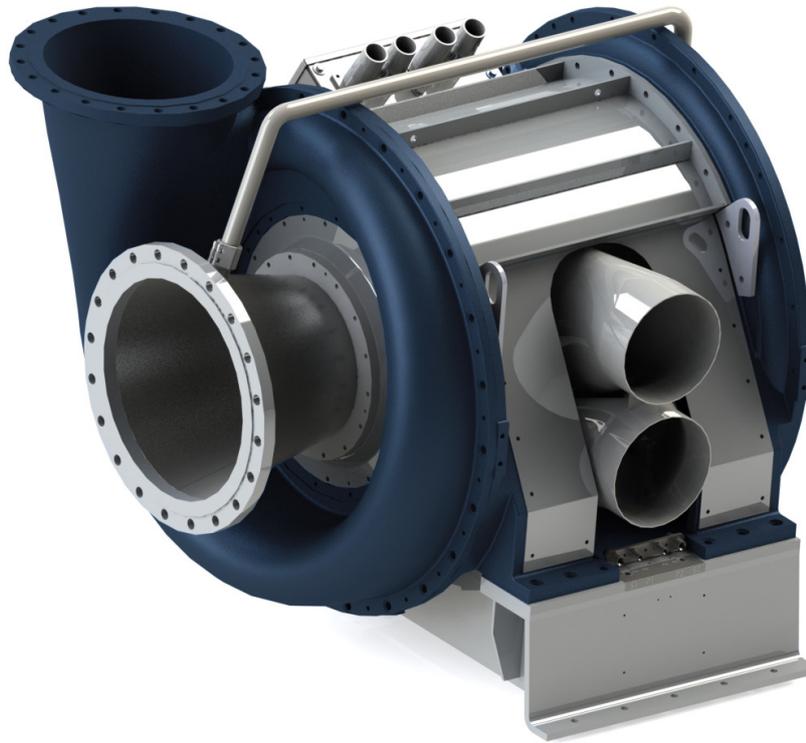


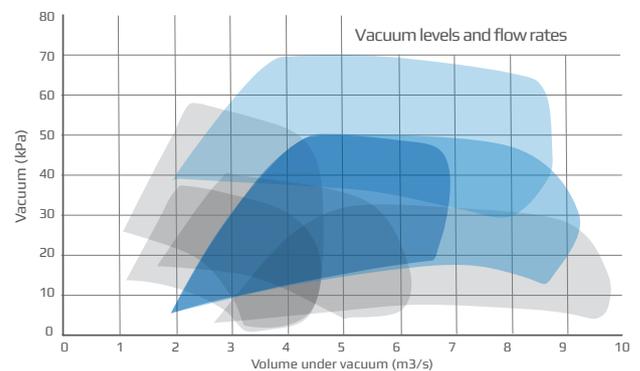
Runtech Turbo EP550



Save electricity and water in your vacuum system

Runtech Turbo, the first-ever variable speed and variable capacity turbo blower, saves 30–70% in energy compared with traditional vacuum systems.

Runtech Turbo is a totally water-free solution with significant heat recovery potential. Its compact design also reduces installation costs.



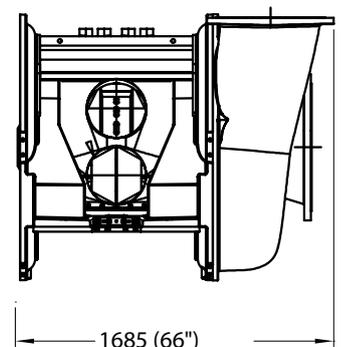
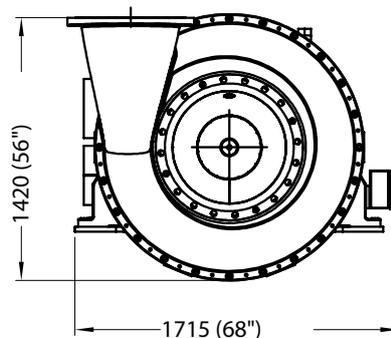
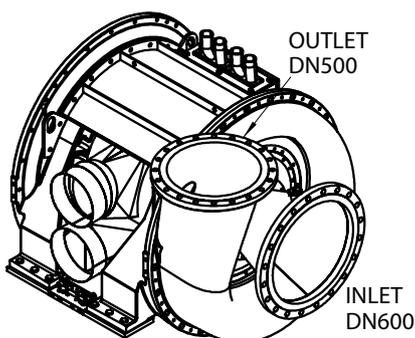
FEATURES	ADVANTAGES
Single-stage turbo	<ul style="list-style-type: none"> - Variable speed and capacity turbo blower saves energy - Wide air capacity range eliminates bleed valves - Automatic speed control adapts to changes in machine speed, basis weight and felt age - Water-free system - Exhaust air temperature up to 125 °C (250 °F)
Compact size	<ul style="list-style-type: none"> - Easy to install. No gearbox. Impellers are mounted directly on the motor shaft
Integrated 550 kW high-speed drive	<ul style="list-style-type: none"> - Robust solid rotor design with ball bearings - Speed up to 9,600 rpm

	EP550-H1	EP550-D1	EP550-T1
Vacuum, min/max	-20 – -48 kPa (6 inHg – 14 inHg)	-10 kPa – -45 kPa (3 inHg – 13.0 inHg)	-10 kPa – -40 kPa (3 inHg – 12.0 inHg)
Air flow range	2.5 – 8.5 m ³ /s (5,000 – 18,000 cfm)	2.5 – 9.0 m ³ /s (5,000 – 19,000 cfm)	2.0 – 11.0 m ³ /s (4,000 – 23,000 cfm)
Weight [kg/lb]	3,500 kg / 7,700 lb	3,500 kg / 7,700 lb	3,500 kg / 7,700 lb
Static load [kN]	34.3	34.3	34.3
Dynamic load [kN]	68.6	68.6	68.6
Size [L x H x W]	2000 x 1450 x 1850 mm (78 x 57 x 73 in)	2000 x 1450 x 1850 mm (78 x 57 x 73 in)	2000 x 1450 x 1850 mm (78 x 57 x 73 in)
Inlet / outlet size	DN 600 / 500 PN10	DN 600 / 500 PN10	
Power [kW]	550	550	550
Voltage [V]	400 / 690		
Blower body	Coated mild steel		
Impeller	Titanium / composite		
Bearing	Ceramic ball		
Motor cooling air (EU5 filter)*	1.2 m ³ /s at 30 °C, 3.5 kPa (2500 cfm at 90 °F, 0.5 psi)		

(*Optionally water cooling)

Technical specifications

Runtech EP550-Series Turbos are a single-stage speed-controlled blowers designed for large paper machines and both greenfield and retrofit installations. The closed 3D impeller design gives top efficiency together with good controllability.



Technical drawings

The compact design makes retrofit installations easy. The EP Turbo unit includes an integrated high-speed drive, which eliminates the need for a gearbox or coupling. Units can be installed directly on top of the concrete water separator, basement or machine level.