



**G-Series** Side Channel



## G-BH8

### Maximum Power and Minimum Size



**65 % less weight at**  
**40 % less space requirements**

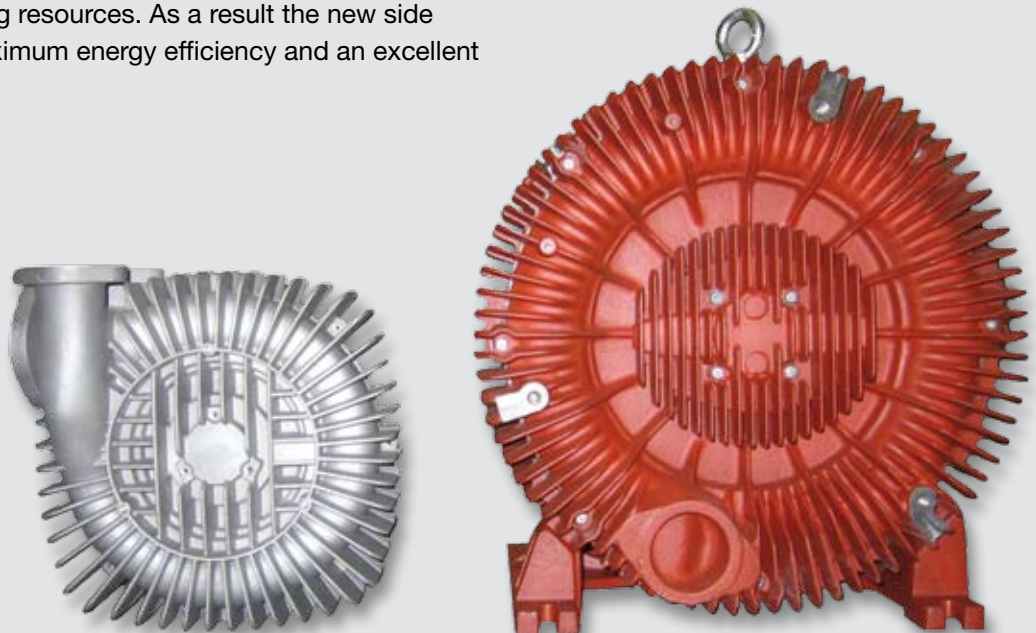
Typically side channel blowers find their place inside larger machines or installations to provide the vacuum and pressure needed. The available space is limited.

Elmo Rietschle G-BH8 side channel blowers have been designed using latest techniques such as CFD (computational fluid dynamics) to achieve a continuous build-up of pressure. Maximum performance and minimum space were the guiding principles: compared to a standard blower of similar output, the new G-BH8 weighs 65 % less and needs 40 % less space.

- **Comprehensive logistics**
- **On-time delivery**
- **Quick response times**
- **Designed and manufactured in Germany**

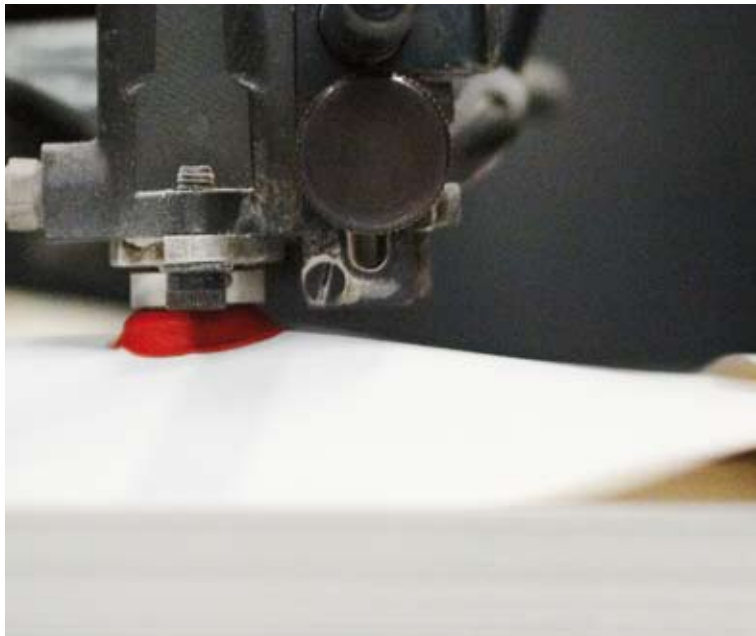
### Sustainable and efficient

When designing the G-BH8 we focussed on supporting the concept of sustainability and saving resources. As a result the new side channel blower offers maximum energy efficiency and an excellent performance curve.



Left: new G-BH8  
next to a blower of similar performance.

Vacuum & Pressure



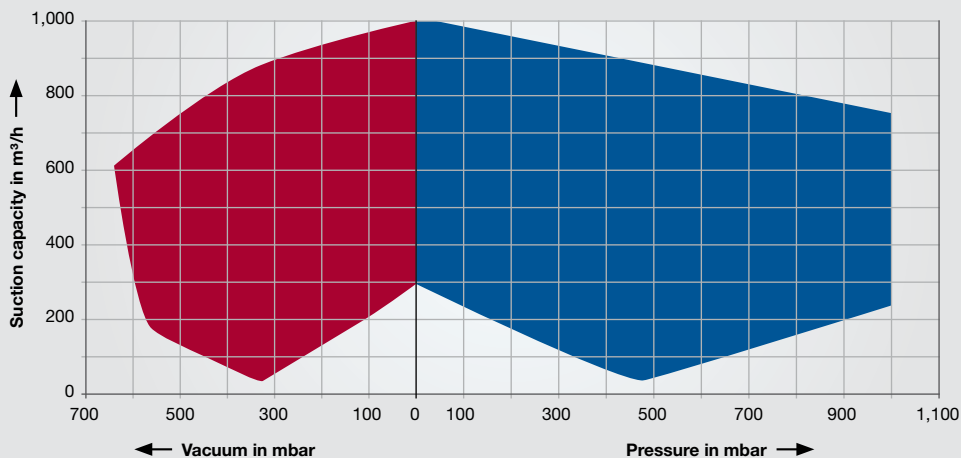
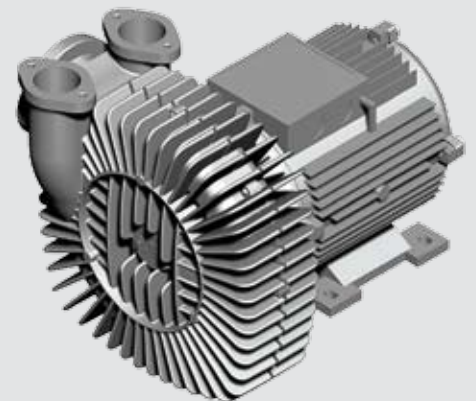
## Advantages at a glance

- 65 % less weight at  
40 % less space requirements
- Low life cycle costs
- Small footprint and height
- High efficiency
- Low noise level
- Bearing lifetime: 20,000 hours
- Rotational speed control for easy setting of optimal operating point
- Speed control available over the entire performance range
- Pulsation free air supply
- One size for the entire performance range
- Sustainable and efficient

## Technical data

Maximum differential pressure:  
 > vacuum operation: -630 mbar  
 > pressure operation: +1,000 mbar  
 Maximum air flow: 1,000 m<sup>3</sup>/h

Rotational speed: up to 14,000 min<sup>-1</sup>  
 Dimensions: 550 x 410 x 390 mm\*  
 Weight: 42 kg\*  
 \*(7.5 kW motor & external fan)



**Gardner  
Denver**

Elmo Rietschle is a brand of the  
Gardner Denver Blower Division

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