

WL-Series

The Highest Efficiency Turbo Blower



We have developed Turbo blowers for 15 years. And Our final decision is the WL-Series.

- The world best efficiency machine
- High speed permanent magnet motor
- Air foil bearing
- 100% oil less system.
- Variable flow rate control in the working area
- Less vibration and less noise design
- Object-oriented product structure (Easy control, installation and maintenance)
- More than 30% Energy Saving
- Semi-permanent life

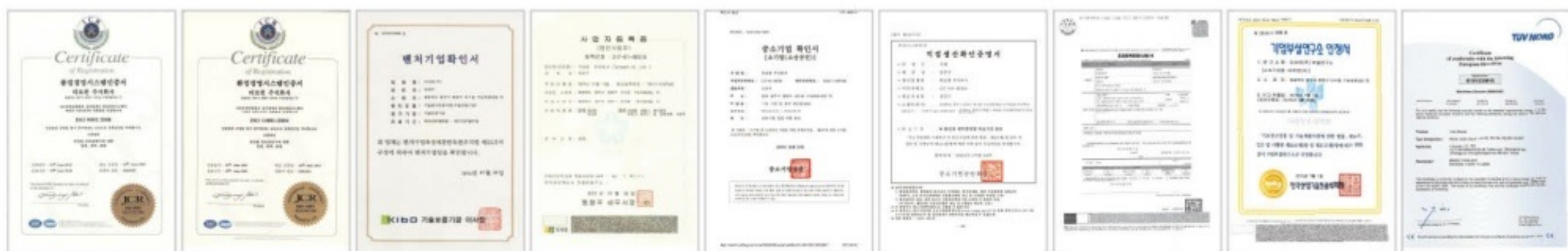


Purpose of Turbo blower

- Wastewater treatment plant** | Oxygen supply and wastewater flitting / Grit tank cleaning, Backwash, etc.
- Pressed Transportation for raw materials** | the form of powder or bulk materials transport
- Cement production process** | cement / lime / coal powder transportation, combustion gas / DUST process of heat treatment processes
- Thermal power generation** | coal dust / Fly-ash, fuel gas desulfurization (Oxidation)
- Water Treatment Process** | Air supplying for Ozone & filter washing machine
- Food and chemical treatment processes** | dry bulk, and food and beverage, transportation, such as medicine / Manufacturing
- Chemical and petrochemical processes** | compressed gas transportation and processing
- Metal processing and mining** | ferrous / non-ferrous transport and oxidation treatment, sludge drying filter, casting wastewater treatment

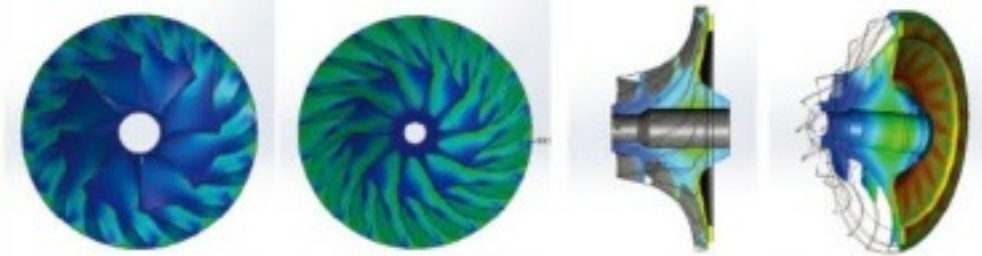


Certification



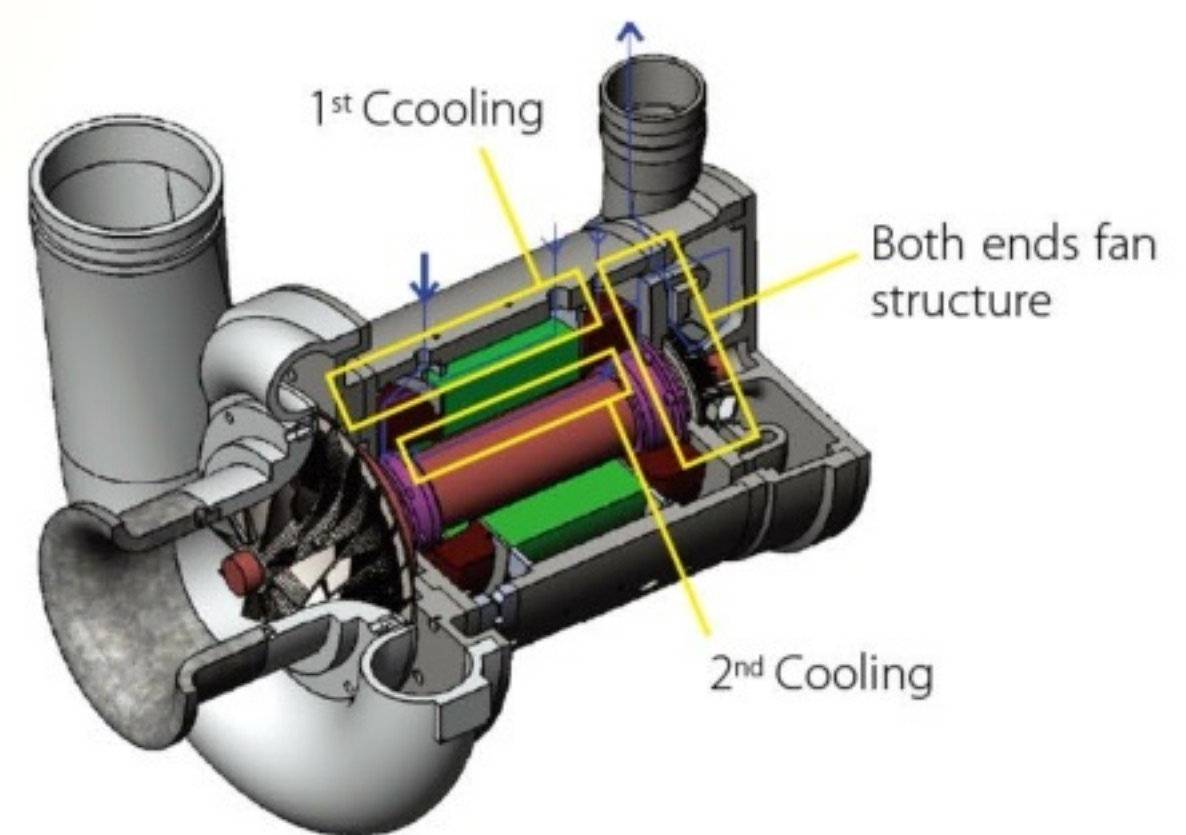
Aluminum Alloy , AL7075-T651

WL-Series are applied a high-strength aluminum alloy impeller (0.001mm precision machining). The produced impellers are always same quality and high efficiency. Excellent surface finish and Hard Anodizing Coating are applied to perform the strong outstanding resistance for humidity and chemical harsh environments. Also, it makes the best air foil bearing durability because the material is the most lightweight compare to other impeller materials.



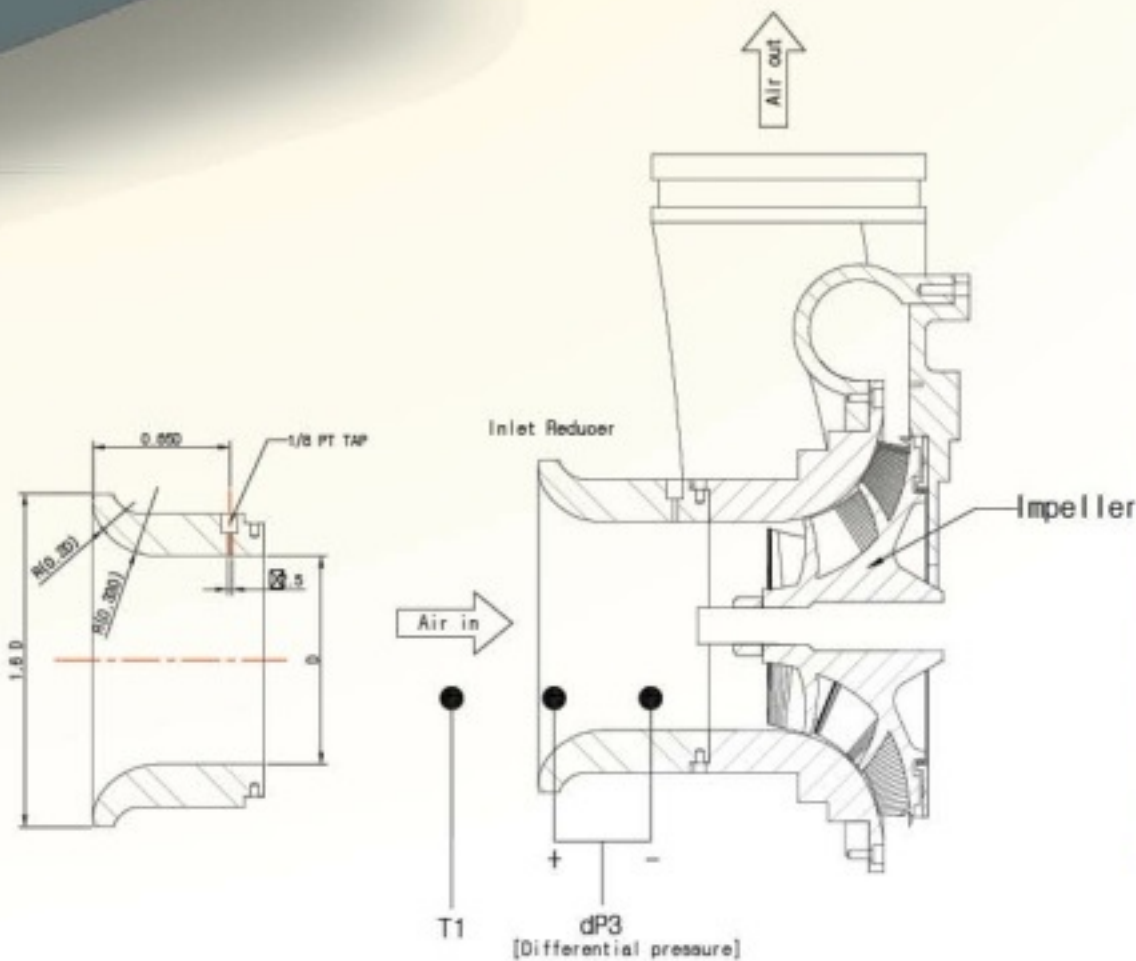
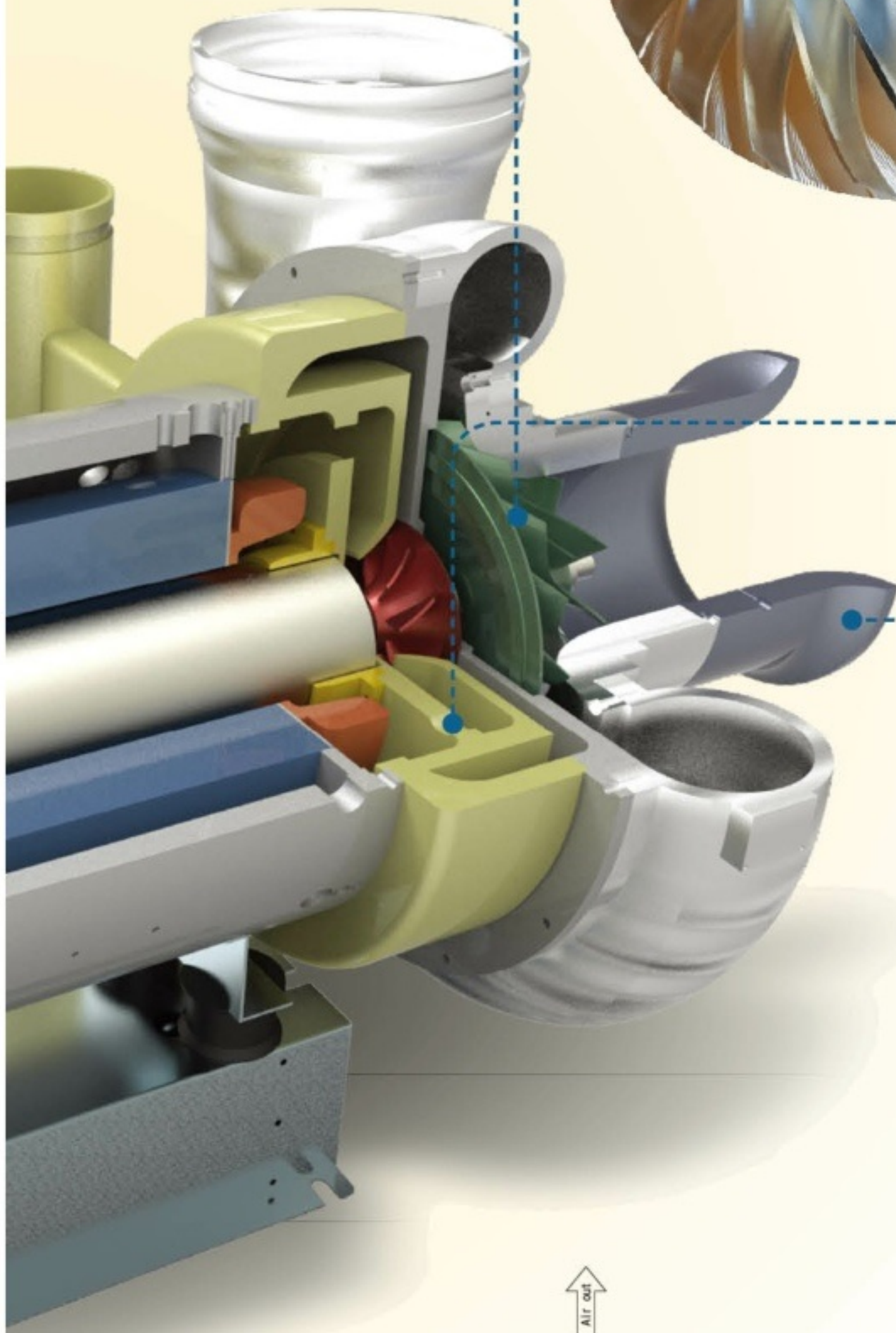
Motor cooling system

WL-Series Motors are double cooling structure to maximize cooling efficiency. After first cooling for the outside of stator, secondly it cools Air foil bearing, Winding and Rotor. This powerful cooling mechanism is applied to our all products without any extra cooling system (External Fan & inverter, sine filter and etc.). In addition, both ends of the cooling suctioning structure increased the bearing life and durability longer.



Instantaneous flow measurement system (JIS B 8340)

The bell mouth flowmeters help to measure the flow rate in $\pm 0.5\%$ error

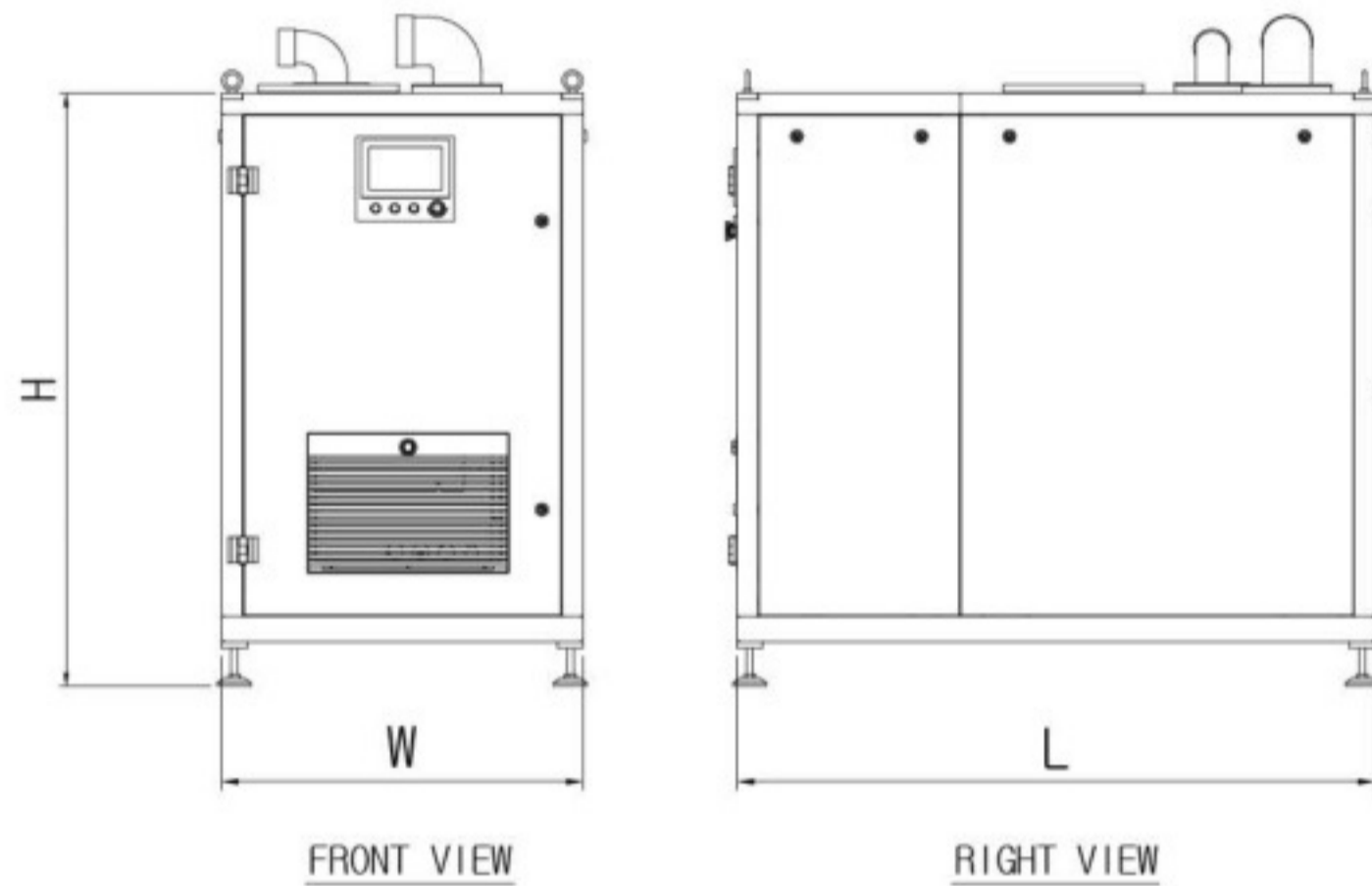


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Specification & Dimension



SPECIFICATION		WL30	WL50	WL75	WL100	WL120	WL150	WL200	WL250	WL20004T	WL300T	WL400T
TYPE		SINGLE TYPE								TWIN TYPE		
DISCHARGE PRESSURE (mmAq)		Air Flow (m3/min) : 1atm, 20°C, 65%RH, density =1.2kg/m3, Tolerance=±5%										
4,000		-	-	-	-	-	-	-	-	200	-	-
6,000		20	34	51	69	85	105	140	160	-	210	272
7,000		18	30	45	60	73	90	120	148	-	180	240
8,000		17	28	42	55	70	84	109	135	-	164	215
9,000		-	-	37	50	-	71	92	109	-	140	-
10,000		-	-	34	45	-	65	87	104	-	133	-
SHAFT POWER(HP)		30	50	75	100	120	150	210	250	220	300	420
EXHAUST PIPE		150A	150A	200A	200A	200A	300A	300A	300A	400A	400A	500A
DIMENSION (mm)	W	700	700	850	850	850	900	900	900	1200	1200	1200
	L	130	1300	1500	1500	1500	1800	1800	1800	2200	2200	2200
	H	1100	1100	1400	1400	1400	1650	1650	1650	2000	2000	2000
Weight(kg)		600	600	720	750	800	950	1000	1050	1200	1300	1500

- Standard : Intake Filter & BOV(Blow-Off Valve)
- Option : Discharge Silencer, Check Valve, Expansion Joint