

TURBOWIN

AIR-BEARING TURBO BLOWER WL SERIES PRODUCT BROCHURE

BEYOND IMAGINATION
INNOVATION OF TURBO TECHNOLOGY
FOR ZERO OIL-INJECTED AIR-BEARING TURBO BLOWER

THE WORLD'S **HIGHEST ENERGY EFFICIENCY**

THE WORLD'S **STRONGEST STABILITY WITH USER CONVENIENCE**

THE WORLD'S **BEST PATENTS AND CERTIFICATES**

THE WORLD'S **WIDEST PRODUCT LINE-UP**

COMPANY INTRODUCTION

Maximized Efficiency from Proven Technology

More than 80% of Turbowin's employees are professional engineers who have been researching and developing only turbo technology for over 20 years with complete dedication to participating in the new product development and registration of new technology patents and certificates every year. This indomitable passion for technology advancement has led the company to launch the 8th generation. New turbo technology addresses the world's growing demand for clean and affordable energy, which requires simultaneous advances in turbo science and technology to meet the performance demands of our global key end-users.

Major Certificates & Patents

- 2015** ISO 9001 / ISO 14001 / ISO 45001
- 2016** IATF 16949 / SPAN certificate / High-efficiency energy equipment certificate
[Korea] Valve using differential pressure of air (Patent No. 10-1651589)
[Korea] Airfoil bearing device for high speed and high load that can maintain precision (Patent No. 10-1632356)
- 2017** EAC certificate
[Korea] Cover for preventing ingress of foreign substances for turbomachinery (Patent No. 10-1791977)
- 2018** NRTL certificate / Certification of Korean public procurement service designation for excellent product (No. 2018057)
[China] Single & Dual cooling system (Patent No. ZL 2016 8 0000612.8)
- 2019** [China] Water and moisture proof (Patent No. ZL 2016 8 0027904.0)
[Japan] Water and moisture proof (Patent No. 6524499)
[Japan] Single & Dual cooling system (Patent No. 6617903)
[Korea] Micro Turbo Compressor with water-cooled impeller (Patent No. 10-1969485)
[Korea] Surge protection (Patent No. 10-1989588)
[Korea] Cooling thermal equilibrium (Patent No. 10-2050810)
- 2020** [Germany] Water and moisture proof (Patent No. 11 2016 004 029)
[Korea] Radial airfoil bearing with optimal cooling induction (Patent No. 10-2067286)
[Korea] Air-cooled multi-stage Turbo Compressor (Patent No. 10-2133245)
[USA] Water and moisture proof (Patent No. 10648476)
[USA] Single & Dual cooling system (Patent No. 10753372)
[USA] Valve using differential pressure of air (Patent No. 10760581)
- 2021** Explosion proof (Ex / IECEx) certificate of conformity (No. KTL 21.0009X) / ABS certificate
Excellent production designation certificate / Innovative water company designation certificate
UL-US-2127364-0 & UL-CA-2122511-0 certificate / World-class product certificate (No. 2021-308)
[Korea] IoT Remote controlled turbo machine (Patent No. 10-2200680)
- 2022** ASME U certificate
[China] Turbo Blower that can drive in the surge area (Patent No. ZL201980077782.X)
[China] High-speed turbo machine(twin impeller) capable of cooling thermal equilibrium (Patent No. ZL 202010528492.7)
[China] High-speed turbo machine capable of cooling thermal equilibrium (Patent No. ZL 202010533762.3)
[Germany] Direct drive type Dual Turbo Blower cooling structure (Patent No. 11 2016 004 014)
[Germany] BOV valve using differential pressure of air (Patent No. 11 2017 002 929)
[Germany] Turbo Blower for fuel cells with a cooling fan of impeller type (Patent No. 10 2019 110 737)
[Japan] Turbo Blower for fuel cells with a cooling fan of impeller type (Patent No. 7012371)
[Japan] Turbo Blower that can drive in the surge area (Patent No. 7083551)
[Japan] Smart Blower for remote control (Patent No. 7079533)
[Korea] Air compressor for hydrogen cars comprising scroll volute made of Al-Zn alloy materials (Patent No. 10-2475660)
[USA] High-speed turbo machine(twin impeller) capable of cooling thermal equilibrium (Patent No. 11339791)



TURBOWIN PRODUCT LINE-UP

2015	2016	2017	2018	2019
				
WL & WL-s Series Turbo Blower & Separated Type Turbo Blower	WL-d & WL-o Series Dual & Outdoor Type Turbo Blower	WH & WH-s & WH-o Series Turbo Compressor & Separated & Outdoor Type Turbo Compressor	WH-m & WH-d Series Micro Turbo Compressor & Dual type Turbo Compressor	WL-m Series Micro Turbo Blower

2020	2021	2022	2023
			
WL-i & WH-i Series Smart Turbo Blower & Compressor	WL-e Series Eco Turbo Blower	WL-t Series Triple Type Turbo Blower	WL-v Series Vacuum Turbo Blower
WL-ex & WH-ex Series Explosion Proof Turbo Blower & Compressor	WH-g Series Gas Turbo Compressor		
	WH Series 9.5 Bar Turbo Compressor		

PRODUCT NAME	SERIES NAME	HP RANGE	BAR RANGE	DESCRIPTION
TURBO BLOWER	WL	20~1,800 HP	0.4~1.2 Bar(g)	World's most advanced air-bearing based Turbo Blower (8th generation)
SEPARATED TYPE TURBO BLOWER	WL-s	3~1,200 HP	0.4~1.2 Bar(g)	The control room and motor room can be separately installed and operated
DUAL TYPE TURBO BLOWER	WL-d	100~1,200 HP	0.4~1.2 Bar(g)	Dual Type Turbo Blower with dual cores and four impellers
OUTDOOR TYPE TURBO BLOWER	WL-o	3~1,200 HP	0.4~1.2 Bar(g)	Outdoor Type Turbo Blower which doesn't need independent blower room
MICRO TURBO BLOWER	WL-m	3~10 HP	0.4~0.8 Bar(g)	World's smallest and lightest air-bearing based Turbo Blower
SMART TURBO BLOWER	WL-i	3~1,200 HP	0.4~1.2 Bar(g)	World-first Smart IoT air-bearing based Turbo Blower
EXPLOSION PROOF TURBO BLOWER	WL-ex	30~400 HP	0.4~1.2 Bar(g)	World-first Explosion Proof(Ex) and widest range air-bearing based Turbo Blower
ECO TURBO BLOWER	WL-e	30~300 HP	0.4~1.2 Bar(g)	Eco-friendly Turbo Blower for developing countries
TRIPLE TYPE TURBO BLOWER	WL-t	1,800 HP	0.6~1.2 Bar(g)	Triple Type Turbo Blower with triple cores and six impellers
VACUUM TURBO BLOWER	WL-v	50~300 HP	420 Torr	World's first Vacuum Turbo Blower

WORLD'S HIGHEST EFFICIENCY

Proven to be the Best Turbo Machinery

As energy prices have risen sharply recently due to the Russia-Ukraine war and the government's environmental regulations have been tightened due to global warming, most of the manufacturers in the world feel struggling. Turbowin has led the development of optimal applications for diverse industries, including petrochemicals, biochemicals, food and beverage, shipbuilding, automobiles, electronics, semiconductors, display, mining, metals, and cement.

Accordingly, in 2017, when the Turbowin's WL Series was introduced, a reputable external global evaluation institute found that the Turbowin's turbo blower had an energy-saving effect of 57.5%. Since then, Taiwan's AUO has been satisfied with Turbowin by the highest energy savings, user convenience, product durability, and reduced maintenance costs.



SAVE YOUR PRECIOUS ENERGY COSTS

Actual Energy Savings Case

PROJECT	Motor (HP)	Quantity (set)	Hour Power Consumption (kWh)	Annual Power Consumption (kWh)	Energy Saving Percentage (%)
BRAND A	150	1	105.6	925,056	29.5
TURBOWIN WL Series	125	1	44.9	393,324	57.5



END USER AUO

LOCATION Hsinchu Science Park, Hsinchu City, Taiwan

MODEL WL125-08

APPLICATION Wastewater Treatment

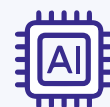
- Low Vibration Under 1.0 mm/s
- Low Noise Under 75dB ± 5dB



8th Generation
NBW Air Bearing



100%
Dual Air Cooling



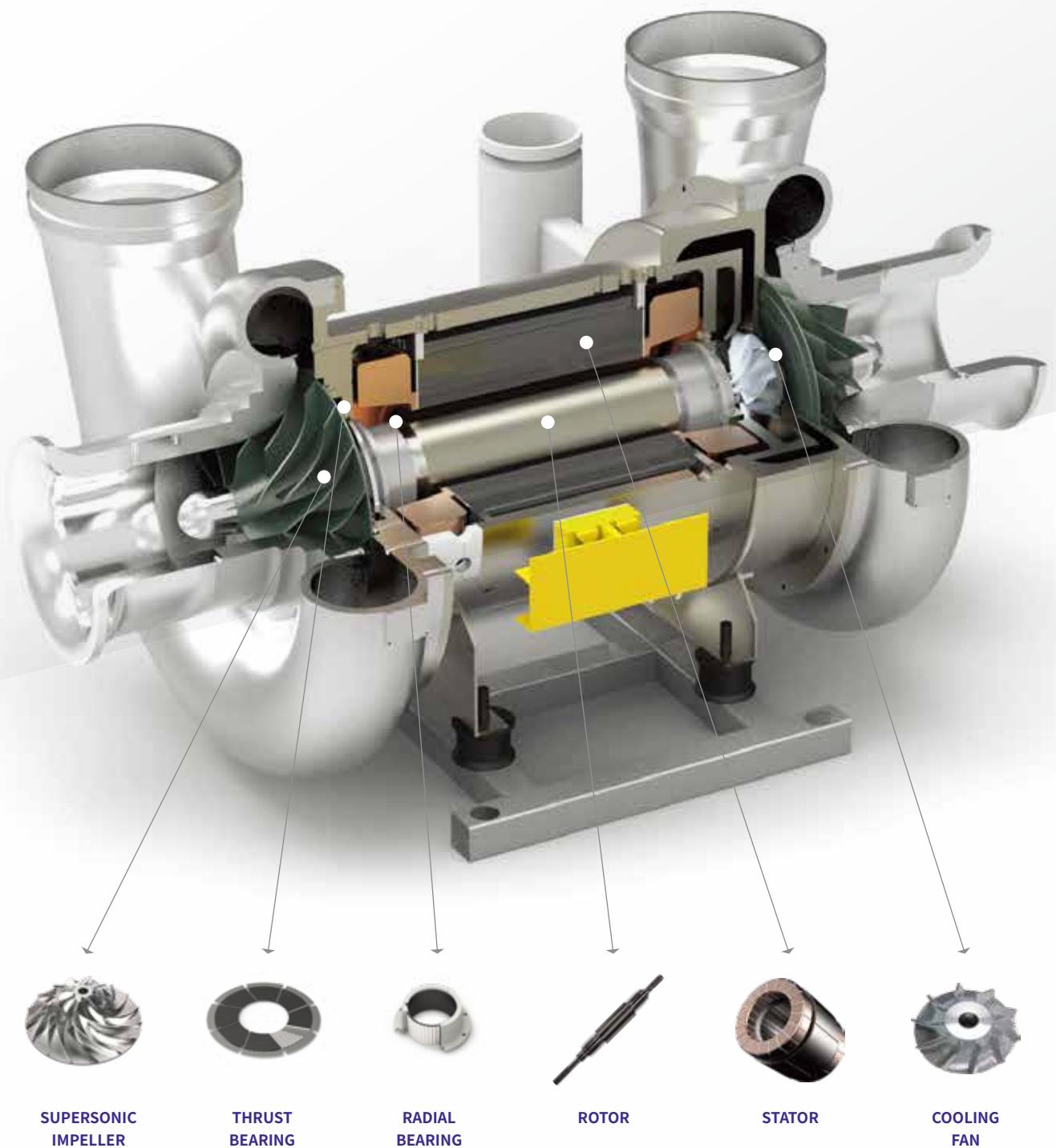
Industry 4.0
AI

CORE OF EXCELLENCE

Ultra High Efficiency Permanent Magnet Motor

Patent No. 6976001 / 6976000 / 10,753,372 / 6604494 / 6617903 / 3172706 / 3236947

For extreme temperature conditions, explosion / flame / water / moisture / salinity proof based Turbowin's Ultra High-Efficiency Permanent Magnet Motor plays a key role in the world's most powerful turbo technology in the range from 20,000 RPM to 280,000 RPM.



CORE OF EXCELLENCE

Supersonic Impeller

Certificate No. NDMM8.E519212 / OBJV2.E520241 / QDGS.E519211



ALUMINUM



STAINLESS

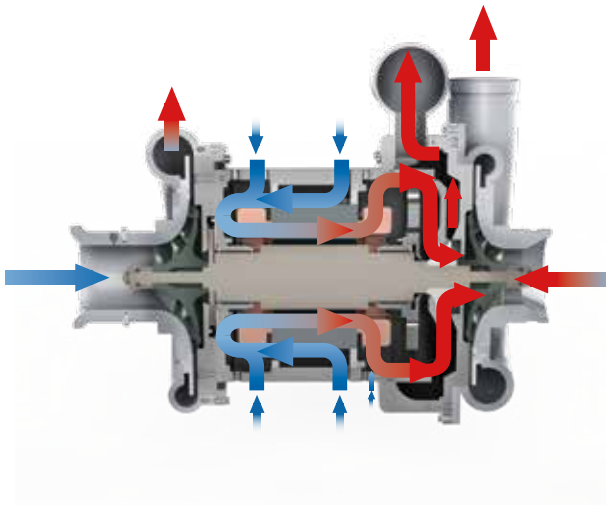


TITANIUM

Turbowin's Supersonic Impeller is an in-house designed and self-manufactured special product based on global patents and certificates. Therefore, depending on the end user's various or specific requirements, the main material of a supersonic impeller might be applied for aluminum alloy (AL7075-T651), stainless steel, or titanium. Turbowin does not allow even 0.001mm of error in machining and processing protocol at all. Moreover, a supersonic impeller could be specially coated with hard anodizing on the surface to provide excellent corrosion and chemical resistance.



Turbowin's facilities to make in-house designed supersonic Impeller



Dual Air Cooling System

Patent No.

10,533,560 / 10,753,372 / 11 2016 002 508 / 11 2016 004 014

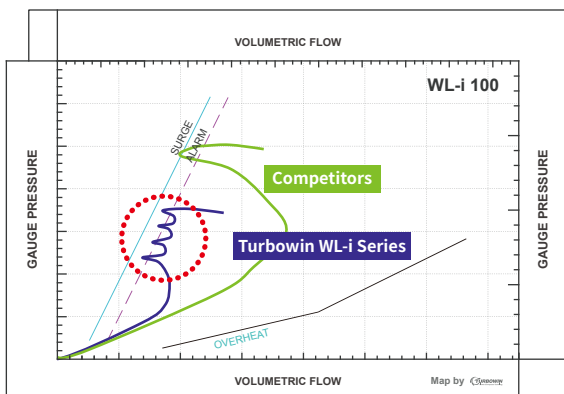
Turbowin can lower motor temperature by at least 10°C compared to other brands through its dual cooling system. This patented technology is composed of motor and inverter with no separate cooling device such as an external cooling fan or sinus filter.



NBW* Air Foil Bearing *No-Bending & No-Welding

Patent No. 10-2067286 / 10-1632356 / 30-0858674

Turbowin's air foil bearing is never bent nor welded. This is based on Turbowin's innovative technology to ensure our bearing is extremely durable and reliable. Our bearing has passed on/off testing over 150,000 cycles. NBW air foil bearing does not require any welding process with no holding bars. This patented technology makes the bearing durable, and it is not easily deformed even at high temperatures.



Surge, a frequent error of the old-fashioned blower, has been pointed out as the biggest disadvantage that makes blower application frightening and difficult. Turbowin's patented auto surge protection system protects the product from emergency changes in the external environment, especially Turbowin's Sub-Solenoid Valve, which operates quickly in the surge area without stopping or damage seen in the old-fashioned blowers.

Auto Surge Protection System

Patent No. 10-1989588

Having an emergency stop due to a surge ultimately damages the motor. To prevent this from happening, a sub-solenoid valve has been additionally installed in WL-i Series for effective control and protection of the equipment from the surge area. Sub-solenoid valve is activated three to four times when the operating point falls under the surge area; this protects the equipment from going to a sudden surge and avoids the immediate stop.

SIMPLIFIED STRUCTURE

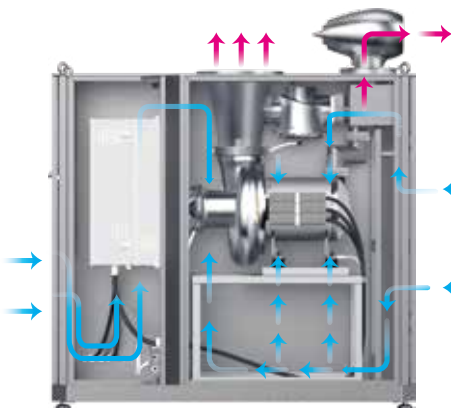
Innovative Structure with Patents and Certificates

Steve Jobs once said, “Simple can be harder than complex.” He also mentioned the significance of “Connecting Dots looking backward.” Turbowin’s R&D Group has continuously focussed on simplifying and optimizing the turbo products based on the world-class turbo technology certified by global patents and certificates accumulated over the decades in a technical interactive manner.



SMART HMI (Human Machine Interface)

By utilizing the Web and the APP in both IoT and AI(Artificial Intelligence) systems, Turbowin’s smart turbo system, which is easy to connect with its own server, has advanced user convenience, energy efficiency, and stability to the world-class level.



VFD COOLING SYSTEM

Turbowin's globally patented dual cooling system, which does not require any additional motor cooling devices even for VFD at all, enables the world's best performance and durability. The cooling air that passes through the inverter merges with the cooling air that passes through the motor and is discharged to the outside, so it boasts stable operation even in extreme usage environments.

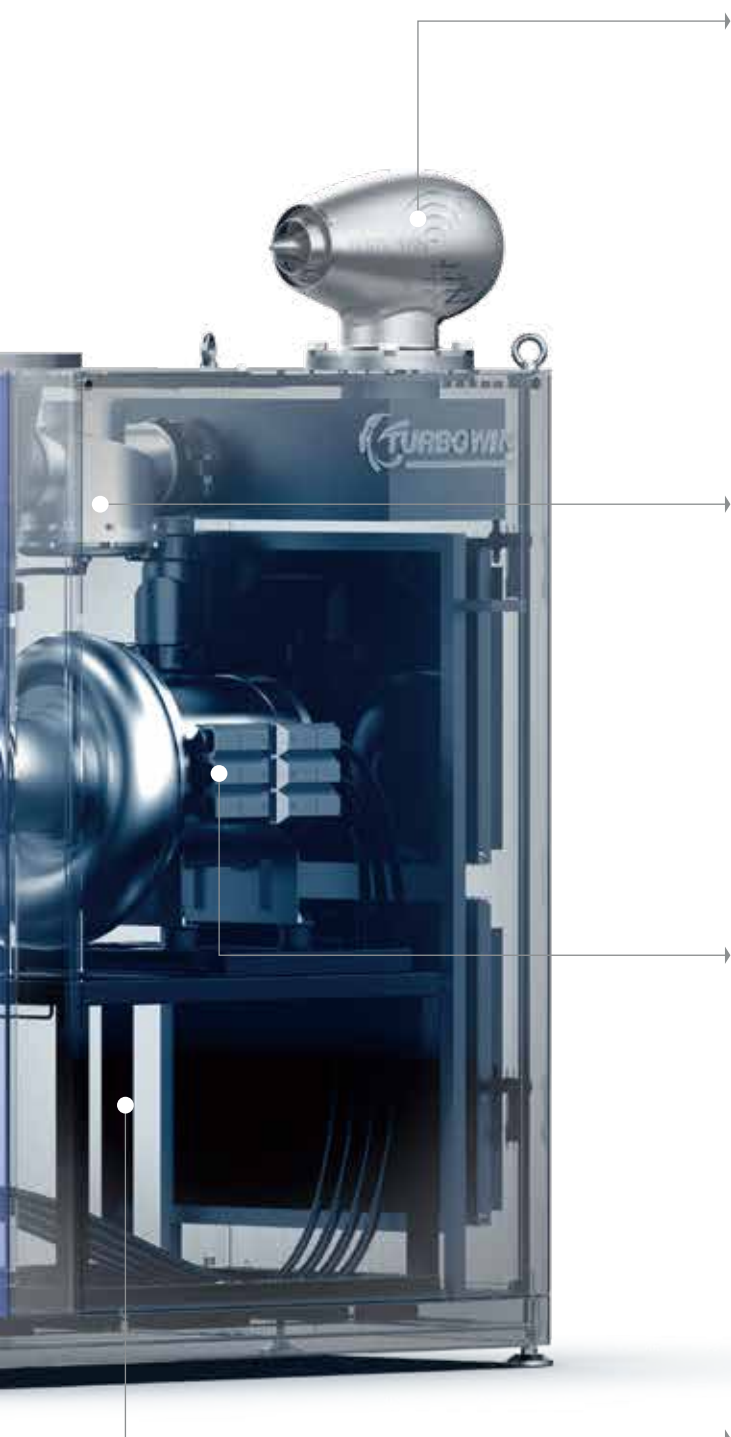


AMBIENT LIGHTING

The visibility of System Status is a very important element in product design. Turbowin’s Smart display system, which won the Good Design Award, made it easy to clearly check the operation of the turbo blower product from afar through ambient lighting.

BLUE ▶ READY | GREEN ▶ RUN | ORANGE ▶ WARNING | RED ▶ STOP





COOLING JET SILENCER

Patent No. 10-2200680

Turbowin's cooling discharge silencer has a compact size which is hardly affected by the installation site. With the help of a Cooling Jet Silencer, noise can be reduced by 3~5dB compared to the other brands.



OPTIMIZED BLOW OFF VALVE

Patent No. 10-1651589

Turbowin's patented BOV has a unique design that is operated by internally generated differential pressure without the supply of external compressed air.



EXPLOSION PROTECTION

Certificate of Conformity
No. IECEx KTL 21.0009X



Turbowin is proud to announce the latest addition of IECEx certification, marking its turbo machinery as safe to use under explosive environments.

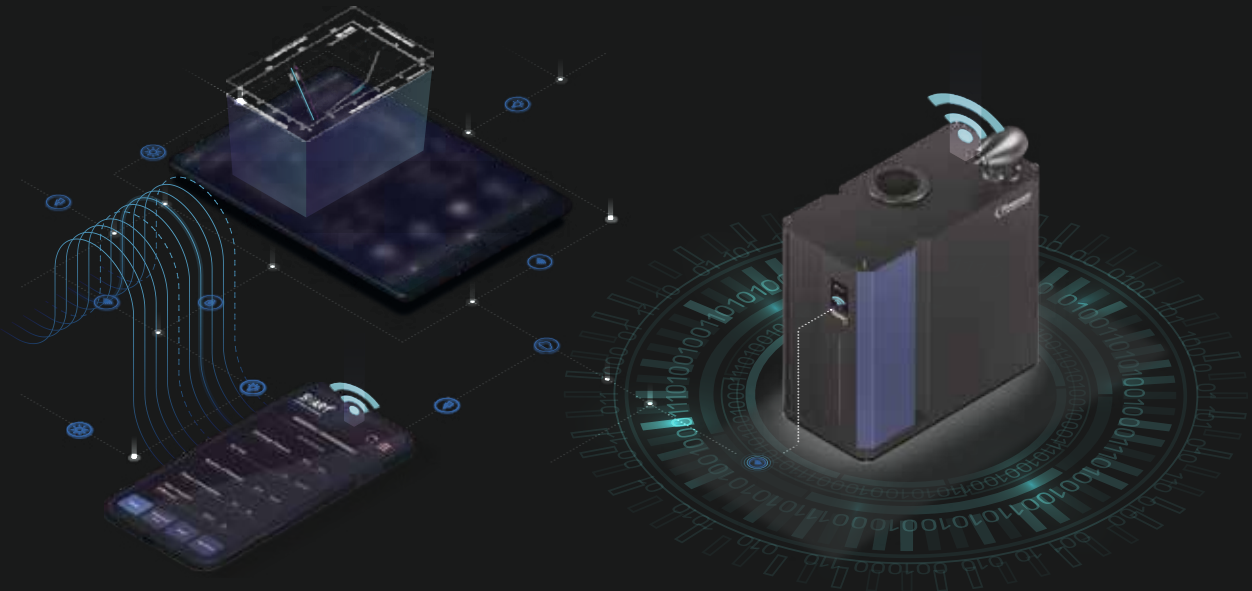
WATER, MOISTURE & SALINITY RESISTANT ENCLOSURE

Patent No. 10-1616274

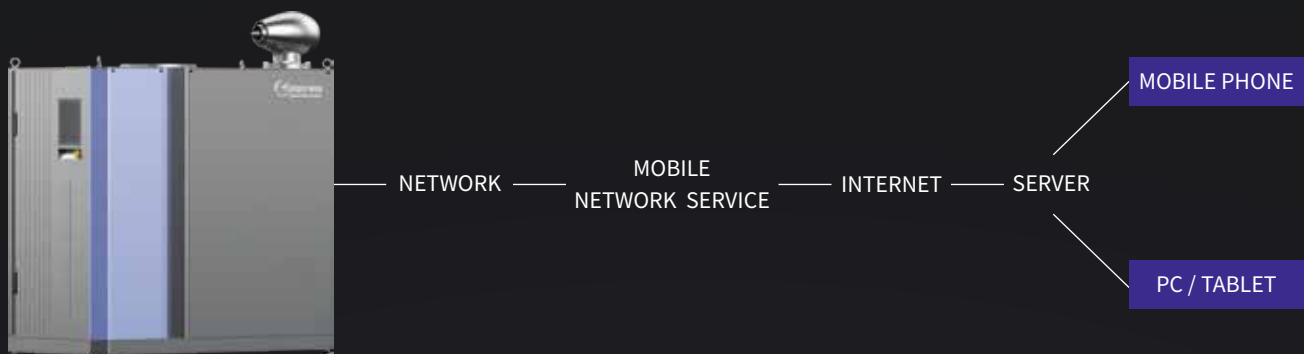
Patented water, moisture & salinity resistant enclosure for outdoor applications, a simple overhead canopy and covers on inlet louvers.

WL-i SERIES

Smart Turbo Blower



In the era of industry 4.0, Turbowin constantly pondered how to optimize energy efficiency and stability while maximizing user convenience in a safer work environment. As a result, the world's first IoT remote control system is provided to connect users and turbo blowers through wireless communication, not only in smartphones and tablets but also in the business field where security forces them to use closed communication systems. Users who require very sophisticated levels of compressed air, such as semiconductors, displays, secondary batteries, bio-chemicals, and F&B can implement user artificial intelligence systems and unmanned automated operation 24 hours a day. Turbowin's Smart Turbo Blower is receiving an ovation from global leading companies, causing a phenomenon of scrambling to apply Smart Turbo Blower. Especially, when applied with explosion-proof functionality, it exerts even more terrifying power to meet the demanding requirements of global leading companies with world-class global certification (CE, UL, IATF, EAC, ASME, API, ABS, etc.) along with these patented technologies.



WL-m SERIES

Micro Turbo Blower

Turbowin's micro turbo blower WL-m Series is ideal if you need a reliable and energy-efficient supply of compressed air in a low flow rate range. The WL-m is a compact turbo blower that maintains high efficiency. Offered in 3 to 10 HP, WL-m Series is explicitly developed for aeration applications, including aerobic, biological wastewater treatment, fermentation, and flotation.

COST REDUCTION
Low installation expenses & high energy-saving feature

COMPACT & PORTABLE
The product can be easily moved by forklift truck

CLEAN TECHNOLOGY
Highly efficient, zero-oil air foil bearing technology

PRAISEWORTHY ROI
Gain competitive ROI(Return on Investment) by reducing energy efficiency & maintenance costs

MAXIMIZED EFFICIENCY
Energy saving up to 57.5% compared to roots blowers

IoT & Ex
Adding smart and explosion-proof functions with WL-m Series provides strong performance even in a dangerous and narrow work environment

SPEC.	METRIC	WL-m3	WL-m5	WL-m7	WL-m10	IMPERIAL	WL-m3	WL-m5	WL-m7	WL-m10
	DISCHARGE PRESSURE (mmAq)	SINGLE TYPE Air Flow (m³/min) : 1atm, 20°C, 65%RH, Density =1.2kg/m³, Tolerance=±5%				DISCHARGE PRESSURE (psi)	SINGLE TYPE Air Flow (cfm) : 14.696psi, 20°C, 65%RH, Tolerance=±5%			
AIR FLOW RATE (m³/min)	4,000	-	-	-	-	5.8	-	-	-	-
	6,000	2.5	3.5	5	7	8.7	88	124	177	247
	8,000	-	-	3.5	5	11.6	-	-	124	177
	10,000	-	-	-	-	14.5	-	-	-	-
	12,000	-	-	-	-	17.4	-	-	-	-
SHAFT POWER(HP)		3	5	7.5	10		3	5	7.5	10
EXHAUST PIPE (mm/in)	4,000	-	-	-	-	5.8	-	-	-	-
	6,000	40A	50A	65A	80A	8.7	1 1/2	2	2 1/2	3
	8,000	-	-	50A	65A	11.6	-	-	2	2 1/2
	10,000	-	-	-	-	14.5	-	-	-	-
	12,000	-	-	-	-	17.4	-	-	-	-
DIMENSION (mm/ft)	W	520	520	520	520	W	1.71	1.71	1.71	1.71
	L	700	700	700	700	L	2.30	2.30	2.30	2.30
	H	685	685	685	685	H	2.25	2.25	2.25	2.25
WEIGHT(kg/lbs)		70	80	90	100		154	176	198	221
BLOW OFF V/V(mm/in)		20	32	40	40		3/4	1 1/4	1 1/2	1 1/2
NO FUSE BREAKER(A)		10	15	25	40		10	15	25	40

WL-ex SERIES

Explosion & Flame Proof Turbo Blower

Oil & Gas, and Chemical industry end-users sometimes face very hazardous situations. This gives end-users hesitation to apply for energy-efficient turbo machinery due to the concern of explosivity. Turbowin developed WL-ex Series to support these end-users with field sites with the surrounding explosive gas. Turbowin has obtained an IECEx certificate to guarantee the safety of turbomachinery users.



WL-v SERIES

Vacuum Turbo Blower

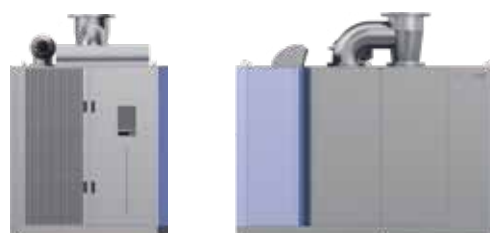
Vacuum blowers can be applied for dental clinics or hospitals, optical coating, semiconductor & display, nanoscience, etc. Typically, a general vacuum blower has limited energy efficiency for many reasons. But Turbowin's WL-v Series successfully overcome these barriers to provide end-users with the world-best quality vacuum airflow.



WL-d SERIES

Dual Type Turbo Blower

WL-d Series is designed to provide end-users with excellent airflow can paring with the single one therefore, end-user may enjoy the maximum airflow with only one turbomachinery, which has the most comprehensive working range in the world.



WL-s SERIES

Separated Type Turbo Blower

Sometimes our end-users may face a complicated situation in the working field site. Based on their critical and specified requirements, Turbowin may provide a separated type turbo blower WL-s Series where the control room or Inverter should be separated from the motor room. Turbowin's IoT system can support these circumstances much better than any other facility.



WL-o SERIES

Outdoor Type Turbo Blower

The biggest difference between an outdoor type turbo blower and so-called usual type turbo blower is the package enclosure. Designed to resist external weather conditions such as raindrops and snow, high salinity due to the coast waves, or any other external reasons, the package enclosure of the outdoor type turbo blower is composed of special materials to ensure a much higher quality of the product based on both IP55 & IP65.



WL-t SERIES

Triple Core Turbo Blower

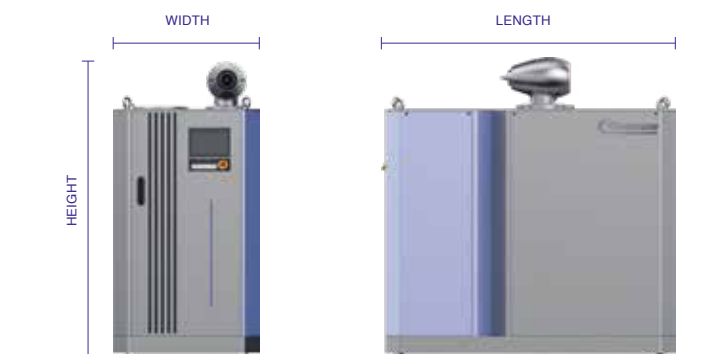
WL-t Series is the world's first turbo blower with three cores and six impellers, covering up to 1,800 HP in a single turbo blower, with extreme energy efficiency, durability, and user convenience. WL-t Series eliminates the burden of installing multiple old-fashioned blowers and controls all together with a single WL-t Series, making it very efficient and convenient to manage with cost savings.



SPECIFICATION

SINGLE TYPE

Single Motor & Single Impeller



***METRIC**

SPECIFICATION		WL-20	WL-30	WL-40	WL-50	WL-75	WL-100	WL-125	WL-150	WL-200	WL-250	WL-300
DISCHARGE PRESSURE (mmAq)		SINGLE TYPE										
		Air Flow (m³/min) : 1atm, 20°C, 65%RH, Tolerance=±5%										
AIR FLOW RATE (m³/min)	4,000	-	28	37	47	70	100	115	130	-	-	-
	6,000	14	20	25	34	51	69	82	105	140	160	210
	8,000	11	17	22	28	42	55	70	84	109	135	164
	10,000	8	14	18	21	34	45	55	65	87	104	133
	12,000	-	-	-	18	28	38	47	57	75	93	114
SHAFT POWER(HP)		20	30	40	50	75	100	120	150	200	250	300
EXHAUST PIPE (mm)	4,000	-	150	150	200	250	300	300	300	-	-	-
	6,000	100	125	150	150	200	200	200	300	300	300	400
	8,000	100	125	150	150	200	200	200	250	300	300	400
	10,000	100	100	125	150	150	200	200	250	250	300	300
	12,000	-	-	-	125	150	150	200	200	250	250	250
DIMENSION (mm)	W	650	650	700	700	850	850	850	900	900	1,200	1,200
	L	1,100	1,100	1,300	1,300	1,500	1,500	1,500	1,800	1,800	1,900	1,900
	H	1,000	1,000	1,100	1,100	1,400	1,400	1,400	1,650	1,650	2,000	2,000
WEIGHT(kg)		320	350	450	450	550	600	650	800	850	900	1,000
BLOW OFF V/V(mm)		50	50	65	65	125	125	125	125	125	125	175
NO FUSE BREAKER(A)		50	60	100	100	150	200	250	300	350	400	500

***IMPERIAL**

SPECIFICATION		WL-20	WL-30	WL-40	WL-50	WL-75	WL-100	WL-125	WL-150	WL-200	WL-250	WL-300
DISCHARGE PRESSURE (psi)		SINGLE TYPE										
		Air Flow (cfm) : 14.696psi, 20°C, 65%RH, Tolerance=±5%										
AIR FLOW RATE (cfm)	4,000	-	989	1,306	1,660	2,472	3,531	4,061	4,590	-	-	-
	6,000	494	706	883	1,201	1,801	2,436	2,895	3,708	4,943	5,650	7,415
	8,000	388	600	777	989	1,483	1,942	2,472	2,966	3,849	4,767	5,791
	10,000	282	494	636	742	1,201	1,589	1,942	2,295	3,072	3,672	4,696
	12,000	-	-	-	636	989	1,342	1,660	2,013	2,648	3,284	4,025
SHAFT POWER(HP)		20	30	40	50	75	100	120	150	200	250	300
EXHAUST PIPE (in)	4,000	-	6	6	8	10	12	12	12	-	-	-
	6,000	4	5	6	6	8	8	8	12	12	12	16
	8,000	4	5	6	6	8	8	8	10	12	12	16
	10,000	4	4	5	6	6	8	8	8	10	12	12
	12,000	-	-	-	5	6	6	8	8	8	10	10
DIMENSION (ft)	W	2.13	2.13	2.30	2.30	2.79	2.79	2.79	2.95	2.95	3.93	3.94
	L	3.60	3.60	4.26	4.26	4.92	4.92	4.92	5.90	5.90	6.23	7.22
	H	3.28	3.28	3.61	3.61	4.59	4.59	4.59	5.41	5.41	6.56	6.56
WEIGHT(lbs)		706	772	992	992	1,213	1,323	1,433	1,764	1,874	1,985	2,204
BLOW OFF V/V(in)		2	2	2 1/2	2 1/2	5	5	5	5	5	5	7
NO FUSE BREAKER(A)		50	60	100	100	150	200	250	300	350	400	500

TWIN TYPE

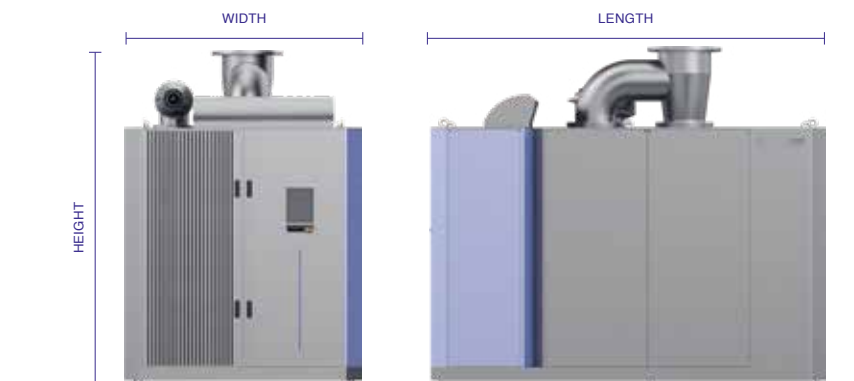
Single Motor & Dual Impellers

DUAL TYPE

Dual Motors & Dual Impellers

TRIPLE TYPE

Triple Motors & Six Impellers



***METRIC**

SPECIFICATION		WL-200	WL-300	WL-400	WL-500	WL-600	WL-d800	WL-d1000	WL-d1200	WL-t1500	WL-t1800
DISCHARGE PRESSURE (mmAq)		TWIN TYPE					DUAL & TRIPLE TYPE				
		Air Flow (m³/min) : 1atm, 20°C, 65%RH, Tolerance=±5%					Air Flow (m³/min) : 1atm, 20°C, 65%RH, Tolerance=±5%				
AIR FLOW RATE (m³/min)	4,000	200	266	-	-	-	-	-	-	-	-
	6,000	-	210	272	320	420	540	640	840	960	1,260
	8,000	-	164	216	270	325	430	540	650	810	975
	10,000	-	133	172	208	265	340	416	530	624	795
	12,000	-	114	150	185	228	300	370	456	535	684
SHAFT POWER(HP)		220	300	400	500	600	800	1,000	1,200	1,500	1,800
EXHAUST PIPE (mm)	4,000	400	500	-	-	-	-	-	-	-	-
	6,000	-	400	400	500	500	600	700	700	800	900
	8,000	-	400	400	400	500	600	600	700	700	800
	10,000	-	300	400	400	400	500	600	600	600	700
	12,000	-	250	300	400	400	400	500	600	600	700
DIMENSION (mm)	W	1,200	1,200	1,500	1,600	1,900	2,200	3,200	2,000	6,500	6,500
	L	2,200	2,200	2,550	2,950	3,500	4,000	3,450	6,000	3,000	3,000
	H	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,200	2,100	2,100
WEIGHT(kg)		1,300	1,500	1,700	2,000	3,000	3,500	5,000	6,000	8,000	10,000
BLOW OFF V/V(mm)		175	175	175	175*2	175*2	175*2	175*4	175*4	175*6	175*6
NO FUSE BREAKER(A)		400	500	630	800	1,000	630*2	800*2	1,000*2	800*3	1,000*3

***IMPERIAL**

SPECIFICATION		WL-200	WL-300	WL-400	WL-500	WL-600	WL-d800	WL-d1000	WL-d1200	WL-t1500	WL-t1800
DISCHARGE PRESSURE (psi)		TWIN TYPE					DUAL & TRIPLE TYPE				
		Air Flow (cfm) : 14.696psi, 20°C, 65%RH, Tolerance=±5%					Air Flow (cfm) : 14.696psi, 20°C, 65%RH, Tolerance=±5%				
AIR FLOW RATE (cfm)	4,000	7,062	9,392	-	-	-	-	-	-	-	-
	6,000	-	7,415	9,604	11,299	14,830	19,067	22,598	29,660	33,897	44,496
	8,000	-	5,791	7,627	9,534	11,476	15,183	19,067	22,952	28,602	34,431
	10,000	-	4,696	6,073	7,344	9,357	12,005	14,689	18,714	22,032	28,075
	12,000	-	4,025	5,297	6,532	8,051	10,593	13,065	16,101	18,893	24,155
SHAFT POWER(HP)		220	300	400	500	600	800	1,000	1,200	1,500	1,800
EXHAUST PIPE (in)	4,000	16	20	-	-	-	-	-	-	-	-
	6,000	-	16	16	20	20	24	28	28	32	36
	8,000	-	16	16	16	20	24	24	28	28	32
	10,000	-	12	16	16	16	20	24	24	24	28
	12,000	-	10	12	16	16	16	20	24	24	28
DIMENSION (ft)	W	3.94	3.94	4.92	5.25	6.23	7.22	10.50	6.56	21.3	21.33
	L	7.22	7.22	8.36	9.68	11.48	13.1	11.3	19.7	9.8	9.84
	H	6.56	6.56	6.56	6.56	6.56	6.56	6.56	7.2	6.89	6.89
WEIGHT(lbs)		2,867	3,308	3,749	4,410	6,615	7,718	11,025	13,230	17,637	22,046
BLOW OFF V/V(in)		7	7	7	7*2	7*2	7*2	7*4	7*4	7*6	175*6
NO FUSE BREAKER(A)		400	500	630	800	500*2	630*2	800*2	800*2	800*3	1,000*3



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