

ROTARY LOBE BLOWER PACKAGES

DELTA BLOWER GENERATION 5

Intake volume flow from 20 cfm to 8,800 cfm

Quiet, Compact, Energy Efficient



Delta Blower 5
Generation



AERZEN

aerzenusa.com

Aerzen's Generation 5 Delta Blower

The 5th generation of Aerzen modular compact packages combines tradition and innovation.

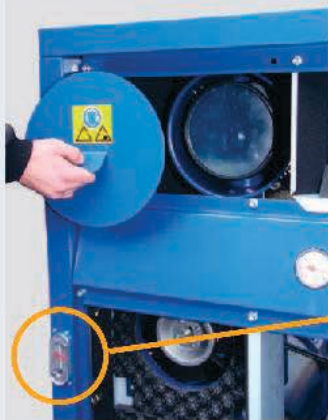
- 1** Easy installation with forklift or pallet jack for placement



- 2** Room-saving, compact, side-by-side installation



- 3** Easy access to all components with one oil drain/oil fill point



- 4** Oil level can be observed from the outside



- 5** Automatic belt tension—No adjustment required



- 6** Typical machinery noise average SPL 75-80 dB(A) with acoustic hood



Aerzen Delta G5 Blower Stage

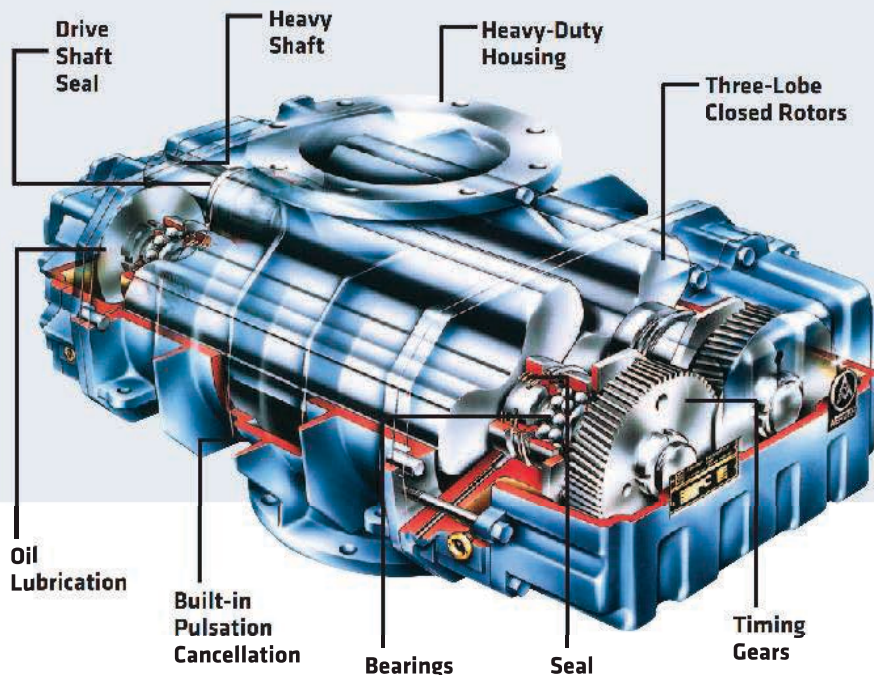
The details that set Aerzen Blowers apart.

Pulse Cancellation Built In, Active Noise Cancellation Built In

- 7** No need for additional electric motor and interlocks with shaft-mounted cooling fan for forced ventilation of the enclosure



- 8** Reactive discharge silencer without internal absorption material



For more information, visit www.aerzenusa.com

The accessories that make the difference.

Inlet Filter/Silencer

Easily replaceable filter element is downstream of the silencer for cleanliness.

Instrumentation

Standard filter maintenance indicator and p2 gauge

Belt Guard

Designed for easy access to the drive. OSHA standard.

**NEMA F3
Premium Efficiency
TEFC Motor**

Hinged Motor Plate

Steady alignment and consistent tension provided by the motor weight. No springs needed. Constant high efficiency.

Reactive Discharge Silencer & Blower Base

Machined support surface for blower. Stiff for installation on vibration isolating mounts. Low pressure drop design. No absorption packing material. ATEX spark arrester.*

Vibration Isolating Mounts

Rubber-type. Located under the supporting base. No special foundation required.

Pressure Safety Valve

Spring-loaded. Specifically designed for low pressure applications. Mounted vertically downstream of the silencer for longevity.*

Aeromat Start Unloading Valve (Optional)

Allows startup of the main motor with no load. The valve is completely self activating and does not need any auxiliary electrical or pneumatic power source.

Discharge Manifold*

With integral full bore check valve for low pressure drop. The check valve can be inspected without disconnecting the piping. Non-chatter check valve suitable for adjustable speed operation.

Discharge Flexible Connector

Reinforced rubber. Downstream of discharge silencer to reduce transmission of structure-borne noise.



Instrumentation package:

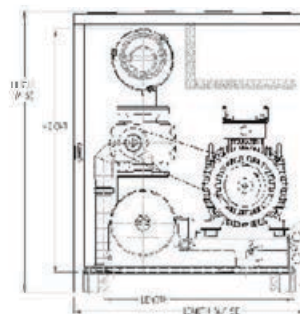
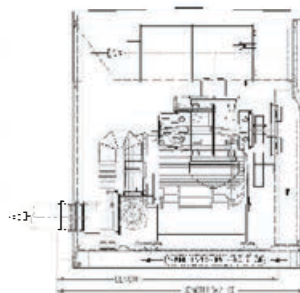
AERtronic Control System includes pressure transmitters for intake, discharge and oil pressure, as well as resistance temperature detectors (RTD) discharge and oil temperature and operator interface.

*PED compliant pressure vessel

G5 Blower Dimensions								
Aerzen Blower Model	Length (inches)	Width (inches)	Height (inches)	Weight (lbs)	Nominal Nozzle Size	Nominal Discharge Pipe Diam. (inches)	Max. Flow (icfm) at 10 psi rise	Pressure (psi)
GM 35	31	33	43	485	DN-50	2	131	15
GM 45	48	36	52	695	DN-80	3	184	15
GM 7L	48	36	52	706	DN-80	3	270	10
GM 10S	48	36	52	759	DN-80	3	339	15
GM 10S	55	51	61	1120	DN-100	4	385	15
GM 15L	55	51	61	1153	DN-100	4	576	10
GM 25S	59	55	61	1279	DN-125	5	823	15
GM 30L	80	73	78	2161	DN-150	6	1186	10
GM 35S	80	73	78	2293	DN-150	6	1370	15
GM 50L	80	73	78	2492	DN-150	6	1494	10
GM 50L	78	84	86	2889	DN-200	8	1896	10
GM 60S	78	84	86	3219	DN-200	8	2020	15
GM 80L	99	90	94	7872	DN-250	10	2828	10
GM 90S	99	90	94	8004	DN-250	10	3090	15
GM 130L	126	116	96	7111	DN-300	12	4449	9
GM 150S	126	116	96	7651	DN-300	12	5120	15
GM 240S	(depends on motor size)				DN-400	16	8800	12

Notes

1. For informational use only. Dimensions shown are close estimates and are subject to change without notice. Contact Aerzen USA if certified dimensions are required. Dimensions are in inches, weights are in lbs.
2. Weight notes: motor not included.
3. Oversize/overweight motors may require hinge plate support; dimensions and weights may vary. Consult Aerzen USA with specific application.
4. Packages available w/o sound enclosure. Consult Aerzen USA.



Aerzen means trouble-free compression.

Aerzen's modular blower packages have been offered since the 1960s. Aerzen Delta Blower packages have been in successful operation since the 1990s. They are just one of the offerings in our single stage positive displacement program. Whatever your application and installation requirements, be sure to consider Aerzen.

Delta Care Maintenance Agreement

Warranty: 5 years optional with our Care Maintenance Agreement

For Pressure

- Up to 15 psi: G5 Blower packages
- Delta Hybrid up to 22 psi
- 10 to 51 psi: Oil-free and air-cooled VM and VML screw compressors

For Vacuum (Dry)

- Up to 15" Hg: G5 Blower packages
- Hybrid up to 20" Hg
- Up to 25" Hg: G5 Blower packages with pre-inlet cooling
- Up to 25.5" Hg: Oil-free and air-cooled VM screw compressors at same flow (30% more efficient than PD blowers)
- Vacuum boosters to 10-3 mbar absolute

For Extended Pressure/Vacuum

- Up to 40,000 cfm available
- For other gases, higher pressure/vacuum consult factory

Aerzen USA

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