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SeAH TURBO BLOWER

Eco-friendly, High Efficiency Turbo Blower

SeAH Engineering

Being a industry leader,
High efficiency turbo blower for green future

The best technology for turbo blower in the same field achieved by long-term, constant research and development realizes turbo blowers meeting the needs of low-energy green future.

PROVEN TECHNOLOGY IN A LEADING DESIGN

The most cost effective technology for driving down your energy

- Optimally integrated core technologies for air foil bearings, motors, impellers, etc. provides stability and reliability for operation.
- Optimized motor speed control technology using inverter(VFD) makes it possible to minimize energy consumption and maximize customer's productivity.

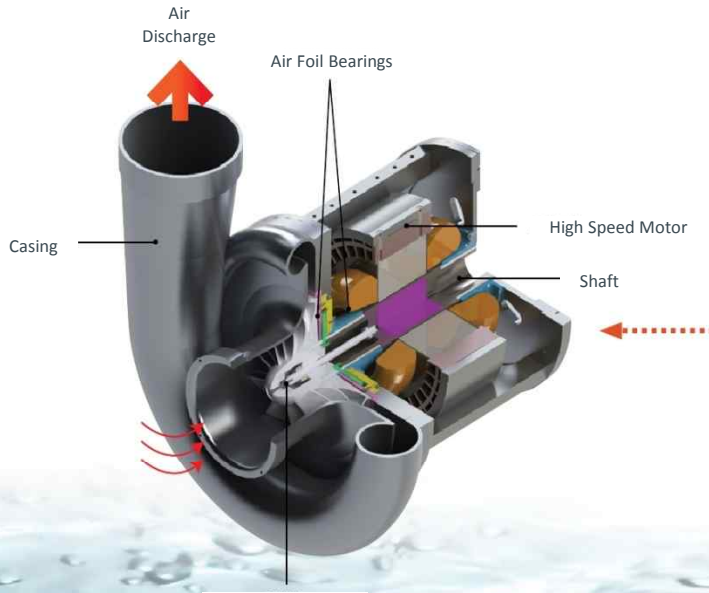
Providing all-in-one packages of what you want

- Realizes single unit package integrating all functions such as PLC, VFD, etc.
- State-of-the-art customized design provides power and time saving effects without auxiliaries.

Keeping working environment with your peace of mind

- 100% oil less operation makes turbo blowers free from productivity loss and maintenance expense due to oil permeation.
- Provides comfortable operation with low vibration and noise less than 80dBA, not requiring additional foundation work.

THE FULL FEATURE OF THE TURBO BLOWER



THE PERFECT HARMONY IN EVERY TECHNOLOGY DETAIL

High efficiency and eco-friendly turbo blowers by perfect combination between stability and efficiency.

UNIQUE AIR FOIL BEARINGS

- Adoption of hydrodynamic design to use air film between shaft and bearings made by high speed rotors
- Adoption of non-contact bearings without friction with shafts during rotation maximizes energy efficiency
- 100% oil less & air lubricated operation

ADVANCED CONTROL AND MONITORING

- Providing a user-friendly interface with graphical display
- Realization of Plug & Play solution enables quick installation with minimum preparation
- Application of PLC control provides operation more versatile and flexible to environmental changes
- Provides various operating modes and communication protocol

HIGHEST DURABILITY, HIGH SPEED MOTOR

- Patented self-cooling system provides high efficiency over whole working range during high speed rotation (Pat. No. : 10-0481600)
- Featuring a simple design, it also provides excellent durability in extreme conditions
- Adoption of high speed induction or permanent magnet synchronous motors.

HIGH EFFICIENT MILLED IMPELLER

- Adoption of high efficiency backward lean type impellers
- Optimized assembly technology between essential components provides high efficiency and wide range of operation
- 5-axis CNC machining provides greatly precise design shape and superb durability

SIMPLE AND POWERFUL COOLING SYSTEM

- Adoption of simple and high efficiency cooling system without auxiliaries (air / liquid cooling type)
- Self-cooling system by inlet air for motor and electrical parts

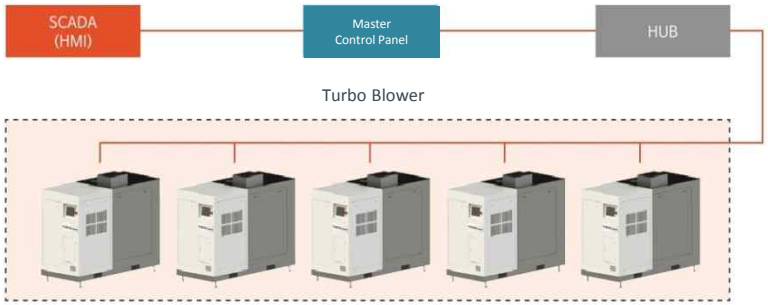
MAXIMIZE YOUR BENEFITS

- Realization of low-noise system less than 80dBA by standardization of enclosures, which enables installation in residential area
- Cost reduction by space saving and easy installation
- 100% oil free system provides comfortable operation

FIND OUT HOW MUCH YOU CAN SAVE

PROVIDING TOTAL MANAGEMENT SOLUTION

- Realization of optimized operation solution by flexible controls.
- Computerized intelligent group control and monitoring system provide stability for operation.



EASY MAINTENANCE WITH REASONABLE COST

- Easy replacement process of components maximizes customer's convenience.
- Simple and easy maintenance process provides high efficiency operation by reducing maintenance expenses and hours.

Coolant

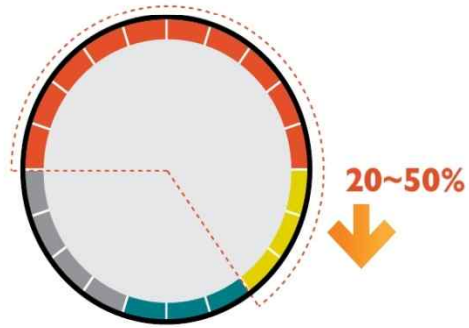
Air Filter

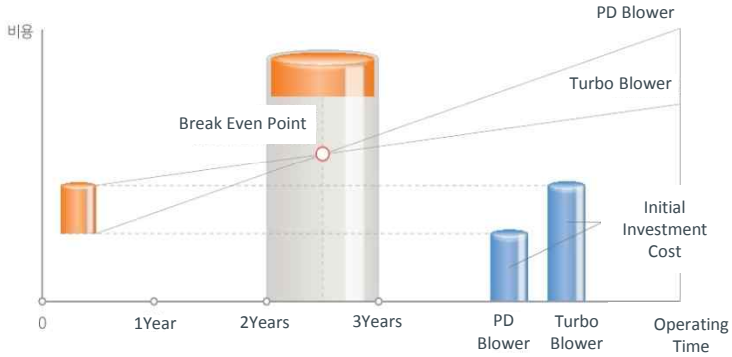
※ Only applicable to high capacity models

ENERGY SAVINGS OF UP TO 20~50%

Turbo blowers secure customer's profits by greatly reducing operation expenses compared to conventional models. Excellent energy saving technologies for operation enable customer's investment recovery within two or three years.

- Adoption of VFD
- Adjusting motor speeds precisely according to air demand
- Maximum 20~50% savings on energy costs for operation
- Focused on energy cost reduction and maximization of customer's profits

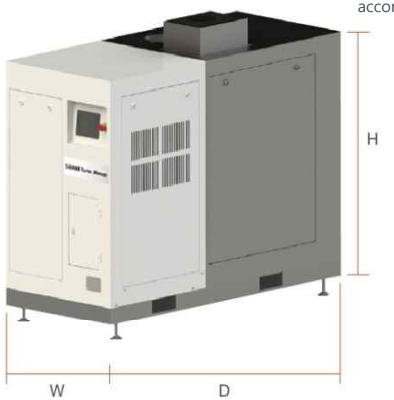




Economical effects compared to PD Blower

TECHNICAL DATA

Front View



Rear View

※ Allowing to select according to site

Standard Type

Duct(Flange) Type

MODEL SELECTION TABLE

MODEL		GT5	GT10	NGT20	NGT30	NGT50	NGT75	NGT100
Suction Flow (㎥/min)		3.5~4.6	6.5~8.0	12~19	18~26	16~44	22~62	28~71
Dis. Pressure (kgf/㎠G)		0.3~0.6		0.3~0.8		0.3~1.5		
Dimension	W (mm)	600		750		750	850	
	D (mm)	850		1580		1650	2000	
	H (mm)	900		1150		1150	1370	

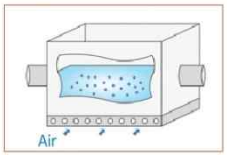
MODEL		NGT125	NGT150	NGT200	NGT250	NGT300	NGT350	NGT400
Suction Flow (㎥/min)		46~98	63~120	86~162	90~193	130~255	144~266	172~324
Dis. Pressure (kgf/㎠G)		0.3~1.0						
Dimension	W (mm)	950	950	950	1300		1600	
	D (mm)	2250	1950	2050	2000		2100	
	H (mm)	1500	1550	1550	1765		1810	

※ Operation Conditions : 20˚C, 1.033kgf/cm², 65%RH
※ Tolerance : ±5%
※ As the above data may be revised, as the case may be, without any notification, consultation with manufacturer is required.
※ Contact manufacturers for other special specifications such as Outdoor type, Separate type, Explosion proof, High Pressure Compressors, etc.

APPLICATION

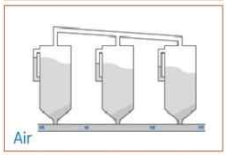
WATER AND WASTEWATER TREATMENT

- Supplies compressed air to water treatment facilities such as waste water disposal plant , filtration plant, excreta treatment facilities, etc. for wastewater treatment microorganism
- Increases the active oxygen with lower discharge temperature and maximize productivity



PNEUMATIC CONVEYING

- Conveys powder materials such as cement, pellet, etc. by feeding compressed air to transfer line
- Use a induction type motor in poor environment with impurities (Iron content)



OTHERS

- Utilized for various purposes such as dry, dehumidification, burner, desulfurization, etc. in industrial sites
- Drying the goods by compressed air without the heating device and raise the production efficiency