

Tideway

Tideway Roots Blower series are modern compact blowers developed based on year of experiences and researching. The new 3-lobe roots blowers, are known as Rotary Blowers, or can be used as vacuum pump. The state of the art design enables blower package to perform high efficiency at substantial low noise and vibration. The high energy effective and low noise performance are the most environment friendly blower, they are developed along the growth of the demand of modern world.

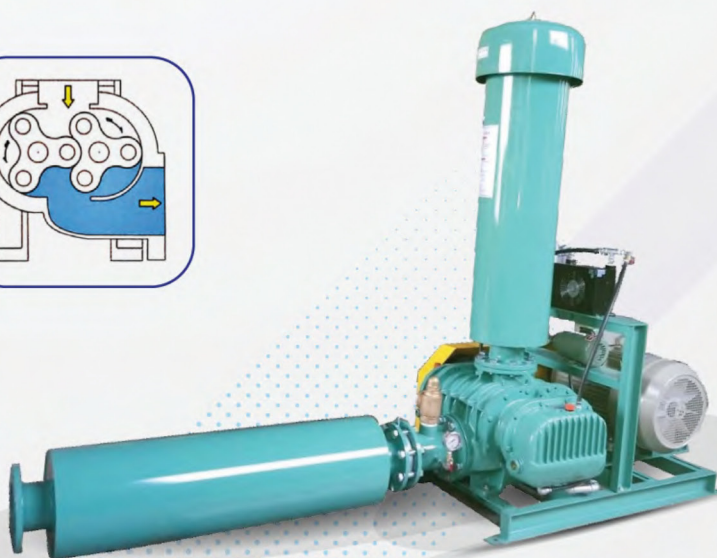
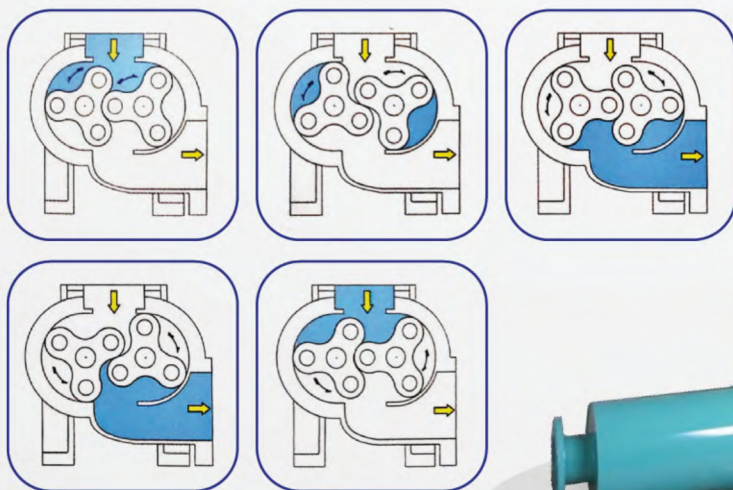
Tideway Roots Blower do not require lubrication in the interior compression air chamber, thus eliminating possible pollution and contamination to the conveying medium. Hence, it can be used on very delicate job such as clean air transportation, water aeration, powder conveying, dehumidifying, mixing etc.

PERFORMANCE RANGES

Orifice Diameter	: 40-300 mm (1.5"-12")
Air Flow	: 0.11-165.0 m ³ / min (3.9-5825.0 CFM)
Pressure	: 1000-8000 mmAq (1.47-11.76 PSI)
Axial Power Consumption	: 0.27-233.0 kW (0.4-310 HP)

FEATURES:

- Delivers complete oil-free air.
- Low oscillation and low noise.
- Small airflow variation along the pressure variation.
- Superior energy efficiency due to outstanding lobe profile.
- Simple structure contributes least trouble and maintenance.
- Uses high quality timing gears, precisely grounded and hardened guarantee smooth motion, low friction and low noise of the gear operation.
- Rotors are machines and profiled by precision CNC Double Colum Shaper, the rotors profile are uniform with least tolerance.
- Non-contact Labyrinth Seals are used on main drive shaft of bigger models over 5", which can reduce shaft friction and heat generation, high quality seals are incorporated to ensure high air-tight ability on chamber and oil leaking can be prevented.



PERFORMANCE TABLE

Model : TWS-40, TWS-50, TWS-60, TWS-80

Model	RPM	Positive Displacement Performance															
		1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	kW	Qs	kW	Qs	kW	Qs	kW	Qs	kW	Qs	kW	Qs	kW	Qs	kW
TWS-40	850	0.74	0.27	0.59	0.53	0.48	0.82	0.37	1.00	0.28	1.21	0.22	1.42	0.16	1.61	0.11	1.81
	950	0.90	0.30	0.75	0.59	0.64	0.85	0.53	1.11	0.44	1.34	0.38	1.58	0.32	1.81	0.27	2.02
	1050	1.06	0.33	0.91	0.65	0.79	0.94	0.70	1.22	0.61	1.50	0.53	1.75	0.48	2.00	0.42	2.23
	1150	1.22	0.37	1.08	0.71	0.96	1.03	0.86	1.40	0.76	1.64	0.70	1.92	0.64	2.19	0.59	2.45
	1250	1.38	0.40	1.24	0.77	1.12	1.12	1.02	1.46	0.92	1.78	0.86	2.09	0.80	2.39	0.75	2.55
	1350	1.54	0.43	1.34	0.83	1.28	1.21	1.18	1.58	1.09	1.93	1.02	2.26	0.97	2.56	0.91	2.66
	1450	1.70	0.46	1.56	0.89	1.45	1.30	1.34	1.69	1.25	2.06	1.18	2.42	1.12	2.76	1.08	2.76
	1550	1.86	0.49	1.72	0.95	1.61	1.39	1.50	1.81	1.41	2.21	1.34	2.59	1.28	2.95	1.24	3.08
	1650	2.02	0.52	1.88	1.01	1.77	1.48	1.66	1.98	1.57	2.35	1.51	2.75	1.45	3.14	1.40	3.40
	1750	2.19	0.56	2.04	1.08	1.93	1.57	1.82	2.05	1.73	2.49	1.66	2.92	1.60	3.33	1.56	3.78
	1850	2.35	0.59	2.20	1.14	2.09	1.66	1.98	2.17	1.88	2.63	1.82	3.09	1.76	3.52	1.72	4.04
	1950	2.51	0.62	2.36	1.20	2.25	1.75	2.14	2.29	2.04	2.77	1.97	3.26	1.91	3.70	1.87	4.37
TWS-50	850	1.23	0.45	0.98	0.88	0.80	1.37	0.62	1.66	0.47	2.02	0.36	2.36	0.26	2.69	0.18	3.01
	950	1.50	0.50	1.25	0.98	1.06	1.42	0.89	1.85	0.74	2.24	0.63	2.64	0.53	3.01	0.45	3.37
	1050	1.76	0.55	1.52	1.08	1.32	1.57	1.16	2.04	1.01	2.50	0.89	2.92	0.80	3.33	0.71	3.72
	1150	2.03	0.61	1.80	1.18	1.60	1.72	1.43	2.34	1.27	2.74	1.16	3.20	1.07	3.65	0.98	4.08
	1250	2.30	0.66	2.07	1.28	1.87	1.87	1.70	2.43	1.54	2.97	1.43	3.48	1.34	3.97	1.25	4.25
	1350	2.56	0.72	2.24	1.38	2.14	2.02	1.97	2.63	1.81	3.21	1.70	3.76	1.61	4.27	1.52	4.43
	1450	2.83	0.77	2.60	1.49	2.41	2.17	2.23	2.82	2.08	3.44	1.97	4.03	1.87	4.60	1.80	4.60
	1550	3.10	0.82	2.87	1.59	2.68	2.32	2.50	3.02	2.35	3.68	2.24	4.31	2.14	4.92	2.07	5.13
	1650	3.37	0.87	3.14	1.69	2.95	2.47	2.77	3.22	2.62	3.92	2.51	4.59	2.41	5.24	2.34	5.66
	1750	3.65	0.93	3.40	1.80	3.21	2.62	3.03	3.42	2.88	4.15	2.77	4.87	2.67	5.55	2.60	6.30
	1850	3.92	0.98	3.67	1.90	3.48	2.77	3.30	3.62	3.14	4.38	3.03	5.15	2.93	5.86	2.86	6.74
	1950	4.19	1.03	3.94	2.00	3.75	2.92	3.57	3.82	3.40	4.61	3.29	5.43	3.19	6.17	3.12	7.28
TWS-65	850	2.07	0.62	1.89	1.21	1.71	1.76	1.55	2.29	1.41	2.78	1.29	3.26	1.19	3.71	1.09	4.15
	950	2.41	0.83	2.23	1.35	2.05	1.96	1.89	2.55	1.74	3.11	1.63	3.64	1.53	4.15	1.43	4.64
	1050	2.76	1.20	2.58	1.49	2.40	2.16	2.23	2.82	2.09	3.44	1.98	4.02	1.87	4.57	1.77	5.13
	1150	3.10	1.35	2.93	1.64	2.74	2.38	2.58	3.09	2.45	3.77	2.33	4.41	2.22	5.03	2.12	5.62
	1250	3.41	1.50	3.27	1.78	3.08	2.59	2.92	3.36	2.79	4.09	2.67	4.79	2.56	5.46	2.46	6.10
	1350	3.77	1.60	3.61	1.92	3.42	2.80	3.26	3.63	3.13	4.42	3.01	5.17	2.91	5.90	2.80	6.59
	1450	4.13	1.70	3.96	2.06	3.77	3.01	3.62	3.90	3.48	4.75	3.36	5.56	3.26	6.34	3.15	7.08
	1550	4.48	1.80	4.30	2.20	4.11	3.21	3.96	4.17	3.82	5.07	3.70	5.94	3.60	6.77	3.49	7.56
	1650	4.82	1.90	4.65	2.34	4.45	3.42	4.30	4.44	4.16	5.40	4.04	6.32	3.94	7.20	3.84	8.05
	1750	5.17	2.00	5.00	2.49	4.80	3.63	4.65	4.70	4.50	5.73	4.39	6.70	4.29	7.64	4.19	8.54
	1850	5.51	2.10	5.34	2.63	5.14	3.83	4.99	4.98	4.84	6.05	4.73	7.08	4.63	8.07	4.53	9.02
	1950	5.86	2.20	5.68	2.77	5.48	4.04	5.33	5.25	5.18	6.38	5.07	7.46	4.97	8.50	4.88	9.51
TWS-80	900	2.91	1.40	2.55	2.12	2.23	2.81	1.98	3.51	1.60	4.31	1.42	5.43	1.21	6.55	1.02	7.67
	950	3.51	1.50	3.25	2.32	2.93	3.14	2.63	3.84	2.36	4.64	2.12	5.76	1.89	6.88	1.70	8.00
	1000	4.21	1.60	3.95	2.53	3.63	3.47	3.33	4.25	3.06	5.52	2.82	6.64	2.61	7.06	2.42	8.18
	1100	4.91	1.70	4.65	2.75	4.33	3.80	4.03	4.70	3.76	5.71	3.52	6.83	3.31	7.95	3.12	9.07
	1200	5.40	1.80	5.14	2.91	4.82	4.03	4.52	5.04	4.25	6.05	4.01	7.17	5.84	8.29	5.65	9.41
	1300	6.10	1.90	5.84	3.20	5.52	4.25	5.22	5.60	4.95	6.72	4.69	7.84	4.48	8.96	4.29	10.08
	1400	6.53	2.00	6.27	3.47	5.95	4.59	5.65	5.82	5.38	7.05	5.14	8.28	4.93	9.56	4.74	10.84
	1500	7.00	2.10	6.74	3.50	6.42	5.04	6.12	6.27	5.85	7.50	5.61	8.96	5.40	10.42	5.21	11.88
	1600	7.76	2.20	7.50	3.92	7.18	5.26	6.86	6.66	6.61	8.06	6.37	9.52	6.16	10.98	5.97	12.44
	1650	8.02	2.25	7.76	4.03	7.44	5.37	7.14	6.83	6.87	8.28	6.63	9.74	6.42	11.20	6.23	12.66
	1750	8.70	2.35	8.04	4.25	8.12	5.71	7.82	7.28	7.52	8.73	7.31	10.30	7.10	11.87	6.91	13.44
	1850	9.17	2.45	8.91	4.70	8.59	6.04	8.29	7.61	7.99	9.18	7.78	10.86	7.57	12.30	7.38	13.77
	1950	10.32	2.55	10.06	4.92	9.74	6.72	9.44	8.40	9.14	10.19	8.84	11.42	8.54	12.15	8.24	14.07

QS: AIRFLOW (M3/ MIN) KW: AXIAL POWER

The indicated Axial powers are blower powers, when selecting electric motor powers, please multiply the values by factor 1.1; tolerance of airflow and axial power is+ -5%

PERFORMANCE TABLE

Model : TWS-100, TWS-125, TWS-150

Model	RPM	Positive Displacement Performance															
		1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	kW	Qs	kW	Qs	kW	Qs	kW	Qs	kW	Qs	kW	Qs	kW	Qs	kW
TWS-100	800	5.40	1.46	4.79	2.82	4.25	4.04	3.76	5.19	3.34	6.03	2.96	7.20	2.63	8.10	2.34	8.96
	900	6.24	1.64	5.63	3.17	5.09	4.55	4.60	5.83	4.18	6.91	3.80	8.10	3.47	9.11	3.18	10.07
	1,000	7.08	1.83	6.47	3.52	5.93	5.06	5.44	6.48	5.02	7.79	4.64	9.00	4.31	10.13	4.02	11.18
	1,100	7.92	2.01	7.31	3.87	6.77	5.56	6.28	7.12	5.86	8.67	5.48	9.90	5.15	11.14	5.21	12.29
	1,200	8.76	2.19	8.15	4.22	7.61	6.07	7.12	7.77	6.70	9.55	6.32	10.80	5.99	12.15	5.70	13.41
	1,300	9.60	2.38	8.99	4.57	8.45	6.58	7.96	8.42	7.54	10.43	7.16	11.70	6.83	13.17	6.54	14.53
	1,400	10.44	2.56	9.83	4.92	9.29	7.08	8.86	9.07	8.38	11.31	8.00	12.60	7.67	14.18	7.38	15.69
	1,550	11.72	2.76	11.11	5.09	10.57	7.84	10.08	10.04	9.56	12.63	9.18	13.95	8.85	15.70	8.56	17.31
	1,650	12.55	2.98	11.94	5.62	11.40	8.34	10.91	10.69	10.49	13.13	10.11	14.85	9.78	16.71	9.49	18.43
	1,750	13.38	3.21	12.77	6.15	12.23	8.85	11.74	11.33	11.32	13.62	10.94	15.75	10.61	17.72	10.32	19.55
	1,850	14.21	3.43	13.79	6.68	13.37	9.35	12.88	11.98	12.46	14.26	12.02	16.65	11.69	18.73	11.37	20.67
	1,950	15.04	3.66	14.43	7.21	14.11	9.86	13.67	12.63	13.25	14.62	12.87	17.55	12.54	19.74	12.25	21.79
TWS-125	800	11.35	3.78	10.38	6.07	9.62	8.35	9.08	10.57	8.54	12.80	8.00	15.08	7.57	17.25	7.14	20.75
	900	13.09	4.23	12.12	6.78	11.36	9.33	10.82	11.82	10.28	14.32	9.74	16.92	9.31	19.42	8.88	22.92
	1,000	14.75	4.55	13.78	7.37	13.02	10.20	12.48	13.07	11.94	15.95	11.40	18.77	10.97	21.59	10.54	25.09
	1,100	16.70	5.09	15.73	8.24	14.97	11.38	14.43	14.53	13.89	17.79	13.35	21.04	12.92	24.95	12.49	28.45
	1,200	18.11	5.37	17.11	8.88	16.38	12.37	15.84	15.73	15.30	19.09	14.76	23.00	14.33	26.26	13.90	29.76
	1,300	20.18	5.96	19.21	9.54	18.45	13.23	17.91	17.03	17.37	20.83	16.83	25.82	16.40	29.51	15.97	33.00
	1,400	21.70	6.18	20.73	10.20	19.97	14.21	19.43	18.55	19.09	22.90	18.55	27.12	18.12	30.38	17.69	33.88
	1,550	24.52	6.83	23.55	11.28	22.79	15.83	22.25	20.39	21.71	24.95	21.17	30.38	20.74	34.72	20.31	39.22
	1,650	26.04	7.26	25.07	11.93	24.31	16.71	23.77	21.91	23.23	27.12	22.69	31.46	22.26	35.80	21.83	40.10
	1,750	28.90	7.59	27.93	12.69	27.17	17.68	26.63	22.94	26.09	28.21	25.55	33.63	25.12	37.97	24.60	42.47
	1,850	31.40	8.02	30.79	13.45	30.03	18.66	29.49	24.52	28.95	30.38	28.41	35.80	27.98	40.14	27.55	44.64
TWS-150	700	12.40	3.60	11.51	5.90	10.82	8.10	9.91	10.20	9.23	12.60	8.77	14.70	8.37	16.80	7.97	20.80
	800	14.70	4.00	13.79	6.60	12.99	9.20	12.19	11.70	11.51	14.30	10.94	16.80	10.54	19.00	10.14	23.00
	900	17.00	4.40	16.07	7.30	15.16	10.30	14.47	13.20	13.79	16.00	13.11	18.90	12.71	21.10	12.31	25.60
	1,050	19.27	4.90	18.35	8.20	17.44	11.30	16.64	13.90	15.96	17.80	15.39	22.10	14.99	24.50	14.59	29.00
	1,100	21.77	5.40	20.52	9.00	19.60	12.50	18.81	16.10	18.24	19.70	17.55	23.90	17.15	26.30	16.75	30.90
	1,200	23.71	5.70	22.68	9.70	21.88	13.60	21.09	17.40	20.40	22.20	19.83	26.20	19.43	28.80	19.03	33.40
	1,300	26.22	6.30	24.85	10.80	24.05	14.70	23.25	19.00	22.68	23.80	22.23	27.80	21.83	30.40	21.93	35.00
	1,400	28.16	6.70	27.13	11.30	26.22	15.80	25.53	21.10	24.85	25.10	24.28	30.10	23.88	32.90	23.48	37.40
	1,550	31.69	7.50	30.43	12.40	29.52	17.50	28.84	22.90	28.15	27.90	27.58	32.90	27.18	35.70	26.78	40.70
	1,650	33.85	7.90	32.71	13.20	31.80	18.60	31.00	25.00	30.43	30.00	29.86	35.00	29.46	38.00	29.06	43.00
	1,750	36.02	8.30	34.88	14.00	33.97	19.70	33.28	26.00	32.60	32.00	32.03	37.00	31.63	41.00	31.23	46.00
	1,850	38.30	8.80	37.16	14.80	36.25	21.00	35.45	27.00	34.88	33.00	34.35	39.00	33.95	43.00	33.55	49.00

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PERFORMANCE TABLE

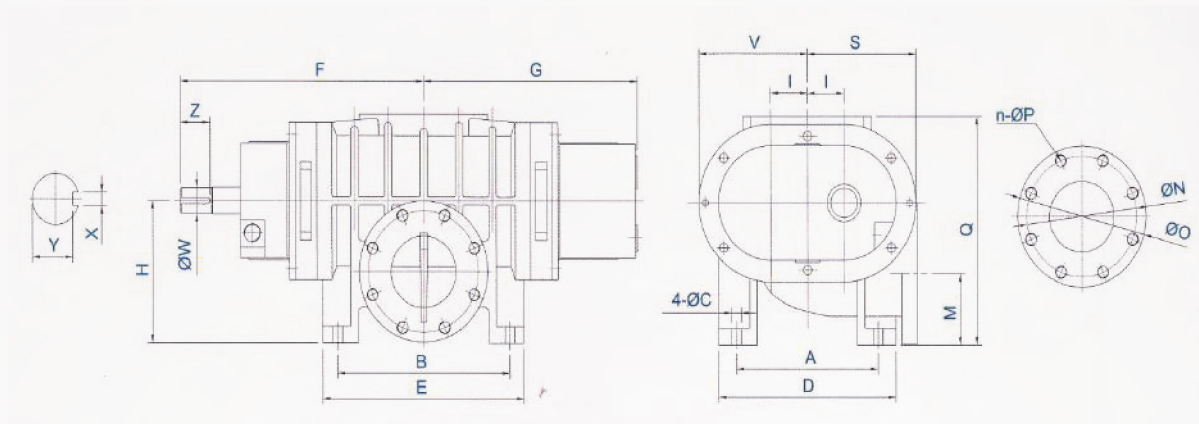
Model : TWS-200, TWS-250, TWS-300

Model	RPM	Positive Displacement Performance															
		1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	kW	Qs	kW	Qs	kW	Qs	kW	Qs	kW	Qs	kW	Qs	kW	Qs	kW
TWS-200	620	24.30	7.00	22.60	11.90	21.20	16.80	20.10	22.00	19.20	26.00	18.20	32.00	17.40	37.00	16.60	42.00
	660	26.10	7.50	24.40	12.70	23.10	17.90	22.00	23.00	21.00	28.00	20.10	34.00	19.30	39.00	18.50	44.00
	700	27.90	7.90	26.20	13.40	24.90	18.90	23.80	24.00	22.80	30.00	21.90	37.00	21.10	42.00	20.30	47.00
	740	29.80	8.30	28.10	14.10	26.70	20.00	25.60	26.00	24.70	31.00	23.70	38.00	23.00	44.00	22.20	50.00
	780	31.60	8.70	29.90	14.90	28.60	21.00	27.50	27.00	26.50	33.00	25.60	40.00	24.80	46.00	24.00	52.00
	830	33.90	9.40	32.20	15.90	30.80	23.00	29.70	29.00	28.70	37.00	27.90	43.00	27.10	49.00	26.30	55.00
	880	36.20	10.00	34.40	16.90	33.10	24.00	32.00	31.00	31.10	39.00	30.20	45.00	29.40	52.00	28.60	59.00
	930	38.50	10.40	36.80	17.70	35.40	25.00	34.30	32.00	33.40	40.00	32.50	47.00	31.70	54.00	30.90	61.00
	990	41.20	11.00	33.50	18.80	38.20	26.00	37.10	34.00	36.10	43.00	35.20	50.00	34.40	58.00	33.60	66.00
	1,050	44.00	11.60	42.30	20.00	40.90	28.00	39.80	37.00	38.90	45.00	38.00	53.00	37.20	61.00	36.40	69.00
	1,110	46.70	12.20	45.00	21.00	43.70	30.00	42.60	39.00	41.60	48.00	40.70	56.00	39.90	65.00	39.00	74.00
	1,180	49.90	13.10	48.20	22.00	46.90	31.00	45.80	41.00	44.80	50.00	43.90	59.00	43.10	68.00	42.20	77.00
	1,250	53.10	13.80	51.40	24.00	50.10	33.00	49.00	44.00	48.00	53.00	47.10	63.00	46.30	73.00	45.40	83.00
	1,320	56.30	14.50	54.60	25.00	53.30	35.00	52.20	46.00	51.20	56.00	50.30	66.00	49.50	77.00	48.60	88.00
	1,390	59.50	15.20	57.80	26.00	56.50	38.00	55.40	48.00	54.40	59.00	53.60	70.00	52.70	81.00	51.70	92.00
TWS-250	620	33.00	9.10	31.00	15.70	29.50	22.50	28.20	30.00	27.00	35.40	25.90	42.90	25.40	48.20	24.90	53.50
	660	35.50	9.80	33.40	16.60	31.90	23.60	30.60	31.10	29.50	37.50	28.40	45.00	27.40	50.40	26.40	55.80
	700	37.80	10.30	35.90	17.70	34.30	25.70	33.00	32.20	31.90	40.70	30.90	48.20	29.90	54.70	28.90	61.20
	740	40.30	10.80	38.40	18.70	36.80	26.80	35.50	34.30	34.30	42.90	33.30	50.40	32.40	57.90	31.50	65.40
	780	42.80	11.40	40.70	19.70	39.20	27.90	37.90	36.40	36.80	45.00	35.80	52.50	34.80	61.10	33.80	69.70
	830	45.90	12.00	43.80	20.90	42.20	30.00	41.00	38.60	39.90	48.20	38.80	55.70	37.80	64.30	36.80	72.90
	880	48.90	12.60	46.80	22.51	45.30	31.10	44.10	40.70	42.90	50.40	41.90	59.00	41.00	68.60	40.10	78.20
	930	52.00	13.40	50.00	23.60	48.50	32.20	47.20	42.90	46.00	52.50	44.90	62.20	44.10	71.80	43.30	81.40
	990	55.60	14.20	53.60	24.70	52.10	34.30	50.80	46.10	49.60	55.70	48.70	66.50	47.70	77.20	46.70	87.90
	1,050	59.30	15.00	57.40	25.70	55.70	36.40	54.40	48.20	53.30	59.00	52.30	69.70	51.30	81.50	50.30	93.30
	1,110	63.00	15.80	61.00	27.90	59.40	39.70	58.10	51.40	57.00	62.20	56.00	74.00	55.00	85.80	54.00	97.60
	1,180	67.20	16.70	65.30	28.90	63.70	41.80	62.40	54.70	61.30	66.50	60.20	79.30	59.30	91.10	58.40	102.90
	1,250	71.50	17.80	69.60	31.10	68.00	45.00	66.70	56.80	65.50	69.70	64.50	83.60	63.60	96.50	62.70	109.40
	1,320	75.80	18.80	73.90	32.20	72.30	47.20	71.00	60.00	69.80	74.00	68.80	87.90	67.90	101.80	67.00	115.70
	1,390	80.10	19.70	78.00	34.30	76.50	49.30	75.30	63.20	74.10	78.30	73.10	93.30	72.20	107.20	71.30	121.10
TWS-300	600	71.20	18.10	68.00	33.80	65.30	48.10	62.60	61.40	60.50	73.60	58.50	84.90	56.80	95.50	55.30	105.20
	700	85.50	20.80	81.40	39.20	78.70	55.90	76.00	71.40	73.90	85.60	71.90	98.80	70.20	111.10	68.70	122.50
	800	98.50	23.70	94.80	44.70	92.10	63.80	89.40	81.40	87.30	97.70	85.30	112.70	83.60	126.80	82.10	139.80
	900	111.50	26.60	108.20	50.10	105.60	71.60	102.90	91.40	100.80	109.70	98.80	126.70	97.10	142.40	96.60	157.10
	1,000	124.50	29.60	121.60	57.00	118.90	80.90	116.20	102.90	114.10	123.30	112.10	142.10	110.40	159.60	108.90	176.00
	1,100	138.10	34.50	135.10	63.90	132.40	90.20	129.70	114.40	127.60	136.80	125.60	157.60	123.90	176.90	122.40	194.80
	1,200	151.70	39.50	148.50	70.80	145.80	99.50	143.10	125.90	141.00	150.40	139.00	173.00	137.30	194.10	135.80	213.70
	1,300	165.30	44.50	162.10	83.60	159.40	108.80	156.70	137.40	154.60	164.00	152.60	188.40	150.90	211.30	149.40	232.60

QS: AIRFLOW (M3/ MIN) KW: AXIAL POWER

The indicated Axial powers are blower powers, when selecting electric motor powers, please multiply the values by factor 1.1; tolerance of airflow and axial power is+ -5%

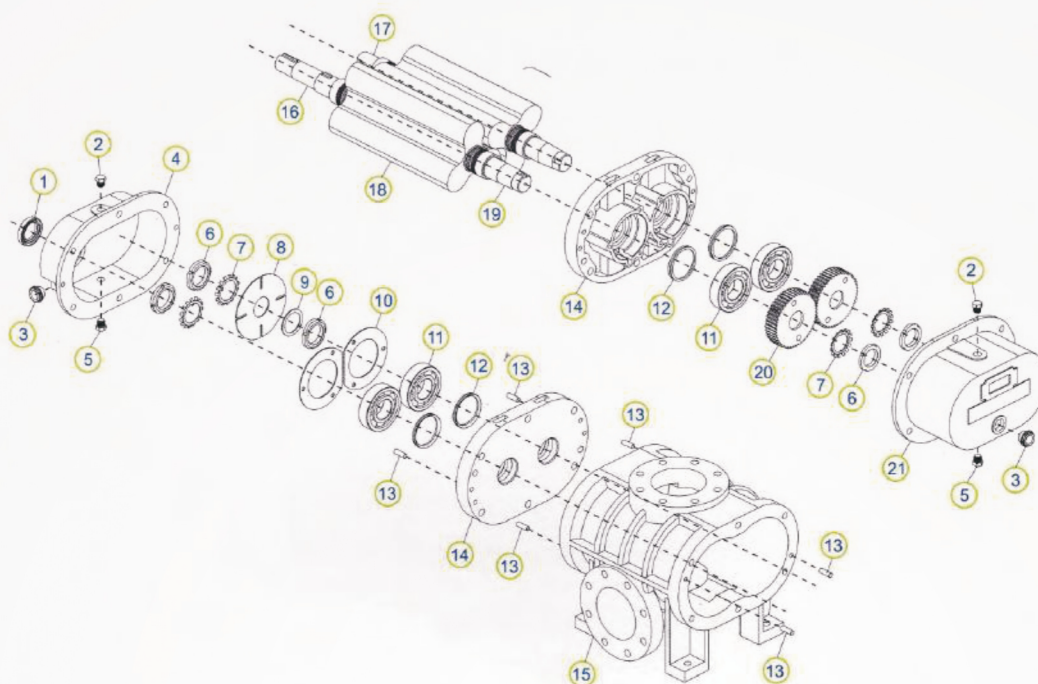
BLOWER BODY DIMENSION



Model	A	B	C	D	E	F	G	H	I	Q	S	V	W	X	Y	Z	M	N	O	n-ØP
TWS-40	196	80	14	240	110	218	205	175	45	285	140	136	28	8	24	42	104	120	165	4-M16
TWS-50	196	150	14	240	195	258	245	175	45	276	157	136	28	8	24	42	104	120	165	4-M16
TWS-65	196	195	14	246	256	288	275	175	45	276	152	136	28	8	24	42	104	140	175	4-M16
TWS-80	196	196	16	240	240	348	300	212	60	341	180	178	38	10	33	48	106	150	185	8-M16
TWS-100	232	282	16	290	330	398	350	212	60	341	180	178	38	10	33	48	106	175	210	8-M16
TWS-125	355	310	18	400	374	437	431	258	80	425	262	232	48	14	42.5	48	158	210	250	8-M20
TWS-150	354	428	18	400	480	492	486	290	80	450	250	232	48	14	42.5	75	164	240	280	8-M20
TWS-200	550	360	22	616	440	545	547	440	120	670	345	335	65	18	58	75	194	290	330	12-M20
TWS-250	550	520	22	620	570	620	622	435	120	675	356	335	65	18	58	75	216	355	400	12-M20
TWS-300	780	510	34	850	570	730	685	550	180	1010	560	500	90	25	86	90	300	400	445	16-M20

Units : mm

BLOWER BARESHAFT



Item.	Parts Descriptions	Materials	Q'TY
1.	Labyrinth Seal (model over TWS-125A)	FC 25	1 pc
1.	Oil Seal (model TWS-40 ~ TWS-125A)	Viton	1 pc
2.	Lubricant Plug	ABS	2 pcs
3.	Oil Level Sight Window	AL + Glass	2 pcs
4.	Oil Reservoir	FC 25	1 pc
5.	Drain Plug	S 45 C	2 pcs
6.	Lock Nuts	S 45 C	5 pcs
7.	Tooth Lock Washer	S 45 C	4 pcs
8.	Oil Thrower	SS 41	1 pc
9.	Oil Thrower Spacer	SS 41	1 pc
10.	Bearing Fixtures	SS 41	2 pcs
11.	Bearings	SUJ 2	4 pcs
12.	V-seal	Viton	4 pcs
13.	Positioning Pin	S 45 C	6 pcs
14.	Headplates (Bearing Seat)	FC 25	2 pcs
15.	Blower Casing	FC 25	1 pc
16.	Drive Shaft	S 45 C	1 pc
17.	Driven Shaft	S 45 C	1 pc
18.	3-lobes Rotors	FCD 500	2 pcs
19.	Gear Shaft	S 45 C	2 pcs
20.	Timing Gears	SNCM 220	2 pcs
21.	Oil Reservoir Cover	FC 25	1 pc