

POSITIVE DISPLACEMENT BLOWERS

DELTA BLOWER G5^{plus}

Volume flows ranging from 440 m³/h to 3,600 m³/h



AERZEN

THE NEW DELTA BLOWER G5^{plus}. MORE PERFORMANCE IN A MORE COMPACT DESIGN.

AERZEN's innovations have always set industry standards for greater efficiency and environmentally friendly processes. Now, the globally successful Delta Blower G5 series comes in an exciting new design that sets new records for energy efficiency. The innovative concept combines tested features with new advantages. Delta Blower G5^{plus} achieves up to 5% greater energy efficiency and offers more flexibility to meet even the most demanding requirements.

THE USUAL ADVANTAGES IN A BRAND NEW DESIGN

Durable blower package

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

Compact design

- Space-saving, side-by-side installation
- Allows for smaller machine rooms

Easy operation and low-maintenance design

- High availability at continuous operation, even under the most difficult environmental conditions
- Front side 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 service life

Hinged motor mounting plate maintains belt tension

- Fully automatic and maintenance-free belt tension
- Inspection of V-belt tension unnecessary

Advantages for ecological assessment

- Standard use of IE3 class energy-efficient motors
- 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 only after 16,000 operating hours





NEW AND EXCLUSIVE TO THE DELTA BLOWER G5^{plus}

A plus of efficiency

Up to 5% savings in energy costs due to

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

A plus for comfort

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

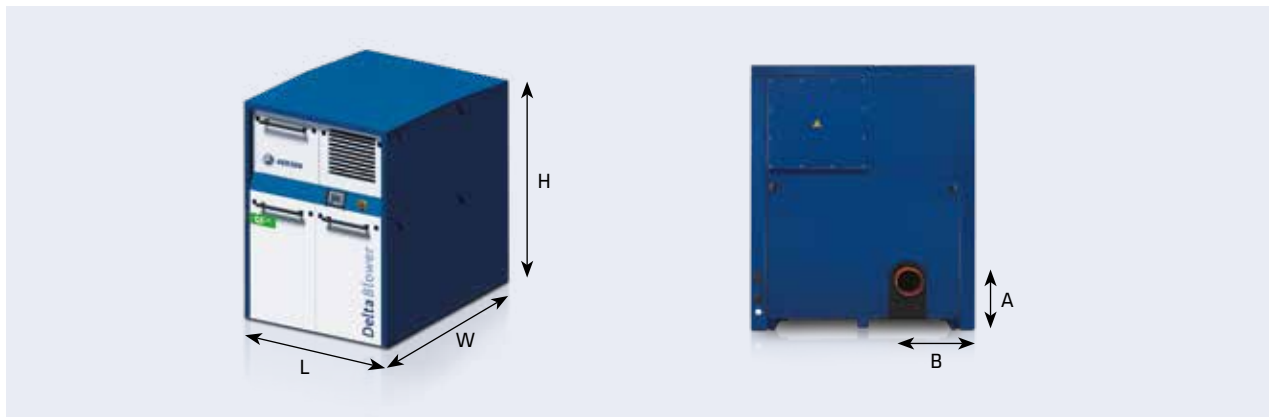


A plus for flexibility

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

SUBSTANTIAL ADVANTAGES. COMPACT DESIGN.

Dimensions and weights



Type	H [mm]	W [mm]	L [mm]	A [mm]	B [mm]	Nominal width DN	Weight with acoustic hood
GM 30 L G5 ^{plus}	1,800	1,750	1,410	359	380	150	690 kg
GM 35 S G5 ^{plus}	1,800	1,750	1,410	359	380	150	780 kg
GM 50 L G5 ^{plus} *	2,050	2,000	1,550	367	420	200	905 kg
GM 60 S G5 ^{plus} *	2,050	2,000	1,550	367	420	200	1035 kg

Weights without motor and belt drive

Performance data

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

(Subject to technical modifications, product is subject to technical changes)

** in preparation*

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EXPECT PERFORMANCE