ROTARY LOBE BLOWERS
DELTA BLOWER GENERATION 5

Intake volume streams from 30 m³/h to 15,000 m³/h

AERZEN

THE DELTA BLOWERS. ROBUST, DURABLE MACHINES FOR COUNTLESS COMPRESSOR PROCESSES.

Delta Blower Generation 5

They are the driving force behind countless processes, the heart of a powerful machine assembly: the Delta Generation 5 rotary lobe blowers. They represent the distillation of almost 150 years of AERZEN experience and development work, but are more innovative than ever. AERZEN has packed a number of new features into its latest generation of delta blowers: oil-free conveyance of air and neutral gases; a broad control range for volume streams of from 30 m^3/h to 15,000 m^3/h; reduced life-cycle costs; easy handling; quieter operation. What hasn't changed: the extremely robust, extremely reliable, and extremely durable nature of this global success story. No wonder that their owners are so enthusiastic about putting them into continuous service – year in and year out, decade after decade.


AERZEN
Delta Blower

Applications
- Water and waste water treatment
- Aeration
- Filter backwashing
- Pneumatic conveyance of bulk materials
- Gas conveyance
- Degassing
- Dust removal
- Vacuum production
- Biogas treatment

and many others

Industries
- Sewage treatment
- Chemical and process technology
- Power plants
- Cement and lime
- Foodstuffs
- Paper

and many others

THE UNIVERSAL GENIUS FOR EVERY APPLICATION.

The versatile and compact Delta Blower units can be deployed in any climate zone on Earth. In the most challenging outdoor environments just as safely as in covered indoor spaces. They can be used as both standalone units or in complex assemblies. They are as reliable in earthquake zones as they are aboard ships or in other mobile applications.

Versatility in Detail.
Delta Blowers are powerful all-round geniuses. Miniature units can be mounted on silo vehicles, the largest machines can be used in lifting units. They are used to unload ships – at up to 1,000 tons an hour.

Control range from 25% to 100%

Intake volumes streams from 30 m³/h to 15,000 m³/h

Positive pressure up to 1,000 mbar

Nominal widths from DN 50 to DN 400

Indispensable for power plant

Powerful performer for loading and unloading ships

MACHINES AND SERVICES FROM AERZEN. HIGHLY ACCESSIBLE AND AVAILABLE AROUND THE WORLD.

The durability of Delta Blower units is legendary. Just like their proverbial reliability, lifespan, and intelligent operating and maintenance design. Why bring up AERZEN services at all, then? Because service is necessary. And because the service teams we have on call across the globe are an important decision criterion for plant operators: a decision for blowers "made by AERZEN".

Das Herz im Delta Blower: die 3-flügelige Gebläsestufe von AERZEN

High availability.
The best blower units are the ones you don't notice. Because they do their work reliably, year in and year out. The Delta Blowers from AERZEN are just this kind of unit. There's a reason they have a reputation for robust nature and long service life: AERZEN makes all the components itself. Right down to the control system. From the initial idea through engineering to configuration. Which is how we can guarantee the productivity of our machines. Our contribution to the "made in Germany" quality designation.

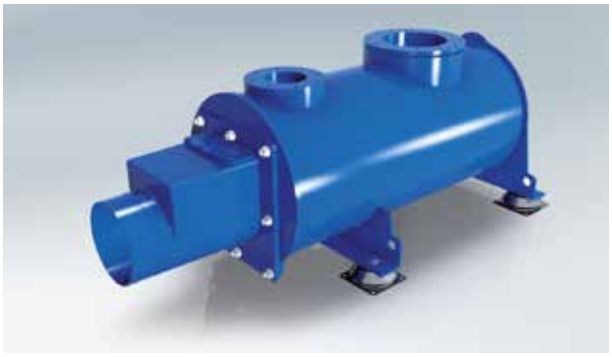
There for you – the world over.
Typically AERZEN: that our solutions should be so reliably available. That means our machines, of course, but also our services. Our teams will take care of your units throughout their entire operational life, thus helping to protect the value of your investment. And the fact that we have a network of over 40 affiliates and service representatives in more than 100 countries around the world means we're never far away. We can be there for you quickly – when you need us.

AERZEN: always the right choice.
- Commissioning done by qualified personnel
- Individualized training for customer's specialists
- Customer-specific service and maintenance contracts
- Delta-real time monitoring for your unit
- On-site machine modifications (if needed)

Intelligently made.
What do they mean, the terms "compact, easy handling, maintenance-friendly"? These are our promises to you for the day-to-day operation of our products, and they're worth their weight in gold. Some concrete examples:

- Small footprint
- Flexible machine mounts
- Easy to move with a fork lift or pallet truck
- Space-saving side-by-side setup
- Plug and play installation and commissioning
- Easy access to all parts subject to wear
- Oil levels can be checked while machine is in operation
- Maintenance work such as changing oil and filters done from the front of the machine
- Low noise levels
- Belt-driven for optimal volume streams; retrofitting is fast and easy

100% clean.
How can we offer machines that can be used for handling foodstuffs, without the need for extensive cleaning that would interrupt production? By eliminating absorption material in the muffler. AERZEN designed the base support to function as a discharge muffler, reducing noise by air deflection alone. 100% free of absorption material that would otherwise cause wear and contaminate downstream systems. The base supports, by the way, are AERZEN patents and are also certified as spark arresters for use in ATEX applications.



Intelligent noise reduction: the AERZEN discharge muffler with no absorption material

BLOWERS ARE BLOWERS, RIGHT? AN END TO PRECONCEPTIONS.

AERZEN is one of the world's most innovative providers of compressor technology. For over 150 years. And it was almost 150 years ago – 1868, to be exact – that we produced Europe's first rotary lobe blower. Since then we have raised the bar for each generation of this technology. Let yourself be surprised. Discover the extraordinary blowers: the Delta Blower Generation 5.

Extremely robust
- For a broad range of applications in control ranges from 25 to 100%
- Many types of possible modifications

Compact design
- Space-saving side-by-side setup
- Smaller engine rooms

Operation-friendly, low-maintenance design
- High availability in continuous operation under difficult environmental conditions
- Control and maintenance from the front of the machine

Plug&play
- Pre-configured, parameterized, ready to run
- Integrated service package and initial oil fill

Oil-free per Class 0
- Per ISO 8573-1, TÜV certified

No absorption material
- For use in the pneumatic conveyance of bulk food items (no contamination).
- Secure, energy-efficient water treatment (no deposits of absorption material on aeration plates, no clogging of filter media, no pressure losses)

Integrated power component (optional)
- Frequency inverter, delta-star, direct/soft start
- Intelligent AERtronic control

Smart oil system
- Oil levels can be checked with the machine running
- Readable from outside the machine
- Oil instead of grease: bearings lubricated with oil last longer

A plus for the environment
- Energy-efficient Class IE3 motors as standard equipment
- Intake on the cold side of the unit
- Basic unit integrated into a highly efficient machine network with rotary lobe compressors and turbo blowers from AERZEN
- Retrofitting is fast and easy

Belt-tensioning hinged motor mounting plate
- Fully automatic and maintenance-free belt tensioning
- No need to monitor V-belt tension
- Very easy to mount or replace V-belts

Multifunctional hinged motor mounting plate and lifting jack
- Safer transport
- Easy, secure V-belt installation
- Mobile installation (e.g. aboard ship/ in earthquake zones)
- Hinged motor mounting plate as support for heavy motors

Low noise levels
- For easy compliance with noise level regulations near populated areas and production facilities
- Minimal noise levels with optimized acoustic hood
- Integrated pulsation reduction process (patented AERZEN blower stage)

Approval per PDE guidelines (pressure valve)

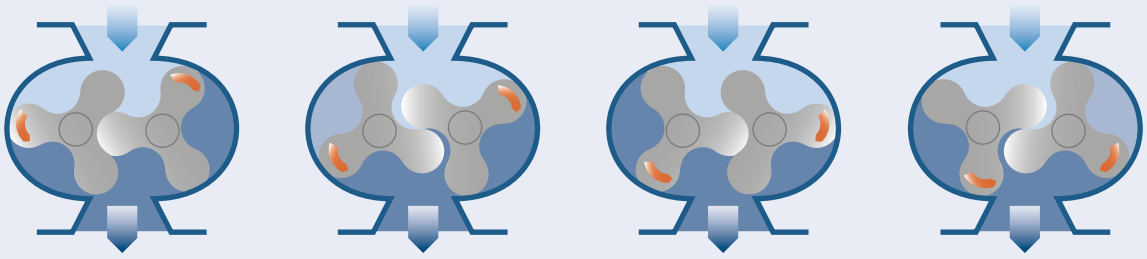
ATEX compliant
- AERZEN base plates certified as spark extinguishers for ATEX applications

TÜV-certified zone separation filter (optional)

WANT TO KNOW MORE ABOUT WHAT'S INSIDE? DESIGN AND CONSTRUCTION.

It's good to know what all is inside each and every AERZEN Delta blower unit: The wealth of experience of a global market leader. The quality expected of a family firm with a long history of excellence. The goal of providing the best solutions for our customers. And a principle that underlies thousands and thousands of successful applications: Roots.

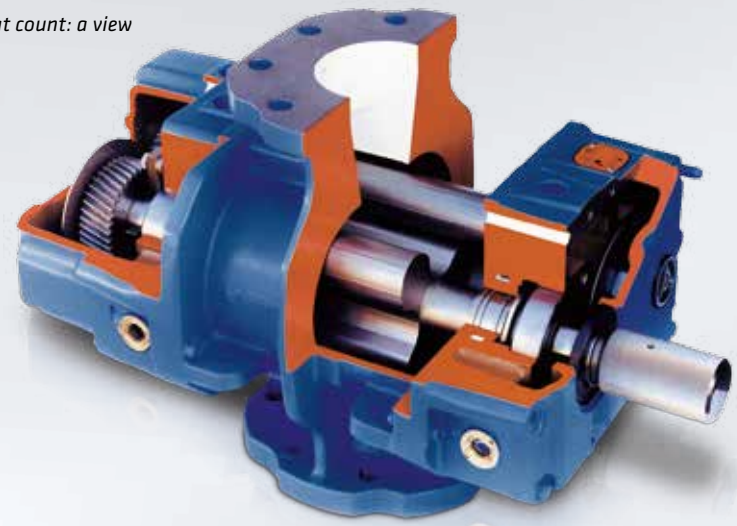
Innovative pulsation reduction.
AERZEN has developed a unique process especially for the Delta Blower series and integrated it into all its models: pulsation reduction. This patented AERZEN process prevents disruptions in the machine even before they arise. The triple-lobed rotors in the Delta blowers have two channels cast in the cylinder. These channels control backflow into the conveyance chamber to eliminate the blowback and crimping impulses that were typical of double-lobed blowers. A patented interference process that means an end to pulsation.



Conveyance process in AERZEN blowers

Intelligent technical details are your guarantee for the lasting value of the Delta blowers. One example from among many: the patented pulsation reduction process, an AERZEN innovation that increases the lifespan of the bearings.

The inner values are what count: a view into an AERZEN blower



Blower stage
- Triple-lobed blower with integrated pulsation reduction
- Housing: cylinder (with two integrated, pressure-side pre-inlet channels to reduce noise through pulsation reduction), wheel well, housing lid, and side plates
- Made of EN-GJL-200
- Ribbed surface

Rotors

Models GM 3 S to GM 80 L:
- Rotors and shafts drop forged from C45N

Models GM 90 S and GM 130 L:
- Rotors and shaft drop forged from EN-GJS-500-7

Models GM 150 S to GM 240 S:
- Rotors made of EN-GJS-400-15-LT, shafts of C45N

Drive type
- Overhung via narrow V-belt
- Direct drive

Cooling
- Convection cooling

Lubrication
- Oil bath for bearings and timing gears

Oil-free conveyance
- Oil-free operation per ISO 8573-1 Class 0 is guaranteed by using proven piston ring labyrinth seals combined with neutral chambers (open to the atmosphere)

Timing gears
- Made of case-hardening steel, hardened and ground, with helical gears
- Attached to the shaft via taper interference fit
- Extremely smooth running, very long operational life

EXCEEDING STANDARDS. AERZEN DELIVERABLES.

Some do comfortable. Others do efficient. We do both. When your Delta Blower unit is delivered, it comes completely configured, parameterized, ready to plug and run. Designed especially for your processes, of course. And including all the standardized accessories and components you'll need for flawless operation at the push of a button.

The AERZEN "All-in" concept: Standard deliverables.

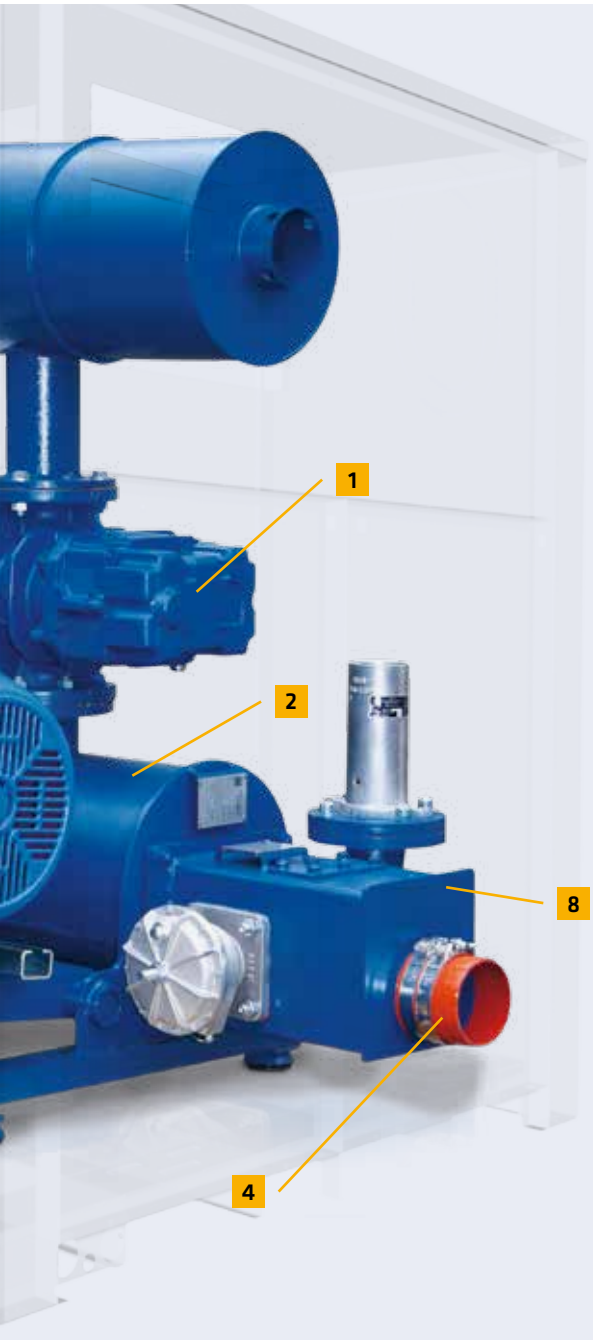
1 **Triple-lobe blower stage**
- with integrated pulsation reduction (see page 10/11)

2 **Base plate with integrated discharge muffler**
- Certification as spark arrester - according to ATEX manufacturer guideline
- Sound insulation free of absorption material due to patented discharge silencer

3 **Intake muffler with integrated air filter**
- Normal intake from the surrounding area
- Conduit intake optional

4 **Flexible rubber bushing**
- With clamps

5 **Flexible machine mounts**
- To decouple machine-borne noise



6 **Motor**

- High-performance narrow V-belt drive with three-phase AC motor
- Energy-efficient Class IE3 motors (up to motor size 315) as standard equipment

7 **Hinged motor mounting plate**

- Automatic V-belt tensioning
- Multifunctional hinged motor mounting plate and lifting jack

8 **Terminal box**

- With pressure valve (8) per PED guideline 2014/68/EU
- built-in non-return flap

9 **Instrumentation**

- Pressure gauge for displaying conveying pressure
- Maintenance indicator for monitoring intake filter

Added value: Accessory components.

- Acoustic hood for indoor and outdoor installation, force-air ventilated via mechanical filter
- Startup load relief (10), needed with delta-star motor startup
- Pressure-side axial compensator in place of flexible rubber bushing
- Control cabinet: delta-star, frequency inverter, soft-starter
- AERZEN AERtronic blower control
- Additional accessories on demand

AERZEN startup load relief

Modifications.

- Special motors
- Special finishes
- ATEX-compliant design
- Acoustic hood with special sand collector for use in desert locations
- Acoustic hood for low temperatures (to -40° C) with heater and gravity-activated blinds
- Acoustic hood for earthquake safety and increased wind resistance
- For use aboard ships and in motor vehicles
- For conveying specialty gases by using specialized materials
- Customer-specific documentation

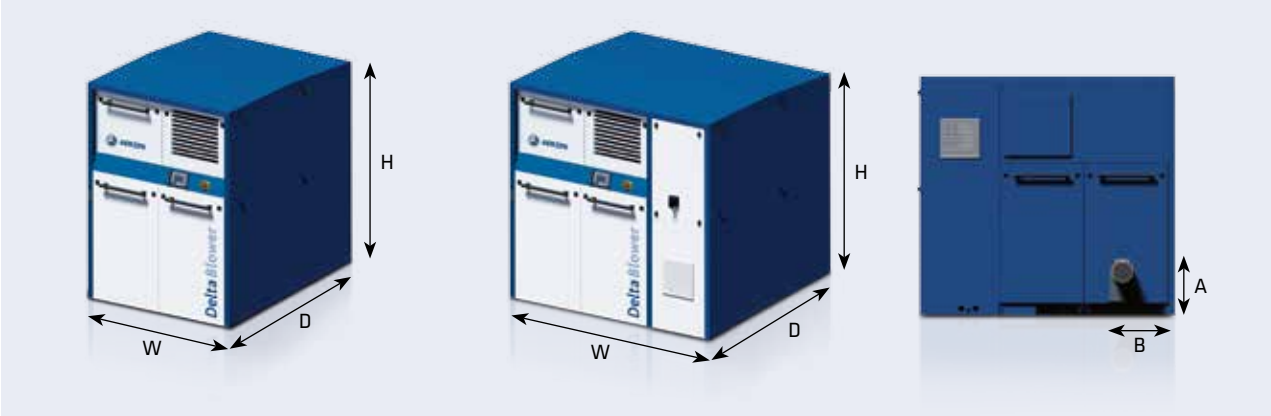
Always a safe choice: ATEX-compliant AERZEN design

Efficient control.

AERtonic is easy to use. But above all, AERZEN's control system is an important part of the unit's safety design: it guarantees that your facility will be operating at optimal efficiency levels at all times. The AERtronic offers a broad spectrum of functions. It can visualize operational data, run the operating hours counter, provide early notifications of operational events, and save all this information in memory. AERtronic will also keep you informed about upcoming maintenance and service cycles, meaning that service calls can be planned for more efficiently, helping to increase the lifespan of your machine's components significantly.

WEIGHTY ADVANTAGES. IN A LEAN MACHINE.

Dimensions and weights (Technical data subject to change – Products subject to technical alteration).



Delta Blower.

Model	H	D	W	A	B	Nozzle size DN	Weight without acoustic hood	Weight with acoustic hood
3 S	1055	800	800	228	245	50	148 kg	212 kg
4 S	1280	1135	925	258	258	80	207 kg	299 kg
7 L	1280	1135	925	258	258	80	212 kg	304 kg
10 S	1280	1135	925	258	258	80	236 kg	328 kg
10 S	1500	1350	1250	294	375	100	336 kg	496 kg
15 L	1500	1350	1250	294	375	100	351 kg	511 kg
25 S	1500	1350	1250	294	375	125	407 kg	567 kg
30 L	1900	1800	1500	356	435	150	690 kg	1020 kg
35 S	1900	1800	1500	356	435	150	780 kg	1110 kg
50 L	1900	1800	1500	356	435	150	830 kg	1160 kg
50 L	2111	2055	1700	357	525	200	905 kg	1475 kg
60 S	2111	2055	1700	357	525	200	1035 kg	1605 kg
80 L	2308	2200	1900	456	600	250	1550 kg	2200 kg
90 S	2308	2200	1900	456	600	250	1620 kg	2270 kg
110 S*	2308	2200	1900	456	600	250	1820 kg	2470 kg
130 S*	2345	2850	2100	410	635	300	2596 kg	3550 kg
130 L	2345	2850	2100	410	635	300	2436 kg	3410 kg
150 S	2345	2850	2100	410	635	300	2796 kg	3750 kg
220 L **	3500	4304	2800	410	800	400	4981 kg	8240 kg
240 S **	3500	4304	2800	410	800	400	5371 kg	8630 kg

* In preperation

** Implementation in Kompakt IV

Delta Blower with integrated power supply.

Model	H	D	W	A	B	Nozzle size DN	Weight with acoustic hood
10 S	1500	1350	1850	294	375	100	619 kg
15 L	1500	1350	1850	294	375	100	661 kg
25 S	1500	1350	1850	294	375	125	717 kg
30 L	1900	1800	2100	356	435	150	1322 kg
35 S	1900	1800	2100	356	435	150	1412 kg
50 L	1900	1800	2100	356	435	150	1462 kg
50 L	2111	2055	2300	357	525	200	1825 kg
60 L	2111	2055	2300	357	525	200	1955 kg

Weights without motor and belt drive

The Delta rotary lobe blowers are high-performance products. They were designed for use in many different areas of application: 16 models in 9 nominal widths from DN 50 to DN 400, intake volume streams from about 30 to 15,000 m³/h, positive pressures up to 1,000 mbar, negative pressures down to -500 mbar.

Noise values.
The sound pressure levels from machine noise (Lp(A)) per individual unit are based measurements taken outdoors at a distance of 1 M from the exterior of the machine (tolerance of ± 2 dB). Noise measurement per DIN 45 635, DIN ISO 3744 and DIN EN ISO 2151.

Using the performance tables.
You will find all the important performance data for the Delta series in the performance tables: intake volume stream ($\dot{V}1$), required coupling power (Pk), motor size and noise level (Lp(A)). The intake volumes shown are based on commonly available belt drive ratios in increments of about 12%. Lower drive speeds are also possible, depending on the final temperature.

Parameters.

$\dot{V}1$	[m³/min]	Intake volume stream
p1	[bar abs]	Intake pressure
Δp	[mbar]	Pressure differential
t_1	[°C]	Intake temperature
t_2	[°C]	Final temperature
nG	[rpm]	Blower rotational speed
nM	[rpm]	Motor rotational speed
Pk	[kW]	Shaft power
P_{mot}	[kW]	Nominal motor power
Lp(A) o. H.	[dB]	Noise pressure level for blower unit without hood
Lp(A) m. H.	[dB]	Noise pressure level for blower unit with hood

Δp mbar	Blower size		GM 3 S / DN 50										GM 4 S / DN 80								
300	$\dot{V}_1$	[m³/min]	**0.66**	**1.1**	**1.61**	**2.13**	**2.48**	**2.94**	**3.18**	**3.66**	**3.87**	**4.12**	**1.01**	**1.66**	**2.17**	**3**	**3.54**	**4.16**	**4.78**	**5.41**	**5.7**
	t_2	[°C]	74	62	57	54	53	52	51	50	50	50	68	59	56	53	52	51	50	49	49
	nG	[rpm]	1400	1830	2330	2840	3190	3640	3880	4350	4560	4800	1400	1870	2240	2840	3230	3680	4130	4590	4800
	nM	[rpm]	2800	2800	2800	2840	2840	2840	2870	2870	2870	2890	2800	2800	2840	2840	2870	2870	2890	2890	2890
	Pk	[kW]	0.89	1.14	1.43	1.76	2.01	2.34	2.54	2.94	3.13	3.37	1.14	1.49	1.78	2.29	2.64	3.06	3.52	4.01	4.25
	P_{mot}	[kW]	1.5	1.5	2.2	3	3	3	4	4	4	5.5	1.5	2.2	3	3	4	4	5.5	5.5	5.5
	Motor size		90 S	90 S	90 L	100 L	100 L	100 L	112 M	112 M	112 M	132 S	90 S	90 L	100 L	100 L	112 M	112 M	132 S	132 S	132 S
	Lp(A)[dB]	w/o.H./w.H.	78/<65	80/<65	83/66	87/66	87/66	89/66	90/67	92/67	93/67	93/66	77/<65	78/<65	79/<65	79/<65	84/<65	86/<65	87/<65	88/<65	89/<65
400	$\dot{V}_1$	[m³/min]	**0.55**	**0.98**	**1.53**	**2.01**	**2.4**	**2.86**	**3.07**	**3.57**	**3.79**	**4**	**0.87**	**1.5**	**2.21**	**2.9**	**3.42**	**4.06**	**4.64**	**5.27**	**5.56**
	t_2	[°C]	107	83	73	68	66	64	63	62	61	61	94	77	70	66	64	62	61	60	60
	nG	[rpm]	1400	1830	2370	2840	3220	3680	3880	4380	4590	4800	1400	1860	2370	2870	3250	3710	4130	4590	4800
	nM	[rpm]	2800	2800	2840	2840	2870	2870	2870	2890	2890	2890	2800	2840	2840	2870	2890	2890	2890	2890	2890
	Pk	[kW]	1.13	1.45	1.86	2.24	2.57	3	3.19	3.71	3.94	4.18	1.46	1.91	2.43	2.97	3.4	3.94	4.47	5.07	5.35
	P_{mot}	[kW]	1.5	2.2	3	3	4	4	4	5.5	5.5	5.5	2.2	3	3	4	5.5	5.5	5.5	7.5	7.5
	Motor size		90 S	90 L	100 L	100 L	112 M	112 M	112 M	132 S	132 S	132 S	90 L	100 L	100 L	112 M	132 S	132 S	132 S	132 S	132 S
	Lp(A)[dB]	w/o.H./w.H.	80/<65	81/<65	84/66	87/66	87/67	90/67	91/67	93/67	94/67	94/67	77/<65	79/<65	81/<65	83/<65	85/<65	87/<65	88/<65	89/<65	89/<65
500	$\dot{V}_1$	[m³/min]		**0.91**	**1.43**	**1.94**	**2.29**	**2.78**	**3.04**	**3.47**	**3.68**	**3.9**	**0.77**	**1.42**	**2.11**	**2.8**	**3.3**	**3.93**	**4.51**	**5.14**	**5.43**
	t_2	[°C]		107	91	83	80	77	75	74	73	72	126	97	85	80	77	75	73	72	71
	nG	[rpm]		1860	2370	2870	3220	3700	3960	4380	4590	4800	1420	1890	2390	2890	3250	3710	4130	4590	4800
	nM	[rpm]		2840	2840	2870	2870	2890	2890	2890	2890	2890	2840	2840	2870	2890	2890	2890	2890	2890	2890
	Pk	[kW]		1.78	2.26	2.76	3.12	3.64	3.94	4.45	4.72	4.99	1.81	2.38	3	3.66	4.15	4.8	5.42	6.12	6.45
	P_{mot}	[kW]		3	3	4	4	5.5	5.5	5.5	7.5	7.5	3	3	4	5.5	5.5	7.5	7.5	7.5	7.5
	Motor size			100 L	100 L	112 M	112 M	132 S	132 S	132 S	132 S	132 S	100 L	100 L	112 M	132 S	132 S	132 S	132 S	132 S	132 S
	Lp(A)[dB]	w/o.H./w.H.		83/65	85/66	88/67	88/67	91/68	93/68	95/67	95/67	95/68	77/<65	80/<65	82/<65	85/66	87/65	88/<65	90/<65	89/<65	89/66
600	$\dot{V}_1$	[m³/min]			**1.36**	**1.84**	**2.26**	**2.69**	**2.95**	**3.38**	**3.59**	**3.8**		**1.33**	**2.02**	**2.69**	**3.39**	**3.82**	**4.4**	**5.11**	**5.32**
	t_2	[°C]			110	99	94	90	88	86	85	84		119	103	95	90	87	85	83	83
	nG	[rpm]			2390	2870	3280	3700	3960	4380	4590	4800		1910	2410	2890	3400	3710	4130	4650	4800
	nM	[rpm]			2870	2870	2890	2890	2890	2890	2890	2890		2870	2890	2890	2890	2890	2890	2930	2930
	Pk	[kW]			2.69	3.24	3.74	4.27	4.61	5.19	5.49	5.8		2.84	3.58	4.32	5.14	5.65	6.37	7.29	7.56
	P_{mot}	[kW]			4	4	5.5	5.5	7.5	7.5	7.5	7.5		4	5.5	5.5	7.5	7.5	7.5	11	11
	Motor size				112 M	112 M	132 S	132 S	132 S	132 S	132 S	132 S		112 M	132 S	132 S	132 S	132 S	132 S	160 M	160 M
	Lp(A)[dB]	w/o.H./w.H.			87/66	89/67	89/68	92/68	95/68	96/68	96/68	96/68		81/<65	84/<65	87/68	87/67	88/66	91/66	89/66	89/67
700	$\dot{V}_1$	[m³/min]			**1.27**	**1.78**	**2.17**	**2.6**	**2.86**	**3.29**	**3.5**	**3.72**			**1.92**	**2.58**	**3.28**	**3.71**	**4.37**	**5.01**	**5.22**
	t_2	[°C]			132	117	110	105	102	99	98	97			122	111	104	101	97	95	94
	nG	[rpm]			2390	2890	3280	3700	3960	4380	4590	4800			2410	2890	3400	3710	4190	4650	4800
	nM	[rpm]			2870	2890	2890	2890	2890	2890	2890	2890			2890	2890	2890	2890	2930	2930	2930
	Pk	[kW]			3.09	3.76	4.29	4.9	5.28	5.93	6.27	6.62			4.14	4.99	5.92	6.5	7.43	8.35	8.66
	P_{mot}	[kW]			4	5.5	5.5	7.5	7.5	7.5	7.5	7.5			5.5	7.5	7.5	7.5	11	11	11
	Motor size				112 M	132 S	132 S	132 S	132 S	132 S	132 S	132 S			132 S	132 S	132 S	132 S	160 M	160 M	160 M
	Lp(A)[dB]	w/o.H./w.H.			87/67	90/67	90/68	93/69	94/69	95/69	95/69	96/68			85/<6	89/68	86/68	89/67	93/67	90/68	89/69
800	$\dot{V}_1$	[m³/min]					**2.1**	**2.52**	**2.78**	**3.21**						**2.48**	**3.26**	**3.68**	**4.28**	**4.91**	**5.12**
	t_2	[°C]					126	120	117	113						128	118	114	111	107	107
	nG	[rpm]					3290	3700	3960	4380						2890	3450	3760	4190	4650	4800
	nM	[rpm]					2890	2890	2890	2890						2890	2930	2930	2930	2930	2930
	Pk	[kW]					4.86	5.52	5.95	6.68						5.65	6.81	7.46	8.4	9.42	9.77
	P_{mot}	[kW]					7.5	7.5	7.5	7.5						7.5	11	11	11	11	11
	Motor size						132 S	132 S	132 S	132 S						132 S	160 M	160 M	160 M	160 M	160 M
	Lp(A)[dB]	w/o.H./w.H.					91/68	94/69	93/69	94/70							87/68	91/68	95/68	91/70	90/70
900	$\dot{V}_1$	[m³/min]							**2.71**								**3.17**	**3.59**	**4.19**	**4.82**	**5.03**
	t_2	[°C]							132								133	129	124	120	119
	nG	[rpm]							3960								3450	3760	4190	4650	4800
	nM	[rpm]							2890								2930	2930	2930	2930	2930
	Pk	[kW]							6.63								7.6	8.33	9.36	10.5	10.9
	P_{mot}	[kW]							7.5								11	11	11	15	15
	Motor size								132 S								160 M	160 M	160 M	160 M	160 M
	Lp(A)[dB]	w/o.H./w.H.							94/70								88/69	92/69	96/69	92/70	92/70
1000	$\dot{V}_1$	[m³/min]																		**4.74**	**4.94**
	t_2	[°C]																		133	132
	nG	[rpm]																		4650	4800
	nM	[rpm]																		2930	2930
	Pk	[kW]																		11.6	12
	P_{mot}	[kW]																		15	15
	Motor size																			160 M	160 M
	Lp(A)[dB]	w/o.H./w.H.																		94/70	94/70

Lower differential pressures on request. Performance data are non-binding examples only.

Δp mbar	Blower size		GM 7 L / DN 80									GM 10 S / DN 80						GM 10 S / DN 100		
300	$\dot{V}_1$	[m³/min]	1.54	2.56	3.59	4.63	5.35	6.35	7.19	7.71	8.21	2.59	3.96	5.36	6.7	7.68	9.03	10.3	11	11.6
	t_2	[°C]	67	58	55	52	51	50	50	50	49	59	54	52	50	50	49	48	48	48
	nG	[rpm]	1400	1890	2390	2890	3240	3720	4130	4380	4620	1420	1910	2410	2890	3240	3720	4190	4440	4650
	nM	[rpm]	2800	2840	2870	2890	2890	2890	2890	2890	2890	2840	2870	2890	2890	2890	2890	2930	2930	2930
	Pk	[kW]	1.64	2.19	2.78	3.42	3.89	4.59	5.25	5.67	6.1	2.29	3.06	3.88	4.72	5.37	6.36	7.43	8.05	8.61
	P_{mot}	[kW]	2.2	3	4	5.5	5.5	7.5	7.5	7.5	7.5	3	4	5.5	7.5	7.5	7.5	11	11	11
	Motor size		90 L	100 L	112 M	132 S	132 S	132 S	132 S	132 S	132 S	100 L	112 M	132 S	132 S	132 S	132 S	160 M	160 M	160 M
	Lp(A)[dB]	w/o.H./w.H.	80/<65	82/<65	83/<65	85/68	85/67	88/66	89/66	89/<65	89/66	76/<65	78/69	80/66	82/65	84/65	86/66	91/71	91/71	92/71
400	$\dot{V}_1$	[m³/min]	1.38	2.39	3.42	4.42	5.14	6.14	7.11	7.63	8.14	2.41	3.8	5.14	6.49	7.58	8.95	10.1	10.8	11.4
	t_2	[°C]	92	75	69	65	64	62	61	60	60	76	68	64	62	61	59	59	58	58
	nG	[rpm]	1420	1910	2410	2890	3240	3720	4190	4440	4690	1435	1930	2410	2890	3280	3770	4190	4440	4650
	nM	[rpm]	2840	2870	2890	2890	2890	2890	2930	2930	2930	2870	2890	2890	2890	2930	2930	2930	2930	2930
	Pk	[kW]	2.16	2.87	3.64	4.41	5.01	5.88	6.79	7.31	7.85	2.99	3.99	5	6.07	6.98	8.23	9.39	10.1	10.8
	P_{mot}	[kW]	3	4	5.5	5.5	7.5	7.5	11	11	11	4	5.5	7.5	7.5	11	11	11	15	15
	Motor size		100 L	112 M	132 S	132 S	132 S	132 S	160M	160M	160M	112 M	132 S	132 S	132 S	160 M	160 M	160 M	160 M	160 M
	Lp(A)[dB]	w/o.H./w.H.	80/<65	82/<65	84/<65	86/68	86/68	89/67	90/67	90/67	91/68	77/<65	78/70	80/67	83/66	84/66	87/67	91/70	92/71	93/70
500	$\dot{V}_1$	[m³/min]	1.22	2.18	3.24	4.23	5.31	6.05	6.92	7.44	7.96	2.25	3.61	4.95	6.41	7.39	8.76	9.94	10.6	11.2
	t_2	[°C]	122	95	84	79	76	74	72	72	71	95	83	77	74	72	70	69	69	69
	nG	[rpm]	1435	1900	2410	2890	3410	3770	4190	4440	4690	1445	1930	2410	2930	3280	3770	4190	4440	4650
	nM	[rpm]	2870	2890	2890	2890	2890	2930	2930	2930	2930	2890	2890	2890	2930	2930	2930	2930	2930	2930
	Pk	[kW]	2.67	3.51	4.47	5.41	6.49	7.27	8.24	8.84	9.46	3.68	4.89	6.13	7.52	8.51	9.99	11.3	12.2	12.9
	P_{mot}	[kW]	4	5.5	5.5	7.5	7.5	11	11	11	11	5.5	7.5	7.5	11	11	15	15	15	15
	Motor size		112 M	132 S	132 S	132 S	132 S	160M	160M	160M	160M	132 S	132 S	132 S	160 M	160 M	160 M	160 M	160 M	160 M
	Lp(A)[dB]	w/o.H./w.H.	80/<65	82/<65	84/<65	87/68	89/68	90/68	91/68	91/69	92/70	77/<65	78/70	80/67	83/66	84/67	87/68	88/67	92/70	93/70
600	$\dot{V}_1$	[m³/min]		2.08	3.07	4.07	4.87	5.89	6.76	7.27	7.79	2.08	3.44	4.5	6.24	7.22	8.59	9.76	10.5	11.1
	t_2	[°C]		116	102	94	90	87	84	83	83	118	99	92	86	84	82	80	80	79
	nG	[rpm]		1930	2410	2890	3280	3770	4190	4440	4690	1445	1930	2310	2930	3280	3770	4190	4440	4650
	nM	[rpm]		2890	2890	2890	2930	2930	2930	2930	2930	2890	2890	2930	2930	2930	2930	2930	2930	2930
	Pk	[kW]		4.24	5.3	6.41	7.34	8.57	9.68	10.4	11.1	4.35	5.8	6.94	8.89	10	11.7	13.3	14.3	15.1
	P_{mot}	[kW]		5.5	7.5	7.5	11	11	11	15	15	5.5	7.5	11	11	15	15	15	18.5	18.5
	Motor size			132 S	132 S	132 S	160M	160M	160M	160 M	160 M	132 S	132 S	160 M	160 M	160 M	160 M	160 M	160 L	160 L
	Lp(A)[dB]	w/o.H./w.H.		84/<65	86/66	88/68	89/68	91/68	91/69	92/69	92/70	77/<65	78/71	80/68	84/67	85/68	87/69	88/68	92/70	94/70
700	$\dot{V}_1$	[m³/min]			2.92	4.00	4.72	5.71	6.60	7.12	7.64		3.28	4.34	6.08	7.06	8.43	9.61	10.3	10.9
	t_2	[°C]			120	109	104	100	97	96	94		117	107	99	96	93	92	91	90
	nG	[rpm]			2410	2930	3280	3760	4190	4440	4690		1930	2310	2930	3280	3770	4190	4440	4650
	nM	[rpm]			2890	2930	2930	2930	2930	2930	2930		2890	2930	2930	2930	2930	2930	2930	2930
	Pk	[kW]			6.13	7.51	8.47	9.84	11.1	11.9	12.7		6.7	8.02	10.3	11.6	13.5	15.3	16.3	17.3
	P_{mot}	[kW]			7.5	11	11	11	15	15	15		7.5	11	15	15	18.5	18.5	18.5	22
	Motor size				132 S	160M	160M	160M	160 M	160 M	160 M		132 S	160 M	160 M	160 M	160 L	160 L	160 L	180 M
	Lp(A)[dB]	w/o.H./w.H.			88/67	89/68	90/68	92/69	92/70	92/70	92/70		79/71	80/69	84/67	84/68	88/69	89/69	92/68	94/69
800	$\dot{V}_1$	[m³/min]												4.2	5.93	6.91	7.98	9.46	10.2	10.7
	t_2	[°C]												123	113	109	106	103	102	101
	nG	[rpm]												2310	2930	3280	3660	4190	4440	4650
	nM	[rpm]												2930	2930	2930	2930	2930	2930	2930
	Pk	[kW]												9.1	11.6	13.1	14.8	17.2	18.4	19.5
	P_{mot}	[kW]												11	15	15	18.5	22	22	22
	Motor size													160 M	160 M	160 M	160 L	180 M	180 M	180 M
	Lp(A)[dB]	w/o.H./w.H.												81/69	84/67	85/69	87/60	90/70	92/67	93/68
900	$\dot{V}_1$	[m³/min]														6.77	7.84	9.32	10.1	10.7
	t_2	[°C]														122	118	115	113	112
	nG	[rpm]														3280	3660	4190	4460	4680
	nM	[rpm]														2930	2930	2930	2945	2945
	Pk	[kW]														14.6	16.5	19.2	20.6	21.8
	P_{mot}	[kW]														18.5	18.5	22	30	30
	Motor size															160 L	160 L	180 M	200 L	200 L
	Lp(A)[dB]	w/o.H./w.H.														85/69	88/70	89/70	92/69	93/69
1000	$\dot{V}_1$	[m³/min]															7.71	8.72	9.95	10.6
	t_2	[°C]															131	128	125	124
	nG	[rpm]															3660	4020	4460	4680
	nM	[rpm]															2930	2945	2945	2945
	Pk	[kW]															18.2	20.2	22.7	24
	P_{mot}	[kW]															22	30	30	30
	Motor size																180 M	200 L	200 L	200 L
	Lp(A)[dB]	w/o.H./w.H.															89/70	89/70	92/70	93/72

Lower differential pressures on request. GM 10 S from 10 m³/min - accessories DN 100. Performance data are non-binding examples only.

Δp mbar	Blower size		GM 15 L / DN 100									GM 25 S / DN 125								
300	$\dot{V}_1$	[m³/min]	3.95	5.84	7.99	10.1	11.6	13.6	15.4	16.4	17.3	6.18	8.69	11.1	14.5	16.6	18.7	20.6	22.7	24.2
	t_2	[°C]	58	54	51	50	49	49	48	48	48	53	51	50	48	48	48	47	47	47
	nG	[rpm]	1435	1890	2410	2930	3290	3760	4190	4440	4650	1445	1890	2310	2930	3290	3660	4010	4370	4650
	nM	[rpm]	2870	2890	2890	2930	2930	2930	2930	2930	2930	2890	2890	2930	2930	2930	2930	2930	2930	2930
	Pk	[kW]	3.26	4.34	5.64	7.04	8.07	9.52	10.9	11.8	12.6	4.46	5.86	7.3	9.64	11.1	12.8	14.4	16.2	17.7
	P_{mot}	[kW]	4	5.5	7.5	11	11	11	15	15	15	5.5	7.5	11	11	15	15	18.5	18.5	22
	Motor size		112 M	132 S	132 S	160 M	160 M	160 M	160 M	160 M	160 M	132 S	132 S	160 M	160 M	160 M	160 M	160 L	160 L	180 M
	Lp(A)[dB]	w/o.H./w.H.	83/69	84/<65	86/<65	88/<65	87/65	89/66	91/67	91/68	91/69	81/66	85/66	87/70	92/69	92/69	93/69	92/69	94/71	96/72
400	$\dot{V}_1$	[m³/min]	3.69	5.53	7.27	9.84	11.3	13.3	15.1	16.1	17	5.88	8.56	10.8	14.2	16.3	18.4	20.3	22.5	24.1
	t_2	[°C]	74	67	64	61	60	59	59	58	58	66	62	60	59	58	58	57	57	57
	nG	[rpm]	1445	1890	2310	2930	3290	3760	4190	4440	4650	1445	1920	2310	2930	3290	3660	4010	4400	4680
	nM	[rpm]	2890	2890	2930	2930	2930	2930	2930	2930	2930	2890	2930	2930	2930	2930	2930	2930	2945	2950
	Pk	[kW]	4.28	5.64	6.97	9.06	10.3	12.1	13.8	14.9	15.8	5.82	7.76	9.47	12.4	14.2	16.2	18.2	20.5	22.2
	P_{mot}	[kW]	5.5	7.5	11	11	15	15	18.5	18.5	18.5	7.5	11	11	15	18.5	18.5	22	30	30
	Motor size		132 S	132 S	160 M	160 M	160 M	160 M	160 L	160 L	160 L	132 S	160 M	160 M	160 M	160 L	160 L	180 M	200 L	200 L
	Lp(A)[dB]	w/o.H./w.H.	83/68	85/<65	86/<65	88/<65	87/<65	88/67	92/67	92/69	94/71	83/67	86/67	87/71	92/69	93/69	93/70	93/70	95/71	98/72
500	$\dot{V}_1$	[m³/min]	3.42	5.38	7	9.57	11.1	12.6	14	15.8	16.7	5.73	8.29	10.5	14	16	18.1	20.2	22.3	23.8
	t_2	[°C]	93	82	77	73	72	70	69	69	68	80	75	72	69	68	68	67	67	66
	nG	[rpm]	1445	1920	2310	2930	3290	3660	4010	4440	4650	1465	1920	2310	2930	3290	3660	4030	4400	4680
	nM	[rpm]	2890	2930	2930	2930	2930	2930	2930	2930	2930	2930	2930	2930	2930	2930	2930	2945	2945	2950
	Pk	[kW]	5.28	7.06	8.57	11.1	12.6	14.3	15.9	18	19	7.27	9.56	11.6	15.1	17.3	19.6	22.1	24.6	26.6
	P_{mot}	[kW]	7.5	11	11	15	15	18.5	18.5	22	22	11	11	15	18.5	22	22	30	30	30
	Motor size		132 S	160 M	160 M	160 M	160 M	160 L	160 L	180 M	180 M	160 M	160 M	160 M	160 L	180 M	180 M	200 L	200 L	200 L
	Lp(A)[dB]	w/o.H./w.H.	84/67	87/<65	88/<65	90/<65	88/<65	88/67	91/68	94/70	96/72	85/67	88/68	88/71	93/69	93/70	94/71	94/71	97/72	99/72
600	$\dot{V}_1$	[m³/min]	3.17	5.14	6.75	9.32	10.8	12.3	14.5	15.7	16.6	5.49	8.05	10.2	13.7	15.9	18	19.9	22	23.6
	t_2	[°C]	115	98	91	85	83	82	80	79	79	95	87	84	80	79	78	77	77	76
	nG	[rpm]	1445	1920	2310	2930	3290	3660	4190	4460	4680	1465	1920	2310	2930	3310	3680	4030	4400	4680
	nM	[rpm]	2890	2930	2930	2930	2930	2930	2930	2945	2945	2930	2930	2930	2930	2945	2945	2945	2950	2950
	Pk	[kW]	6.28	8.38	10.2	13.1	14.9	16.8	19.6	21.1	22.4	8.65	11.4	13.8	17.9	20.5	23.2	25.8	28.7	31
	P_{mot}	[kW]	7.5	11	15	15	18.5	22	22	30	30	11	15	18.5	22	30	30	30	37	37
	Motor size		132 S	160 M	160 M	160 M	160 L	180 M	180 M	200 L	200 L	160 M	160 M	160 L	180 M	200 L	200 L	200 L	200 L	200 L
	Lp(A)[dB]	w/o.H./w.H.	86/68	88/<65	88/<65	89/<65	88/66	88/68	92/68	95/70	97/72	86/69	89/69	89/71	93/70	94/71	95/72	96/72	98/72	100/73
700	$\dot{V}_1$	[m³/min]		4.91	6.53	9.1	10.6	12.1	13.6	15.4	16.3	5.27	7.83	10	13.6	15.7	17.7	20.1	21.8	23.3
	t_2	[°C]		115	106	98	95	93	92	90	89	112	101	96	91	90	88	87	87	86
	nG	[rpm]		1920	2310	2930	3290	3660	4030	4460	4680	1465	1920	2310	2945	3310	3680	4100	4400	4670
	nM	[rpm]		2930	2930	2930	2930	2930	2945	2945	2945	2930	2930	2930	2945	2945	2945	2950	2950	2940
	Pk	[kW]		9.71	11.8	15.1	17.2	19.3	21.5	24.2	25.6	10	13.2	16	20.8	23.6	26.7	30.2	32.9	35.3
	P_{mot}	[kW]		11	15	18.5	22	22	30	30	30	15	15	18.5	30	30	30	37	37	45
	Motor size			160 M	160 M	160 L	180 M	180 M	200 L	200 L	200 L	160 M	160 M	160 L	200 L	200 L	200 L	200 L	200 L	225 M
	Lp(A)[dB]	w/o.H./w.H.		88/<65	88/<65	89/<65	89/67	89/70	90/68	96/70	99/72	87/69	90/69	91/72	93/70	94/70	96/71	97/71	98/72	100/73
800	$\dot{V}_1$	[m³/min]										5.06	7.68	9.8	13.4	15.4	17.6	19.8	21.5	23.1
	t_2	[°C]										129	115	109	103	101	99	98	97	96
	nG	[rpm]										1465	1930	2310	2945	3310	3690	4080	4390	4670
	nM	[rpm]										2930	2930	2930	2945	2945	2950	2940	2940	2940
	Pk	[kW]										11.4	15	18.1	23.5	26.7	30.2	33.9	36.9	39.7
	P_{mot}	[kW]										15	18.5	22	30	30	37	45	45	45
	Motor size											160 M	160 L	180 M	200 L	200 L	200 L	225 M	225 M	225 M
	Lp(A)[dB]	w/o.H./w.H.										88/70	91/70	92/73	94/71	95/70	96/70	97/70	99/71	101/73
900	$\dot{V}_1$	[m³/min]											7.49	9.68	13.2	15.3	17.3	19.6	21.4	23
	t_2	[°C]											129	122	115	112	110	108	107	106
	nG	[rpm]											1930	2320	2945	3320	3680	4080	4410	4690
	nM	[rpm]											2930	2945	2945	2950	2950	2940	2960	2960
	Pk	[kW]											16.9	20.4	26.3	30	33.6	37.7	41.2	44.3
	P_{mot}	[kW]											22	30	30	37	37	45	55	55
	Motor size												180 M	200 L	200 L	200 L	200 L	225 M	250 M	250 M
	Lp(A)[dB]	w/o.H./w.H.											92/70	94/73	95/71	96/71	97/71	97/72	99/72	101/73
1000	$\dot{V}_1$	[m³/min]													13	15.1	17.2	19.5	21.3	22.8
	t_2	[°C]													127	123	121	119	118	117
	nG	[rpm]													2950	3320	3680	4100	4410	4690
	nM	[rpm]													2950	2950	2940	2960	2960	2960
	Pk	[kW]													29.1	33.1	37	41.8	45.4	48.7
	P_{mot}	[kW]													37	37	45	55	55	55
	Motor size														200 L	200 L	225 M	250 M	250 M	250 M
	Lp(A)[dB]	w/o.H./w.H.													97/71	97/71	98/72	98/73	100/73	102/73

Lower differential pressures on request. Performance data are non-binding examples only.

Δp mbar	Blower size		GM 30 L / DN 150									GM 35 S / DN 150							
300	$\dot{V}_1$	[m³/min]	8.68	11.7	15.6	20.5	23.3	26.3	29.2	32.7	34.7	14	18.2	23.6	27.1	30.6	34.6	38.8	40.3
	t_2	[°C]	53	51	50	49	48	48	48	47	47	50	49	48	48	47	47	47	47
	nG	[rpm]	1445	1830	2310	2930	3280	3660	4020	4460	4710	1490	1860	2330	2640	2945	3300	3670	3800
	nM	[rpm]	2890	2930	2930	2930	2930	2930	2945	2945	2945	2930	2930	2930	2930	2945	2945	2950	2950
	Pk	[kW]	6.38	8.13	10.5	13.7	15.7	17.9	20.2	23.1	24.8	9.56	12.2	15.8	18.4	21.2	24.9	29.1	30.7
	P_{mot}	[kW]	7.5	11	15	18.5	18.5	22	30	30	30	11	15	18.5	22	30	30	37	37
	Motor size		132 S	160 M	160 M	160 M	160 L	180 M	200 L	200 L	200 L	160 M	160 M	160 L	180 M	200 L	200 L	200 L	200 L
	Lp(A)[dB]	w/o.H./w.H.	84/71	86/70	88/73	91/72	93/73	95/74	96/74	97/74	97/75	86/67	90/68	92/72	92/71	91/71	92/71	96/71	99/71
400	$\dot{V}_1$	[m³/min]	8.41	12	15.1	20.1	23	26	28.7	32.3	34.3	13.6	17.8	23.2	26.4	30.1	34.2	38.2	39.8
	t_2	[°C]	66	63	61	59	58	58	57	57	57	62	60	58	58	57	57	56	56
	nG	[rpm]	1465	1920	2310	2930	3300	3680	4020	4470	4720	1490	1860	2340	2620	2945	3300	3660	3800
	nM	[rpm]	2930	2930	2930	2930	2945	2945	2945	2950	2950	2930	2930	2945	2945	2945	2950	2940	2940
	Pk	[kW]	8.41	11.1	13.5	17.6	20.2	22.9	25.5	29.1	31.2	12.4	15.7	20.3	23.2	26.8	31.1	35.9	37.9
	P_{mot}	[kW]	11	15	18.5	22	30	30	30	37	37	15	18.5	30	30	30	37	45	45
	Motor size		160 M	160 M	160 L	180 M	200 L	200 L	200 L	200 L	200 L	160 M	160 L	200 L	200 L	200 L	200 L	225 M	225 M
	Lp(A)[dB]	w/o.H./w.H.	85/71	88/71	89/74	91/72	93/72	95/73	96/73	98/74	99/75	87/68	90/69	93/73	92/72	92/71	94/71	97/72	99/72
500	$\dot{V}_1$	[m³/min]	8.02	11.7	14.7	19.8	22.6	25.7	28.4	31.3	33.8	12.9	17.4	22.9	26	29.8	33.6	38.1	39.4
	t_2	[°C]	81	75	72	70	69	68	67	67	66	74	71	69	68	67	66	66	66
	nG	[rpm]	1465	1930	2310	2945	3300	3690	4020	4390	4700	1465	1860	2340	2620	2950	3290	3680	3800
	nM	[rpm]	2930	2930	2930	2945	2945	2950	2950	2940	2940	2930	2930	2945	2950	2950	2940	2955	2955
	Pk	[kW]	10.4	13.7	16.6	21.6	24.6	27.9	30.9	34.3	37.2	14.9	19.2	24.7	28.2	32.5	37.2	43.2	45.1
	P_{mot}	[kW]	15	18.5	22	30	30	37	37	45	45	18.5	22	30	37	37	45	55	55
	Motor size		160 M	160 L	180 M	200 L	200 L	200 L	200 L	225 M	225 M	160 L	180 M	200 L	200 L	200 L	225 M	250 M	250 M
	Lp(A)[dB]	w/o.H./w.H.	86/72	90/72	90/75	91/73	93/72	95/72	97/72	99/73	100/75	87/69	91/70	94/73	93/72	93/72	97/72	98/73	100/73
600	$\dot{V}_1$	[m³/min]	7.68	10.6	14.6	19.5	22.3	25.4	28.5	31	33.7	12.6	16.8	22.5	25.7	29.3	33.5	37.9	39.1
	t_2	[°C]	96	89	84	81	79	78	77	77	76	87	82	79	78	77	76	76	75
	nG	[rpm]	1465	1830	2330	2945	3300	3690	4080	4390	4730	1465	1840	2340	2620	2940	3310	3700	3800
	nM	[rpm]	2930	2930	2950	2945	2950	2950	2940	2940	2960	2930	2945	2950	2950	2940	2955	2970	2970
	Pk	[kW]	12.3	15.4	19.8	25.5	28.9	32.8	36.8	40.1	43.8	17.7	22.5	29.2	33.1	37.9	43.8	50.5	52.3
	P_{mot}	[kW]	15	18.5	30	30	37	37	45	45	55	22	30	37	37	45	55	75	75
	Motor size		160 M	160 L	200 L	200 L	200 L	200 L	225 M	225 M	250 M	180 M	200 L	200 L	200 L	225 M	250 M	280 S	280 S
	Lp(A)[dB]	w/o.H./w.H.	86/72	88/72	90/75	92/73	94/73	97/73	99/74	99/74	100/75	88/71	91/70	95/73	94/72	93/72	99/73	99/74	100/74
700	$\dot{V}_1$	[m³/min]	7.36	10.3	14.2	19.2	22	24.8	28.3	30.8	33.6	12.3	16.5	22.2	25.7	29.2	33.4	37.6	38.8
	t_2	[°C]	113	103	96	92	90	89	87	87	86	100	94	90	89	87	86	85	85
	nG	[rpm]	1465	1830	2330	2950	3300	3660	4100	4410	4760	1475	1840	2340	2650	2955	3330	3700	3800
	nM	[rpm]	2930	2930	2945	2950	2950	2940	2955	2960	2970	2945	2945	2950	2940	2955	2970	2970	2970
	Pk	[kW]	14.2	17.8	22.9	29.5	33.3	37.4	42.5	46.2	50.5	20.6	26	33.6	38.6	43.7	50.4	57.5	59.5
	P_{mot}	[kW]	18.5	22	30	37	37	45	55	55	75	30	30	37	45	55	75	75	75
	Motor size		160 L	180 M	200 L	200 L	200 L	225 M	250 M	250 M	280 S	200 L	200 L	200 L	225 M	250 M	280 S	280 S	280 S
	Lp(A)[dB]	w/o.H./w.H.	86/73	89/72	90/75	94/73	96/73	101/74	102/75	99/75	100/75	88/71	91/71	94/74	95/73	96/72	100/72	100/73	101/73
800	$\dot{V}_1$	[m³/min]										12	16.2	21.7	25.5	28.8	33.1	35.3	38.4
	t_2	[°C]										113	106	101	99	98	97	96	95
	nG	[rpm]										1475	1840	2330	2660	2955	3330	3520	3800
	nM	[rpm]										2945	2950	2940	2960	2955	2970	2970	2970
	Pk	[kW]										23.4	29.4	37.8	43.8	49.3	56.7	60.7	66.7
	P_{mot}	[kW]										30	37	45	55	55	75	75	75
	Motor size											200 L	200 L	225 M	250 M	250 M	280 S	280 S	280 S
	Lp(A)[dB]	w/o.H./w.H.										89/72	91/72	94/75	96/73	99/73	101/72	101/72	102/72
900	$\dot{V}_1$	[m³/min]										11.8	15.9	21.7	24.9	28.7	32.8	37	38.2
	t_2	[°C]										127	119	113	110	108	107	106	105
	nG	[rpm]										1475	1840	2350	2630	2970	3330	3700	3800
	nM	[rpm]										2945	2950	2955	2955	2970	2970	2970	2970
	Pk	[kW]										26.2	32.9	42.6	48.2	55.2	63	71.5	73.9
	P_{mot}	[kW]										30	37	55	55	75	75	90	90
	Motor size											200 L	200 L	250 M	250 M	280 S	280 S	280 M2	280 M2
	Lp(A)[dB]	w/o.H./w.H.										89/72	92/72	95/75	96/73	99/73	101/73	102/73	103/73
1000	$\dot{V}_1$	[m³/min]											15.6	21.4	24.7	28.5	30.3	36.8	37.9
	t_2	[°C]											132	124	122	119	118	116	115
	nG	[rpm]											1840	2350	2640	2970	3130	3700	3800
	nM	[rpm]											2940	2955	2970	2970	2970	2970	2970
	Pk	[kW]											36.4	47.1	53.4	60.9	64.6	78.5	81.1
	P_{mot}	[kW]											45	55	75	75	75	90	90
	Motor size												225 M	250 M	280 S	280 S	280 S	280 M2	280 M2
	Lp(A)[dB]	w/o.H./w.H.											92/72	95/75	97/74	100/73	101/73	102/74	104/75

Lower differential pressures on request. Performance data are non-binding examples only.

Δp mbar	Blower size		GM 50 L / DN 150							GM 50 L / DN 200			GM 60 S / DN 200								
300	$\dot{V}_1$	[m³/min]	19.7	22.5	26	33.7	38.2	41.1	43.5	49.1	52.2	55.1	20.1	26.9	30.9	35.7	40.1	45.9	52.4	55.7	59
	t_2	[°C]	50	49	49	48	48	47	47	47	47	47	51	50	49	49	48	48	47	47	47
	nG	[rpm]	1465	1640	1860	2340	2620	2800	2950	3300	3490	3670	1150	1465	1650	1870	2070	2340	2640	2790	2940
	nM	[rpm]	2930	2930	2930	2945	2945	2950	2950	2950	2940	2940	2930	2930	2945	2945	2945	2950	2940	2940	2940
	Pk	[kW]	13.2	15	17.5	23.4	27.2	29.8	32.1	32.8	35.4	38	13.4	17.4	19.9	23	26	30.1	34.9	37.4	40
	P_{mot}	[kW]	15	18.5	22	30	30	37	37	37	45	45	15	22	30	30	30	37	45	45	45
	Motor size		160 M	160 L	180 M	200 L	200 L	200 L	200 L	200 L	225 M	225 M	160 M	180 M	200 L	200 L	200 L	200 L	225 M	225 M	225 M
	Lp(A)[dB]	w/o.H./w.H.	87/71	87/70	90/70	92/70	91/70	92/69	92/70	98/71	98/72	100/74	86/73	89/73	93/73	97/74	96/74	97/75	98/75	99/76	99/76
400	$\dot{V}_1$	[m³/min]	19.1	21.9	25.1	33.2	38.1	40.4	42.8	48.7	51.4	54.8	19.3	26.4	30.2	35	39.7	45	52.1	55.2	58.8
	t_2	[°C]	61	60	59	58	57	57	57	56	56	56	63	61	60	59	58	58	57	57	57
	nG	[rpm]	1465	1640	1840	2340	2650	2790	2940	3310	3480	3690	1150	1475	1650	1870	2090	2330	2660	2800	2970
	nM	[rpm]	2930	2930	2945	2950	2940	2940	2940	2955	2955	2960	2930	2945	2945	2950	2940	2940	2955	2955	2970
	Pk	[kW]	17.1	19.4	22.2	29.6	34.7	37.2	39.8	41.8	44.6	48.1	17.5	22.9	25.9	29.8	33.9	38.4	44.9	47.7	51.2
	P_{mot}	[kW]	22	22	30	37	45	45	45	55	55	55	22	30	30	37	45	45	55	55	75
	Motor size		180 M	180 M	200 L	200 L	225 M	225 M	225 M	250 M	250 M	250 M	180 M	200 L	200 L	200 L	225 M	225 M	250 M	250 M	280 S
	Lp(A)[dB]	w/o.H./w.H.	87/69	88/69	91/70	92/71	92/71	92/71	92/70	98/71	99/73	100/75	87/74	90/73	93/73	97/74	97/74	97/75	99/76	99/76	101/76
500	$\dot{V}_1$	[m³/min]	18.8	21.6	24.6	32.5	37.8	40	42.5	48.4	51.2	54.6	18.9	25.7	29.5	34.3	39.3	44.5	51.5	54.9	58.2
	t_2	[°C]	73	71	70	68	67	67	67	66	66	66	76	72	71	70	69	68	67	67	66
	nG	[rpm]	1475	1650	1840	2330	2660	2800	2955	3320	3500	3710	1160	1475	1650	1870	2100	2340	2660	2820	2970
	nM	[rpm]	2945	2945	2945	2940	2955	2955	2955	2970	2970	2970	2945	2950	2950	2940	2955	2955	2970	2970	2970
	Pk	[kW]	21.2	24	27.1	35.7	42	44.8	48	50.9	54.3	58.4	21.9	28.2	31.9	36.6	41.6	47.1	54.5	58.3	62
	P_{mot}	[kW]	30	30	30	45	55	55	55	75	75	75	30	37	37	45	55	55	75	75	75
	Motor size		200 L	200 L	200 L	225 M	250 M	250 M	250 M	280 S	280 S	280 S	200 L	200 L	200 L	225 M	250 M	250 M	280 S	280 S	280 S
	Lp(A)[dB]	w/o.H./w.H.	88/68	90/69	92/70	93/74	92/74	92/72	93/71	99/72	99/73	101/76	88/74	91/74	93/74	97/74	97/74	97/75	100/76	100/76	102/77
600	$\dot{V}_1$	[m³/min]	18.3	21.1	24.1	32.3	37.3	39.9	42.3	47.9	50.8	54.1	18.3	25.1	28.9	33.7	38.7	44.3	50.9	53.2	57.4
	t_2	[°C]	85	83	81	79	77	77	77	76	76	75	89	84	82	80	79	78	77	77	76
	nG	[rpm]	1475	1650	1840	2350	2660	2820	2970	3320	3500	3710	1160	1475	1650	1870	2100	2360	2660	2770	2960
	nM	[rpm]	2945	2950	2950	2955	2955	2970	2970	2970	2970	2970	2945	2950	2940	2955	2955	2970	2970	2970	1480
	Pk	[kW]	25.2	28.4	32	42.3	49.1	52.8	56.3	59.7	63.6	68.3	26.1	33.6	37.8	43.3	49.2	56.1	64.1	67.2	72.5
	P_{mot}	[kW]	30	37	37	55	55	75	75	75	75	90	30	37	45	55	55	75	75	75	90
	Motor size		200 L	200 L	200 L	250 M	250 M	280 S	280 S	280 S	280 S	280 M	200 L	200 L	225 M	250 M	250 M	280 S	280 S	280 S	280 M
	Lp(A)[dB]	w/o.H./w.H.	88/69	90/69	92/70	94/75	93/74	94/74	95/73	100/72	101/74	103/76	90/75	92/75	94/74	97/74	97/75	98/75	100/76	101/77	103/78
700	$\dot{V}_1$	[m³/min]	17.9	20.7	23.7	31.7	36.6	39.4	41.8	44.7	50.3	53.7	17.7	24.5	28.2	33.4	38.4	43.8	49.9	52.5	57.2
	t_2	[°C]	98	95	93	89	88	87	87	86	85	85	103	96	94	92	90	89	87	87	86
	nG	[rpm]	1475	1650	1840	2340	2640	2820	2970	3150	3500	3710	1160	1470	1640	1880	2110	2360	2640	2760	2980
	nM	[rpm]	2950	2950	2940	2955	2970	2970	2970	2970	2970	2970	2950	2940	2955	2970	2970	2970	1480	1480	1485
	Pk	[kW]	29.1	32.8	36.9	48.4	55.7	60.3	64.2	64.6	73	78.2	30.3	38.8	43.5	50.4	57.1	64.6	73.2	76.9	83.8
	P_{mot}	[kW]	37	37	45	55	75	75	75	75	90	90	37	45	55	75	75	75	90	90	110
	Motor size		200 L	200 L	225 M	250 M	280 S	280 S	280 S	280 S	280 M	280 M	200 L	225 M	250 M	280 S	280 S	280 S	280 M	280 M	315 S
	Lp(A)[dB]	w/o.H./w.H.	89/69	91/69	92/70	95/75	95/75	95/75	97/75	99/75	102/74	105/76	91/75	94/74	95/74	98/75	98/75	99/77	100/77	102/77	103/78
800	$\dot{V}_1$	[m³/min]											17.2	24.1	27.6	32.9	37.8	43.1	49.6	52.2	56.7
	t_2	[°C]											118	109	106	103	101	99	98	97	96
	nG	[rpm]											1160	1475	1640	1880	2110	2350	2650	2770	2980
	nM	[rpm]											2940	2955	2955	2970	2970	1480	1485	1485	1485
	Pk	[kW]											34.5	44.2	49.5	57.2	64.8	72.8	83.1	87.2	94.6
	P_{mot}	[kW]											45	55	55	75	75	90	110	110	110
	Motor size												225 M	250 M	250 M	280 S	280 S	280 M	315 S	315 S	315 S
	Lp(A)[dB]	w/o.H./w.H.											92/75	98/74	98/74	101/75	100/76	101/78	102/78	103/78	104/78
900	$\dot{V}_1$	[m³/min]											16.7	23.6	27.4	32.4	37.4	42.4	49.1	51.7	56.2
	t_2	[°C]											133	122	119	115	112	110	108	108	107
	nG	[rpm]											1160	1475	1650	1880	2110	2340	2650	2770	2980
	nM	[rpm]											2940	2955	2970	2970	1480	1480	1485	1485	1485
	Pk	[kW]											38.7	49.6	55.8	64	72.4	80.9	92.6	97.2	105
	P_{mot}	[kW]											45	55	75	75	90	90	110	110	132
	Motor size												225 M	250 M	280 S	280 S	280 M	280 M	315 S	315 S	315 M
	Lp(A)[dB]	w/o.H./w.H.											92/75	97/74	99/75	101/75	101/76	100/77	102/78	103/78	104/78
1000	$\dot{V}_1$	[m³/min]												23.3	26.9	31.9	36.3	42.1	48.6	51.2	55.8
	t_2	[°C]												135	131	127	124	121	119	118	117
	nG	[rpm]												1485	1650	1880	2080	2350	2650	2770	2980
	nM	[rpm]												2970	2970	1480	1480	1485	1485	1485	1485
	Pk	[kW]												55.3	61.7	70.8	78.8	89.8	102	107	116
	P_{mot}	[kW]												75	75	90	90	110	132	132	132
	Motor size													280 S	280 S	280 M	280 M	315 S	315 M	315 M	315 M
	Lp(A)[dB]	w/o.H./w.H.												98/75	100/76	102/76	101/77	100/78	102/78	103/78	105/78

Lower differential pressures on request. GM 50 L from 45 m³/min - accessories DN 200. Performance data are non-binding examples only.

Δp mbar	Blower size		GM 80 L / DN 250									GM 90 S / DN 250								
300	$\dot{V}_1$	[m³/min]	**22.8**	**33.1**	**37.9**	**46.4**	**56.2**	**64.2**	**73.5**	**78.7**	**83.9**	**33.7**	**43.8**	**54.2**	**58.7**	**66.6**	**70.8**	**80.3**	**85.7**	**90.3**
	t_2	[°C]	53	51	50	49	48	48	48	47	47	50	49	48	48	48	48	47	47	47
	nG	[rpm]	975	1310	1465	1740	2060	2320	2620	2790	2960	978	1220	1470	1580	1770	1870	2100	2230	2340
	nM	[rpm]	1460	1465	1465	1470	1470	1475	1480	1480	1480	1465	1465	1470	1470	1475	1475	1480	1480	1480
	Pk	[kW]	15.8	21.7	24.5	29.9	36.7	42.8	50.5	55.2	60.3	21.3	27.1	33.7	36.8	42.6	45.8	53.7	58.4	62.7
	P_{mot}	[kW]	18.5	30	30	37	45	55	75	75	75	30	30	45	45	55	55	75	75	75
	Motor size		180 M	200 L	200 L	225 S	225 M	250 M	280 S	280 S	280 S	200 L	200 L	225 M	225 M	250 M	250 M	280 S	280 S	280 S
	Lp(A)[dB]	w/o.H./w.H.	86/73	89/75	90/75	94/73	97/75	96/76	97/78	98/78	101/79	88/73	91/74	94/75	94/74	100/75	101/76	100/79	99/78	100/78
400	$\dot{V}_1$	[m³/min]	**21.7**	**32.0**	**36.9**	**45.2**	**56.0**	**63.4**	**72.7**	**77.6**	**82.8**	**32.8**	**43.1**	**53.3**	**57.7**	**64.7**	**70.1**	**79.3**	**84.7**	**89.2**
	t_2	[°C]	66	62	61	60	58	58	57	57	57	62	60	58	58	58	57	57	57	56
	nG	[rpm]	975	1310	1470	1740	2090	2330	2630	2790	2960	980	1230	1475	1580	1750	1880	2100	2230	2340
	nM	[rpm]	1465	1470	1470	1470	1475	1480	1480	1480	1480	1470	1470	1475	1475	1480	1480	1480	1480	1480
	Pk	[kW]	20.8	28.4	32.2	38.8	48.1	55.0	64.3	69.6	75.5	28.1	35.9	44.1	47.8	54.1	59.1	68.2	73.9	78.9
	P_{mot}	[kW]	30	37	37	45	55	75	75	90	90	37	45	55	55	75	75	90	90	90
	Motor size		200 L	225 S	225 S	225 M	250 M	280 S	280 S	280 M	280 M	225 S	225 M	250 M	250 M	280 S	280 S	280 M	280 M	280 M
	Lp(A)[dB]	w/o.H./w.H.	86/73	90/75	92/75	95/74	96/75	96/77	98/78	99/79	102/80	89/74	92/75	95/76	97/75	100/76	101/76	100/79	100/78	100/77
500	$\dot{V}_1$	[m³/min]	**20.7**	**31.0**	**35.9**	**44.3**	**55.4**	**62.4**	**72.0**	**76.6**	**82.1**	**31.8**	**42.2**	**52.6**	**56.3**	**63.8**	**69.2**	**79.2**	**83.7**	**90.0**
	t_2	[°C]	81	74	73	71	69	68	67	67	67	74	71	69	68	68	67	67	66	66
	nG	[rpm]	975	1310	1470	1740	2100	2330	2640	2790	2970	980	1230	1480	1570	1750	1880	2120	2230	2380
	nM	[rpm]	1465	1470	1470	1475	1480	1480	1480	1485	1485	1470	1475	1480	1480	1480	1480	1485	1485	1485
	Pk	[kW]	25.8	35.1	39.7	47.8	59.2	67.0	78.2	83.9	91.1	34.9	44.4	54.5	58.3	66.2	72.1	83.7	89.3	97.2
	P_{mot}	[kW]	30	45	45	55	75	75	90	110	110	45	55	75	75	75	90	110	110	110
	Motor size		200 L	225 M	225 M	250 M	280 S	280 S	280 M	315 S	315 S	225 M	250 M	280 S	280 S	280 S	280 M	315 S	315 S	315 S
	Lp(A)[dB]	w/o.H./w.H.	87/74	92/75	93/75	95/74	95/76	96/77	99/78	101/79	103/80	89/74	92/76	96/77	97/76	101/76	102/76	101/79	100/78	101/77
600	$\dot{V}_1$	[m³/min]	**20.0**	**30.1**	**35.2**	**43.7**	**54.5**	**61.9**	**72.0**	**75.7**	**81.3**	**31.1**	**41.4**	**51.7**	**55.5**	**63.0**	**68.4**	**78.3**	**82.9**	**89.5**
	t_2	[°C]	96	87	85	82	80	79	77	77	77	86	82	80	79	78	77	76	76	76
	nG	[rpm]	980	1310	1475	1750	2100	2340	2670	2790	2970	982	1230	1480	1570	1750	1880	2120	2230	2390
	nM	[rpm]	1470	1475	1475	1480	1480	1480	1485	1485	1485	1475	1480	1480	1480	1480	1485	1485	1485	1485
	Pk	[kW]	31.0	41.8	47.4	57.1	70.0	79.3	93.0	98.2	106	41.8	52.9	64.7	69.1	78.3	85.1	98.4	105	114
	P_{mot}	[kW]	37	55	55	75	90	90	110	110	132	55	75	75	90	90	110	110	132	132
	Motor size		225 S	250 M	250 M	280 S	280 M	280 M	315 S	315 S	315 M	250 M	280 S	280 S	280 M	280 M	315 S	315 S	315 M	315 M
	Lp(A)[dB]	w/o.H./w.H.	89/74	91/75	93/75	95/75	95/76	96/78	99/78	101/79	103/80	90/74	93/77	97/78	98/77	102/76	103/76	101/79	101/78	102/77
700	$\dot{V}_1$	[m³/min]	**19.1**	**29.3**	**34.5**	**42.9**	**53.6**	**61.0**	**71.2**	**74.9**	**80.1**	**30.3**	**40.6**	**51.0**	**54.7**	**62.6**	**67.6**	**77.5**	**82.1**	**87.5**
	t_2	[°C]	112	101	97	94	91	89	88	87	87	99	94	91	90	88	88	87	86	86
	nG	[rpm]	980	1310	1480	1750	2100	2340	2670	2790	2960	982	1230	1480	1570	1760	1880	2120	2230	2360
	nM	[rpm]	1470	1475	1480	1480	1480	1485	1485	1485	1480	1475	1480	1480	1480	1485	1485	1485	1480	1480
	Pk	[kW]	36.0	48.6	55.2	66.1	80.8	91.4	107	113	121	48.6	61.4	75.0	80.0	91.0	98.2	113	120	129
	P_{mot}	[kW]	45	55	75	75	90	110	132	132	160	55	75	90	90	110	110	132	160	160
	Motor size		225 M	250 M	280 S	280 S	280 M	315 S	315 M	315 M	315 M	250 M	280 S	280 M	280 M	315 S	315 S	315 M	315 M	315 M
	Lp(A)[dB]	w/o.H./w.H.	88/75	91/75	93/75	95/76	95/77	97/78	101/79	102/79	104/80	91/75	94/77	98/78	99/77	103/77	104/76	102/78	102/78	103/79
800	$\dot{V}_1$	[m³/min]										**29.7**	**39.9**	**50.4**	**54.0**	**61.9**	**67.3**	**76.8**	**81.0**	**86.8**
	t_2	[°C]										112	106	102	101	99	98	97	96	96
	nG	[rpm]										985	1230	1485	1570	1760	1890	2120	2220	2360
	nM	[rpm]										1480	1480	1485	1485	1485	1485	1480	1480	1480
	Pk	[kW]										55.6	69.9	85.5	90.9	103	112	128	135	145
	P_{mot}	[kW]										75	90	110	110	132	132	160	160	160
	Motor size											280 S	280 M	315 S	315 S	315 M	315 M	315 M	315 M	315 M
	Lp(A)[dB]	w/o.H./w.H.										91/75	95/77	99/78	100/77	104/77	105/77	104/78	103/79	104/81
900	$\dot{V}_1$	[m³/min]										**29.0**	**39.2**	**49.8**	**53.3**	**61.2**	**66.6**	**76.1**	**80.3**	**86.1**
	t_2	[°C]										126	118	113	112	110	109	107	106	106
	nG	[rpm]										985	1230	1485	1570	1760	1890	2120	2220	2360
	nM	[rpm]										1480	1480	1485	1485	1485	1480	1480	1485	1485
	Pk	[kW]										62.4	78.4	95.8	102	115	125	142	150	161
	P_{mot}	[kW]										75	90	110	132	132	160	160	200	200
	Motor size											280 S	280 M	315 S	315 M	315 M	315 M	315 M	315 M	315 M
	Lp(A)[dB]	w/o.H./w.H.										91/75	95/77	98/79	100/78	104/79	105/78	104/78	103/80	104/81
1000	$\dot{V}_1$	[m³/min]											**38.5**	**49.1**	**52.7**	**60.5**	**65.9**	**75.5**	**79.6**	**85.5**
	t_2	[°C]											131	125	124	121	120	118	117	116
	nG	[rpm]											1230	1485	1570	1760	1890	2120	2220	2360
	nM	[rpm]											1485	1485	1485	1480	1480	1485	1485	1485
	Pk	[kW]											86.9	106	113	128	138	157	166	178
	P_{mot}	[kW]											110	132	132	160	160	200	200	200
	Motor size												315 S	315 M	315 M	315 M	315 M	315 M	315 M	315 M
	Lp(A)[dB]	w/o.H./w.H.											95/78	98/79	100/79	104/80	105/80	104/80	104/81	104/81

Lower differential pressures on request. Performance data are non-binding examples only.

Δp mbar	Blower size		GM 130 L / DN 300									GM 150 S / DN 300							
300	$\dot{V}_1$	[m³/min]	47.8	62.9	78.0	82.2	94.3	102	115	131	134	77.3	94.4	102	116	122	132	147	152
	t_2	[°C]	51	50	49	49	48	48	48	47	47	49	48	48	48	48	47	47	47
	nG	[rpm]	980	1230	1480	1550	1750	1880	2100	2350	2400	982	1170	1250	1410	1480	1580	1750	1800
	nM	[rpm]	1470	1470	1480	1480	1480	1480	1480	1485	1485	1475	1480	1480	1480	1480	1485	1485	1485
	Pk	[kW]	32.0	40.8	50.5	53.3	61.9	67.9	78.7	92.1	95.0	48.4	59.4	64.5	75.3	80.3	87.8	102	106
	P_{mot}	[kW]	37	45	75	75	75	75	90	110	110	55	75	75	90	90	110	132	132
	Motor size		225 S	225 M	280 S	280 S	280 S	280 S	280 M	315 S	315 S	250 M	280 S	280 S	280 M	280 M	315 S	315 M	315 M
	Lp(A)[dB]	w/o.H./w.H.	93/75	95/77	101/79	100/79	101/80	101/80	103/81	104/82	104/82	95/79	97/79	97/79	97/80	98/80	99/80	101/81	101/81
400	$\dot{V}_1$	[m³/min]	46.2	61.2	76.3	80.5	93.2	100	115	130	132	75.8	92.6	101	114	121	130	146	150
	t_2	[°C]	63	61	59	59	58	58	57	57	57	59	58	58	57	57	57	57	57
	nG	[rpm]	982	1230	1480	1550	1760	1880	2120	2370	2400	985	1170	1260	1410	1485	1580	1760	1800
	nM	[rpm]	1475	1480	1480	1480	1480	1485	1485	1485	1485	1480	1480	1485	1485	1485	1485	1480	1480
	Pk	[kW]	41.9	53.2	65.4	68.9	80.1	86.8	101	117	119	63.4	77.1	84.2	96.6	103	112	129	133
	P_{mot}	[kW]	55	75	75	90	90	110	132	132	132	75	90	110	110	132	132	160	160
	Motor size		250 M	280 S	280 S	280 M	280 M	315 S	315 M	315 M	315 M	280 S	280 M	315 S	315 S	315 M	315 M	315 M	315 M
	Lp(A)[dB]	w/o.H./w.H.	93/76	96/78	102/80	101/79	102/80	103/81	103/81	105/83	106/83	96/79	97/79	98/79	98/80	98/80	99/80	101/81	102/82
500	$\dot{V}_1$	[m³/min]	44.8	60.8	74.7	86.2	91.6	98.9	113	128	130	74.2	91	100	113	120	127	144	148
	t_2	[°C]	76	72	70	69	69	68	67	67	67	70	69	68	67	67	67	66	66
	nG	[rpm]	985	1250	1480	1670	1760	1880	2120	2370	2400	985	1170	1270	1410	1485	1570	1760	1800
	nM	[rpm]	1480	1480	1480	1485	1485	1485	1480	1480	1480	1480	1485	1485	1485	1480	1480	1485	1485
	Pk	[kW]	52.0	66.8	80.3	92.0	97.8	106	122	141	143	78.3	94.8	104	118	126	135	156	160
	P_{mot}	[kW]	75	75	90	110	110	132	160	160	160	90	110	132	132	160	160	200	200
	Motor size		280 S	280 S	280 M	315 S	315 S	315 M	315 M	315 M	315 M	280 M	315 S	315 M	315 M	315 M	315 M	315 M	315 M
	Lp(A)[dB]	w/o.H./w.H.	92/77	97/79	102/80	101/80	103/81	104/81	104/81	107/83	107/83	97/79	97/79	98/79	98/79	98/80	99/81	101/82	102/82
600	$\dot{V}_1$	[m³/min]	43.4	59.4	73.6	84.8	90.2	97.5	112	119	126	72.7	89.5	101	110	118	126	143	147
	t_2	[°C]	89	84	81	80	79	79	77	77	77	82	80	78	78	77	77	76	76
	nG	[rpm]	985	1250	1485	1670	1760	1880	2120	2230	2360	985	1170	1300	1400	1485	1570	1760	1800
	nM	[rpm]	1480	1480	1485	1485	1485	1480	1480	1485	1485	1485	1485	1480	1480	1485	1485	1485	1485
	Pk	[kW]	61.9	79.3	95.5	109	116	125	144	153	164	93.2	113	127	138	148	158	182	188
	P_{mot}	[kW]	75	90	110	132	132	160	160	200	200	110	132	160	160	200	200	250	250
	Motor size		280 S	280 M	315 S	315 M	315 M	315 M	315 M	315 M	315 M	315 S	315 M	315 M	315 M	315 M	315 M	315 L	315 L
	Lp(A)[dB]	w/o.H./w.H.	94/78	97/80	104/82	102/82	104/83	105/83	107/83	107/83	107/84	99/79	99/79	99/79	99/80	100/80	100/82	102/83	102/83
700	$\dot{V}_1$	[m³/min]										71.4	88.2	96.3	109	117	125	142	145
	t_2	[°C]										93	91	89	88	88	87	86	86
	nG	[rpm]										985	1170	1260	1400	1485	1580	1760	1800
	nM	[rpm]										1485	1480	1480	1485	1485	1485	1485	1485
	Pk	[kW]										108	130	141	159	170	183	209	215
	P_{mot}	[kW]										132	160	160	200	200	250	250	250
	Motor size											315 M	315 M	315 M	315 M	315 M	315 L	315 L	315 L
	Lp(A)[dB]	w/o.H./w.H.										100/80	100/80	100/80	100/80	101/81	101/82	102/83	102/83
800	$\dot{V}_1$	[m³/min]										70.2	88.8	96.0	108	116	124	140	144
	t_2	[°C]										105	101	100	99	98	97	96	96
	nG	[rpm]										985	1190	1270	1400	1488	1580	1760	1800
	nM	[rpm]										1480	1485	1485	1485	1485	1485	1490	1490
	Pk	[kW]										123	151	162	180	193	207	235	242
	P_{mot}	[kW]										160	200	200	200	250	250	315	315
	Motor size											315 M	315 M	315 M	315 M	315 L	315 L	315 L	315 L
	Lp(A)[dB]	w/o.H./w.H.										101/80	100/80	100/80	100/80	102/82	102/83	102/83	103/84
900	$\dot{V}_1$	[m³/min]										69	87.6	94.9	107	115	123	139	143
	t_2	[°C]										118	113	111	110	109	108	106	106
	nG	[rpm]										985	1190	1270	1400	1488	1580	1760	1800
	nM	[rpm]										1480	1485	1485	1485	1485	1490	1490	1490
	Pk	[kW]										138	169	181	202	216	231	262	269
	P_{mot}	[kW]										160	200	200	250	250	315	315	315
	Motor size											315 M	315 M	315 M	315 L	315 L	315 L	315 L	315 L
	Lp(A)[dB]	w/o.H./w.H.										102/81	101/80	101/80	101/81	102/83	103/84	103/84	103/84
1000	$\dot{V}_1$	[m³/min]										68.4	86.5	93.8	106	114	122	138	142
	t_2	[°C]										130	124	123	121	120	118	117	116
	nG	[rpm]										990	1190	1270	1400	1488	1580	1760	1800
	nM	[rpm]										1485	1485	1485	1485	1490	1490	1490	1490
	Pk	[kW]										154	187	200	223	238	255	289	296
	P_{mot}	[kW]										200	250	250	250	315	315	355	355
	Motor size											315 M	315 L	315 L	315 L	315 L	315 L	355 M	355 M
	Lp(A)[dB]	w/o.H./w.H.										103/82	102/81	102/80	102/81	103/84	104/84	103/84	104/84

Lower differential pressures on request. Higher intake volume flows on request. Performance data are non-binding examples only.

Δp mbar	Blower size		GM 220 L / DN 400 *							GM 240 S / DN 400*							
300	$\dot{V}_1$	[m³/min]	**104**	**119**	**133**	**153**	**177**	**199**	**212,2**	**112**	**128**	**146**	**156**	**167**	**192**	**213**	**246**
	t_2	[°C]	49	49	49	48	48	47	48	49	49	48	48	48	47	47	47
	nG	[1/min]	930	1040	1150	1300	1480	1650	1750	730	820	920	980	1040	1180	1300	1485
	nM	[1/min]	1480	1480	1485	1485	1480	1480	1480	1480	1485	1485	1485	1485	1480	1485	1485
	Pk	[kW]	67,2	77,0	87,3	102	122	141	154	72,6	83,5	96,4	105	113	136	157	195
	P_{mot}	[kW]	75	90	110	132	160	160	200	90	110	110	132	132	160	200	250
	Motor size		280 S	280 M	315 S	315 M	315 M	315 M	315 M	280 M	315 S	315 S	315 M	315 M	315 M	315 M	315 L
	Lp(A)[dB]	w/o.H./w.H.	94/76	95/76	96/76	97/77	100/79	102/80	104/82	97/76	97/76	97/77	98/77	97/77	98/77	99/78	101/80
400	$\dot{V}_1$	[m³/min]	**102**	**116**	**130**	**150**	**175**	**196**	**209,5**	**109**	**125**	**143**	**153**	**164**	**189**	**210**	**244**
	t_2	[°C]	60	59	59	58	57	57	57	60	59	58	58	58	57	57	56
	nG	[1/min]	930	1040	1150	1300	1485	1650	1750	730	820	920	980	1040	1180	1300	1490
	nM	[1/min]	1485	1485	1485	1480	1485	1485	1750	1485	1485	1480	1480	1480	1485	1485	1490
	Pk	[kW]	87,6	99,8	112	131	155	178	192	94,2	108	124	134	144	171	196	241
	P_{mot}	[kW]	110	110	132	160	200	200	250	110	132	160	160	160	200	250	315
	Motor size		315 S	315 S	315 M	315 M	315 M	315 M	315 L	315 S	315 M	315 M	315 M	315 M	315 M	315 L	315 L
	Lp(A)[dB]	w/o.H./w.H.	95/76	95/77	96/77	98/78	100/80	102/81	105/83	98/77	98/77	98/78	98/78	98/78	98/78	99/79	103/81
500	$\dot{V}_1$	[m³/min]	**99,1**	**114**	**128**	**148**	**172**	**194**	**207**	**106**	**122**	**140**	**151**	**162**	**186**	**208**	**242**
	t_2	[°C]	72	70	69	68	68	67	67	71	70	69	68	68	67	67	66
	nG	[1/min]	930	1040	1150	1300	1485	1650	1750	730	820	920	980	1040	1180	1300	1490
	nM	[1/min]	1485	1480	1480	1485	1485	1485	1750	1485	1480	1485	1485	1485	1485	1490	1490
	Pk	[kW]	108	123	138	159	187	214	231	116	132	151	163	175	206	234	285
	P_{mot}	[kW]	132	160	160	200	250	250	315	132	160	200	200	200	250	315	315
	Motor size		315 M	315 M	315 M	315 M	315 L	315 L	315 L	315 M	315 M	315 M	315 M	315 M	315 L	315 L	315 L
	Lp(A)[dB]	w/o.H./w.H.	96/77	96/77	97/77	98/78	100/80	102/81	105/83	98/78	98/78	99/79	99/79	98/78	98/79	100/80	104/83
600	$\dot{V}_1$	[m³/min]	**96,8**	**111**	**126**	**146**	**170**	**192**	**205**	**104**	**120**	**138**	**149**	**159**	**184**	**206**	**239**
	t_2	[°C]	83	82	80	79	78	77	77	83	81	80	79	78	77	76	76
	nG	[1/min]	930	1040	1150	1300	1485	1650	1750	730	820	920	980	1040	1180	1300	1490
	nM	[1/min]	1480	1480	1485	1485	1485	1490	1490	1480	1485	1485	1485	1485	1490	1490	1490
	Pk	[kW]	128	145	163	188	220	250	269	137	156	178	192	206	241	273	329
	P_{mot}	[kW]	160	160	200	250	250	315	315	160	200	200	250	250	315	315	400
	Motor size		315 M	315 M	315 M	315 L	315 L	315 L	315 L	315 M	315 M	315 M	315 L	315 L	315 L	315 L	355 M
	Lp(A)[dB]	w/o.H./w.H.	97/77	97/78	97/77	98/78	100/80	102/81	106/84	99/79	99/79	100/80	100/80	100/80	101/80	102/81	105/84
700	$\dot{V}_1$	[m³/min]								**102**	**118**	**136**	**147**	**157**	**182**	**204**	**237**
	t_2	[°C]								94	92	90	90	89	87	87	85
	nG	[1/min]								730	820	920	980	1040	1180	1300	1490
	nM	[1/min]								1485	1485	1485	1485	1490	1490	1490	1490
	Pk	[kW]								159	181	205	221	237	276	311	373
	P_{mot}	[kW]								200	200	250	250	315	315	355	500
	Motor size									315 M	315 M	315 L	315 L	315 L	315 L	355 M	355 L
	Lp(A)[dB]	w/o.H./w.H.								100/80	101/80	101/81	102/81	102/81	103/82	104/83	106/85
800	$\dot{V}_1$	[m³/min]								**100**	**116**	**134**	**145**	**155**	**180**	**202**	**235**
	t_2	[°C]								107	104	102	101	100	98	97	95
	nG	[1/min]								730	820	920	980	1040	1180	1300	1490
	nM	[1/min]								1485	1485	1490	1490	1490	1490	1490	1490
	Pk	[kW]								181	205	233	250	268	311	350	417
	P_{mot}	[kW]								200	250	315	315	315	355	400	500
	Motor size									315 M	315 L	315 L	315 L	315 L	355 M	355 M	355 L
	Lp(A)[dB]	w/o.H./w.H.								100/81	102/81	103/83	103/83	104/83	105/84	106/85	107/86

* Implementation in Kompakt IV

Lower differential pressures on request. Higher intake volume flows on request. Performance data are non-binding examples only.

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AERZEN was founded in 1864 as Aerzener Maschinenfabrik. In 1868 we built Europe's first rotary lobe blower. The first turbo blowers followed in 1911, the first screw compressors in 1943, and in 2010 the world's first rotary lobe compressor unit. AERZEN innovations are a driving force behind the development of compressor technology. Today AERZEN is one of the world's oldest and most important manufacturers of rotary lobe blowers, rotary lobe compressors, rotary lobe gas meters, screw compressors, and turbo blowers. And in many areas of application, AERZEN is among the undisputed leaders.

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