SEAT VENTILATION SOLUTION

A NEW WIND
FOR A SAFE AND HEALTHY
VENTILATION SYSTEM

STORM Series

amca WORLDWIDE CERTIFIED RATINGS
SOUND AND AIR PERFORMANCE
AIR MOVEMENT AND CONTROL ASSOCIATION INTERNATIONAL, INC.®
www.amca.org

Anti-corrosion solutions
for industry and laboratories.

ANTI-CORROSION FANS
FOR VAPOURS, CORROSIVE GAS AND TOXIC EXTRACTIONS

SEAT Ventilation is the leader of anti-corrosion fans.

Our company responds to the challenges of its clients of all sizes and in all sectors, from big multinational companies to medium-sized companies or small installers, resellers, manufacturers of laboratory furniture or end users.

The success of our company is based on the daily implementation, in our actions and decisions of four fundamental values:

- **Technicality** — To support all our customers needs and requests with our team of engineers.
- **Reactivity** — To establish and maintain a close relationship with each of our customers, to excel in our quality of service and to respond quickly to requests.
- **Competitiveness** — To optimize and accelerate our processes by reducing costs, with manufacturing of French origin without ever losing sight of our customer's quality requirements.
- **Innovation** — To continuously improve our products and develop new ones to better serve the needs of our customers.

SOLUTION FOR **INDUSTRIES**

Wide variety of anti-corrosive fans perfectly suited for the extraction of corrosive or toxic fumes, gases and vapors.

SOLUTION FOR **LABORATORIES**

Complete air extraction control systems and regulatory solutions for laboratory fume cupboards to ensure user safety.

LEADER
in anti-corrosion fans

Export in
+ 80 COUNTRIES

50 YEARS
Business
EXPERTISE

ASS
& training

Made in
FRANCE

+ 500 CLIENTS
trust us

ENERGY
saving

TABLE OF CONTENT

STORM Series

Housing

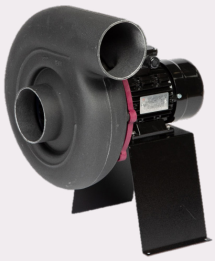
- Polypropylene casing
- High corrosion resistant
- From 25 to 1 800 M³/H
- From 50 to 3 000 Pa
- Single block without welded joint
- UV treated
- Rotatable in all discharge positions
- Motor flange made of polypropylene

Impellers

- Forward curved
- Made of polypropylene
- Cap hub made of polypropylene
- Electronically and dynamically balanced

Mounting supports

STORM fans can be provided in different configurations

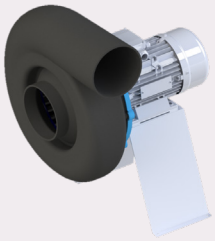


Epoxy coated metal stand

Weather hood

Explosion resistant

All the STORM fans are available in Explosion resistant version. Our fans are compliant with all international standards: ATEX (EN60079) and European Directives (99/92/EC and 94/9/EC).



EXPLOSION RESISTANT MARKING

ATEX : Ex II 3G Ex c GROUP IIC T4

AMCA Certified

SEAT Ventilation certifies that the STORM Series shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program."

Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Maximum fan input power over the range catalogued, or fan input power at the stated duty, or maximum motor input watts, voltage and frequency over the range catalogued, or motor input watts, voltage, and frequency at the state duty. – Rating Methods D.

The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA standard 301. Values shown are for inlet Lwi and LwiA sound power levels for installation Type D: Ducted inlet, Ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Sound pressure levels are not licensed by AMCA international.

STORM Series

Table of references

Single-phase series

	Motor RPMs	Power (kW)	Voltage (V)	Intensity (A)	Weight (kg)	Part number
STORM 10	1200	0,06	230	0,31	2,75	61102010RE
	1450	0,09	230	0,84	4,17	61102010
	2870	0,12	230	0,95	3,8	61103010
STORM 12	1450	0,18	230	1,4	7,84	61122010
	2870	0,37	230	2,52	7,54	61123010
STORM 14	2870	1,1	230	6,52	13,73	61143010

Three-phase series

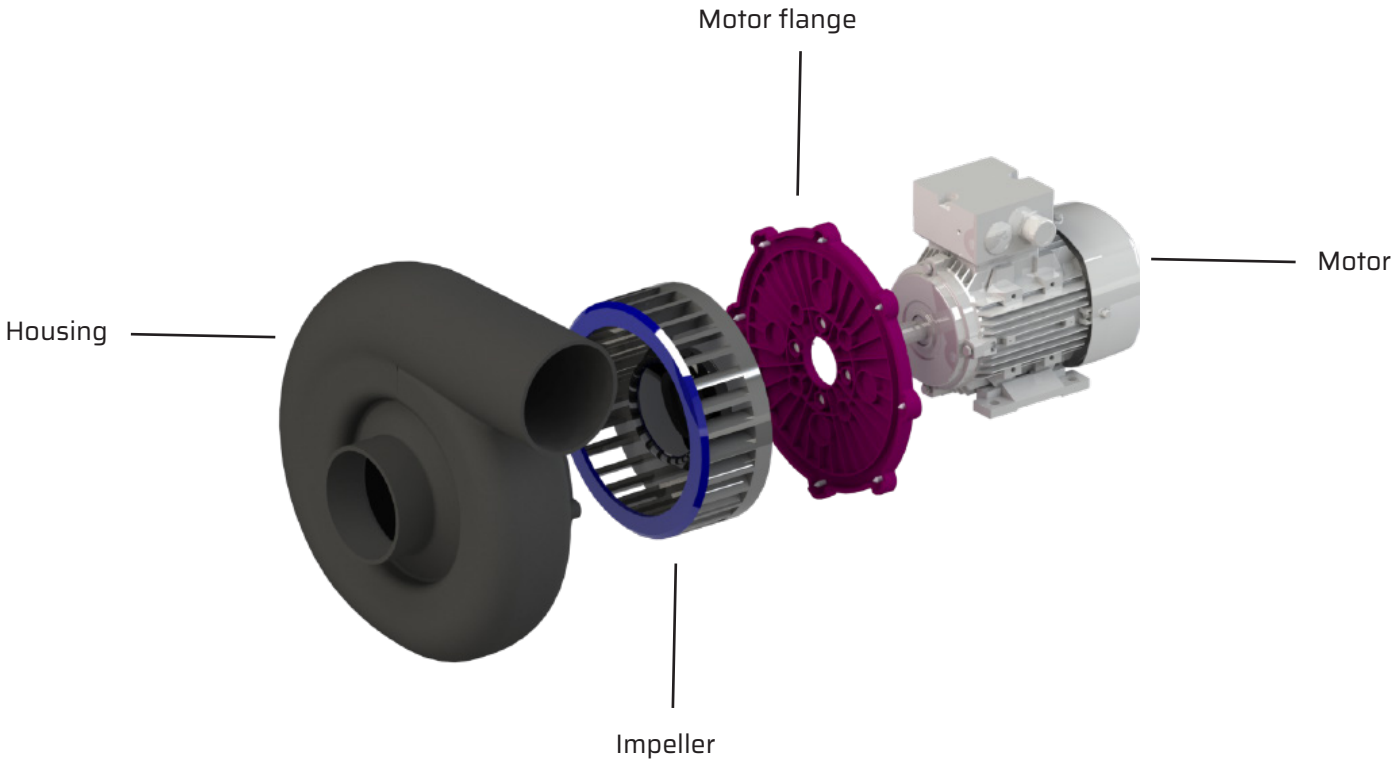
Asynchronous series

	Motor RPMs	Power (kW)	Voltage (V)	Intensity (A)	Weight (kg)	Part number
STORM 10	1450	0,09	230/400	0,79/0,45	4,17	61102000
	2870	0,12	230/400	0,63/0,36	4,17	61103000
STORM 12	1450	0,18	230/400	1,09/0,63	7,5	61122000
	2870	0,37	230/400	1,64/0,94	7,54	61123000
STORM 14	2870	1,1	230/400	4,02/2,31	13,3	61143000
STORM 16	2870	2,2	230/400	7,56/4,35	23,2	61163000

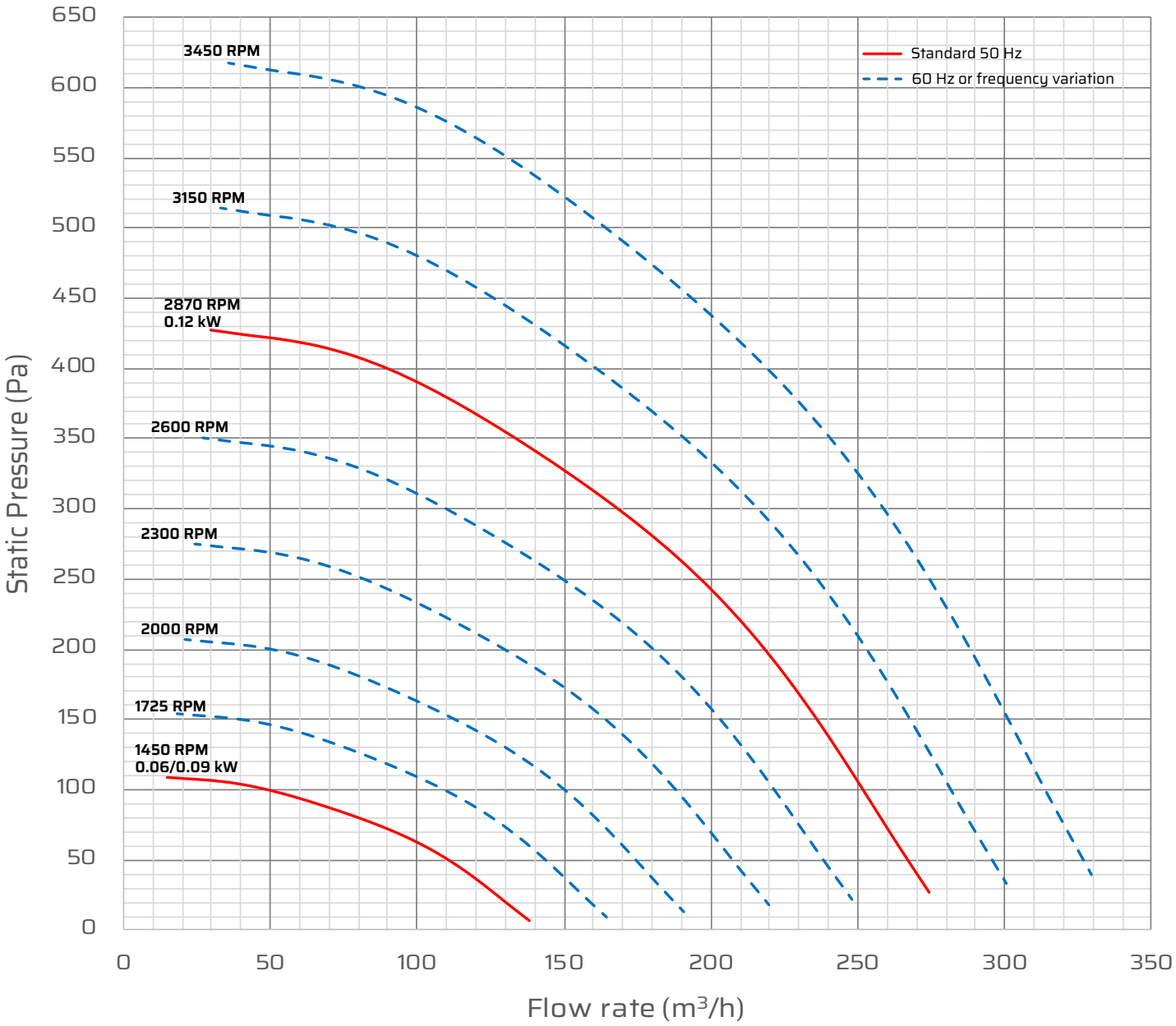
Explosion Resistant series

	Motor RPMs	Power (kW)	Voltage (V)	Intensity (A)	Weight (kg)	Part number
STORM 10	1450	0,06	230/400	0,59/0,34	6	61102003
	2870	0,09	230/400	0,69/0,4	6,2	61103003
STORM 12	1450	0,18	230/400	1,13/0,65	12	61122003
	2870	0,37	230/400	2,1/1,2	9,75	61123003
STORM 14	2870	1,1	230/400	4,5/2,6	13,2	61143003
STORM 16	2870	2,2	230/400	8,7/5	20,2	61163003

Exploded view



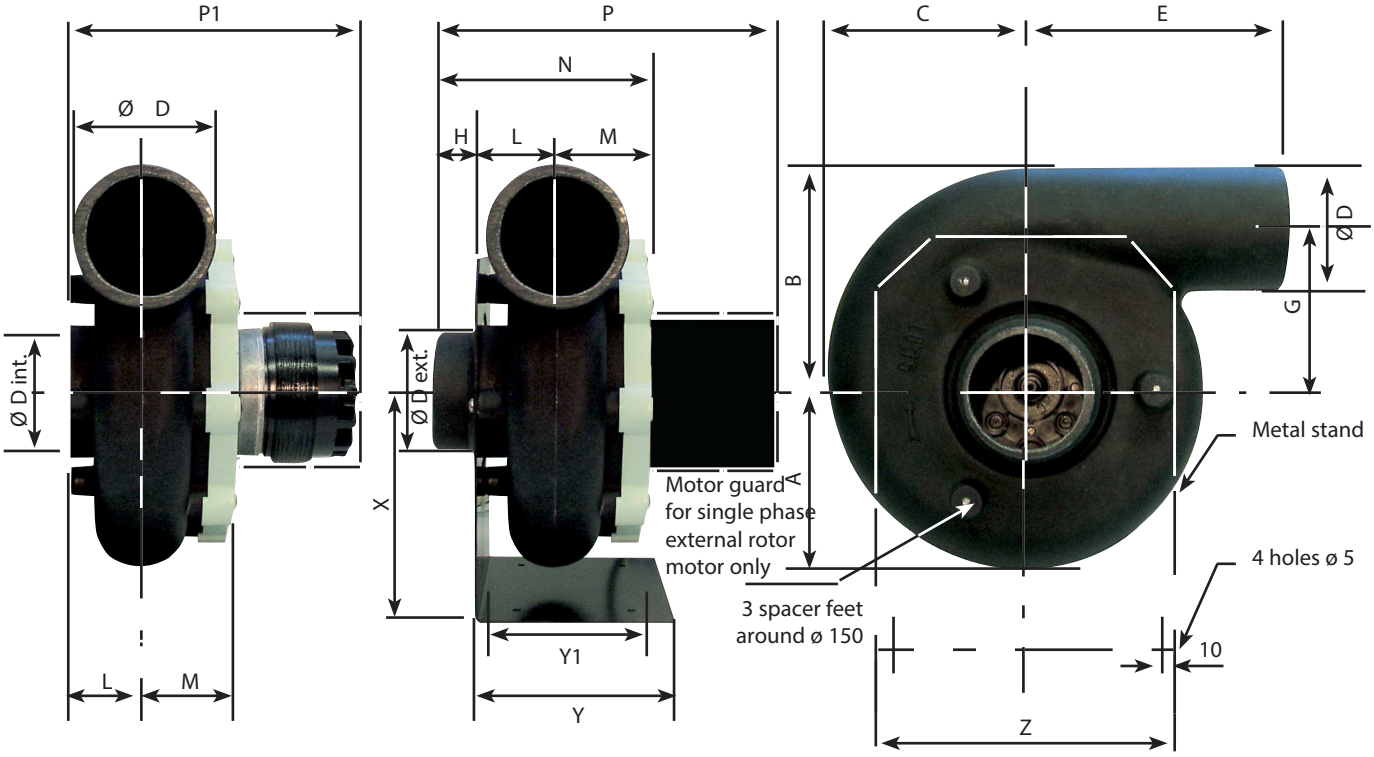
STORM 10



Inlet sound

	Q_v	SP	LwA	LpA *	Octave band (Hz)							
RPM	(m^3/h)	(Pa)	dB(A)	dB(A)	63	125	250	500	1000	2000	4000	8000
1450	80	79	67	46	82	79	72	61	59	47	40	34
2870	157	308	81	61	97	94	86	76	74	62	55	49

* Acoustic pressure Lp at 3 meters - Outlet acoustic data available on request



LG POSITION ONLY

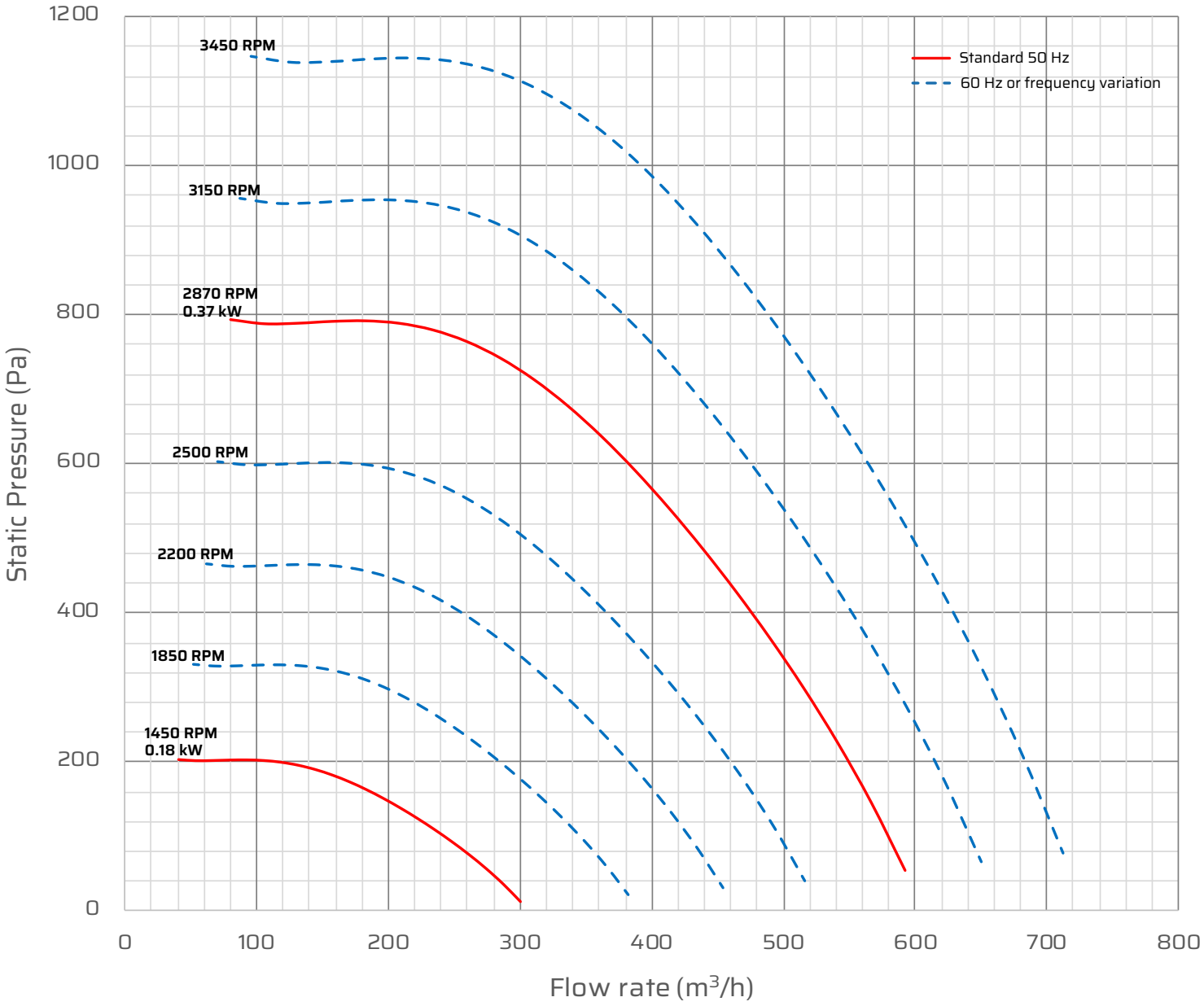
Available in ATEX version

Dimensional data (mm) Metal stand is optional - Motor size may vary upon model													
A	B	C	Ø D	E	G	H	L	M	N	Y	Y_1	Z	X
115	135	127	75	158	97	32	48	57	137	120	100	165	135

Discharge positions - View from inlet side

LG 0 LG 45 LG 90 LG 135 LG 180 LG 225 LG 270 LG 315

STORM 12

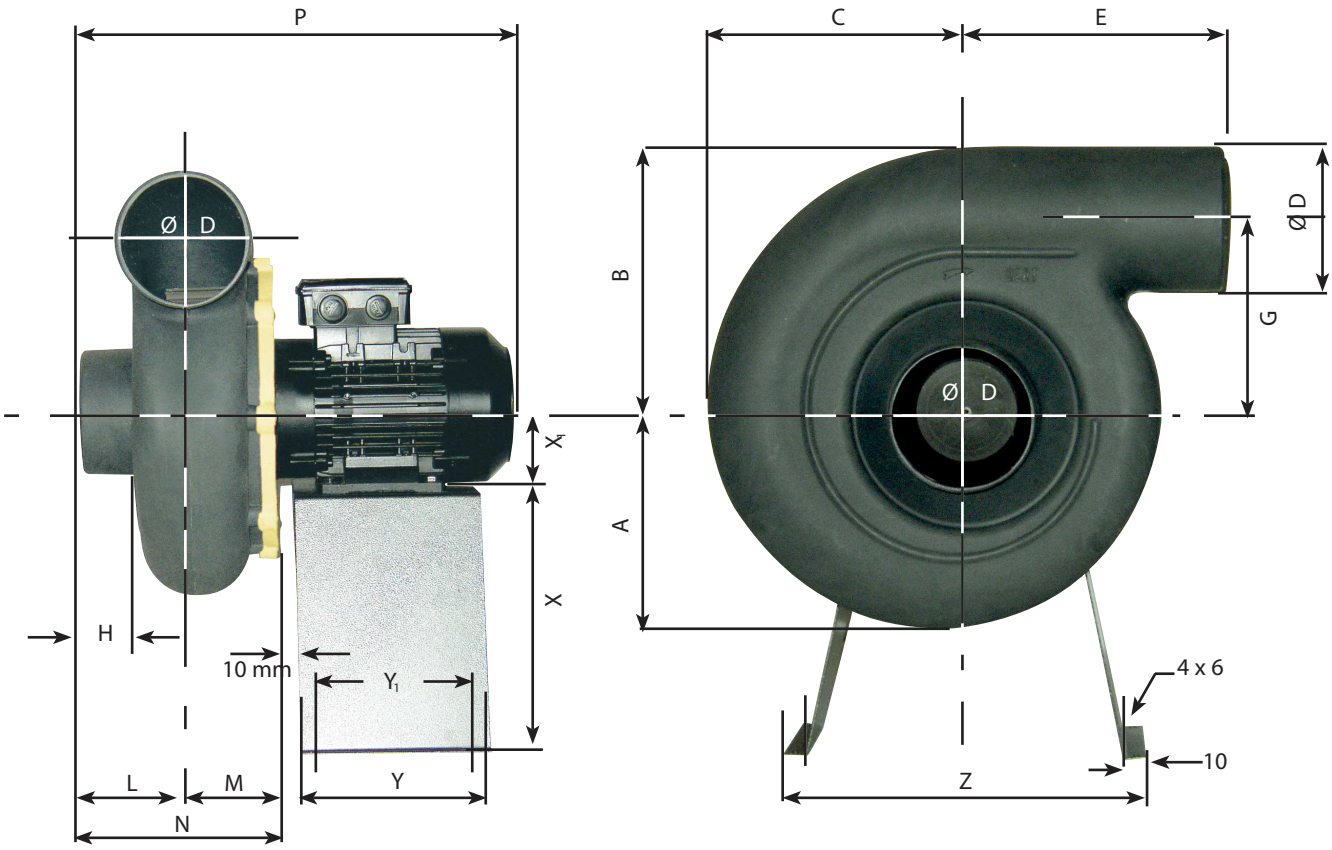


Inlet sound

	Q_v	SP	LwA	LpA *	Octave band (Hz)							
RPM	(m^3/h)	(Pa)	dB(A)	dB(A)	63	125	250	500	1000	2000	4000	8000
1450	175	167	71	51	86	80	69	69	68	57	50	43
2870	346	652	86	65	101	95	84	83	83	72	65	58

* Acoustic pressure Lp at 3 meters - Outlet acoustic data available on request

STORM 12

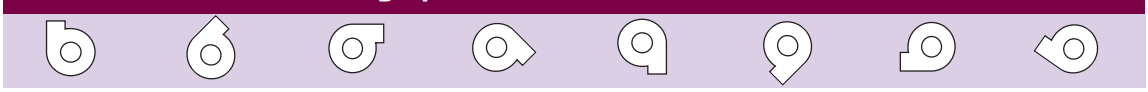


LG POSITION ONLY

Available in ATEX version Ex

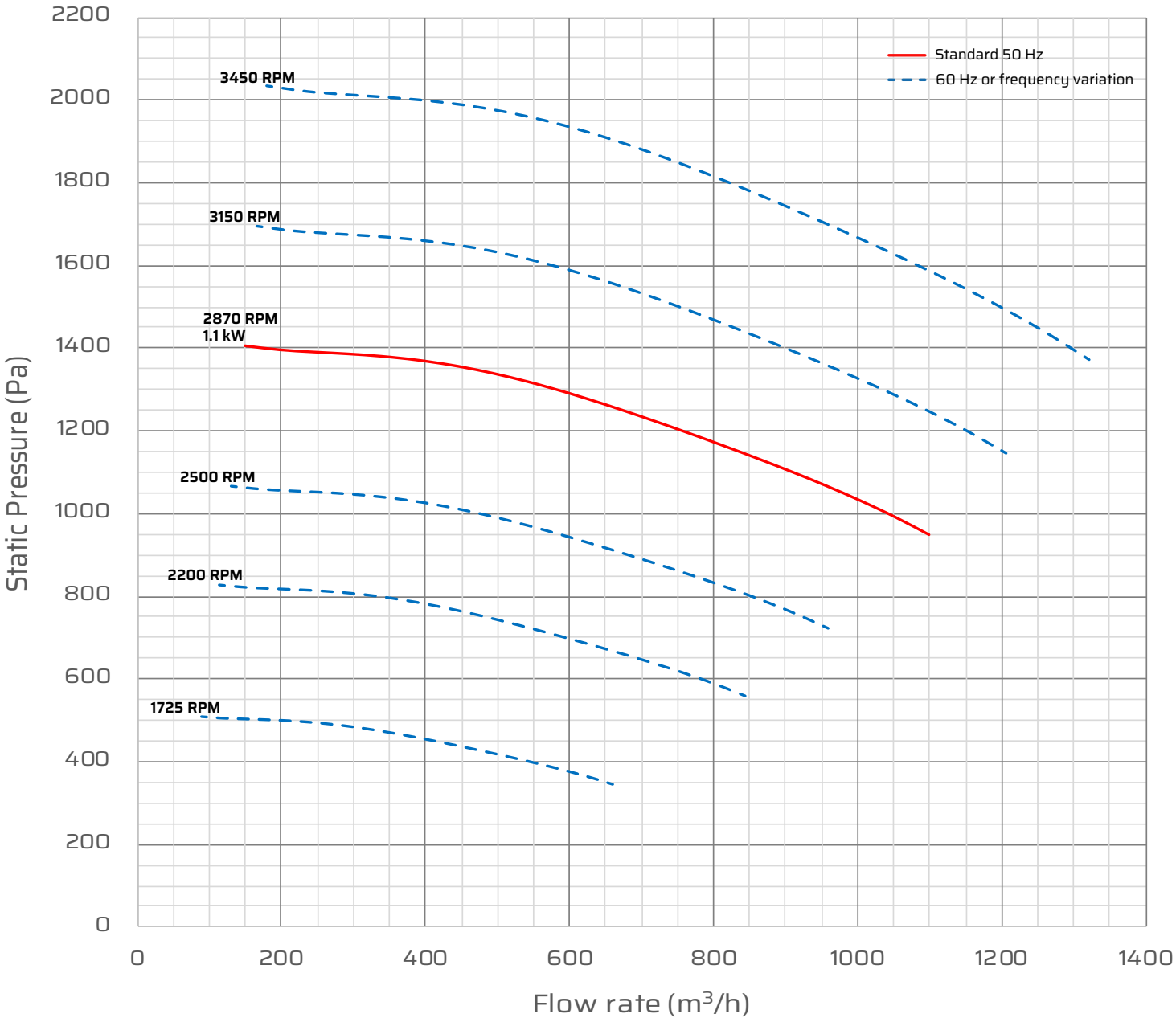
Dimensional data (mm) Metal stand is optional - Motor size may vary upon model															
A	B	C	Ø D	E	G	H	L	M	N	P	Y	Y_1	Z	X	X_1
145	175	163	90	212	130	45	80	72	152	350	180	160	340	240	71

Discharge positions - View from inlet side



LG 0 LG 45 LG 90 LG 135 LG 180 LG 225 LG 270 LG 315

STORM 14

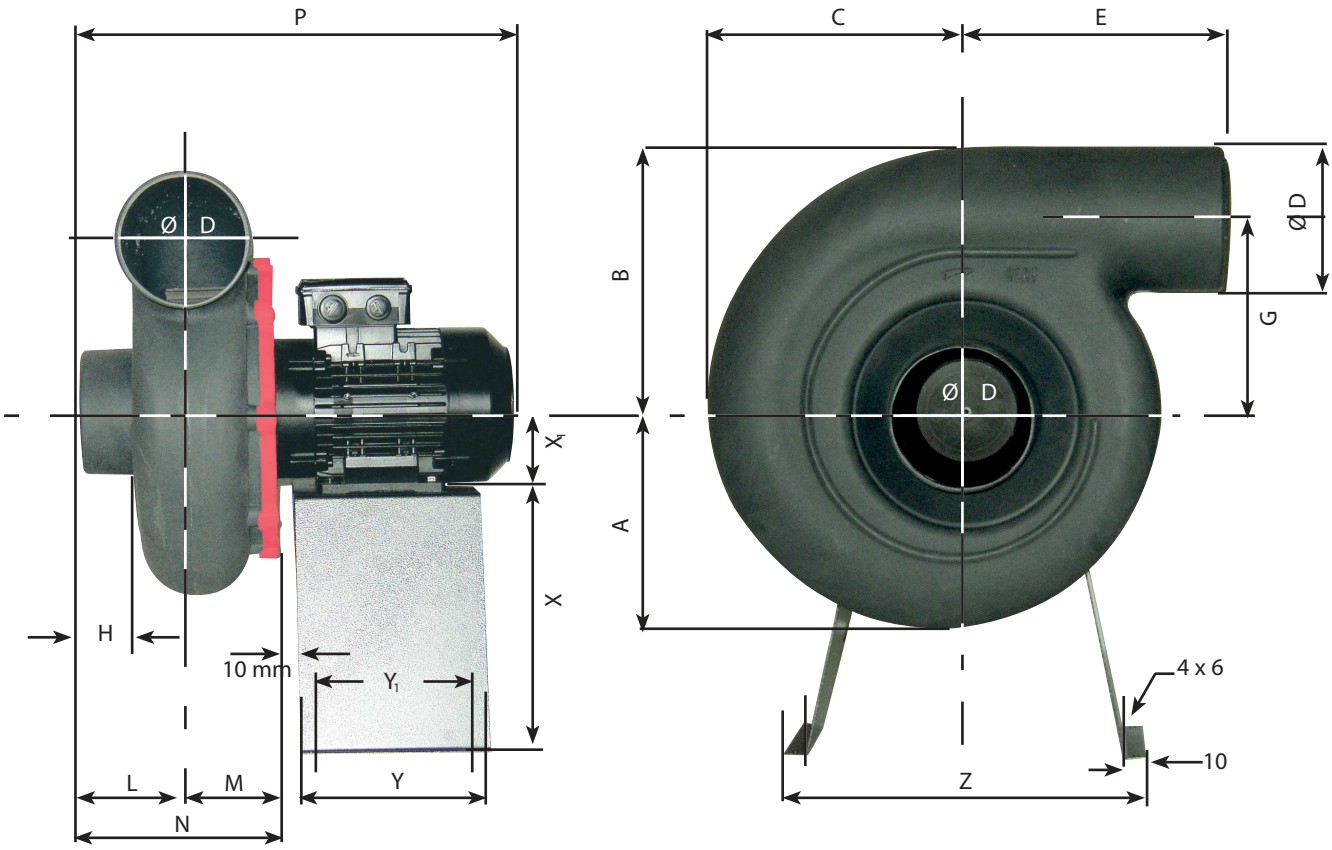


Inlet sound

	Q_v	SP	LwA	LpA	Octave band (Hz)							
RPM	(m^3/h)	(Pa)	dB(A)	dB(A)	63	125	250	500	1000	2000	4000	8000
1725	468	418	79	59	93	84	83	76	73	66	68	56
2870	780	1155	90	70	104	95	94	87	84	77	79	67

* Acoustic pressure Lp at 3 meters - Outlet acoustic data available on request

STORM 14



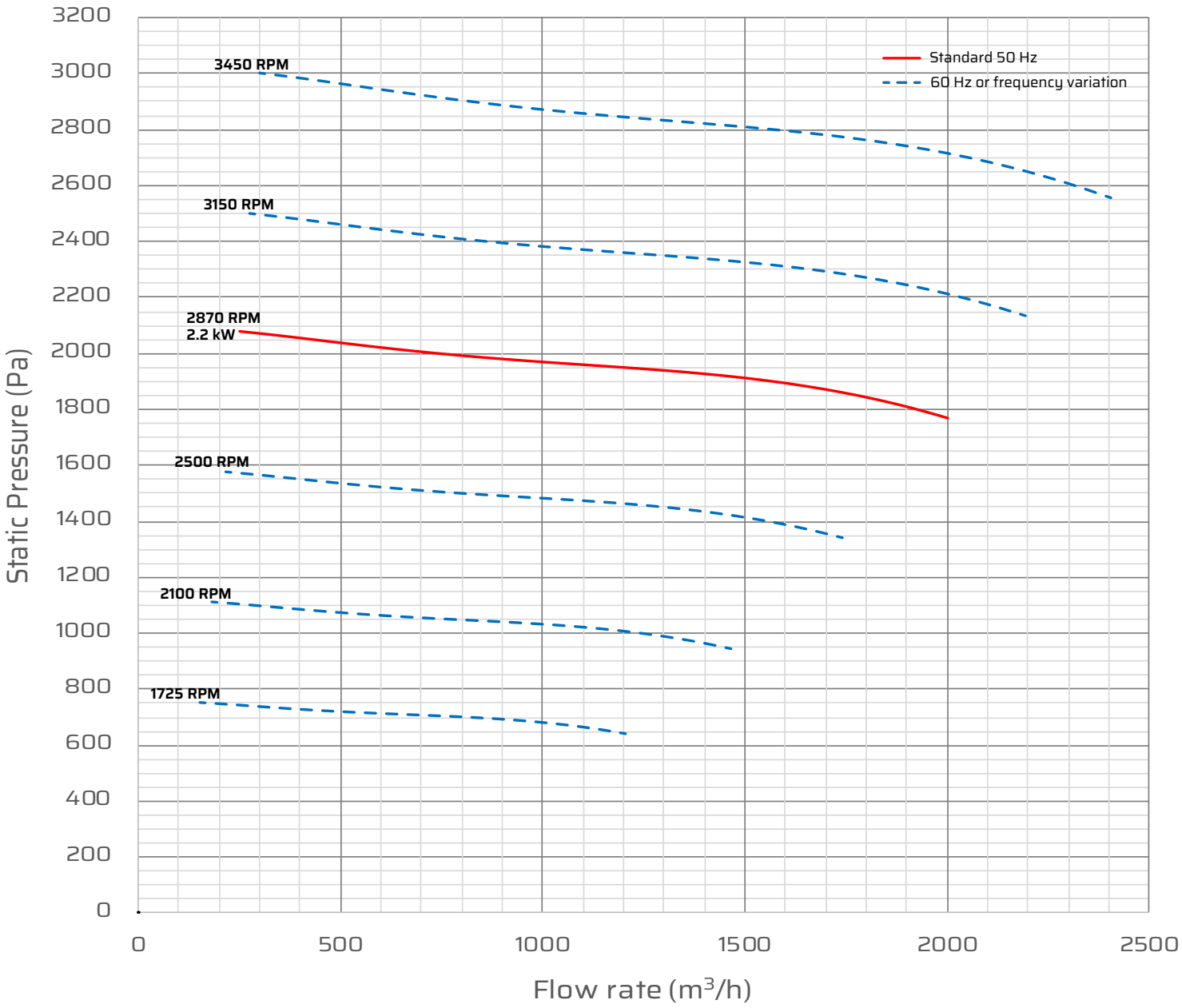
LG POSITION ONLY

Available in ATEX version Ex

Dimensional data (mm) Metal stand is optional - Motor size may vary upon model															
A	B	C	Ø D	E	G	H	L	M	N	P	Y	Y_1	Z	X	X_1
188	232	227	125	218	170	55	110	83	193	433	180	160	340	240	80

Discharge positions - View from inlet side							
							
LG 0	LG 45	LG 90	LG 135	LG 180	LG 225	LG 270	LG 315

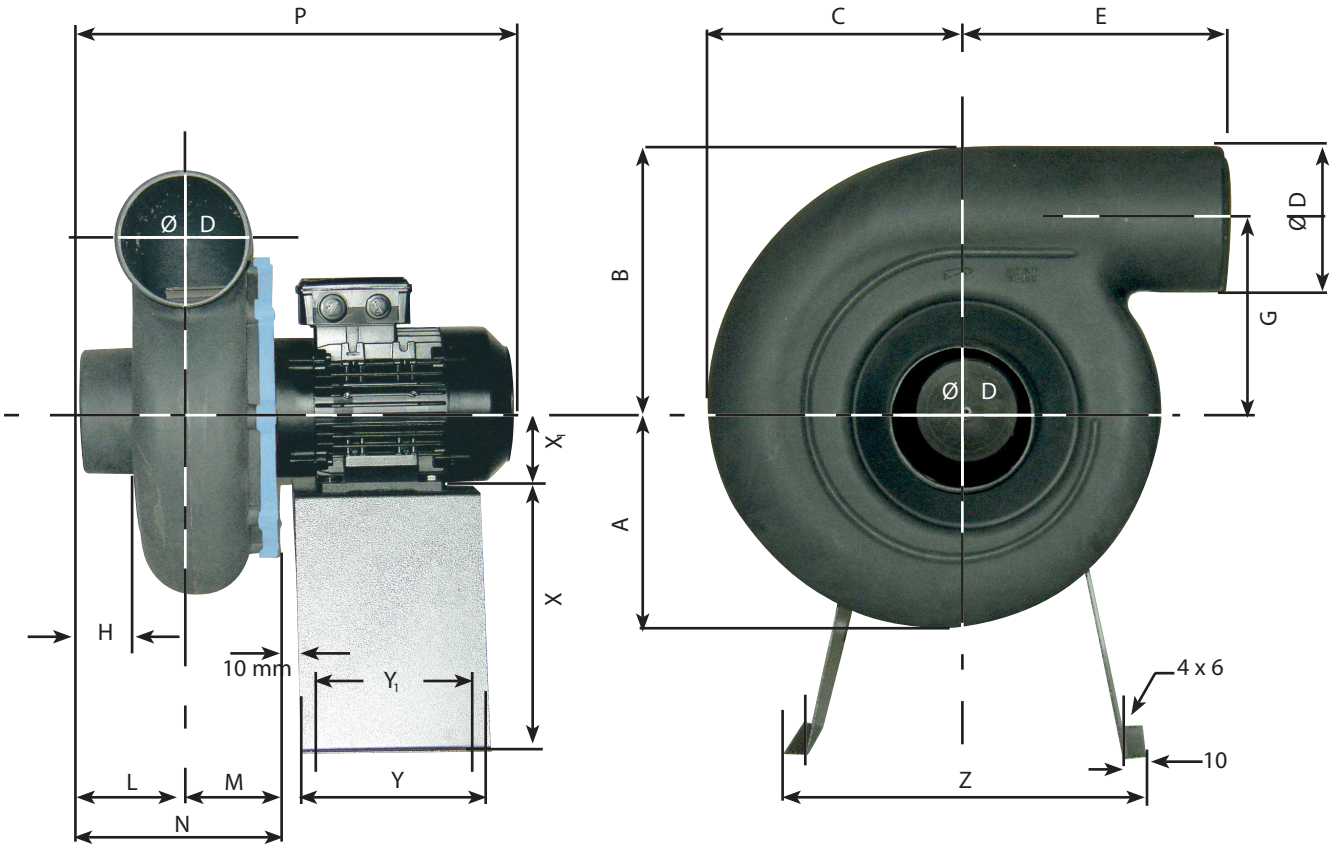
STORM 16



Inlet sound

	Q_v	SP	LwA	LpA *	Octave band (Hz)							
RPM	(m^3/h)	(Pa)	dB(A)	dB(A)	63	125	250	500	1000	2000	4000	8000
1725	514	711	82	62	95	86	83	78	76	73	69	66
2870	855	1970	93	73	106	97	94	89	87	84	80	77

* Acoustic pressure Lp at 3 meters - Outlet acoustic data available on request



LG POSITION ONLY

Available in ATEX version

Dimensional data (mm) Metal stand is optional - Motor size may vary upon model															
A	B	C	Ø D	E	G	H	L	M	N	P	Y	Y_1	Z	X	X_1
235	288	278	160	262	205	40	100	97	197	477	240	160	420	300	90

Discharge positions - View from inlet side

LG 0 LG 45 LG 90 LG 135 LG 180 LG 225 LG 270 LG 315

A WORLDWIDE PRESENCE

Distributes in more than **80 COUNTRIES**

3 SITES

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