

HT10

PERFORMANCE CRITERIA FOR HT10 TURBO BLOWER

For correct operation of this unit, the following maximum conditions must not be exceeded :-

Speed (maximum)	44000rpm
Airflow	180-480m3/h
Pressure	300-800mbar
Axial power	7.5kW
VDF Voltage	380 - 480V
VDF Frequency	50 - 60Hz

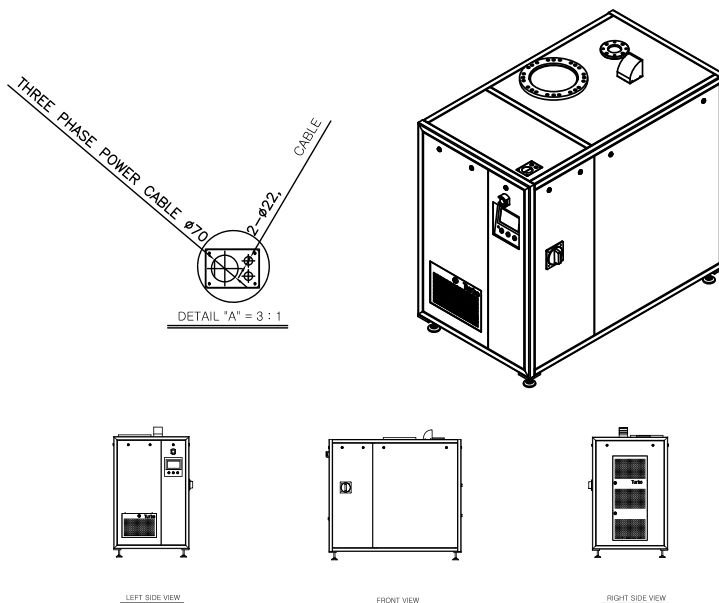
CONTROL / INSTRUMENTATION

Type of Controller	PLC
Network to SCADA, MCP	Standard : MODBUS TCP/IP and MODBUS RTU Optional : PROFIBUS-DP and ETHERNET IP
Input	Analog : 4-20 mA or 0-10v / digital : Dry contact
Output	Analog : 4-20 mA or 0-10v / digital : Relay (2A)
Interface	7" Touchscreen
Total weight	350kg

$$\text{Pressure ratio} = \frac{\text{Absolute outlet pressure}}{\text{Absolute inlet pressure}}$$

Normal (sea level) ambient conditions are 1013 mbar & 15 deg C.

A BLOWER is a unit in which the inlet pressure is substantially equal to the ambient pressure.



Size: 700 (w) x 1200 (l) x 1120 (h)

Dimensions in millimetres (inch conversions in brackets)

UNIQUE FEATURES

- * Around 20% more energy efficient than PD blowers
- * Noise levels are typically around 75-80dB(A)
- * 100% lubricant free due to air foil bearings
- * Compact size and light weight compared to PD blowers
- * Low maintenance, no lubricants only filter change needed

SPECIFICATION

PMS motors: Are optimised for high speed rotation, minimising current loss and delivering a maximum efficiency of 98%. No power loss due to direct drive. Stop-start test conducted over 100,000 times.

Air Foil bearings: Are 100% lubricant free, contactless and eco-friendly. Special coating reduces frictional wear providing long service life. No maintenance needed.

Impeller: Made from high strength heat treated aluminium. Manufactured with state-of-the-art aerodynamic technology. High precision 5-axis machining ensures wide flow range and surge margin. Anodised coating enhances surface strength.

Cooling System: Self-cooling system so no separate power source required. No maintenance required.

Inverter: Less than 1% starting current. 0.3% Unload Power Consumption. KEB (Kinetic Energy Back-up) function for enhanced safety in case of power failure.

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All blowers are individually tested. Test certificates will be issued if requested.

A comprehensive Installation and Operating Instruction folder is supplied with every blower.

HT20

PERFORMANCE CRITERIA FOR HT20 TURBO BLOWER

For correct operation of this unit, the following maximum conditions must not be exceeded :-

Speed (maximum)	42000rpm
Airflow	360-900m3/h
Pressure	300-800mbar
Axial power	15kW
VDF Voltage	380 - 480V
VDF Frequency	50 - 60Hz

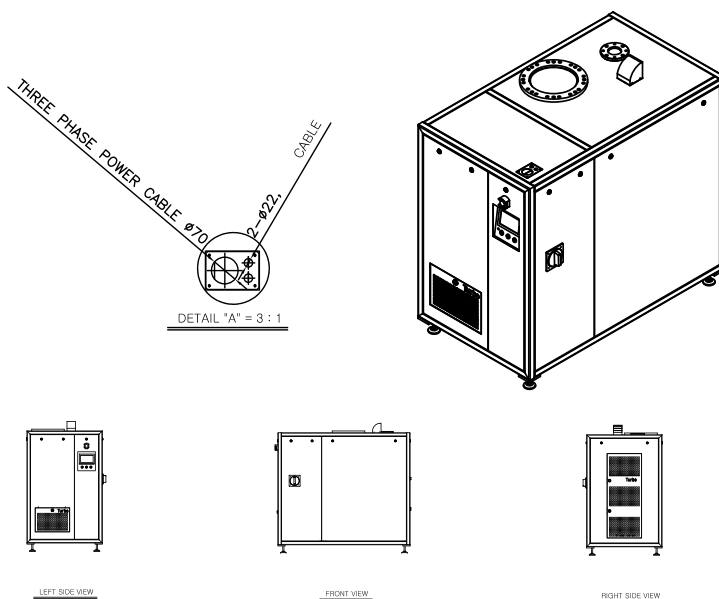
CONTROL / INSTRUMENTATION

Type of Controller	PLC
Network to SCADA, MCP	Standard : MODBUS TCP/IP and MODBUS RTU Optional : PROFIBUS-DP and ETHERNET IP
Input	Analog : 4-20 mA or 0-10v / digital : Dry contact
Output	Analog : 4-20 mA or 0-10v / digital : Relay (2A)
Interface	7" Touchscreen
Total weight	350kg

$$\text{Pressure ratio} = \frac{\text{Absolute outlet pressure}}{\text{Absolute inlet pressure}}$$

Normal (sea level) ambient conditions are 1013 mbar & 15 deg C.

A BLOWER is a unit in which the inlet pressure is substantially equal to the ambient pressure.



Size: 700 (w) x 1200 (l) x 1120 (h)

Dimensions in millimetres (inch conversions in brackets)

UNIQUE FEATURES

- * Around 20% more energy efficient than PD blowers
- * Noise levels are typically around 75-80dB(A)
- * 100% lubricant free due to air foil bearings
- * Compact size and light weight compared to PD blowers
- * Low maintenance, no lubricants only filter change needed

SPECIFICATION

PMS motors: Are optimised for high speed rotation, minimising current loss and delivering a maximum efficiency of 98%. No power loss due to direct drive. Stop-start test conducted over 100,000 times.

Air Foil bearings: Are 100% lubricant free, contactless and eco-friendly. Special coating reduces frictional wear providing long service life. No maintenance needed.

Impeller: Made from high strength heat treated aluminium. Manufactured with state-of-the-art aerodynamic technology. High precision 5-axis machining ensures wide flow range and surge margin. Anodised coating enhances surface strength.

Cooling System: Self-cooling system so no separate power source required. No maintenance required.

Inverter: Less than 1% starting current. 0.3% Unload Power Consumption. KEB (Kinetic Energy Back-up) function for enhanced safety in case of power failure.

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HT30

PERFORMANCE CRITERIA FOR HT30 TURBO BLOWER

For correct operation of this unit, the following maximum conditions must not be exceeded :-

Speed (maximum)	42000rpm
Airflow	420-1500m3/h
Pressure	300-800mbar
Axial power	22kW
VDF Voltage	380 - 480V
VDF Frequency	50 - 60Hz

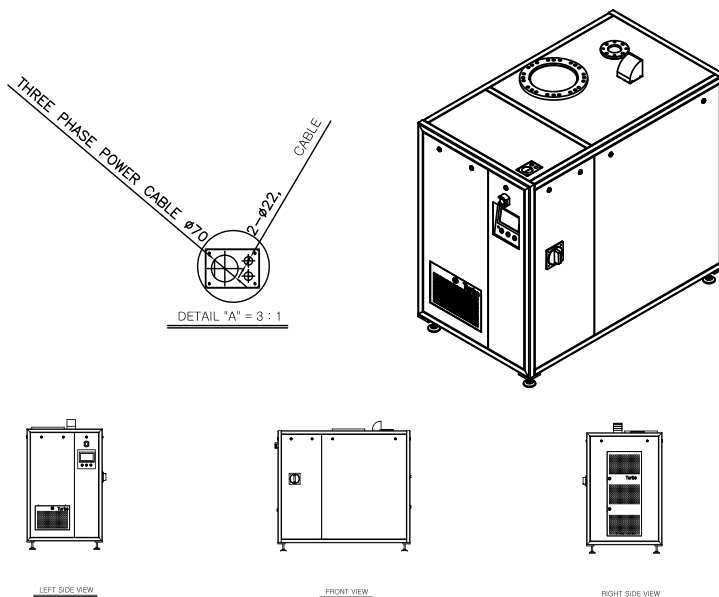
CONTROL / INSTRUMENTATION

Type of Controller	PLC
Network to SCADA, MCP	Standard : MODBUS TCP/IP and MODBUS RTU Optional : PROFIBUS-DP and ETHERNET IP
Input	Analog : 4-20 mA or 0-10v / digital : Dry contact
Output	Analog : 4-20 mA or 0-10v / digital : Relay (2A)
Interface	7" Touchscreen
Total weight	350kg

$$\text{Pressure ratio} = \frac{\text{Absolute outlet pressure}}{\text{Absolute inlet pressure}}$$

Normal (sea level) ambient conditions are 1013 mbar & 15 deg C.

A BLOWER is a unit in which the inlet pressure is substantially equal to the ambient pressure.



Size: 700 (w) x 1200 (l) x 1120 (h)

Dimensions in millimetres (inch conversions in brackets)

UNIQUE FEATURES

- * Around 20% more energy efficient than PD blowers
- * Noise levels are typically around 75-80dB(A)
- * 100% lubricant free due to air foil bearings
- * Compact size and light weight compared to PD blowers
- * Low maintenance, no lubricants only filter change needed

SPECIFICATION

PMS motors: Are optimised for high speed rotation, minimising current loss and delivering a maximum efficiency of 98%. No power loss due to direct drive. Stop-start test conducted over 100,000 times.

Air Foil bearings: Are 100% lubricant free, contactless and eco-friendly. Special coating reduces frictional wear providing long service life. No maintenance needed.

Impeller: Made from high strength heat treated aluminium. Manufactured with state-of-the-art aerodynamic technology. High precision 5-axis machining ensures wide flow range and surge margin. Anodised coating enhances surface strength.

Cooling System: Self-cooling system so no separate power source required. No maintenance required.

Inverter: Less than 1% starting current. 0.3% Unload Power Consumption. KEB (Kinetic Energy Back-up) function for enhanced safety in case of power failure.

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HT50

PERFORMANCE CRITERIA FOR HT50 TURBO BLOWER

For correct operation of this unit, the following maximum conditions must not be exceeded :-

Speed (maximum)	47000rpm
Airflow	600-2520m3/h
Pressure	300-800mbar
Axial power	37kW
VDF Voltage	380 - 480V
VDF Frequency	50 - 60Hz

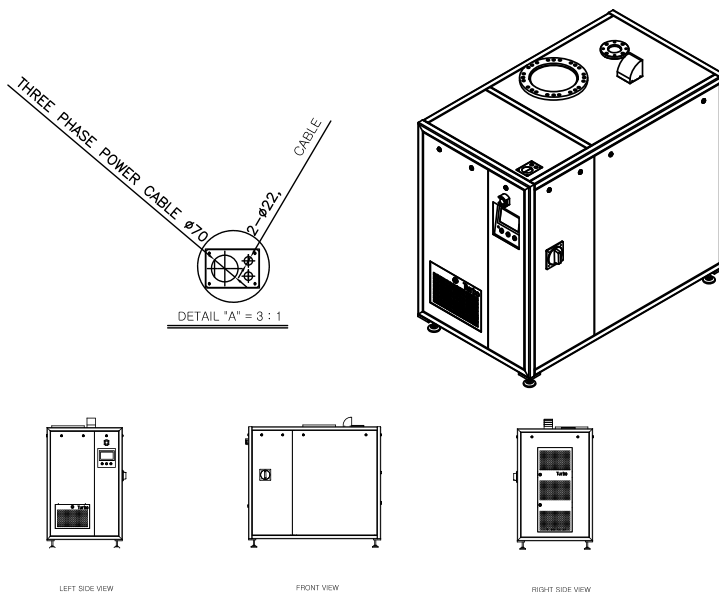
CONTROL / INSTRUMENTATION

Type of Controller	PLC
Network to SCADA, MCP	Standard : MODBUS TCP/IP and MODBUS RTU Optional : PROFIBUS-DP and ETHERNET IP
Input	Analog : 4-20 mA or 0-10v / digital : Dry contact
Output	Analog : 4-20 mA or 0-10v / digital : Relay (2A)
Interface	7" Touchscreen
Total weight	344kg

$$\text{Pressure ratio} = \frac{\text{Absolute outlet pressure}}{\text{Absolute inlet pressure}}$$

Normal (sea level) ambient conditions are 1013 mbar & 15 deg C.

A BLOWER is a unit in which the inlet pressure is substantially equal to the ambient pressure.



Size: 700 (w) x 1200 (l) x 1120 (h)

Dimensions in millimetres (inch conversions in brackets)

UNIQUE FEATURES

- * Around 20% more energy efficient than PD blowers
- * Noise levels are typically around 75-80dB(A)
- * 100% lubricant free due to air foil bearings
- * Compact size and light weight compared to PD blowers
- * Low maintenance, no lubricants only filter change needed

SPECIFICATION

PMS motors: Are optimised for high speed rotation, minimising current loss and delivering a maximum efficiency of 98%. No power loss due to direct drive. Stop-start test conducted over 100,000 times.

Air Foil bearings: Are 100% lubricant free, contactless and eco-friendly. Special coating reduces frictional wear providing long service life. No maintenance needed.

Impeller: Made from high strength heat treated aluminium. Manufactured with state-of-the-art aerodynamic technology. High precision 5-axis machining ensures wide flow range and surge margin. Anodised coating enhances surface strength.

Cooling System: Self-cooling system so no separate power source required. No maintenance required.

Inverter: Less than 1% starting current. 0.3% Unload Power Consumption. KEB (Kinetic Energy Back-up) function for enhanced safety in case of power failure.

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HT75

PERFORMANCE CRITERIA FOR HT75 TURBO BLOWER

For correct operation of this unit, the following maximum conditions must not be exceeded :-

Speed (maximum)	35000rpm
Airflow	1080-3720m3/h
Pressure	300-1000mbar
Axial power	56kW
VDF Voltage	380 - 480V
VDF Frequency	50 - 60Hz

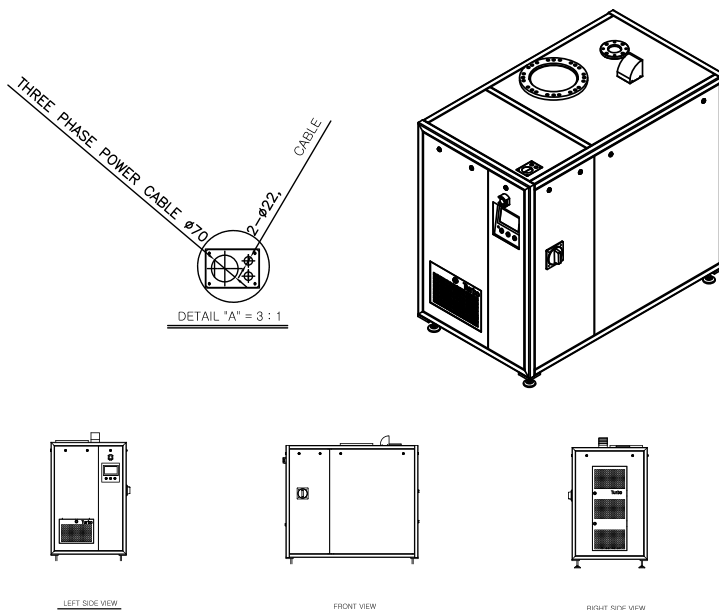
CONTROL / INSTRUMENTATION

Type of Controller	PLC
Network to SCADA, MCP	Standard : MODBUS TCP/IP and MODBUS RTU Optional : PROFIBUS-DP and ETHERNET IP
Input	Analog : 4-20 mA or 0-10v / digital : Dry contact
Output	Analog : 4-20 mA or 0-10v / digital : Relay (2A)
Interface	7" Touchscreen
Total weight	523kg

$$\text{Pressure ratio} = \frac{\text{Absolute outlet pressure}}{\text{Absolute inlet pressure}}$$

Normal (sea level) ambient conditions are 1013 mbar & 15 deg C.

A BLOWER is a unit in which the inlet pressure is substantially equal to the ambient pressure.



Size: 1033 (w) x 1690 (l) x 1425 (h)

Dimensions in millimetres (inch conversions in brackets)

UNIQUE FEATURES

- * Around 20% more energy efficient than PD blowers
- * Noise levels are typically around 75-80dB(A)
- * 100% lubricant free due to air foil bearings
- * Compact size and light weight compared to PD blowers
- * Low maintenance, no lubricants only filter change needed

SPECIFICATION

PMS motors: Are optimised for high speed rotation, minimising current loss and delivering a maximum efficiency of 98%. No power loss due to direct drive. Stop-start test conducted over 100,000 times.

Air Foil bearings: Are 100% lubricant free, contactless and eco-friendly. Special coating reduces frictional wear providing long service life. No maintenance needed.

Impeller: Made from high strength heat treated aluminium. Manufactured with state-of-the-art aerodynamic technology. High precision 5-axis machining ensures wide flow range and surge margin. Anodised coating enhances surface strength.

Cooling System: Self-cooling system so no separate power source required. No maintenance required.

Inverter: Less than 1% starting current. 0.3% Unload Power Consumption. KEB (Kinetic Energy Back-up) function for enhanced safety in case of power failure.

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HT100

PERFORMANCE CRITERIA FOR HT100 TURBO BLOWER

For correct operation of this unit, the following maximum conditions must not be exceeded :-

Speed (maximum)	36000rpm
Airflow	1380-6300m3/h
Pressure	300-1000mbar
Axial power	75kW
VDF Voltage	380 - 480V
VDF Frequency	50 - 60Hz

CONTROL / INSTRUMENTATION

Type of Controller	PLC
Network to SCADA, MCP	Standard : MODBUS TCP/IP and MODBUS RTU Optional : PROFIBUS-DP and ETHERNET IP
Input	Analog : 4-20 mA or 0-10v / digital : Dry contact
Output	Analog : 4-20 mA or 0-10v / digital : Relay (2A)
Interface	7" Touchscreen
Total weight	546kg

$$\text{Pressure ratio} = \frac{\text{Absolute outlet pressure}}{\text{Absolute inlet pressure}}$$

Normal (sea level) ambient conditions are 1013 mbar & 15 deg C.

A BLOWER is a unit in which the inlet pressure is substantially equal to the ambient pressure.

UNIQUE FEATURES

- * Around 20% more energy efficient than PD blowers
- * Noise levels are typically around 75-80dB(A)
- * 100% lubricant free due to air foil bearings
- * Compact size and light weight compared to PD blowers
- * Low maintenance, no lubricants only filter change needed

SPECIFICATION

PMS motors: Are optimised for high speed rotation, minimising current loss and delivering a maximum efficiency of 98%. No power loss due to direct drive. Stop-start test conducted over 100,000 times.

Air Foil bearings: Are 100% lubricant free, contactless and eco-friendly. Special coating reduces frictional wear providing long service life. No maintenance needed.

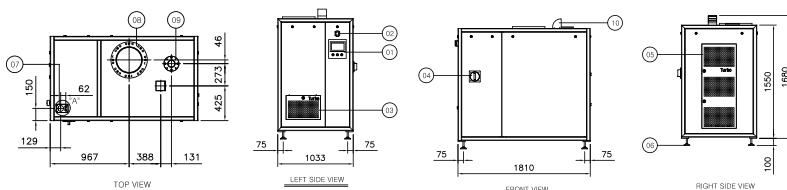
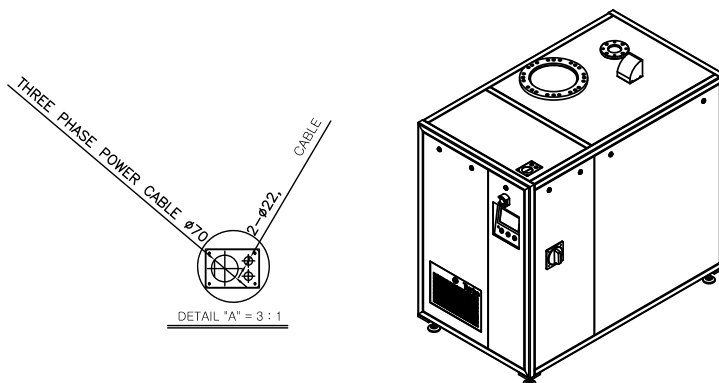
Impeller: Made from high strength heat treated aluminium. Manufactured with state-of-the-art aerodynamic technology. High precision 5-axis machining ensures wide flow range and surge margin. Anodised coating enhances surface strength.

Cooling System: Self-cooling system so no separate power source required. No maintenance required.

Inverter: Less than 1% starting current. 0.3% Unload Power Consumption. KEB (Kinetic Energy Back-up) function for enhanced safety in case of power failure.

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weight: 546kg

Dimensions in millimetres (inch conversions in brackets)

HT125

PERFORMANCE CRITERIA FOR HT125 TURBO BLOWER

For correct operation of this unit, the following maximum conditions must not be exceeded :-

Speed (maximum)	34000rpm
Airflow	1500-6900m3/h
Pressure	300-800mbar
Axial power	93kW
VDF Voltage	380 - 480V
VDF Frequency	50 - 60Hz

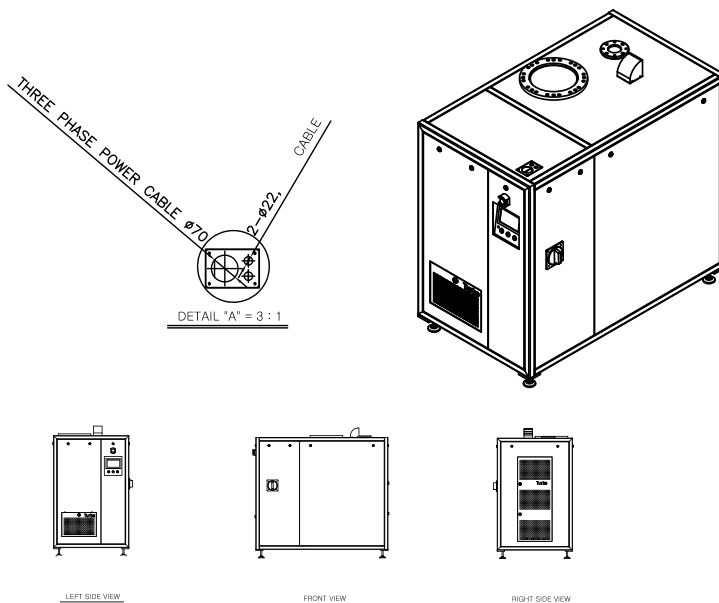
CONTROL / INSTRUMENTATION

Type of Controller	PLC
Network to SCADA, MCP	Standard : MODBUS TCP/IP and MODBUS RTU Optional : PROFIBUS-DP and ETHERNET IP
Input	Analog : 4-20 mA or 0-10v / digital : Dry contact
Output	Analog : 4-20 mA or 0-10v / digital : Relay (2A)
Interface	7" Touchscreen
Total weight	546kg

$$\text{Pressure ratio} = \frac{\text{Absolute outlet pressure}}{\text{Absolute inlet pressure}}$$

Normal (sea level) ambient conditions are 1013 mbar & 15 deg C.

A BLOWER is a unit in which the inlet pressure is substantially equal to the ambient pressure.



Size: 1033 (w) x 1690 (l) x 1425 (h)

Dimensions in millimetres (inch conversions in brackets)

UNIQUE FEATURES

- * Around 20% more energy efficient than PD blowers
- * Noise levels are typically around 75-80dB(A)
- * 100% lubricant free due to air foil bearings
- * Compact size and light weight compared to PD blowers
- * Low maintenance, no lubricants only filter change needed

SPECIFICATION

PMS motors: Are optimised for high speed rotation, minimising current loss and delivering a maximum efficiency of 98%. No power loss due to direct drive. Stop-start test conducted over 100,000 times.

Air Foil bearings: Are 100% lubricant free, contactless and eco-friendly. Special coating reduces frictional wear providing long service life. No maintenance needed.

Impeller: Made from high strength heat treated aluminium. Manufactured with state-of-the-art aerodynamic technology. High precision 5-axis machining ensures wide flow range and surge margin. Anodised coating enhances surface strength.

Cooling System: Self-cooling system so no separate power source required. No maintenance required.

Inverter: Less than 1% starting current. 0.3% Unload Power Consumption. KEB (Kinetic Energy Back-up) function for enhanced safety in case of power failure.

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All blowers are individually tested. Test certificates will be issued if requested.

A comprehensive Installation and Operating Instruction folder is supplied with every blower.

HT125

PERFORMANCE CRITERIA FOR HT125 TURBO BLOWER

For correct operation of this unit, the following maximum conditions must not be exceeded :-

Speed (maximum)	34000rpm
Airflow	1500-6900m3/h
Pressure	300-800mbar
Axial power	93kW
VDF Voltage	380 - 480V
VDF Frequency	50 - 60Hz

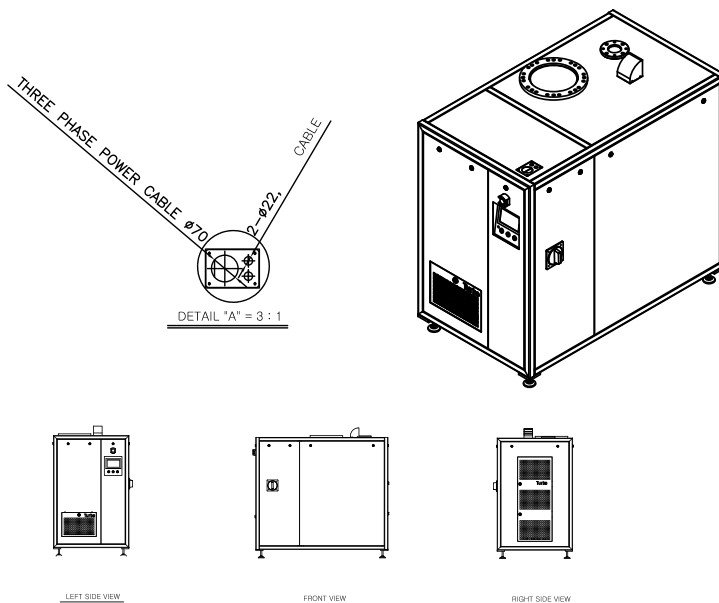
CONTROL / INSTRUMENTATION

Type of Controller	PLC
Network to SCADA, MCP	Standard : MODBUS TCP/IP and MODBUS RTU Optional : PROFIBUS-DP and ETHERNET IP
Input	Analog : 4-20 mA or 0-10v / digital : Dry contact
Output	Analog : 4-20 mA or 0-10v / digital : Relay (2A)
Interface	7" Touchscreen
Total weight	546kg

$$\text{Pressure ratio} = \frac{\text{Absolute outlet pressure}}{\text{Absolute inlet pressure}}$$

Normal (sea level) ambient conditions are 1013 mbar & 15 deg C.

A BLOWER is a unit in which the inlet pressure is substantially equal to the ambient pressure.



Size: 1033 (w) x 1690 (l) x 1425 (h)

Dimensions in millimetres (inch conversions in brackets)

UNIQUE FEATURES

- * Around 20% more energy efficient than PD blowers
- * Noise levels are typically around 75-80dB(A)
- * 100% lubricant free due to air foil bearings
- * Compact size and light weight compared to PD blowers
- * Low maintenance, no lubricants only filter change needed

SPECIFICATION

PMS motors: Are optimised for high speed rotation, minimising current loss and delivering a maximum efficiency of 98%. No power loss due to direct drive. Stop-start test conducted over 100,000 times.

Air Foil bearings: Are 100% lubricant free, contactless and eco-friendly. Special coating reduces frictional wear providing long service life. No maintenance needed.

Impeller: Made from high strength heat treated aluminium. Manufactured with state-of-the-art aerodynamic technology. High precision 5-axis machining ensures wide flow range and surge margin. Anodised coating enhances surface strength.

Cooling System: Self-cooling system so no separate power source required. No maintenance required.

Inverter: Less than 1% starting current. 0.3% Unload Power Consumption. KEB (Kinetic Energy Back-up) function for enhanced safety in case of power failure.

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All blowers are individually tested. Test certificates will be issued if requested.

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HT150

PERFORMANCE CRITERIA FOR HT150 TURBO BLOWER

For correct operation of this unit, the following maximum conditions must not be exceeded :-

Speed (maximum)	35000rpm
Airflow	1680-7800m ³ /h
Pressure	300-1000mbar
Axial power	112kW
VDF Voltage	380 - 480V
VDF Frequency	50 - 60Hz

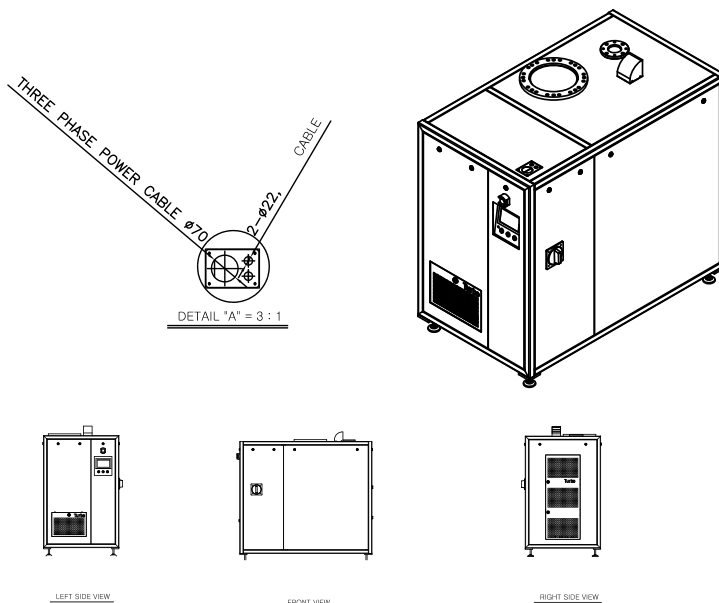
CONTROL / INSTRUMENTATION

Type of Controller	PLC
Network to SCADA, MCP	Standard : MODBUS TCP/IP and MODBUS RTU Optional : PROFIBUS-DP and ETHERNET IP
Input	Analog : 4-20 mA or 0-10v / digital : Dry contact
Output	Analog : 4-20 mA or 0-10v / digital : Relay (2A)
Interface	7" Touchscreen
Total weight	852kg

$$\text{Pressure ratio} = \frac{\text{Absolute outlet pressure}}{\text{Absolute inlet pressure}}$$

Normal (sea level) ambient conditions are 1013 mbar & 15 deg C.

A BLOWER is a unit in which the inlet pressure is substantially equal to the ambient pressure.



Size: 1033 (w) x 2050 (l) x 1697 (h)

Dimensions in millimetres (inch conversions in brackets)

UNIQUE FEATURES

- * Around 20% more energy efficient than PD blowers
- * Noise levels are typically around 75-80dB(A)
- * 100% lubricant free due to air foil bearings
- * Compact size and light weight compared to PD blowers
- * Low maintenance, no lubricants only filter change needed

SPECIFICATION

PMS motors: Are optimised for high speed rotation, minimising current loss and delivering a maximum efficiency of 98%. No power loss due to direct drive. Stop-start test conducted over 100,000 times.

Air Foil bearings: Are 100% lubricant free, contactless and eco-friendly. Special coating reduces frictional wear providing long service life. No maintenance needed.

Impeller: Made from high strength heat treated aluminium. Manufactured with state-of-the-art aerodynamic technology. High precision 5-axis machining ensures wide flow range and surge margin. Anodised coating enhances surface strength.

Cooling System: Self-cooling system so no separate power source required. No maintenance required.

Inverter: Less than 1% starting current. 0.3% Unload Power Consumption. KEB (Kinetic Energy Back-up) function for enhanced safety in case of power failure.

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HT200

PERFORMANCE CRITERIA FOR HT200 TURBO BLOWER

For correct operation of this unit, the following maximum conditions must not be exceeded :-

Speed (maximum)	37000rpm
Airflow	2160-12600m ³ /h
Pressure	300-1000mbar
Axial power	150kW
VDF Voltage	380 - 480V
VDF Frequency	50 - 60Hz

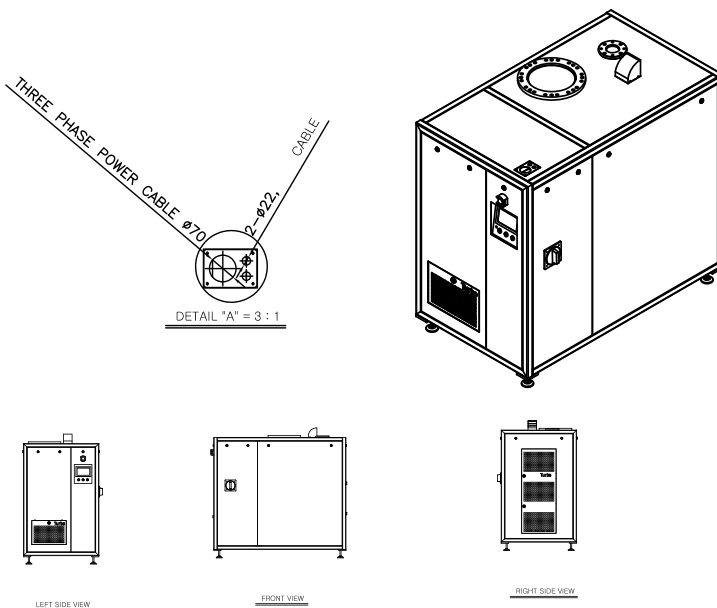
CONTROL / INSTRUMENTATION

Type of Controller	PLC
Network to SCADA, MCP	Standard : MODBUS TCP/IP and MODBUS RTU Optional : PROFIBUS-DP and ETHERNET IP
Input	Analog : 4-20 mA or 0-10v / digital : Dry contact
Output	Analog : 4-20 mA or 0-10v / digital : Relay (2A)
Interface	7" Touchscreen
Total weight	922kg

$$\text{Pressure ratio} = \frac{\text{Absolute outlet pressure}}{\text{Absolute inlet pressure}}$$

Normal (sea level) ambient conditions are 1013 mbar & 15 deg C.

A BLOWER is a unit in which the inlet pressure is substantially equal to the ambient pressure.



Size: 1033 (w) x 2050 (l) x 1697 (h)

Dimensions in millimetres (inch conversions in brackets)

UNIQUE FEATURES

- * Around 20% more energy efficient than PD blowers
- * Noise levels are typically around 75-80dB(A)
- * 100% lubricant free due to air foil bearings
- * Compact size and light weight compared to PD blowers
- * Low maintenance, no lubricants only filter change needed

SPECIFICATION

PMS motors: Are optimised for high speed rotation, minimising current loss and delivering a maximum efficiency of 98%. No power loss due to direct drive. Stop-start test conducted over 100,000 times.

Air Foil bearings: Are 100% lubricant free, contactless and eco-friendly. Special coating reduces frictional wear providing long service life. No maintenance needed.

Impeller: Made from high strength heat treated aluminium. Manufactured with state-of-the-art aerodynamic technology. High precision 5-axis machining ensures wide flow range and surge margin. Anodised coating enhances surface strength.

Cooling System: Self-cooling system so no separate power source required. No maintenance required.

Inverter: Less than 1% starting current. 0.3% Unload Power Consumption. KEB (Kinetic Energy Back-up) function for enhanced safety in case of power failure.

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HT250

PERFORMANCE CRITERIA FOR HT250 TURBO BLOWER

For correct operation of this unit, the following maximum conditions must not be exceeded :-

Speed (maximum)	40000rpm
Airflow	2400-14100m3/h
Pressure	300-1000mbar
Axial power	187kW
VDF Voltage	380 - 480V
VDF Frequency	50 - 60Hz

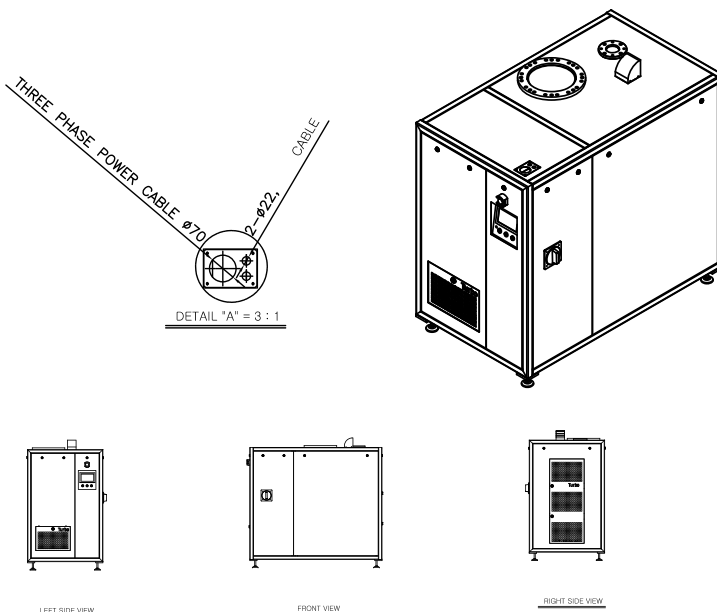
CONTROL / INSTRUMENTATION

Type of Controller	PLC
Network to SCADA, MCP	Standard : MODBUS TCP/IP and MODBUS RTU Optional : PROFIBUS-DP and ETHERNET IP
Input	Analog : 4-20 mA or 0-10v / digital : Dry contact
Output	Analog : 4-20 mA or 0-10v / digital : Relay (2A)
Interface	7" Touchscreen
Total weight	945kg

$$\text{Pressure ratio} = \frac{\text{Absolute outlet pressure}}{\text{Absolute inlet pressure}}$$

Normal (sea level) ambient conditions are 1013 mbar & 15 deg C.

A BLOWER is a unit in which the inlet pressure is substantially equal to the ambient pressure.



Size: 1033 (w) x 2050 (l) x 1697 (h)

Dimensions in millimetres (inch conversions in brackets)

UNIQUE FEATURES

- * Around 20% more energy efficient than PD blowers
- * Noise levels are typically around 75-80dB(A)
- * 100% lubricant free due to air foil bearings
- * Compact size and light weight compared to PD blowers
- * Low maintenance, no lubricants only filter change needed

SPECIFICATION

PMS motors: Are optimised for high speed rotation, minimising current loss and delivering a maximum efficiency of 98%. No power loss due to direct drive. Stop-start test conducted over 100,000 times.

Air Foil bearings: Are 100% lubricant free, contactless and eco-friendly. Special coating reduces frictional wear providing long service life. No maintenance needed.

Impeller: Made from high strength heat treated aluminium. Manufactured with state-of-the-art aerodynamic technology. High precision 5-axis machining ensures wide flow range and surge margin. Anodised coating enhances surface strength.

Cooling System: Self-cooling system so no separate power source required. No maintenance required.

Inverter: Less than 1% starting current. 0.3% Unload Power Consumption. KEB (Kinetic Energy Back-up) function for enhanced safety in case of power failure.

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All blowers are individually tested. Test certificates will be issued if requested.

A comprehensive Installation and Operating Instruction folder is supplied with every blower.

HT300

PERFORMANCE CRITERIA FOR HT300 TURBO BLOWER

For correct operation of this unit, the following maximum conditions must not be exceeded :-

Speed (maximum)	37000rpm
Airflow	4800-15600m3/h
Pressure	300-1000mbar
Axial power	225kW
VDF Voltage	380 - 480V
VDF Frequency	50 - 60Hz

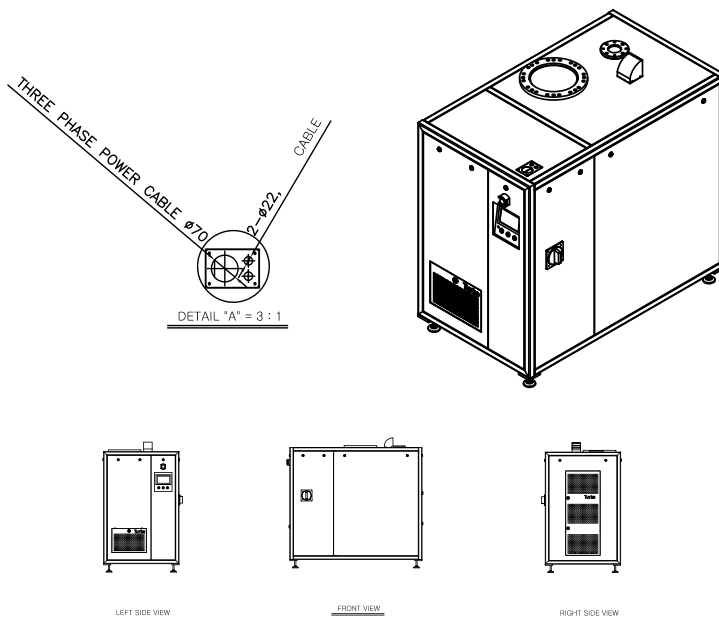
CONTROL / INSTRUMENTATION

Type of Controller	PLC
Network to SCADA, MCP	Standard : MODBUS TCP/IP and MODBUS RTU Optional : PROFIBUS-DP and ETHERNET IP
Input	Analog : 4-20 mA or 0-10v / digital : Dry contact
Output	Analog : 4-20 mA or 0-10v / digital : Relay (2A)
Interface	7" Touchscreen
Total weight	1566kg

$$\text{Pressure ratio} = \frac{\text{Absolute outlet pressure}}{\text{Absolute inlet pressure}}$$

Normal (sea level) ambient conditions are 1013 mbar & 15 deg C.

A BLOWER is a unit in which the inlet pressure is substantially equal to the ambient pressure.



Size: 1263 (w) x 2260 (l) x 2187 (h)

Dimensions in millimetres (inch conversions in brackets)

UNIQUE FEATURES

- * Around 20% more energy efficient than PD blowers
- * Noise levels are typically around 75-80dB(A)
- * 100% lubricant free due to air foil bearings
- * Compact size and light weight compared to PD blowers
- * Low maintenance, no lubricants only filter change needed

SPECIFICATION

PMS motors: Are optimised for high speed rotation, minimising current loss and delivering a maximum efficiency of 98%. No power loss due to direct drive. Stop-start test conducted over 100,000 times.

Air Foil bearings: Are 100% lubricant free, contactless and eco-friendly. Special coating reduces frictional wear providing long service life. No maintenance needed.

Impeller: Made from high strength heat treated aluminium. Manufactured with state-of-the-art aerodynamic technology. High precision 5-axis machining ensures wide flow range and surge margin. Anodised coating enhances surface strength.

Cooling System: Self-cooling system so no separate power source required. No maintenance required.

Inverter: Less than 1% starting current. 0.3% Unload Power Consumption. KEB (Kinetic Energy Back-up) function for enhanced safety in case of power failure.

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All blowers are individually tested. Test certificates will be issued if requested.

A comprehensive Installation and Operating Instruction folder is supplied with every blower.