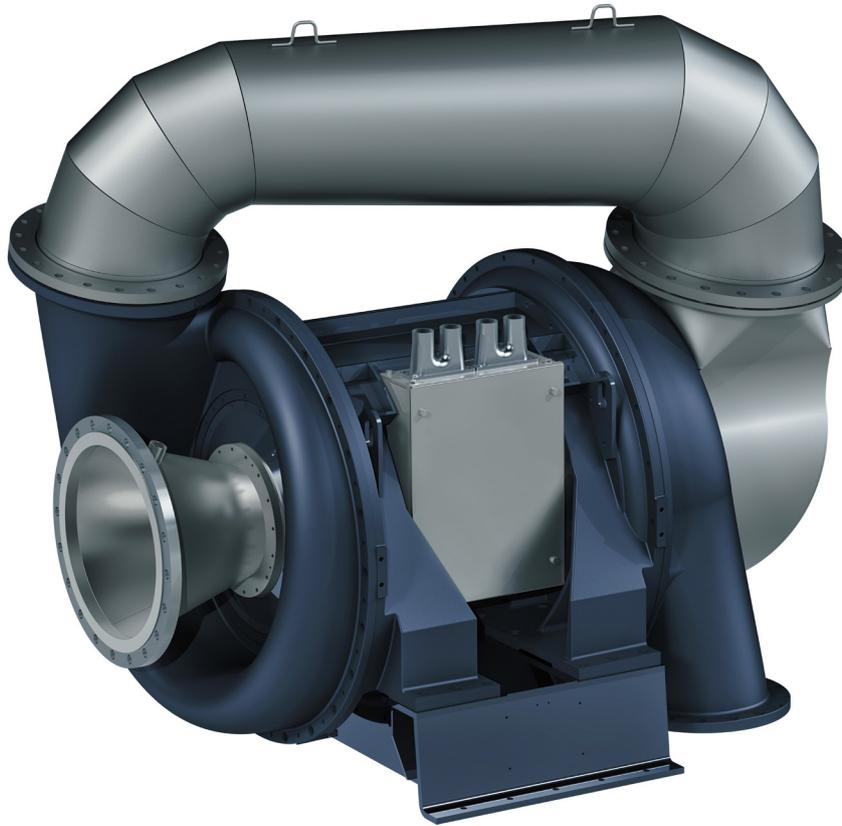


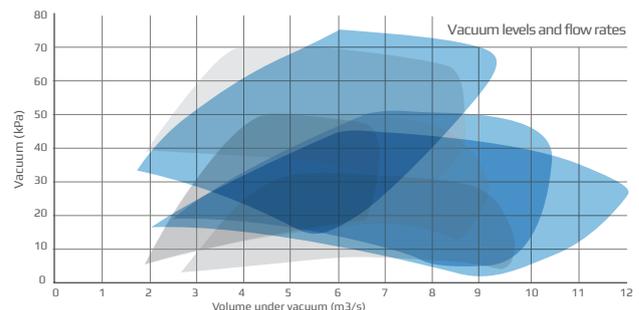
# Runtech Turbo EP600



## 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.



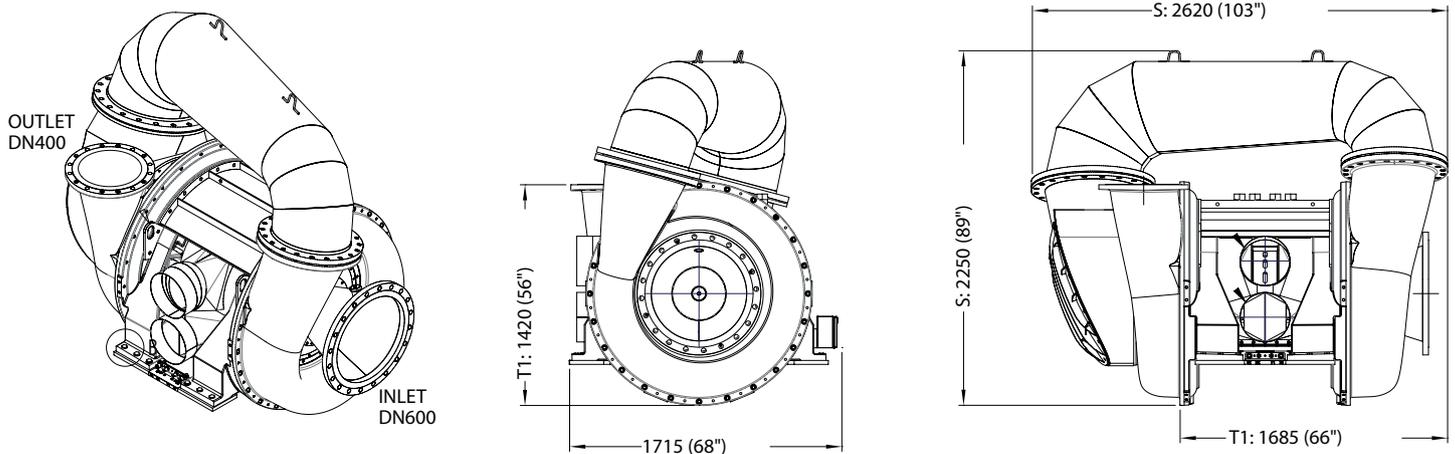
FEATURES	ADVANTAGES
Two-stage turbo	<ul style="list-style-type: none"> <li>- Variable speed and capacity turbo blower saves energy</li> <li>- Wide air capacity range eliminates bleed valves</li> <li>- Automatic speed control adapts to changes in machine speed, basis weight and felt age</li> <li>- Water-free system</li> <li>- Exhaust air temperature up to 180 °C (350 °F)</li> </ul>
Compact size	<ul style="list-style-type: none"> <li>- Easy to install. No gearbox. Impellers are mounted directly on the motor shaft</li> </ul>
Integrated 600 kW high-speed drive	<ul style="list-style-type: none"> <li>- Robust solid rotor design with ball bearings</li> <li>- Speed up to 9,600 rpm</li> </ul>

	EP600-S2	EP600-S1	EP600-HF
Vacuum, min/max	-25 – -70 kPa (7 inHg– 21 inHg)	-20 kPa – -65 kPa (6 inHg – 19 inHg)	-10 kPa – -60 kPa (6 inHg – 17.5 inHg)
Air flow range	3.0 – 8.5 m <sup>3</sup> /s (6,000 – 18,000 cfm)	2.0 – 8.5 m <sup>3</sup> /s (4,000 – 18,000 cfm)	1.5 – 10.0 m <sup>3</sup> /s (3,000 – 21,000 cfm)
Weight [kg/lb]	5,000 kg / 11,000 lb	5,000 kg / 11,000 lb	5,000 kg / 11,000 lb
Static load [kN]	47.6	47.6	47.6
Dynamic load [kN]	95.2	95.2	95.2
Size [L x H x W]	2620 x 2250 x 1715 mm (103 x 89 x 68 in)	2620 x 2250 x 1715 mm (103 x 89 x 68 in)	2620 x 2250 x 1715 mm (103 x 89 x 68 in)
Inlet / outlet size	DN 600 / 400 PN10	DN 600 / 400 PN10	
Power [kW]	600	600	600
Voltage [V]	400 / 690		
Blower body	Coated mild steel		
Impeller	Titanium / composite		
Bearing	Ceramic ball		
Motor cooling air (EU5 filter)*	1.2 m <sup>3</sup> /s at 30 °C, 3.5 kPa (2500 cfm at 90 °F, 0.5 psi)		

(\*Optionally water cooling)

## Technical specifications

Runtech EP600-Series Turbos are a two-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.