

# POSITIVE DISPLACEMENT BLOWERS

## DELTA BLOWER G5<sup>plus</sup>

Volume flows from 440 m<sup>3</sup>/h to 3,600 m<sup>3</sup>/h



**AERZEN**

# THE NEW DELTA BLOWER G5<sup>plus</sup>.

## MORE PERFORMANCE IN A MORE COMPACT DESIGN.

With its innovations, AERZEN has always been a standard setter. For more efficient and environmentally friendly processes. Now, the globally successful Delta Blower G5 series inspires the world with an exciting new design which sets energy saving records. The innovative concept combines proven features and newly-gained advantages. Delta Blower G5<sup>plus</sup> achieves up to 5% more energy efficiency and offers more flexibility to meet even special requirements.

### WELL-KNOWN STRENGTHS IN NEW DESIGN

#### Extremely sturdy blower packaged unit

- For a wide range of applications within high control range from 25 to 100%

#### Compact design

- Space-saving, side-by-side installation
- Small dimensioning of machine rooms

#### Easy operation and low-maintenance design

- High availability at continuous operation, even under most difficult ambient conditions
- The front side is used for operation and maintenance

#### Plug&play Solution

- Completely configured, parameterised and ready for connection
- Integrated service kit with first oil filling

#### Smart oil system

- Oil level check while machine is running. Readable from the outside
- Oil instead of grease: Oil-lubricated bearings increase the lifetime

#### Belt tensioning hinged motor mounting plate

- Fully automatic and maintenance-free belt tension
- Inspection of V-belt tension to be omitted

#### Advantages for the ecological assessment

- Standard application of energy-efficient motors of class IE3
- Suction on the cold side of the assembly
- Belt drive for optimal volume flow design



#### AERZEN Environmental Concept

- Oil-free operation class 0 ISO 8573-1
- 100% free of absorption material
- Oil change after 16,000 operating hours only





## NEW AND ONLY FOR DELTA BLOWER G5<sup>plus</sup>

### **A plus of efficiency**

Up to 5% savings in energy costs due to

- Optimised intake filter silencer with lowest flow losses
- Optimised standard base support with reduced pressure losses
- Electrically driven fan with highest energy efficiency
- Routing of the warm exhaust air above the acoustic hood roof, with the option of heat recovery (separate duct connection)

### **A plus of comfort**

- New acoustic hood concept for reduction of the installation floor space by up to 10% (depending on size)
- Acoustic hood door for quick and easy opening of the unit
- Simplified access for a simple maintenance process

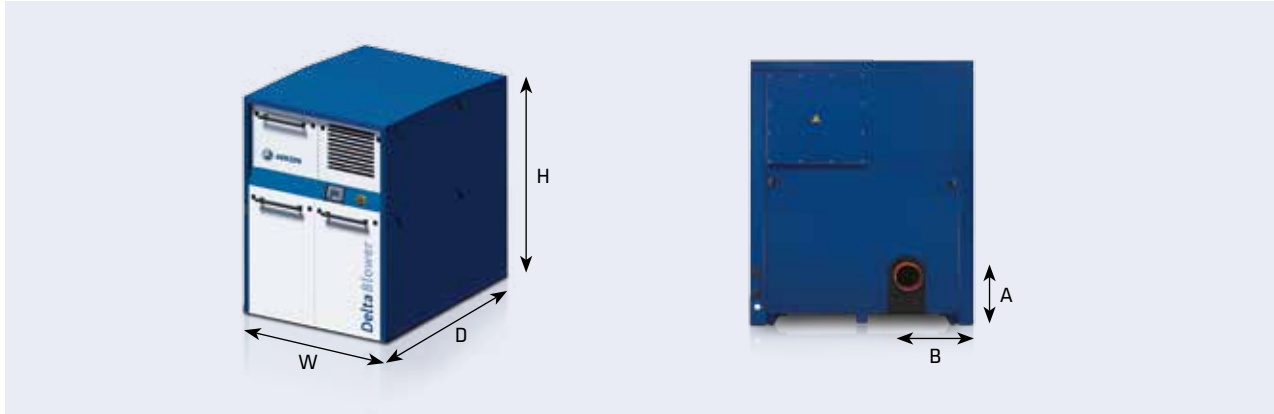


### **A plus of flexibility**

- Mechanical fan for low electrical installation effort (option)
- Multifunctional base frame (option) with
  - Integrated spark arrester (ATEX certified)
  - Preparation for the installation of the start unloading device
  - Components for installation of foreign motors
  - Patented reactive silencer

# SUBSTANTIAL ADVANTAGES. THE COMPACT DESIGN.

## Dimensions and weights



Type	H	D	W	A	B	Nominal width DN	Nominal width DN
GM 30 L G5 <sup>plus</sup>	1,800	1,750	1,410	359	380	150	690 kg
GM 35 S G5 <sup>plus</sup>	1,800	1,750	1,410	359	380	150	780 kg
GM 50 L G5 <sup>plus</sup> *	2,050	2,000	1,550	367	420	200	905 kg
GM 60 S G5 <sup>plus</sup> *	2,050	2,000	1,550	367	420	200	1,035 kg

*Weights without motor and belt drive*

## Performance data

Size	Differential pressure max. mbar	Volume flow max. m <sup>3</sup> /h	Motor rating max. kW	Sound pressure level max. dB (A)
GM 30 L G5 <sup>plus</sup>	700	2,100	75	75
GM 35 S G5 <sup>plus</sup>	1,000	2,400	90	75
GM 50 L G5 <sup>plus</sup> *	700	3,300	90	76
GM 60 S G5 <sup>plus</sup> *	1,000	3,600	132	76

(Subject to technical modifications - Product is subject to technical changes)

\* in preparation

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**AERZEN**  
EXPECT PERFORMANCE