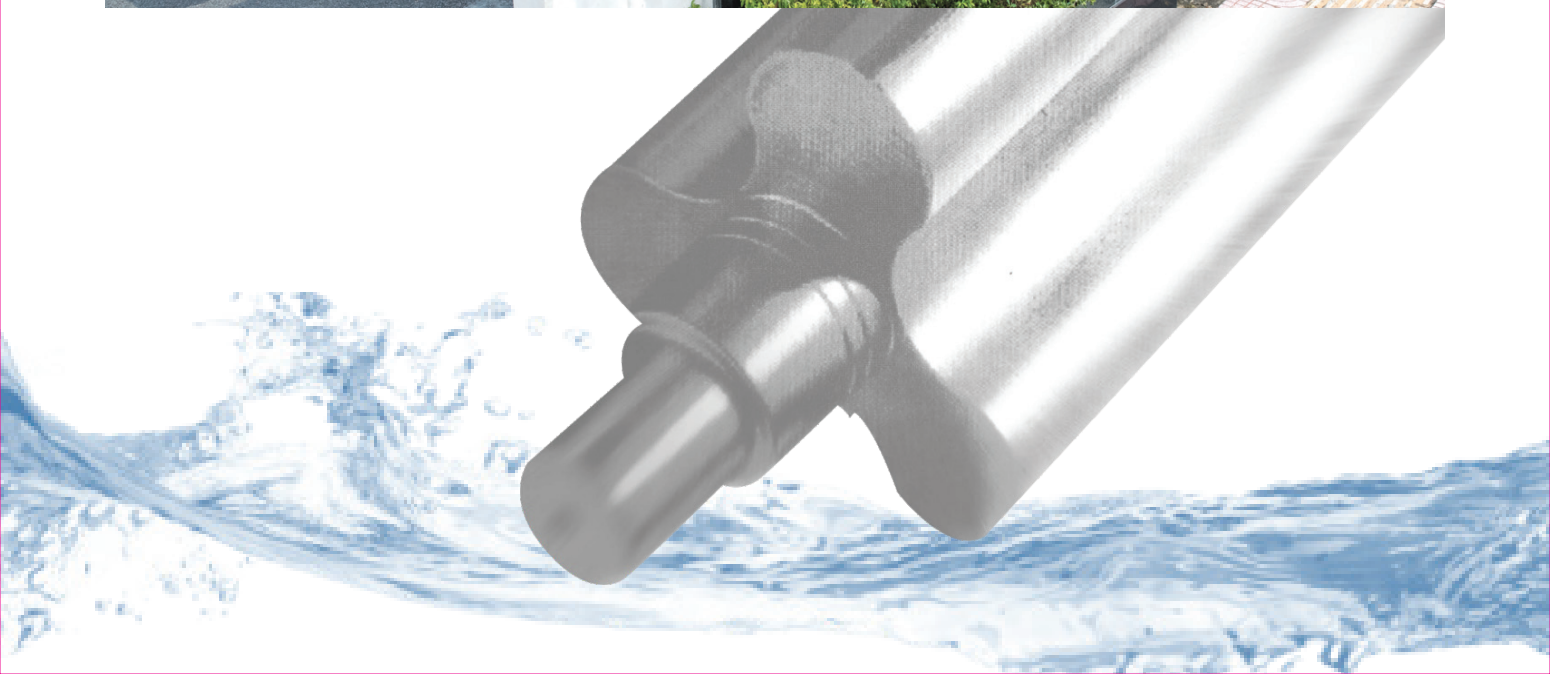




**TOHIN VIETNAM INDUSTRY CO., LTD.**

# **BK SERIES THREE LOBES ROOTS BLOWER**



## **TOHIN VIETNAM INDUSTRY CO., LTD.**

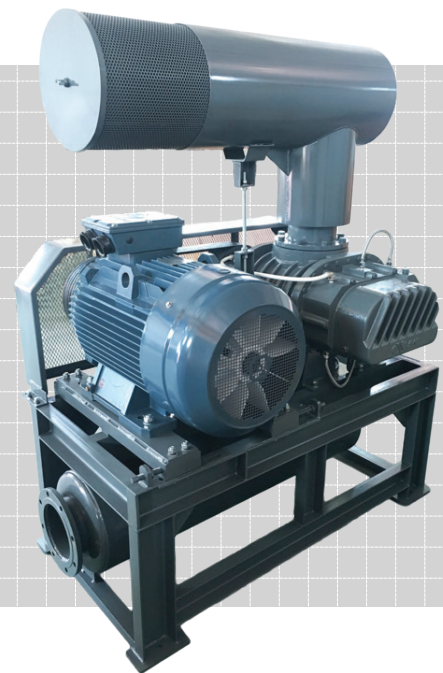
- Tohin Vietnam Industry (TVI) is the subsidiary of Tohin Group - The leading Japanese company who has more than 68 years experience in design, manufacture all kind of air blower, power cleaner, air jet cooler, and air amplifier.
- Located in the SHTP, Thu Duc city, Vietnam, since established 2015, TVI has been being a well-known company in manufacturing, trading, supplying aftersales service for all kind of Tohin's products in Vietnam market as well as Southeast Asia .
- By inheriting and further promoting the tradition and experience accumulated over 68 years of the Tohin Group, TVI commits to provide a wide range of quality products in accordance with Japanese standards, applied the most advanced technology in the world for energy saving, environment friendly.





### **BK Type Three Lobes Roots Blower**

Three-lobe rotor for smooth operation. High performance. Compact, flexibility in installation. Small vibration and economical energy consumption. Used for pressure from 0.01 to 0.06 Mpa.



### **BKW Type Three Lobes Roots blower**

BKW series is special designed for requirements of large air volume and high pressure (over 0.06 Mpa).



### **BKD Type Roots blower**

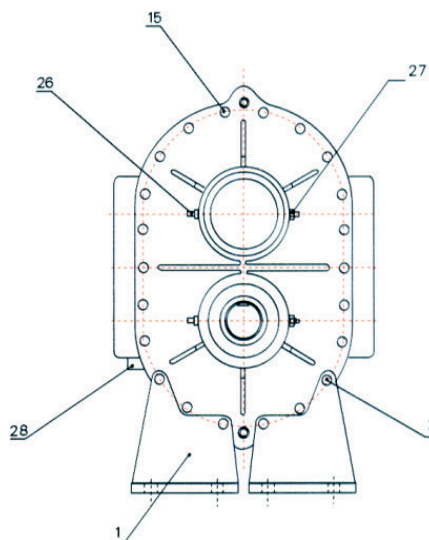
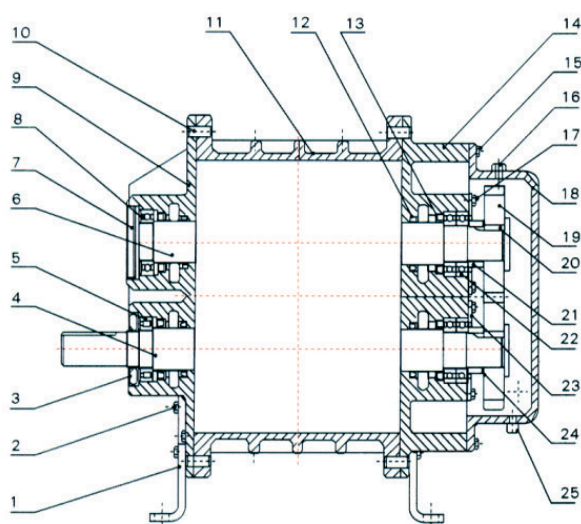
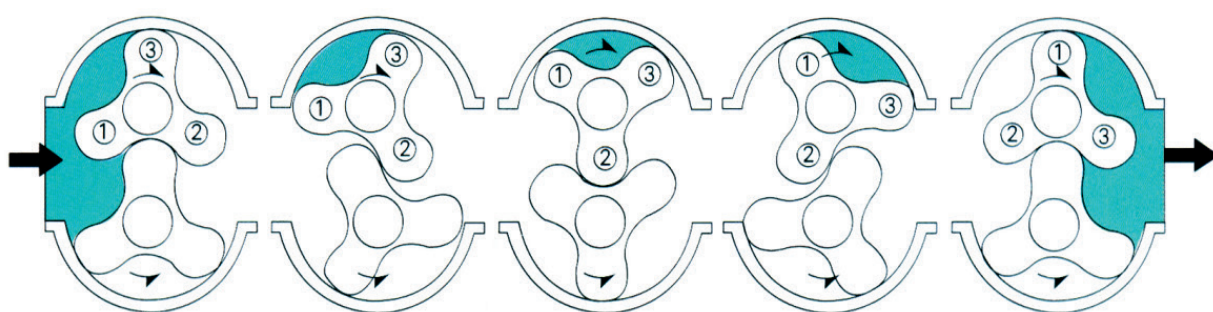
BKD series is extremely high performance model, which is special designed for required pressure over 0.1 Mpa.

## Blower working principle

Roots Blower is a cubage blower, and it discharges a fixed amount of air in proportion to its rotation speed. Every rotation, there is two lobes to finish three times absorbing and discharging air. Compared with two lobes blower, it is of less air pulses, smaller load change, higher strength, lower noise and vibration.

Two parallel shafts have three lobes each, all the lobes keep small clearance with each other and housing inside. Every lobes rotation, a certain air will be absorbed at inlet and transferred from the housing inside surface to blower's discharge port.

Two shafts will be turned by the timing gears, no any touching between lobes, so it can be turned at high speed without any lubrication inside. It has the following characteristics: simply configuration; running smoothly, good performance stabilization. It has been widely applied in various industries.



No	Name	No	Name	No	Name
1	Mounting Feet	11	Housing	21	Gear Spacer
2	Hex Bolts	12	Oil Seal	22	Bearing
3	Dust Proof Seal	13	Oil Seal	23	Bearing Container
4	Drive Impeller	14	Gear Endplate	24	Shin
5	Bearing	15	Hex Bolts	25	Plug (with magnetism)
6	Driven Impeller	16	Breather	26	Relief Valve
7	Dust Cover	17	Hex Bolts	27	Grease Nipple
8	Bearing	18	Gear Cover	28	Plug
9	Drive Endplate	19	Timing Gear		
10	Dowel with Screw Inside	20	Key		

## Method of reading performance sheet

1. The inlet airflow in the sheet is based on standard condition.
2. In general, airflow value shows as:
  - 2.1 Standard condition airflow: Airflow at 20 Celsius degree; absolute pressure is 760mmHg (101,3 KPa); comparative humidity is 65%
  - 2.2 Inlet airflow: Airflow upon to the temperature and humidity at inlet
  - 2.3 Based standard condition airflow: Airflow of dry gas at 0 Celsius degree, absolute pressure is 760mmHg (101.3KPa).

We can convert each other as follows:

If we want convert Q1 to Q2,  $Q2=Q1 \times P1/P2 \times T2/T1$

Q1: Airflow(m<sup>3</sup>/min) based on absolute pressure P1 (mmH<sub>2</sub>O), absolute temperature T1 (k)

Q2: Airflow(m<sup>3</sup>/min) based on absolute pressure P2 (mmH<sub>2</sub>O), absolute temperature T2 (k)

3. There can be some duplications when you choose the model, if being for the economic points, you can choose the small model with the same parameter, or you can choose the big one according to the noise and longevity points

The airflow based on the certain pressure can be changed within 5%

## The conversion of standard pressure unit to other pressure units

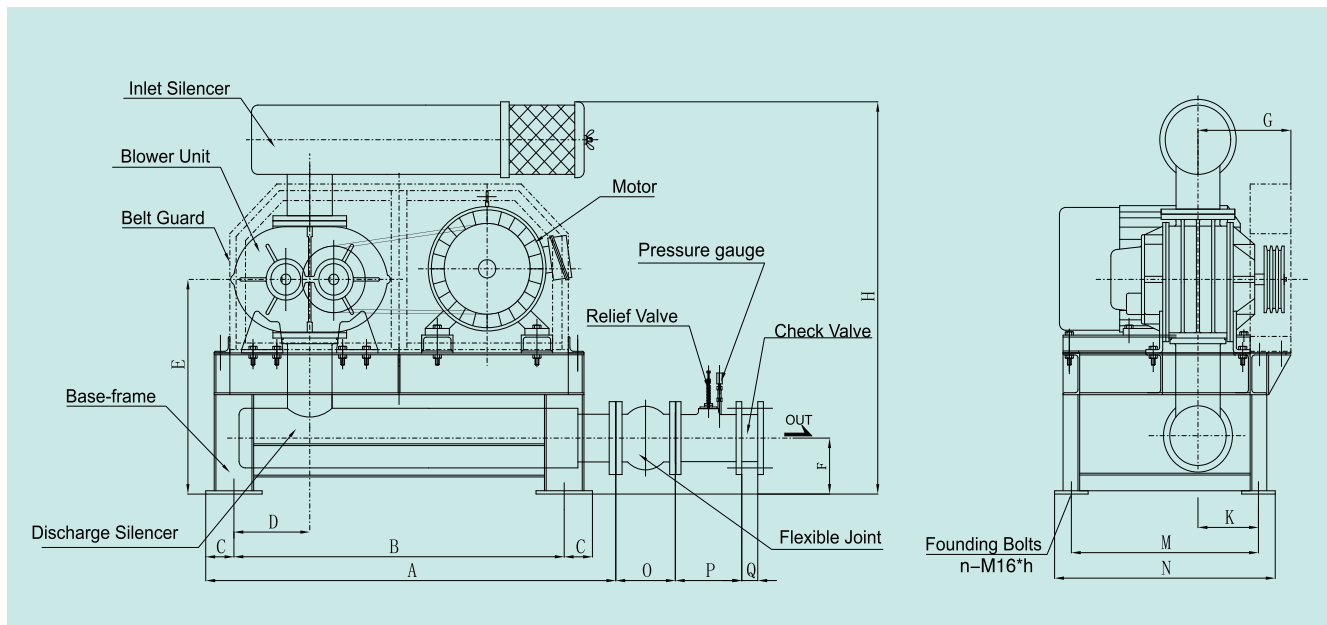
Pressure	Pa	Kgf/cm <sup>2</sup>	mmH <sub>2</sub> O (mmAq)	mmHg
	1	$1.01972 \times 10^{-5}$	$1.01972 \times 10^{-1}$	$7.50062 \times 10^{-3}$
	$1 \times 10^5$	1.01972	$1.01972 \times 10^4$	$7.50062 \times 10^2$
	$9.80665 \times 10^4$	1	$1 \times 10^4$	$7.35559 \times 10^2$
	$1.01325 \times 10^5$	1.03323	$1.03323 \times 10^4$	$7.6 \times 10^2$
	9.80665	$1 \times 10^{-4}$	1	$7.3559 \times 10^{-2}$
	$1.35951 \times 10^2$	$1.35951 \times 10^{-3}$	$1.35951 \times 10$	1

Type	Port Dia (mm)	Speed rpm	Inlet airflow(m <sup>3</sup> /min) and shaft power(KW) at different conditions															
			0.1kgf/cm <sup>2</sup>		0.2kgf/cm <sup>2</sup>		0.3kgf/cm <sup>2</sup>		0.4kgf/cm <sup>2</sup>		0.5kgf/cm <sup>2</sup>		0.6kgf/cm <sup>2</sup>		0.7kgf/cm <sup>2</sup>		0.8kgf/cm <sup>2</sup>	
			1000mmH <sub>2</sub> O		2000mmH <sub>2</sub> O		3000mmH <sub>2</sub> O		4000mmH <sub>2</sub> O		5000mmH <sub>2</sub> O		6000mmH <sub>2</sub> O		7000mmH <sub>2</sub> O		8000mmH <sub>2</sub> O	
			0.01Mpa		0.02Mpa		0.03Mpa		0.04Mpa		0.05Mpa		0.06Mpa		0.07Mpa		0.08Mpa	
		m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	
BK4005	40 (1.5")	1500	1.01	0.82	0.81	0.96	0.66	1.11	0.53	1.25	0.42	1.40						
		1650	1.16	0.90	0.96	1.06	0.81	1.22	0.68	1.38	0.57	1.54	0.53	1.80				
		1800	1.31	0.98	1.12	1.16	0.96	1.33	0.85	1.50	0.74	1.68	0.68	1.90				
		1900	1.42	1.04	1.20	1.22	1.11	1.40	1.05	1.59	0.93	1.77	0.73	1.95	0.73	2.14		
		2150	1.65	1.17	1.45	1.38	1.30	1.59	1.17	1.80	1.06	2.00	0.96	2.21	0.87	2.42	0.78	2.63
		2300	1.80	1.26	1.60	1.48	1.45	1.70	1.32	1.92	1.21	2.14	1.11	2.36	1.02	2.59	0.93	2.81
BK4007	50 (2")	1500	1.65	1.04	1.42	1.26	1.24	1.48	1.09	1.69								
		1650	1.88	1.15	1.64	1.38	1.46	1.62	1.31	1.86	1.17	2.10						
		1750	2.02	1.22	1.79	1.47	1.61	1.72	1.46	1.97	1.32	2.23	1.20	2.48	1.09	2.73	0.99	2.99
		1850	2.17	1.28	1.94	1.55	1.76	1.82	1.60	2.09	1.47	2.35	1.35	2.62	1.24	2.89	1.13	3.16
		1950	2.32	1.35	2.09	1.64	1.90	1.92	1.75	2.20	1.62	2.48	1.50	2.76	1.39	3.05	1.28	3.33
		2100	2.54	1.46	2.31	1.76	2.13	2.07	1.97	2.37	1.84	2.67	1.72	2.98	1.61	3.28	1.50	3.58
BK5003	65 (2.5")	850	2.67	0.95	2.39	1.58	2.19	2.40	2.01	2.72	1.86	3.31	1.72	3.90				
		1000	3.25	1.12	2.98	1.85	2.77	2.83	2.60	3.20	2.44	3.89	2.31	4.59				
		1150	3.84	1.29	3.56	2.13	3.36	3.25	3.18	3.68	3.03	4.48	2.89	5.28	2.76	6.27		
		1250	4.23	1.40	3.95	2.32	3.75	3.53	3.57	4.00	3.42	4.87	3.28	5.74	3.15	6.81		
		1350	4.62	1.52	4.34	2.50	4.14	3.82	3.96	4.32	3.81	5.25	3.67	6.19	3.54	7.36	3.43	8.30
		1500	5.20	1.69	4.93	2.78	4.72	4.24	4.55	4.80	4.39	5.84	4.26	6.88	4.13	8.17	4.01	9.22
		1600	5.59	1.80	5.32	2.97	5.11	4.52	4.94	5.11	4.78	6.23	4.65	7.34	4.52	8.72	4.40	9.83
		1750	6.18	1.97	5.91	3.24	5.70	4.95	5.52	5.59	5.37	6.81	5.23	8.03	5.10	9.54	4.99	10.75
		1850	6.57	2.08	6.30	3.43	6.09	5.23	5.91	5.91	5.76	7.20	5.62	8.49	5.50	10.08	5.38	11.37
		2000	7.15	2.25	6.88	3.71	6.67	5.65	6.50	6.39	6.35	7.78	6.21	9.18	6.08	10.90	5.96	12.29
BK5006	100 (4")	850	4.60	1.48	4.19	2.49	3.87	3.77	3.61	4.33	3.38	5.32	3.18	6.31				
		1000	5.58	1.74	5.17	2.92	4.86	4.43	4.60	5.09	4.37	6.26	4.16	7.43				
		1150	6.56	2.00	6.16	3.36	5.84	5.10	5.58	5.85	5.35	7.20	5.15	8.54	4.95	9.64		
		1250	7.22	2.18	6.81	3.65	6.50	5.54	6.23	6.36	6.01	7.82	5.80	9.28	5.61	10.48	5.21	11.84
		1350	7.87	2.35	7.47	3.95	7.15	5.98	6.89	6.87	6.66	8.45	6.46	10.03	6.26	11.31	5.88	12.79
		1500	8.86	2.61	8.45	4.39	8.14	6.65	7.87	7.63	7.64	9.39	7.44	11.14	7.24	12.57	6.88	14.21
		1600	9.51	2.79	9.11	4.68	8.79	7.09	8.53	8.14	8.30	10.01	8.10	11.88	7.90	13.41	7.56	15.16
		1750	10.50	3.05	10.09	5.12	9.78	7.76	9.51	8.91	9.28	10.95	9.08	13.00	8.88	14.67	8.56	16.58
		1850	11.15	3.22	10.75	5.41	10.43	8.20	10.17	9.42	9.94	11.58	9.74	13.74	9.54	15.50		
		2000	12.14	3.48	11.73	5.85	11.41	8.86	11.15	10.18	10.92	12.52	10.72	14.85	10.52	16.76		
BK5009	100 (4")	850	6.84	2.08	6.29	3.52	5.87	5.32	5.51	6.16	4.89	7.16						
		1000	8.27	2.45	7.73	4.15	7.31	6.26	6.95	7.25	6.64	8.96						
		1150	9.71	2.81	9.17	4.77	8.74	7.20	8.39	8.34	8.08	10.30						
		1250	10.67	3.06	10.12	5.18	9.70	7.83	9.35	9.06	9.04	11.20						
		1350	11.63	3.30	11.08	5.60	10.66	8.46	10.31	9.79	10.00	12.09						
		1500	13.07	3.67	12.52	6.22	12.10	9.40	11.74	10.87	11.44	13.44						
		1600	14.03	3.91	13.48	6.63	13.06	10.02	12.70	11.60	12.40	14.33						
		1750	15.46	4.28	14.92	7.25	14.50	10.96	14.14	12.69	13.83	15.68						
		1850	16.42	4.52	15.88	7.67	15.45	11.59	15.10	13.41	14.79	16.57						
2000	17.86	4.89	17.31	8.29	16.89	12.53	16.54	14.50	16.23	17.92								

Type	Port Dia (mm)	Speed rpm	Inlet airflow(m <sup>3</sup> /min) and shaft power(KW) at different conditions																
			0.1kgf/cm <sup>2</sup>		0.2kgf/cm <sup>2</sup>		0.3kgf/cm <sup>2</sup>		0.4kgf/cm <sup>2</sup>		0.5kgf/cm <sup>2</sup>		0.6kgf/cm <sup>2</sup>		0.7kgf/cm <sup>2</sup>		0.8kgf/cm <sup>2</sup>		
			1000mmH <sub>2</sub> O		2000mmH <sub>2</sub> O		3000mmH <sub>2</sub> O		4000mmH <sub>2</sub> O		5000mmH <sub>2</sub> O		6000mmH <sub>2</sub> O		7000mmH <sub>2</sub> O		8000mmH <sub>2</sub> O		
			0.01Mpa		0.02Mpa		0.03Mpa		0.04Mpa		0.05Mpa		0.06Mpa		0.07Mpa		0.08Mpa		
			m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	
BK6005	80 (3")	850	5.01	1.66	4.58	2.95	4.26	3.90	3.99	4.87	3.75	6.00	3.54	7.13					
		1000	6.07	1.95	5.65	3.47	5.33	4.59	5.05	5.73	4.82	7.06	4.60	8.39	4.40	9.45	4.22	10.73	
		1150	7.13	2.24	6.71	3.99	6.39	5.28	6.11	6.59	5.88	8.12	5.67	9.65	5.46	10.87	5.29	12.33	
		1250	7.84	2.44	7.42	4.34	7.10	5.74	6.82	7.16	6.59	8.82	6.38	10.49	6.17	11.82	5.99	13.41	
		1400	8.91	2.73	8.48	4.86	8.16	6.43	7.89	8.02	7.65	9.88	7.44	11.74	7.23	13.24	7.06	15.02	
		1500	9.61	2.92	9.19	5.21	8.87	6.89	8.59	8.60	8.36	10.59	8.15	12.58	7.94	14.18	7.76	16.09	
		1650	10.68	3.22	10.25	5.73	9.93	7.58	9.66	9.46	9.42	11.65	9.21	13.84	9.00	15.60	8.83	17.70	
		1800	11.74	3.51	11.31	6.25	11.00	8.27	10.72	10.32	10.49	12.71	10.27	15.10	10.07	17.02	9.89	19.31	
BK6008	125 (5")	850	8.66	2.54	8.04	4.49	7.56	6.03	7.16	7.59	6.81	9.40	6.49	11.21					
		1000	10.45	2.99	9.83	5.28	9.35	7.10	8.95	8.93	8.60	11.06	8.28	13.19	7.98	14.81	7.72	16.85	
		1150	12.24	3.44	11.62	6.07	11.14	8.16	10.74	10.27	10.39	12.72	10.07	15.17	9.77	17.03	9.51	19.37	
		1250	13.44	3.74	12.82	6.60	12.34	8.87	11.93	11.16	11.59	13.82	11.26	16.49	10.97	18.51	10.70	21.06	
		1400	15.23	4.19	14.61	7.39	14.13	9.94	13.72	12.50	13.38	15.48	13.06	18.46	12.76	20.73	12.49	23.59	
		1500	16.42	4.49	15.80	7.92	15.33	10.65	14.92	13.40	14.57	16.59	14.25	19.78	13.95	22.22	13.69	25.27	
		1650	18.22	4.94	17.59	8.72	17.12	11.71	16.71	14.74	16.36	18.25	16.04	21.76	15.74	24.44	15.48	27.80	
		1800	20.01	5.39	19.39	9.51	18.91	12.78	18.50	16.08	18.16	19.91	17.83	23.74	17.54	26.66	17.27	30.32	
BK6015	150 (6")	850	16.66	4.61	15.65	8.08	14.89	11.00	14.23	13.94									
		1000	20.02	5.43	19.01	9.50	18.25	12.94	17.60	16.40	17.04	20.39							
		1150	23.38	6.24	22.37	10.93	21.61	14.88	20.96	18.86	20.40	23.45							
		1250	25.62	6.78	24.61	11.88	23.85	16.18	23.20	20.50	22.64	25.49							
		1400	28.99	7.60	27.98	13.30	27.21	18.12	26.56	22.96	26.00	28.55							
		1500	31.23	8.14	30.22	14.25	29.46	19.41	28.81	24.60	28.25	30.59							
		1650	34.59	8.96	33.58	15.68	32.82	21.35	32.17	27.05	31.61	33.65							
		1800	37.95	9.77	36.94	17.10	36.18	23.29	35.53	29.51	34.97	36.71							
BK7006	100 (4")	700	6.96	2.08	6.39	3.67	5.96	4.93	5.61	6.48	5.29	8.20	5.01	9.74					
		850	8.74	2.53	8.17	4.46	7.74	5.99	7.38	7.86	7.06	9.96	6.79	11.83					
		1000	10.51	2.97	9.94	5.24	9.52	7.05	9.16	9.25	8.84	11.71	8.57	13.92	8.30	16.12	8.06	18.33	
		1150	12.29	3.42	11.72	6.03	11.30	8.10	10.94	10.64	10.62	13.47	10.35	16.01	10.07	18.54	9.84	21.08	
		1250	13.48	3.71	12.91	6.56	12.48	8.81	12.12	11.56	11.80	14.64	11.53	17.40	11.26	20.15	11.02	22.91	
		1400	15.25	4.16	14.68	7.34	14.26	9.86	13.90	12.95	13.58	16.40	13.31	19.49	13.04	22.57	12.80	25.66	
		1500	16.44	4.46	15.87	7.87	15.44	10.57	15.09	13.88	14.77	17.57	14.50	20.88	14.22	24.18	13.99	27.49	
BK7011	150 (6")	700	13.16	3.69	12.29	6.46	11.62	8.80	11.07	11.63	10.57	14.64	9.66	17.45					
		850	16.42	4.48	15.55	7.85	14.88	10.68	14.33	14.12	13.83	17.78	13.40	21.22	12.88	23.08			
		1000	19.68	5.27	18.81	9.23	18.14	12.57	17.60	16.61	17.10	20.92	16.66	24.96	16.25	26.59	15.24	28.93	
		1150	22.95	6.06	22.08	10.62	21.40	14.45	20.86	19.11	20.36	24.06	19.92	28.71	19.51	30.58	18.61	33.27	
		1250	25.12	6.59	24.25	11.54	23.58	15.71	23.03	20.77	22.53	26.15	22.10	31.21	21.69	33.24	20.85	36.17	
		1400	28.39	7.38	27.52	12.93	26.84	17.60	26.30	23.26	25.80	29.29	25.36	34.95	24.95	37.23	24.22	40.51	
		1500	30.56	7.91	29.69	13.85	29.02	18.85	28.47	24.92	27.97	31.38	27.54	37.45	27.12	39.89	26.47	43.40	
BK7018	200 (8")	700	21.97	6.55	20.73	10.70	19.77	14.52	18.98	19.46									
		850	27.32	7.96	26.07	13.00	25.11	17.63	24.32	23.62	23.61	26.82							
		1000	32.66	9.36	31.41	15.29	30.45	20.74	29.67	27.79	28.95	31.55							
		1150	38.00	10.76	36.75	17.58	35.79	23.85	35.01	31.96	34.30	36.28							
		1250	41.56	11.70	40.32	19.11	39.35	25.92	38.57	34.74	37.86	39.44							
		1400	46.90	13.11	45.66	21.40	44.70	29.03	43.91	38.91	43.20	44.17							
		1500	50.47	14.04	49.22	22.93	48.26	31.11	47.47	41.69	46.76	47.33							

Type	Port Dia (mm)	Speed rpm	Inlet airflow(m <sup>3</sup> /min) and shaft power(KW) at different conditions															
			0.1kgf/cm <sup>2</sup>		0.2kgf/cm <sup>2</sup>		0.3kgf/cm <sup>2</sup>		0.4kgf/cm <sup>2</sup>		0.5kgf/cm <sup>2</sup>		0.6kgf/cm <sup>2</sup>		0.7kgf/cm <sup>2</sup>		0.8kgf/cm <sup>2</sup>	
			1000mmH <sub>2</sub> O		2000mmH <sub>2</sub> O		3000mmH <sub>2</sub> O		4000mmH <sub>2</sub> O		5000mmH <sub>2</sub> O		6000mmH <sub>2</sub> O		7000mmH <sub>2</sub> O		8000mmH <sub>2</sub> O	
			0.01Mpa		0.02Mpa		0.03Mpa		0.04Mpa		0.05Mpa		0.06Mpa		0.07Mpa		0.08Mpa	
			m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW
BK8016S	150 (6")	700	20.17	11.16	18.75	13.93	17.67	16.69	16.75	19.45	15.94	22.21	15.21	24.98				
		850	25.23	13.55	23.81	16.91	22.72	20.26	21.81	23.62	21.00	26.97	20.27	30.33	19.59	33.68		
		1000	30.29	15.95	28.87	19.89	27.78	23.84	26.86	27.79	26.05	31.73	25.32	35.68	24.65	39.63	24.02	43.57
		1150	35.34	18.34	33.93	22.88	32.84	27.42	31.92	31.95	31.11	36.49	30.38	41.03	29.71	45.57	29.08	50.11
		1250	38.72	19.93	37.30	24.87	36.21	29.80	35.29	34.73	34.48	39.67	33.75	44.60	33.08	49.53	32.45	54.47
		1400	43.77	22.33	42.35	27.85	41.26	33.38	40.35	38.90	39.54	44.43	38.81	49.95	38.14	55.48	37.51	61.00
		1500	47.14	23.92	45.72	29.84	44.64	35.76	43.72	41.68	42.91	47.60	42.18	53.52	41.51	59.44	40.88	65.36
BK8024S	200 (8")	800	40.55	19.47	38.59	24.83	37.09	30.18	35.82	35.54	34.70	40.90	33.69	46.25				
		850	43.39	20.69	41.42	26.38	39.92	32.07	38.65	37.76	37.53	43.45	36.52	49.14				
		900	46.22	21.90	44.25	27.93	42.75	33.96	41.48	39.98	40.36	46.01	39.35	52.03				
		1000	51.88	24.34	49.92	31.03	48.41	37.73	47.14	44.42	46.02	51.12	45.01	57.82				
		1050	55.86	25.99	53.96	33.14	52.50	40.29	51.26	47.44	50.18	54.59	49.20	61.75				
		1150	58.61	27.17	56.71	34.65	55.24	42.12	54.01	49.60	52.93	57.08	51.95	64.55				
		1250	64.11	29.53	62.20	37.66	60.74	45.79	59.51	53.91	58.42	62.04	57.44	70.16				
		1400	72.35	33.08	70.45	42.18	68.99	51.28	67.75	60.38	66.67	69.48	65.69	78.58				
BK9020S	200 (8")	1000	51.88	24.34	49.92	31.03	48.41	37.73	47.14	44.42	46.02	51.12	45.01	57.82	43.60	65.83	42.58	72.66
		1050	54.71	25.55	52.75	32.58	51.24	39.61	49.97	46.65	48.85	53.68	47.84	60.71	46.91	67.74	46.05	74.77
		1150	60.37	27.99	58.41	35.69	56.90	43.39	55.63	51.09	54.51	58.79	53.50	66.49	52.57	74.19	51.71	81.89
		1250	66.03	30.42	64.07	38.79	62.56	47.16	61.29	55.53	60.18	63.90	59.17	72.27	58.24	80.64	57.37	89.01
		1400	74.52	34.07	72.56	43.44	71.06	52.82	69.79	62.19	68.67	71.57	67.66	80.94	66.73	90.32	65.86	99.69
		1500	80.18	36.50	78.22	45.38	76.72	56.59	75.45	66.64	74.33	76.68	73.32	86.72	72.39	96.77	71.52	106.8
BK9030S	250 (10")	850	63.04	31.99	60.19	40.17	58.00	48.36	56.16	56.54	54.53	64.73	53.06	72.91				
		1000	75.38	37.63	72.53	47.26	70.34	56.89	68.50	66.52	66.87	76.15	65.40	85.78	64.05	95.41	62.80	105.0
		1150	87.72	43.27	84.87	54.35	82.68	65.42	80.84	76.50	79.21	87.57	77.74	98.65	76.39	109.7	75.14	120.8
		1250	95.95	47.04	93.09	59.08	90.91	71.11	89.06	83.15	87.44	95.19	85.97	107.2	84.62	119.3	83.36	131.3
		1400	108.3	52.68	105.4	66.16	103.2	79.65	101.4	93.13	99.78	106.6	98.31	117.6	96.96	133.6	95.70	147.1
		1500	116.5	56.45	113.7	70.89	111.5	85.34	109.6	99.78	108.0	114.2	106.5	128.7	105.2	143.1	103.9	157.6
BK10027S	300 (12")	850	73.94	40.13	70.86	49.65	68.50	59.18	66.51	68.71	64.75	78.24	63.16	87.76				
		1000	88.31	47.21	85.22	58.42	82.86	69.63	80.87	80.83	79.11	92.04	77.52	103.3				
		1150	102.7	54.29	99.59	67.18	97.22	80.07	95.23	92.96	93.47	105.8	91.89	118.7	90.43	131.6	89.07	144.5
		1250	112.2	59.01	109.2	73.02	106.8	87.03	104.8	101.0	103.0	115.1	101.5	129.1	100.0	143.1	98.64	157.1
		1400	126.6	66.09	123.5	81.78	121.2	97.48	119.2	113.2	117.4	128.9	115.8	144.6	114.4	160.2	113.0	175.9
		1500	136.2	70.81	133.1	87.63	130.7	104.4	128.7	121.3	127.0	138.1	125.4	154.9	123.9	171.7		
BK10034S	350 (14")	700	85.64	44.77	81.59	55.94	78.48	67.11	75.86	78.28	73.55	89.45	71.47	100.6				
		850	106.1	54.36	102.0	67.93	98.92	81.49	96.31	95.05	94.00	108.6	91.91	122.2				
		1000	126.5	63.96	122.5	79.91	119.4	95.87	116.8	111.8	114.4	127.8	112.4	143.7	110.4	159.7	108.7	175.7
		1150	147.0	73.55	142.9	91.90	139.8	110.2	137.2	128.6	134.9	146.9	132.8	165.3	130.9	183.6	129.1	202.0
		1250	160.6	79.95	156.6	99.89	153.4	119.8	150.8	139.8	148.5	159.7	146.4	179.7	144.5	199.6	142.7	219.6
		1400	181.0	89.54	177.0	111.9	173.9	134.2	171.3	156.6	169.0	178.9	166.9	201.2	165.0	223.6	163.2	245.9





Outline Dimension Sheet

Unit:mm

Type	Port Dia	Motor power	A	B	C	D	E	F	G	H	K	M	N	O	P	Q	4-M16×h	Weight (kg)
BK4005	40(1.5")	1.5~4	700	590	90	90	456	194	215	827	129	300	370	95	130	18	4-M16×300	65
BK4007	50(2")	1.5~5.5	820	640	90	90	457	185	236	872	151	370	440	105	130	18	4-M16×300	92
BK5003	65(2.5")	5.5~7.5	1190	940	90	200	532	172	200	1072	133	346	410	115	190	18	4-M16×300	171
		474										538						
BK5006	100(4")	5.5~7.5	1220	980	90	228	592	199	234	1216	170	369	433	150	230	18	4-M16×300	204
		11~15										489	553					
		18.5~22										534	598					
BK5009	100(4")	5.5~7.5	1255	984	110	192	608	204	272	1225	163	325	409	150	230	18	4-M16×300	239
		11~15										428	512					
		18.5~22										473	557					
BK6005	80(3")	5.5~7.5	1330	1054	100	221	598	179	237	1162	161	332	406	135	200	18	4-M16×300	241
		11~15										458	532					
		18.5~22										493	567					
BK6008	125(5")	5.5~7.5	1335	1084	110	222	688	206	297	1375	150	300	385	165	250	18	4-M16×400	290
		11~15										410	495					
		18.5~22										455	540					
		30										495	580					
BK6015	150(6")	37~45	1340	1064	113	222	748	232	364	1460	238	560	645	180	280	24	4-M16×400	380
		11~22										476	573					
		30										539	636					
BK7006	100(4")	11~15	1495	1214	113	282	725	205	254	1432	198	489	563	150	230	18	4-M16×400	385
		18.5~22										534	608					
		30										574	648					
		37~45										636	710					
BK7011	150(6")	11~15	1495	1200	123	271	829	232	324	1484	190	443	536	180	280	24	4-M16×400	477
		18.5~22										457	550					
		30										497	590					
		37~45										559	652					
BK7018	200(8")	11~45	1550	1250	125	271	894	266	413	1660	279	558	647	190	350	24	4-M16×400	564
		55										628	717					
BK8016S	150(6")	30~90	1658	1390	105	283	962	332	413	1862	217	670	780	180	280	24	4-M16×400	730
BK8024S	200(8")	22~90	1750	1490	105	345	1010	284	452	1890	334	780	875	190	350	24	4-M16×400	800
BK9020S	200(8")	30~132															4-M16×400	
BK9030S	250(10")	37~90	2140	1840	105	385	1056	294	544	2118	344	808	918	230	360	38	4-M16×400	1300
		110~220										960	1070					
BK10027S	300(12")	37~90	2070	1750	105	375	1144	289	587	2274	334	860	970	245	380	38	4-M16×400	1600
		110~220	2210	1890														
BK10034S	350(14")	75~315	2255	1940	105	455	1268	344	642	2347	432	990	1100	260	440	38	4-M16×400	1900

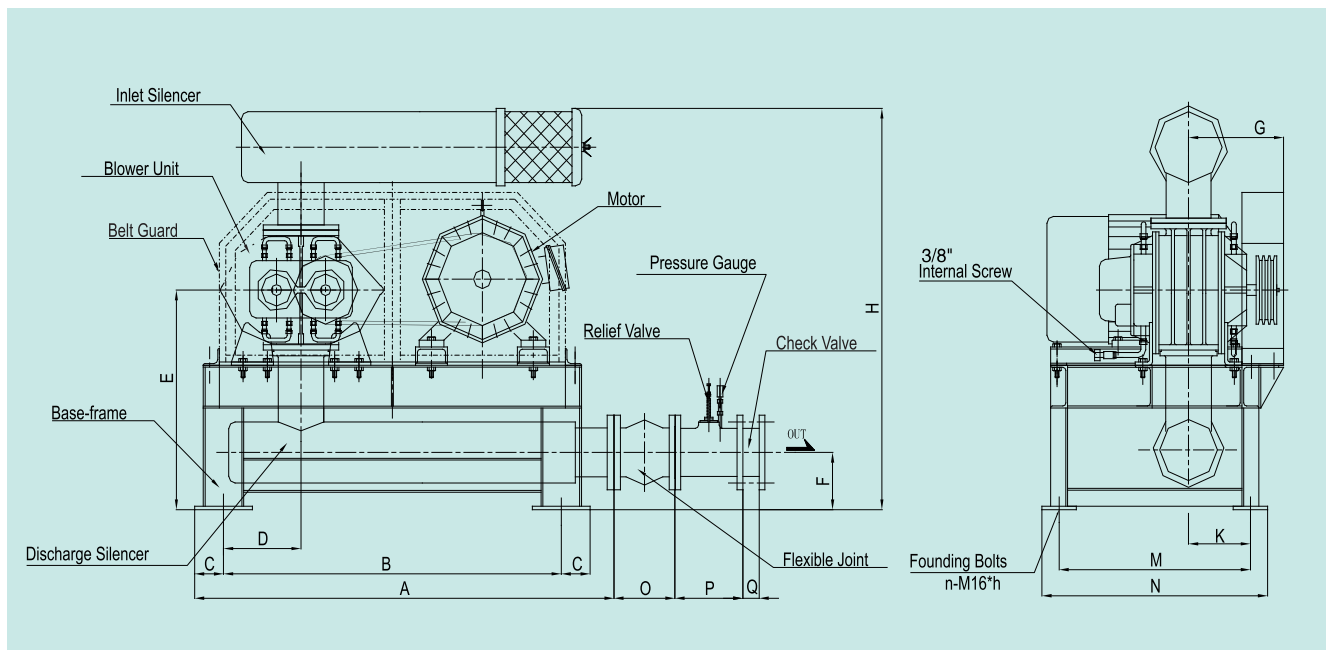
●Dimension for BK12034 and BK12042 will be supplied specially.

●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.

Type	Port Dia (mm)	Speed rpm	Inlet airflow(m <sup>3</sup> /min) and shaft power(KW) at different conditions										Cooling water L/min
			0.6kgf/cm <sup>2</sup> 6000mmH <sub>2</sub> O		0.7kgf/cm <sup>2</sup> 7000mmH <sub>2</sub> O		0.8kgf/cm <sup>2</sup> 8000mmH <sub>2</sub> O		0.9kgf/cm <sup>2</sup> 9000mmH <sub>2</sub> O		1.0kgf/cm <sup>2</sup> 10000mmH <sub>2</sub> O		
			0.06Mpa		0.07Mpa		0.08Mpa		0.09Mpa		0.1Mpa		
			m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	
BKW4005	40(1.5 ")	1650	0.47	1.70	0.37	1.86							3
		1800	0.62	1.85	0.52	2.02	0.44	2.20					
		1900	0.71	1.95	0.62	2.14	0.53	2.32	0.45	2.50	0.38	2.69	
		2150	0.96	2.21	0.87	2.42	0.78	2.63	0.70	2.83	0.62	3.04	
		2300	1.11	2.36	1.02	2.59	0.93	2.81	0.85	3.03	0.77	3.25	
BKW4007	50(2 ")	1650	1.05	2.34	0.94	2.58							3
		1750	1.20	2.48	1.09	2.73	0.99	2.99	0.89	3.24	0.80	3.49	
		1850	1.35	2.62	1.24	2.89	1.13	3.16	1.04	3.42	0.94	3.69	
		1950	1.50	2.76	1.39	3.05	1.28	3.33	1.18	3.61	1.09	3.89	
		2100	1.72	2.98	1.61	3.28	1.50	3.58	1.41	3.89	1.31	4.19	
		2200	1.87	3.12	1.76	3.44	1.65	3.75	1.55	4.07	1.46	4.39	
BKW5003	65(2.5 ")	1000	2.31	4.59	2.18	5.45							4
		1150	2.89	5.28	2.76	6.27	2.65	7.07	2.53	7.87			
		1250	3.28	5.74	3.15	6.81	3.04	7.68	2.92	8.55			
		1350	3.67	6.19	3.54	7.36	3.43	8.30	3.31	9.24			
		1500	4.26	6.88	4.13	8.17	4.01	9.22	3.90	10.26	3.79	11.30	
		1600	4.65	7.34	4.52	8.72	4.40	9.83	4.29	10.95	4.18	12.06	
		1750	5.23	8.03	5.10	9.54	4.99	10.75	4.87	11.97	4.77	13.19	
		1850	5.62	8.49	5.50	10.08	5.38	11.37	5.27	12.66	5.16	13.94	
		2000	6.21	9.18	6.08	10.90	5.96	12.29	5.85	13.68	5.75	15.07	
BKW5006	100(4 ")	850	3.18	6.31	2.98	7.12							6
		1000	4.16	7.43	3.97	8.38	3.80	9.50	3.62	10.62			
		1150	5.15	8.54	4.95	9.64	4.78	10.92	4.60	12.21			
		1250	5.80	9.28	5.61	10.48	5.43	11.87	5.26	13.27			
		1350	6.46	10.03	6.26	11.31	6.09	12.82	5.91	14.33	5.76	15.84	
		1500	7.44	11.14	7.24	12.57	7.07	14.25	6.90	15.93	6.75	17.60	
		1600	8.10	11.88	7.90	13.41	7.73	15.20	7.55	16.99	7.40	18.78	
		1750	9.08	13.00	8.88	14.67	8.71	16.62	8.54	18.58	8.39	20.54	
		1850	9.74	13.74	9.54	15.50	9.37	17.57	9.19	19.64	9.04	21.71	
BKW6005	80(3 ")	2000	10.72	14.85	10.52	16.76	10.35	19.00	10.18	21.23	10.02	23.47	5
		850	3.54	7.13	3.34	8.04							
		1000	4.60	8.39	4.40	9.45	4.22	10.73	4.04	12.00			
		1150	5.67	9.65	5.46	10.87	5.29	12.33	5.10	13.80			
		1250	6.38	10.49	6.17	11.82	5.99	13.41	5.81	15.00	5.65	16.59	
		1400	7.44	11.74	7.23	13.24	7.06	15.02	6.87	16.80	6.72	18.58	
		1500	8.15	12.58	7.94	14.18	7.76	16.09	7.58	18.00	7.42	19.90	
		1650	9.21	13.84	9.00	15.60	8.83	17.70	8.64	19.79	8.49	21.89	
BKW6008	125(5 ")	1800	10.27	15.10	10.07	17.02	9.89	19.31	9.71	21.59	9.55	23.88	8
		850	6.49	11.21	6.19	12.59							
		1000	8.28	13.19	7.98	14.81	7.72	16.85	7.45	18.88			
		1150	10.07	15.17	9.77	17.03	9.51	19.37	9.25	21.72	9.01	24.06	
		1250	11.26	16.49	10.97	18.51	10.70	21.06	10.44	23.60	10.20	26.15	
		1400	13.06	18.46	12.76	20.73	12.49	23.59	12.23	26.44	11.99	29.29	
		1500	14.25	19.78	13.95	22.22	13.69	25.27	13.43	28.33	13.19	31.38	
		1650	16.04	21.76	15.74	24.44	15.48	27.80	15.22	31.16	14.98	34.52	
BKW7006	100(4 ")	1800	17.83	23.74	17.54	26.66	17.27	30.32					6
		700	5.01	9.74	4.74	11.29	4.50	12.83	4.27	13.29			
		850	6.79	11.83	6.52	13.70	6.28	15.58	6.04	16.13	5.83	17.98	
		1000	8.57	13.92	8.30	16.12	8.06	18.33	7.82	18.98	7.61	21.16	
		1150	10.35	16.01	10.07	18.54	9.84	21.08	9.60	21.83	9.39	24.33	
		1250	11.53	17.40	11.26	20.15	11.02	22.91	10.79	23.72	10.57	26.45	
		1400	13.31	19.49	13.04	22.57	12.80	25.66	12.56	26.57	12.35	29.62	
1500	14.50	20.88	14.22	24.18	13.99	27.49	13.75	28.47	13.54	31.74			

Type	Port Dia (mm)	Speed rpm	Inlet airflow(m <sup>3</sup> /min) and shaft power(KW) at different conditions										Cooling water L/min
			0.6kgf/cm <sup>2</sup> 6000mmH <sub>2</sub> O		0.7kgf/cm <sup>2</sup> 7000mmH <sub>2</sub> O		0.8kgf/cm <sup>2</sup> 8000mmH <sub>2</sub> O		0.9kgf/cm <sup>2</sup> 9000mmH <sub>2</sub> O		1.0kgf/cm <sup>2</sup> 10000mmH <sub>2</sub> O		
			0.06Mpa		0.07Mpa		0.08Mpa		0.09Mpa		0.1Mpa		
			m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	
BKW7011	150(6 ")	700	10.14	17.48	9.72	18.62							10
		850	13.40	21.22	12.99	22.60	12.62	25.76	12.27	29.04	11.92	32.20	
		1000	16.66	24.96	16.25	26.59	15.88	30.30	15.53	34.17	15.18	37.88	
		1150	19.92	28.71	19.51	30.58	19.14	34.85	18.79	39.29	18.44	43.56	
		1250	22.10	31.21	21.69	33.24	21.32	37.88	20.97	42.71	20.62	47.35	
		1400	25.36	34.95	24.95	37.23	24.58	42.42	24.23	47.84	23.88	53.03	
		1500	27.54	37.45	27.12	39.89	26.75	45.45	26.41	51.25	26.06	56.82	
BKW8016S	150(6 ")	850	20.27	30.33	19.59	33.68							10
		1000	25.32	35.68	24.65	39.63	24.02	43.57	23.44	47.52	22.88	51.47	
		1150	30.38	41.03	29.71	45.57	29.08	50.11	28.49	54.65	27.94	59.19	
		1250	33.75	44.60	33.08	49.53	32.45	54.47	31.87	59.40	31.31	64.33	
		1400	38.81	49.95	38.14	55.48	37.51	61.00	36.92	66.53	36.37	72.05	
		1500	42.18	53.52	41.51	59.44	40.88	65.36	40.29	71.28	39.74	77.20	
BKW8024S	200(8 ")	800	33.69	46.25	32.76	51.61	31.89	56.97					15
		850	36.52	49.14	35.59	54.84	34.72	60.53					
		900	39.35	52.03	38.42	58.06	37.56	64.09					
		1000	45.01	57.82	44.08	64.51	43.22	71.21					
		1100	50.67	63.60	49.74	70.96	48.88	78.33					
BKW9020S	200(8 ")	1000	44.70	59.00	43.60	65.83	42.58	72.66	41.62	79.49	40.72	86.33	15
		1050	47.61	61.95	46.52	69.12	45.50	76.29	44.54	83.47	43.64	90.64	
		1150	53.50	66.49	52.57	74.19	51.71	81.89	50.90	89.59	50.13	97.29	
		1250	59.17	72.27	58.24	80.64	57.37	89.01	56.56	97.38	55.79	105.7	
		1400	67.66	80.94	66.73	90.32	65.86	99.69	65.05	109.1	64.28	118.4	
		1500	73.32	86.72	72.39	96.77	71.52	106.8	70.71	116.9	69.94	126.9	
BKW9030S	250(10 ")	850	53.06	72.91	51.71	81.10	50.46	89.29					20
		1000	65.40	85.78	64.05	95.41	62.80	105.0	61.61	114.7	60.50	124.3	
		1150	77.74	98.65	76.39	109.7	75.14	120.8	73.95	131.9	72.84	142.9	
		1250	85.97	107.2	84.62	119.3	83.36	131.3	82.18	143.3	81.06	155.4	
		1400	98.31	120.1	96.96	133.6	95.70	147.1	94.52	160.5	93.40	174.0	
		1500	106.5	128.7	105.2	143.1	103.9	157.6	102.7	172.0			
BKW10027S	300(12 ")	850	63.16	87.76	61.70	97.29	60.34	106.8					25
		1000	77.52	103.3	76.06	114.5	74.71	125.7	73.43	136.9	72.22	148.1	
		1150	91.89	118.7	90.43	131.6	89.07	144.5	87.79	157.4	86.58	170.3	
		1250	101.5	129.1	100.0	143.1	98.64	157.1	97.37	171.1	96.16	185.1	
		1400	115.8	144.6	114.4	160.2	113.0	175.9	111.7	191.6	110.5	207.3	
		1500	125.4	154.9	123.9	171.7	122.6	188.5	121.3	205.3			
BKW10034S	350(14 ")	700	71.47	100.6	69.55	111.8	67.76	123.0					25
		850	91.91	122.2	89.99	135.7	88.21	149.3	86.53	162.9	84.95	176.4	
		1000	112.4	143.7	110.4	159.7	108.7	175.7	107.0	191.6	105.4	207.6	
		1150	132.8	165.3	130.9	183.6	129.1	202.0	127.4	220.3	125.8	238.7	
		1250	146.4	179.7	144.5	199.6	142.7	219.6	141.1	239.5	139.5	259.5	
		1400	166.9	201.2	165.0	223.6	163.2	245.9	161.5	268.2	159.9	290.6	



Outline Dimension Sheet

Unit:mm

Type	Port Dia	Motor power	A	B	C	D	E	F	G	H	K	M	N	O	P	Q	n-M16×h	Weight (kg)
BKW4005	40(1.5")	1.5~4	700	590	90	90	456	194	215	827	129	300	370	95	130	18	4-M16×300	65
BKW4007	50(2")	1.5~5.5	820	640	90	90	457	185	236	872	151	370	440	105	130	18	4-M16×300	92
BKW5003	65(2.5")	5.5~7.5	1190	940	90	200	532	172	200	1072	133	346	410	115	190	18	4-M16×300	181
		11~15										474	538					
BKW5006	100(4")	5.5~7.5	1220	980	90	228	592	199	234	1216	170	369	433	150	230	18	4-M16×300	214
		11~15										489	553					
		18.5~130										534	598					
BKW6005	80(3")	5.5~7.5	1330	1054	100	221	598	179	237	1162	161	332	406	135	200	18	4-M16×300	256
		11~15										458	532					
		18.5~22										493	567					
BKW6008	125(5")	5.5~7.5	1335	1084	110	222	688	206	297	1375	150	300	385	165	250	18	4-M16×400	305
		11~15										410	495					
		18.5~22										455	540					
		30										495	580					
		37~45										560	645					
BKW7006	100(4")	11~15	1495	1214	113	282	725	205	254	1432	198	489	563	150	230	18	4-M16×400	400
		18.5~22										534	608					
		30										574	648					
		37~45										636	710					
BKW7011	150(6")	11~15	1495	1200	123	271	829	232	324	1484	190	443	536	180	280	24	4-M16×400	492
		18.5~22										457	550					
		30										497	590					
		37~45										559	652					
BKW8016S	150(6")	30-90	1658	1390	105	283	962	332	413	1862	217	670	780	180	280	24	4-M16×400	730
BKW8024S	200(8")	22~90	1750	1490	105	345	1010	284	452	1890	334	780	875	190	350	24	4-M16×400	800
BKW9020S	200(8")	30~132															4-M16×400	
BKW9030S	250(10")	37~90	2140	1840	105	385	1056	294	544	2118	344	808	918	230	360	38	4-M16×400	1300
		110~220										960	1070					
BKW10027S	300(12")	37~90	2070	1750	105	375	1144	289	587	2274	334	860	970	245	380	38	4-M16×400	1600
		110~220	2210	1890								960	1070					
BKW10034S	350(14")	75~315	2255	1940	105	455	1268	344	642	2347	432	990	1100	260	440	38	4-M16×400	1900

- Standard accessory include: Inlet and outlet silencer, pressure gauge, 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.
- Dimension for blower, which is equipped with high voltage motor, will be supplied specially.

Type	Suited Blower	Port Dia (mm)	Inlet airflow(m <sup>3</sup> /min) and shaft power(KW) at different conditions										
			Speed		1.0kgf/cm <sup>2</sup>		1.2kgf/cm <sup>2</sup>		1.4kgf/cm <sup>2</sup>		1.5kgf/cm <sup>2</sup>		Cooling water
					10000mmH <sub>2</sub> O		12000mmH <sub>2</sub> O		14000mmH <sub>2</sub> O		15000mmH <sub>2</sub> O		
			rpm		0.098Mpa		0.118Mpa		0.137Mpa		0.147Mpa		
			I	II	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	m <sup>3</sup> /min	KW	L/min
BKD-1000	BKW5006 + BKW5003	65 (2.5 ")	850	1050	3.52	10.18	3.35	11.53	3.21	12.74	3.16	13.54	32
			1000	1200	4.49	11.80	4.32	13.37	4.17	14.76	4.13	15.68	
			1150	1350	5.45	13.42	5.28	15.20	5.14	16.78	5.09	17.83	
			1250	1450	6.10	14.50	5.93	16.42	5.78	18.13	5.74	19.26	
			1350	1550	6.74	15.58	6.57	17.64	6.42	19.47	6.38	20.69	
			1500	1700	7.71	17.20	7.54	19.48	7.39	21.50	7.34	22.83	
			1600	1800	8.35	18.28	8.18	20.70	8.03	22.84	7.99	24.26	
BKD-2000	BKW6008 + BKW6005	80 (3 ")	850	850	6.42	16.43	6.11	18.33	5.84	20.73	5.76	22.04	40
			1000	1000	8.17	19.33	7.87	21.57	7.60	24.39	7.52	25.92	
			1150	1150	9.93	22.22	9.63	24.80	9.36	28.05	9.28	29.81	
			1250	1250	11.11	24.16	10.80	26.96	10.53	30.49	10.45	32.40	
			1400	1400	12.87	27.06	12.56	30.19	12.29	34.14	12.21	36.29	
			1500	1500	14.04	28.99	13.73	32.35	13.46	36.58	13.38	38.89	
BKD-3000	BKW7011 + BKW7006	100 (4 ")	850	1000	14.03	30.21	13.67	34.42	13.35	38.17	13.26	40.59	50
			1000	1150	17.23	35.16	16.87	40.05	16.55	44.40	16.47	47.21	
			1150	1300	20.44	40.11	20.07	45.68	19.75	50.64	19.67	53.83	
			1250	1400	22.57	43.40	22.21	49.43	21.89	54.80	21.80	58.24	
			1400	1550	25.78	48.35	25.41	55.06	25.09	61.04	25.01	64.86	
			1500	1650	27.91	51.65	27.55	58.82	27.23	65.19	27.14	69.27	
BKD-4000	BKW8016 + BKW7011	150 (6 ")	850	850	21.07	49.28	20.05	55.99	19.62	61.95	19.10	62.93	70
			1000	1000	26.34	57.98	25.32	65.87	24.90	72.88	24.37	74.03	
			1150	1150	31.62	66.68	30.60	75.75	30.17	83.81	29.65	85.14	
			1250	1250	35.13	72.48	34.11	82.33	33.69	91.10	33.16	92.54	
			1400	1400	40.41	81.17	39.39	92.21	38.97	102.0	38.44	103.6	
BKD-5000	BKW8024 + BKW8016	200 (8 ")	850	850	32.23	77.31	30.76	87.89	30.07	93.06	29.44	94.45	90
			1000	1000	40.15	90.96	38.67	103.4	37.98	109.5	37.35	111.1	
			1150	1150	48.06	104.6	46.58	118.9	45.90	125.9	45.26	127.8	
			1250	1250	53.34	113.7	51.86	129.2	51.17	136.9	50.54	138.9	
			1400	1400	61.25	127.3	59.77	144.8	59.09	153.3	58.45	155.6	
BKD-6000	BKW9030 + BKW9020	250 (10 ")	850	850	55.17	124.3	53.00	141.8	51.95	150.6	51.00	153.0	120
			1000	1000	68.20	146.2	66.03	166.8	64.98	177.2	64.03	180.0	
			1150	1150	81.23	168.2	79.06	191.9	78.02	203.7	77.06	207.0	
			1250	1250	89.92	182.8	87.75	208.6	86.70	221.5	85.75	225.0	
			1400	1400	103.0	204.7	100.8	233.6	99.74	248.0	98.78	252.0	
BKD-7000	BKW10034 + BKW10027	300 (12 ")	850	850	79.99	175.2	77.20	199.3	75.87	220.6	74.77	232.6	160
			1000	1000	98.20	206.1	95.41	234.5	94.07	259.5	92.98	273.6	
			1100	1100	110.3	226.7	107.5	257.9	106.2	285.4	105.1	301.0	
			1250	1250	128.5	257.6	125.8	293.1	124.4	324.3	123.3	342.0	
			1400	1400	146.8	288.5	144.0	328.3	142.6	363.3	141.5	383.1	

●Middle cooler is adopted between first stage and second stage blower, the temperature of inlet at second stage is controlled at about 45°C.

# Multi-function BDFZ-L Type Enclosure

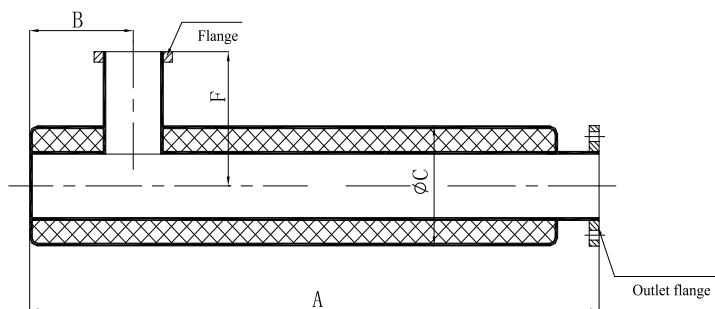


## Main Characteristics

Using steel and sponge for sound insulation, and with sound absorbing material embedded in it, and can reduce noise effectively. There are four doors, and each side can open thoroughly, which is convenient for daily maintenance. Adopting detachable structure, which is easy for transport. Compact structure for less floor space.

Special Accessory

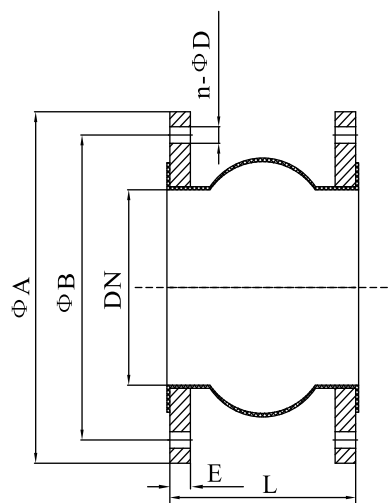
## Discharge Silencer (vertical airflow)



Unit: mm

Blower Application Type	Port Dia	A	B	C	F
BK/BKW4005	40	650	100	140	170
BK/BKW4007	50	650	100	140	170
BK/BKW5003	65	1110	200	160	188
BK/BKW5006	100	1110	200	219	194
BK5009	100	1150	200	219	220
BK/BKW6005	80	1200	200	160	193
BK/BKW6008	125	1200	200	219	233
BK6015	150	1200	200	285	245
BK/BKW7006	100	1300	200	219	226
BK/BKW7011	150	1300	200	285	290
BK7018	200	1300	200	345	319
BK/BKW8016S	150	1670	200	345	400
BK/BKW8024S	200	1550	250	400	490
BK/BKW9020S	200	1550	250	400	490
BK/BKW9030S	250	1970	320	400	495
BK/BKW10027S	300	1940	350	450	560
BK/BKW10034S	350	2050	355	500	580

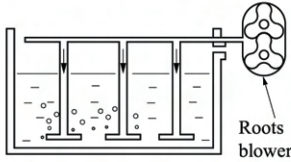
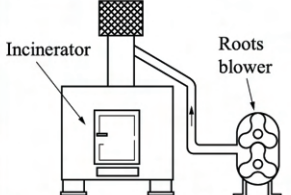
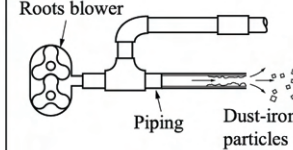
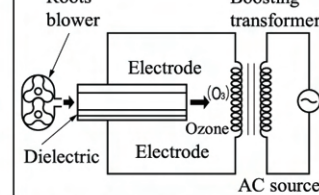
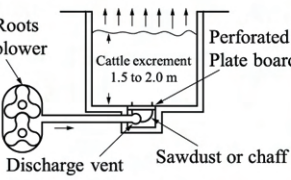
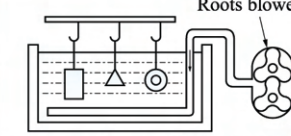
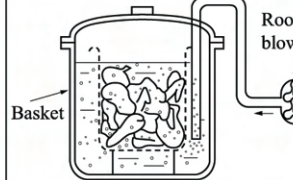
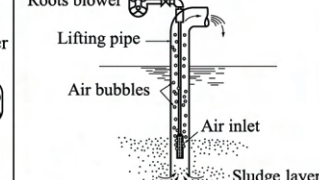
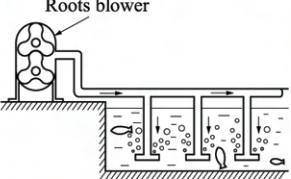
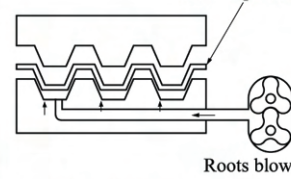
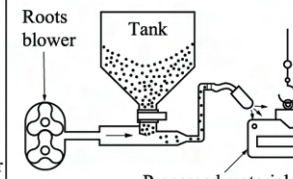
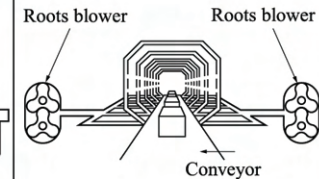
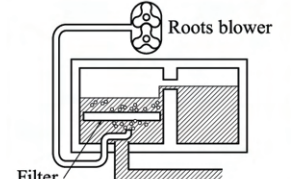
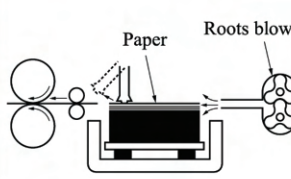
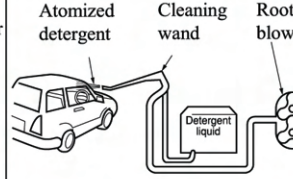
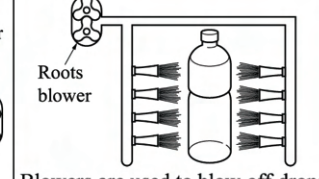
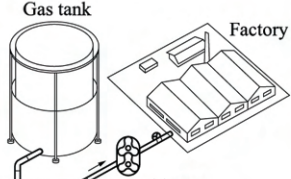
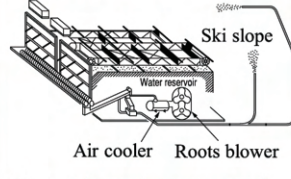
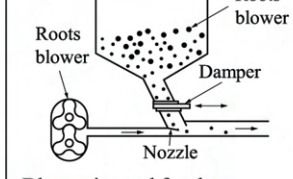
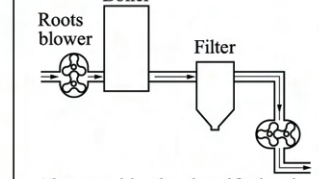
## Flexible Joint



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

## 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>



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