SEAT
VENTILATION

Control and monitoring of laboratory ventilation
Corrosion resistant ventilation systems

Corrosion resistant polypropylene fans

Durability

Single piece high density polypropylene molded casing, more durable.

Corrosion resistance

All parts made of UV treated chemical resistant polypropylene (PP).

Ease of installation

Compact design & low carrying weight, round standard inlet/outlet, no need for transitions.

Cost effectiveness

Lasts much longer than metal fans with coatings.

Airflow monitors & controllers

- **EN 14175 & RoHS compliant**
- **Accurate**
- **Easy to use and install**
- **Short response time**

www.seat-ventilation.com
info@seat-ventilation.com

Summary

SEAT Series
Pages 6 to 17

SEAT Kit roof unit
Pages 18 & 19

JET Series
Pages 20 to 27

STORM Series
Pages 28 to 37

Accessories
Pages 38 & 39

Controllers and Inverters
Pages 40 & 41

History

1968 : Creation of SEAT by Mr. Bernard Chapel, father of current CEO. The family owned business is located in Montfermeil, a close suburb of Paris. The company specialises in the field of plastic boiler making including plastic fans, fume hoods etc.

1986 : SEAT starts venturing out of France and makes its export debut on the Belgian market.

1988 : Launch of the new and existing range of PP centrifugal called "SEAT Series". The unique and colourful design is quickly a hit on domestic and foreign markets.

1995 : SEAT adds the "JET Series" inline fans to its range of PP fans.

1996 : Creation of "Seplast", subsidiary of SEAT in the Czech Republic.

1997 : The "SEAT Control" airflow monitor for fume cupboard is born. This equipment quickly becomes the monitor and control of choice of French laboratory furniture makers and installers.
Creation of "Thermoseat", subsiduary of SEAT in Hungary

1998 : Introduction of "STORM" Series fans for application requiring higher pressure.

1999 : Creation of "Plastec" the US subsidiary of SEAT covering the Americas. Originally located in the Philadelphia area, it has since then been moved to Bradenton, Florida.

2005 : SEAT is relocating offices and factory in Verniolle, located an hour South of Toulouse nearby the Pyrenees Mountains. The brand new factory and offices are built from the ground up to accomodate fast growth on domestic and international markets.

www.seat-ventilation.com
info@seat-ventilation.com

About us

Our expertise

With over 35 years of experience in the field of laboratory fume extraction systems, SEAT Ventilation SA has become one of the few leading manufacturers of corrosion-resistant polypropylene fans.

Our products

- Corrosion-resistant polypropylene **fans and blowers**.
- **Airflow monitors** and controls for laboratory fume cupboards.

Areas of application

- Laboratories
- Chemical industry
- Water treatment plants
- Hospitals
- Electroplating
- College and universities

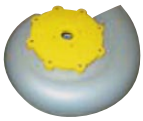
Our values

- **Competence:** you can count on our team of ventilation specialists to help you select the most adapted equipment for your needs and budget.
- **Customer care:** we are committed to respond to your enquiries within 48 hours thanks to our dedicated multilingual staff. Orders, unless exceptionally large ones, are usually processed within a week.
- **Competitiveness:** we invest a very substantial amount of our annual revenues into new tooling to offer you the highest quality at the most competitive price.
- **Innovation:** our products are well known for their unique design and features. We strive to improve our existing range as well as putting new equipment on the market that truly fits the global market needs.

SEAT Series

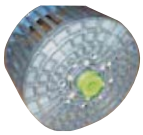
Specifications

Housings: PP



Single block strong high density UV treated and recyclable polypropylene (PPH) with no welded joint. Reversible and rotable to any the 8 standard discharge positions by 45° increments. All fan mounting hardware in stainless steel.

Wheels: PP



Forward curved centrifugal type impeller made, of injection molded PPH. Fan wheel supplied with hub cap constructed of PPH. Wheels electronically and dynamically balanced to ISO 1940.

Motors

Direct drive, asynchronous, single or three phase, IP55. Single speed: three phase 230/400 V-50/60Hz, single phase 230V-50Hz. Explosion proof motors available on request. Motor is outside the airstream. Three phase motors speed adjustable by variable frequency inverter drive.

Motor Support

Several options: no stand, metal stand constructed of epoxy coated sheet metal(1), polypropylene motor pedestal(2) or roof unit kit(3).

ATEX

SEAT Series Fans are also available in ATEX Zone II, known outside Europe as explosion proof, category 3 G execution in accordance with ATEX directive 94/9/CE. ATEX declaration of conformity available on our web site www.seat-ventilation.com. The performances curves of explosion proof fans are identical with the ones of the standard version.

Temperature resistance

PPH casing and wheel recommended up to 80°C.

Performance

Fan performance based on tests conducted in accordance with AMCA 210-85 and ISO 5801.

Warranty

SEAT VENTILATION warrants its equipment to be free from defects in workmanship and material under normal use and service for two years after shipment. Warranty is void if damage results from improper wiring or installation.

Electrical data and weight*

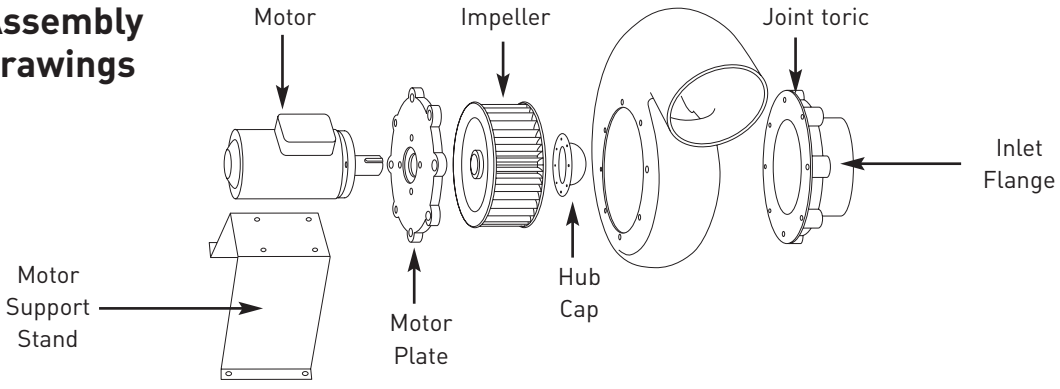
	RPM (T/min)	(kW)	(V)	AMP draw (A)	Weight (Kgs)
Single phase					
SEAT 15	1500	0,25	230	2,5	8,00
	3000	0,37	230	3,1	8,50
SEAT 20	1500	0,25	230	2,5	8,70
	3000	0,75	230	5,4	14,40
SEAT 25	1500	0,37	230	3,1	12,10
SEAT 30	1500	1,50	230	9,7	22,60

Three Phase					
SEAT 15	1000	0,18	230/400	1,5/0,85	6,00
	1500	0,25	230/400	1,3/0,75	11,30
	3000	0,37	230/400	1,7/1,00	10,20
SEAT 20	1000	0,18	230/400	1,5/0,85	9,70
	1500	0,25	230/400	1,3/0,75	12,00
	3000	0,75	230/400	3,2/1,9	13,20
	3000	1,10	230/400	4,7/2,7	15,70
SEAT 25	1000	0,18	230/400	1,5/0,85	11,10
	1000	0,55	230/400	3/1,8	19,50
	1500	0,37	230/400	2,1/1,2	12,10
	3000	1,50	230/400	5,9/3,4	19,90
	3000	2,20	230/400	8,8/5,1	20,90
	3000	3,00	230/400	10/3,6	25,70
SEAT 30	1500	1,10	230/400	6,4/3,7	27,15
SEAT 35	1000	2,20	230/400	9,6/5,5	46,00
	1500	5,50	230/400	20,8/11,9	50,00
	1500	4,00	230/400	14,8/8,5	50,00

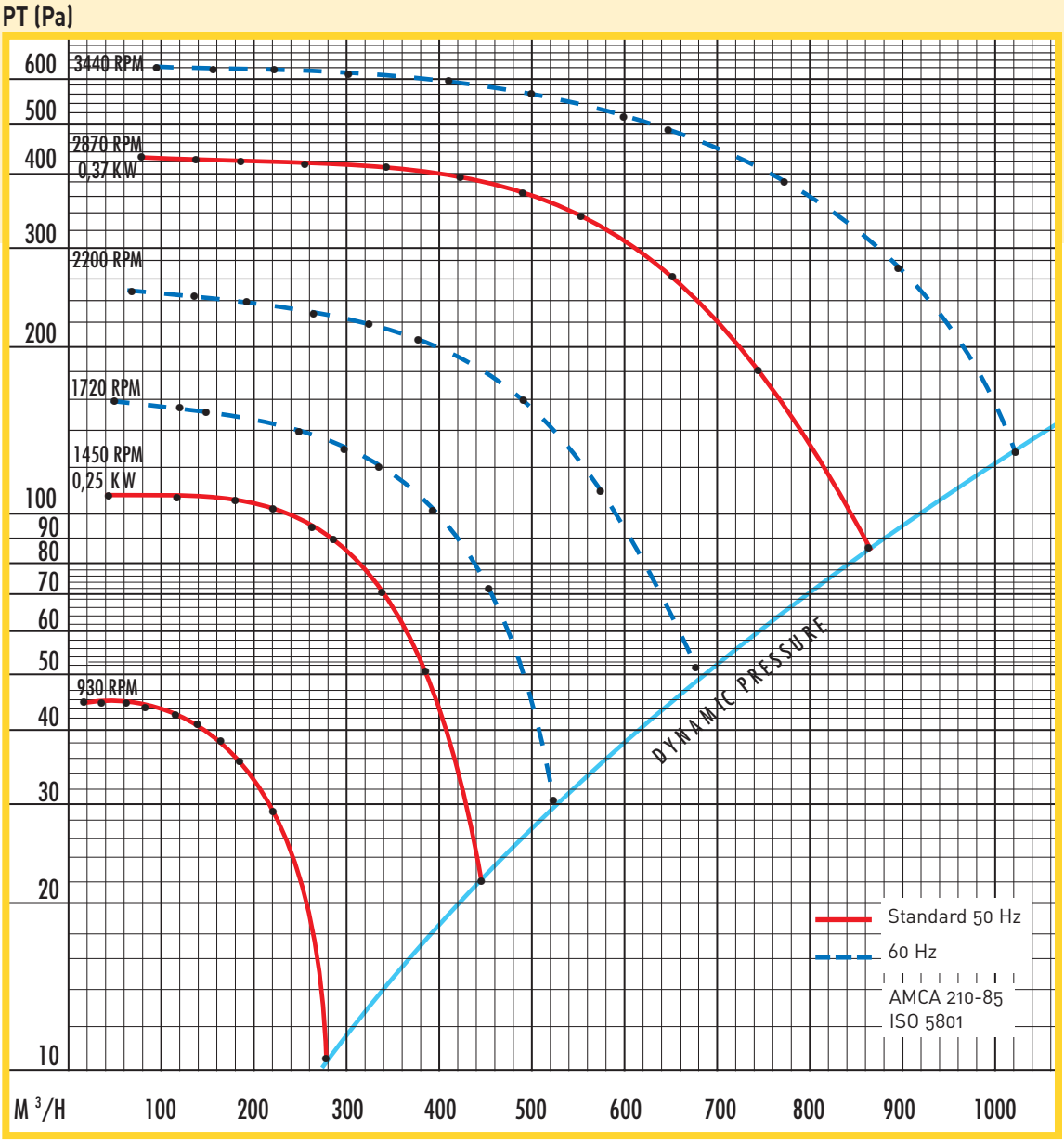
ATEX					
SEAT 15 ATEX	1500	0,18	230/400	0,97/0,56	11,30
	3000	0,37	230/400	1,64/0,95	10,20
SEAT 20 ATEX	1500	0,18	230/400	0,97/0,56	9,70
	3000	0,75	230/400	3,3/1,9	13,20
SEAT 25 ATEX	1500	0,37	230/400	1,7/1,1	12,10
	3000	2,20	230/400	8/4,6	36,00
SEAT 30 ATEX	1500	1,10	230/400	4,4/2,55	27,15
SEAT 35 ATEX	1000	2,20	230/400	10/5,7	46,00
	1500	5,50	230/400	19,2/11	50,00

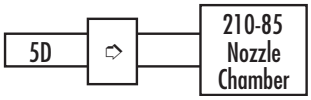
*Tabulated current values are approximate and depend on make and model of the motor.

Assembly drawings

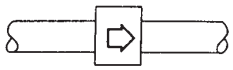


SEAT 15





Type B
Ducted outlet



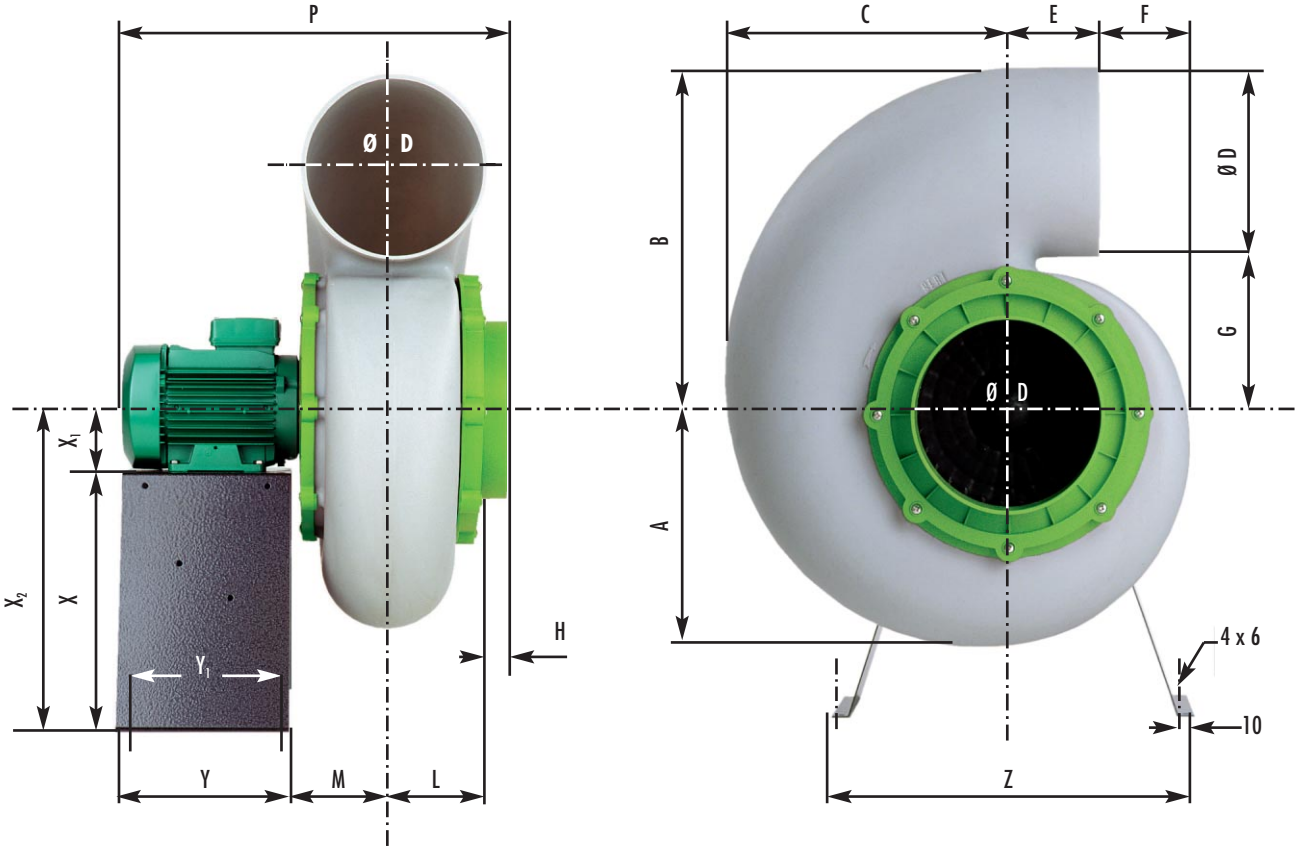
Type D
Ducted inlet/Ducted outlet
Casing noise

n (T/min) R.P.M.	dB (A)		dB	
1450	52	54	57	59
2870	70	71	72	74

n (T/min) R.P.M.	dB (A)
1435	49
2870	63

Noise ratings in accordance with ISO 9614/1. Visit our website for details.

www.seat-ventilation.com
info@seat-ventilation.com



RD POSITION **LG POSITION**

Dimensional data (mm) - Metal stand does not come standard with fan (see accessories pricing).																
A	B	C	Ø D	E	F	G	H	L	M	P	Y	Y_1	Z	X	X_1	X_2
170	240	203	125	100	32	115	30	70	80	360	180	160	340	240	71	311

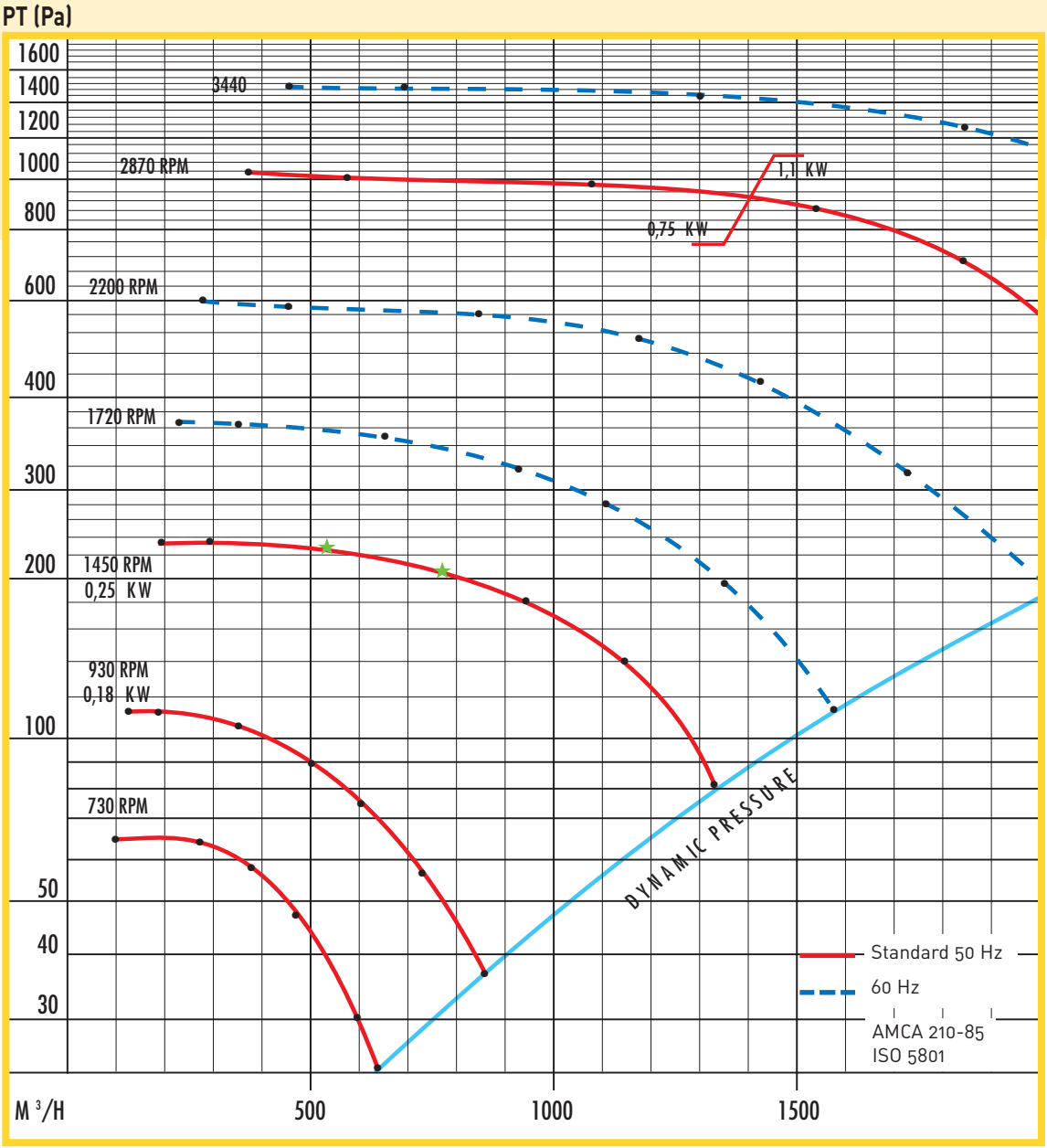
WARNING : for an enclosed pedestal mounting, X2 = 370 mm.

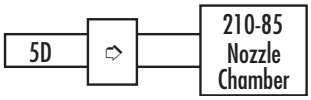
Handings are viewed from inlet side - 45 degree adjustable

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

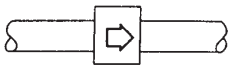
RD 0 **RD 45** **RD 90** **RD 135** **RD 180** **RD 225** **RD 270** **RD 315**

SEAT 20





Type B
Ducted outlet



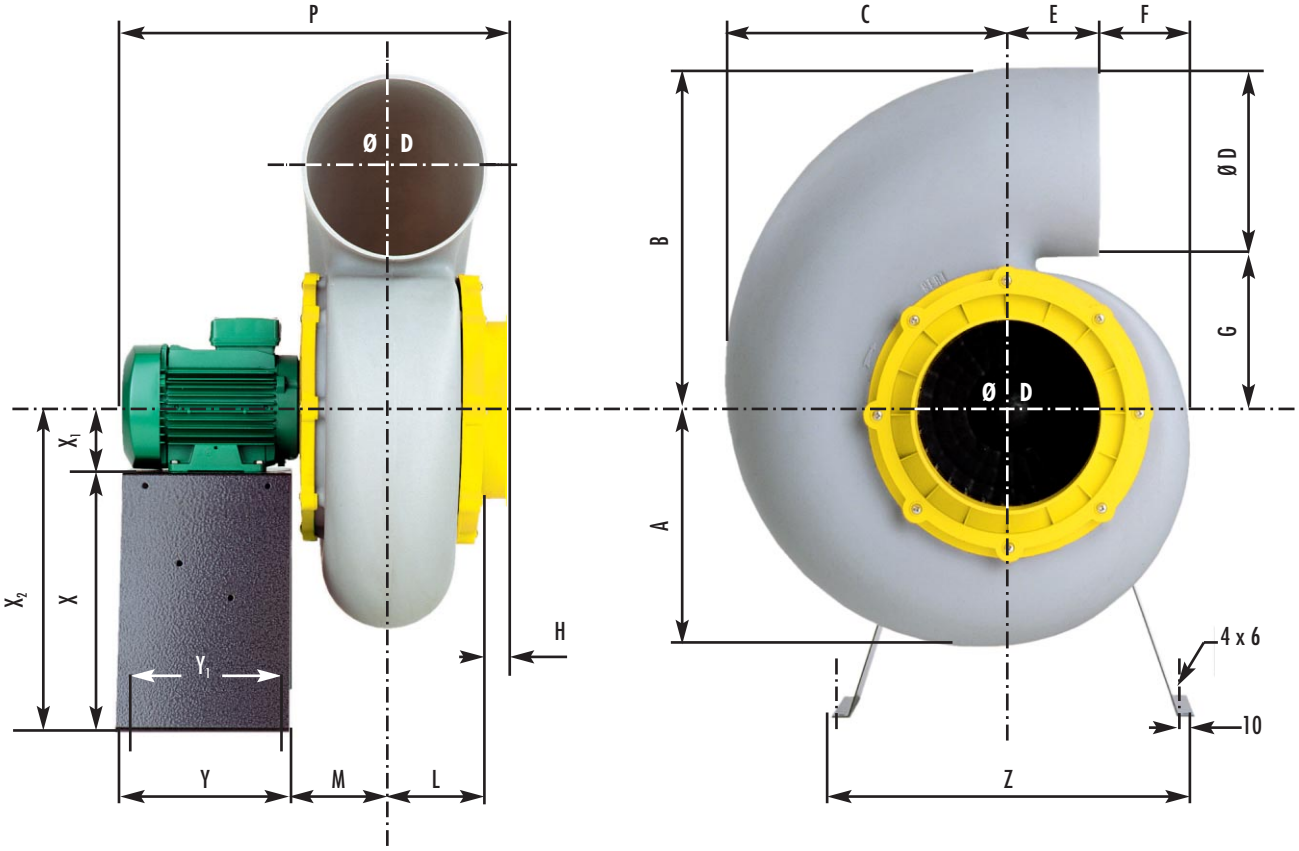
Type D
Ducted inlet/Ducted outlet
Casing noise

n (T/min) R.P.M.	dB(A)		dB	
950	53	54	61	62
★ 1450	65	66	70	71
2870	83	84	85	86

n (T/min) R.P.M.	dB (A)	
950	41	42
1435	51	52
2870	66	67

Noise ratings in accordance with ISO 9614/1. Visit our website for details.

www.seat-ventilation.com
info@seat-ventilation.com



Dimensional data (mm) - Metal stand does not come standard with fan (see accessories pricing).																
A	B	C	Ø D	E	F	G	H	L	M	P	Y	Y_1	Z	X	X_1	X_2
208	303	240	160	100	57	143	32	84	94	390	180	160	340	240	71	311

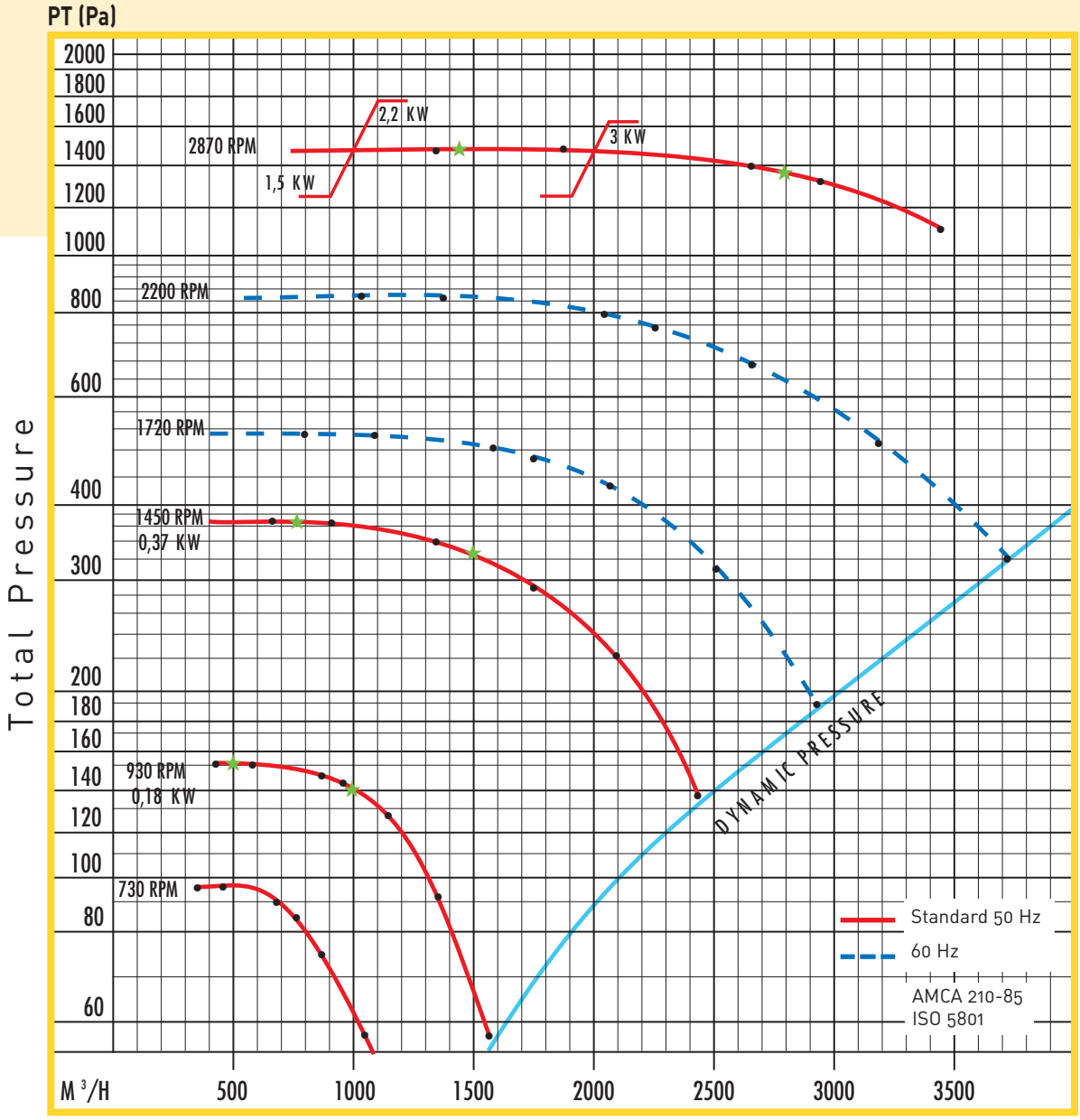
WARNING : for an enclosed pedestal mounting, X2 = 370 mm.

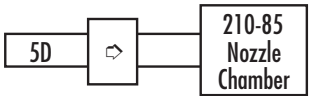
Handings are viewed from inlet side - 45 degree adjustable

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

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

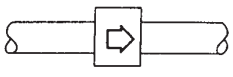
SEAT 25





Type B
Ducted outlet

n (T/min) / R.P.M.	dB(A)		dB	
950	61	62	67	68
★ 1450	73	74	76	78
2870	87	88	89	89

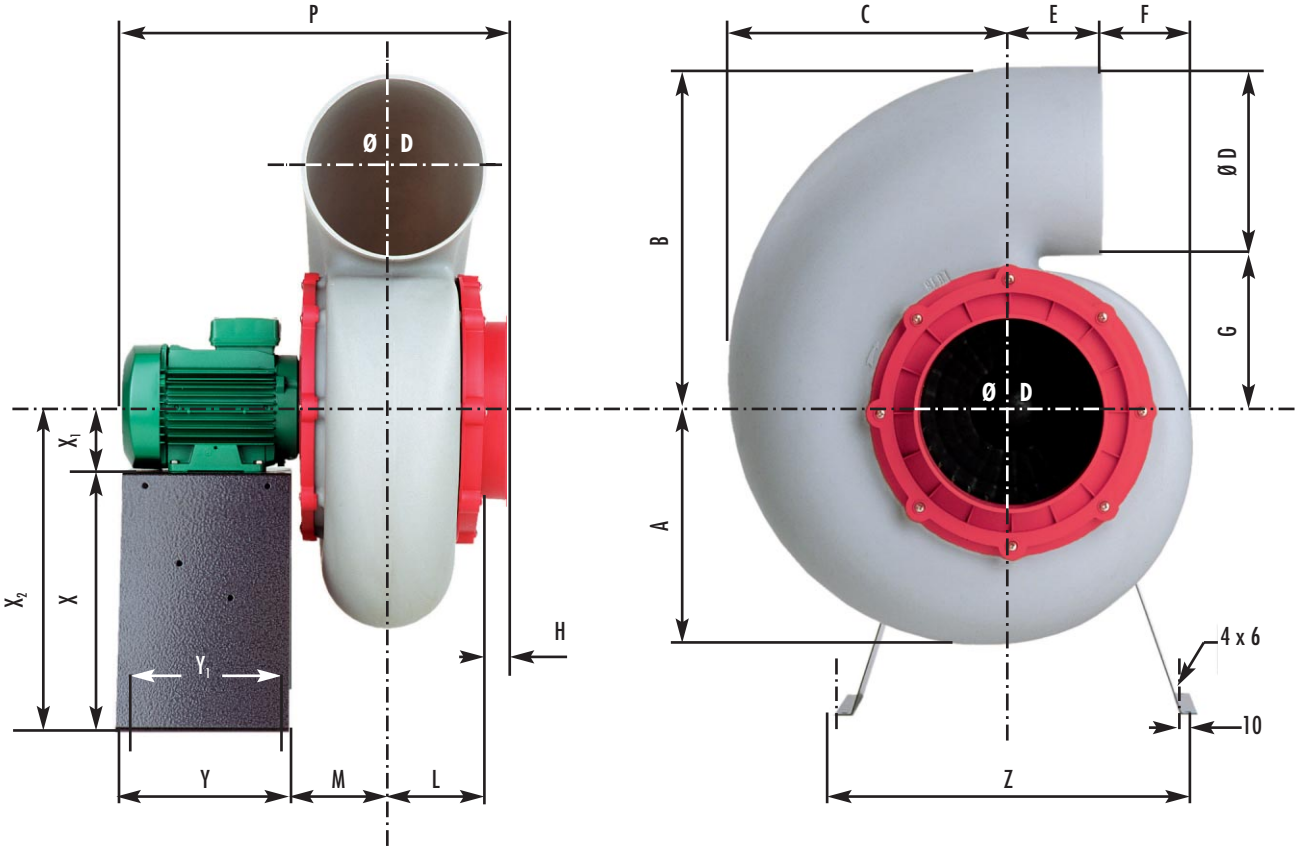


Type D
Ducted inlet/Ducted outlet
Casing noise

n (T/min) R.P.M.	dB (A)
950	43
1435	53
2870	68

Noise ratings in accordance with ISO 9614/1. Visit our website for details.

www.seat-ventilation.com
info@seat-ventilation.com



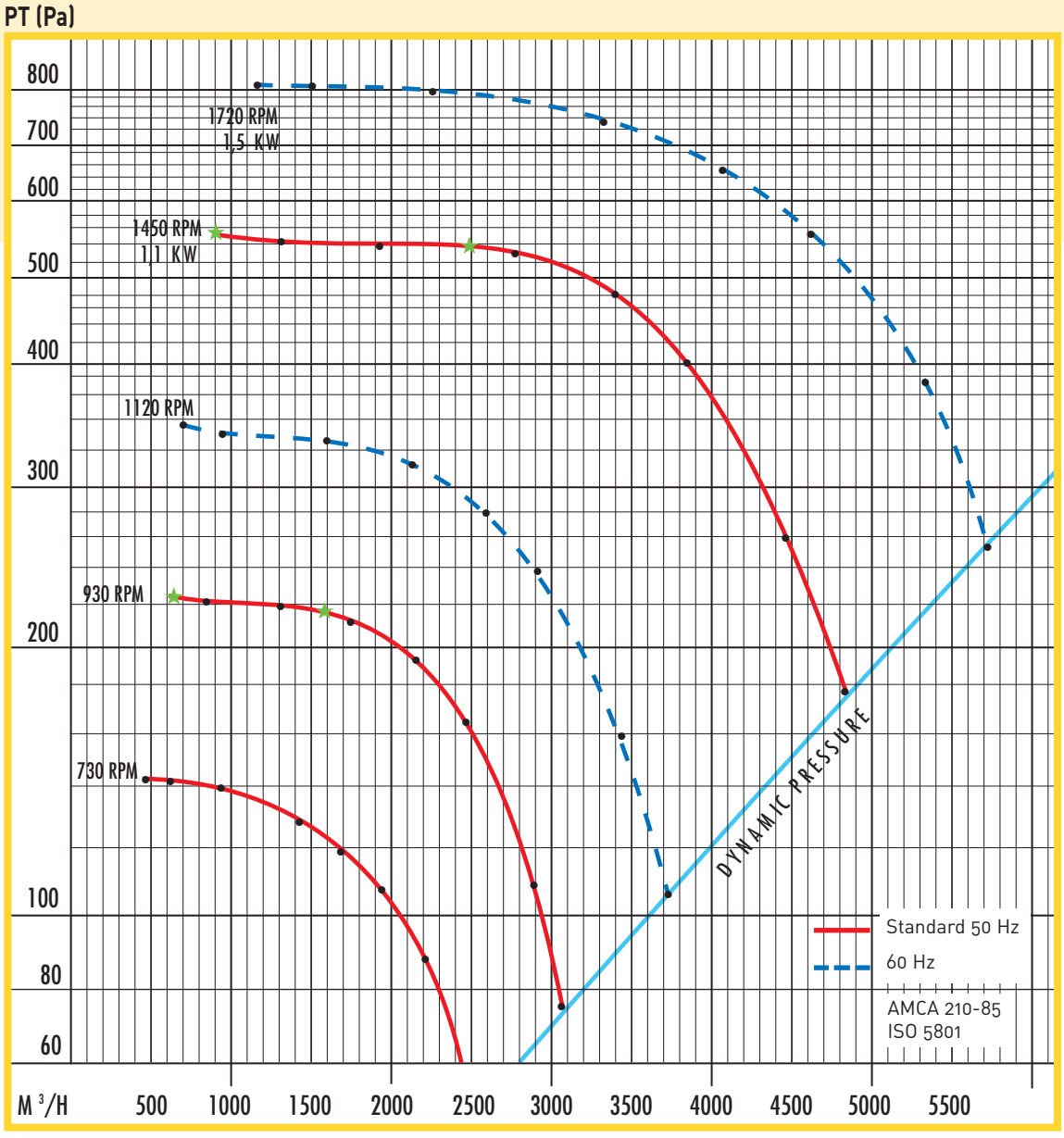
Dimensional data (mm) - Metal stand does not come standard with fan (see accessories pricing). The motor frame size may vary upon type of motor used.																	
RPM	A	B	C	Ø D	E	F	G	H	L	M	P	Y	Y_1	Z	X	X_1	X_2
930 / 1450	248	365	310	200	103	92	165	35	95	105	430	180	160	420	300	71	371
2870	248	365	310	200	103	92	165	35	95	105	515	180	160	420	300	90	390

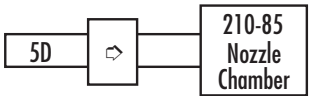
Handings are viewed from inlet side - 45 degree adjustable

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

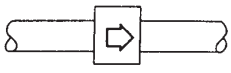
RD 0 | RD 45 | RD 90 | RD 135 | RD 180 | RD 225 | RD 270 | RD 315

SEAT 30





Type B
Ducted outlet



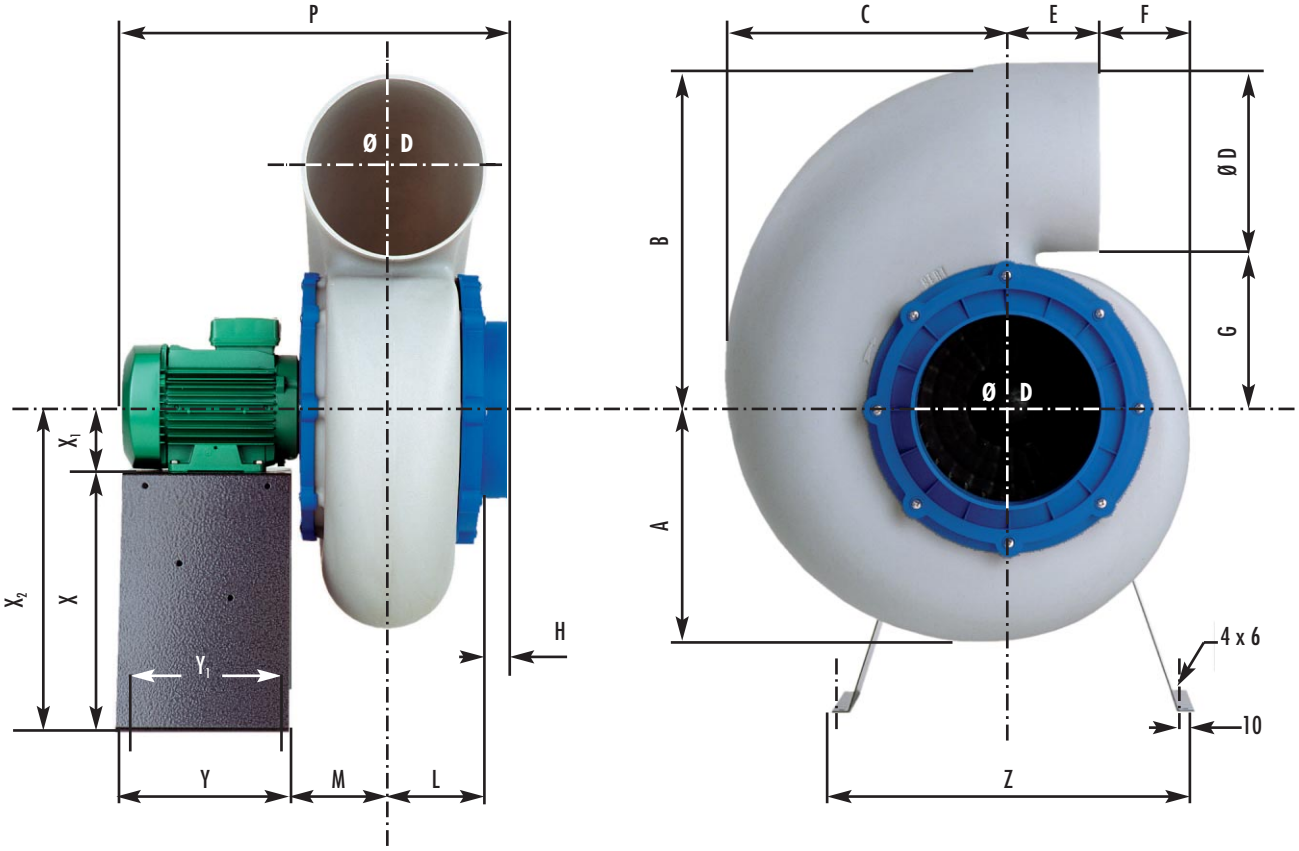
Type D
Ducted inlet/Ducted outlet
Casing noise

n (T/min) R.P.M.	dB(A)		dB	
715	59	61	67	68
950	66	68	73	74
★ 1450	78	78	82	83

n (T/min) R.P.M.	dB (A)
715	40
950	46
1435	63

Noise ratings in accordance with ISO 9614/1. Visit our website for details.

www.seat-ventilation.com
info@seat-ventilation.com



RD POSITION

LG POSITION

Dimensional data (mm) - Metal stand does not come standard with fan (see accessories pricing). The motor frame size may vary upon type of motor used.																	
RPM	A	B	C	Ø D	E	F	G	H	L	M	P	Y	Y_1	Z	X	X_1	X_2
930	300	450	373	250	117	112	198	35	110	120	510	240	220	460	370	80	450
1450	300	450	373	250	117	112	198	35	110	120	540	240	220	460	370	90	460

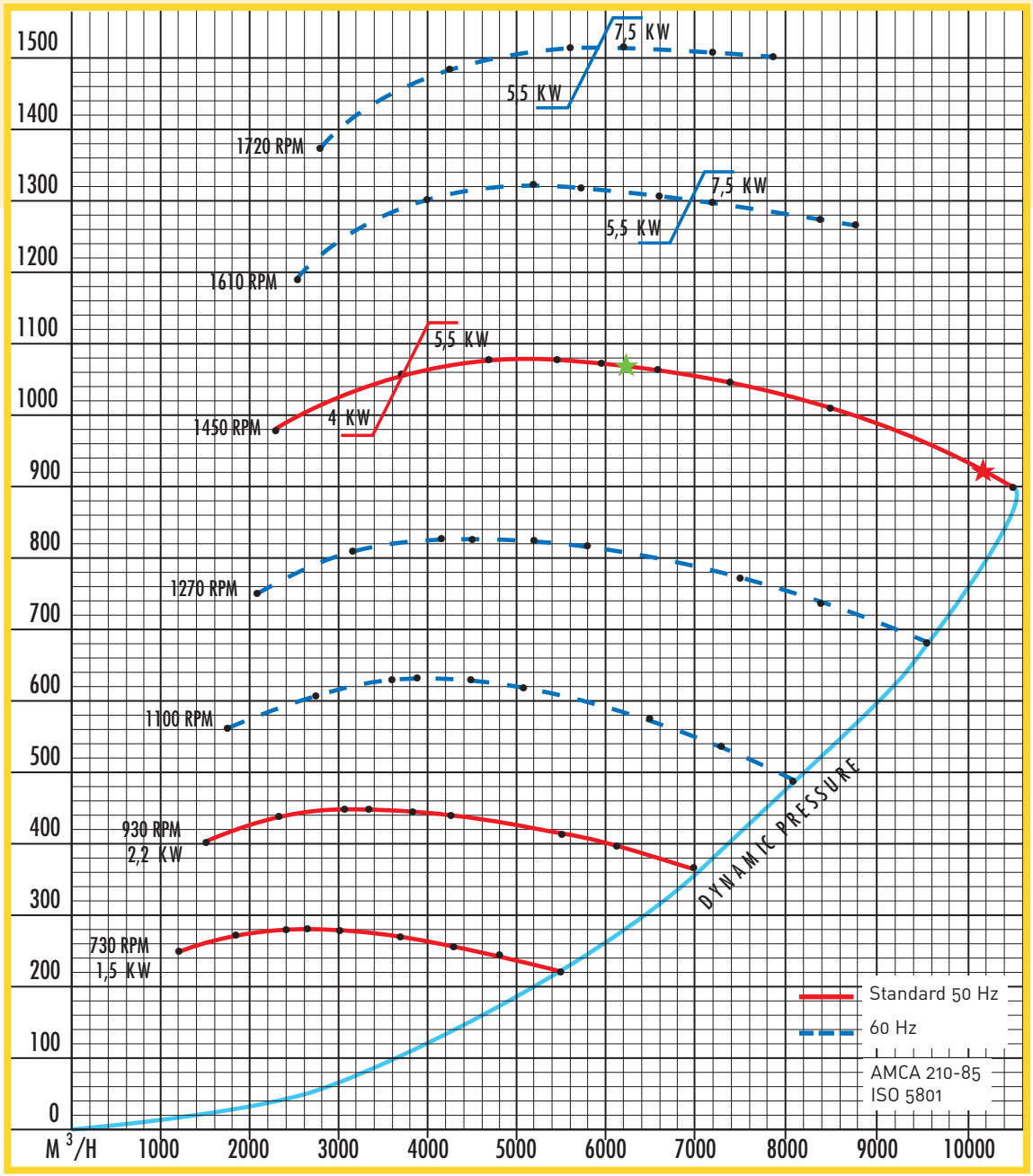
Handings are viewed from inlet side - 45 degree adjustable

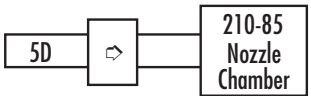
LG 0 | LG 45 | LG 90 | LG 135 | LG 180 | LG 225 | LG 270 | LG 315

RD 0 | RD 45 | RD 90 | RD 135 | RD 180 | RD 225 | RD 270 | RD 315

SEAT 35

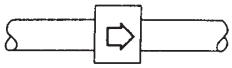
SEAT Series





Type B
Ducted outlet

n (T/min) R.P.M.	★ dB(A)	★	dB lin	
730	67,8	78,2	76,1	83
950	74,1	84,4	82,2	89,4
1450	86	95,1	94,2	99,7
1720	90,7	100,4	98,1	104,4

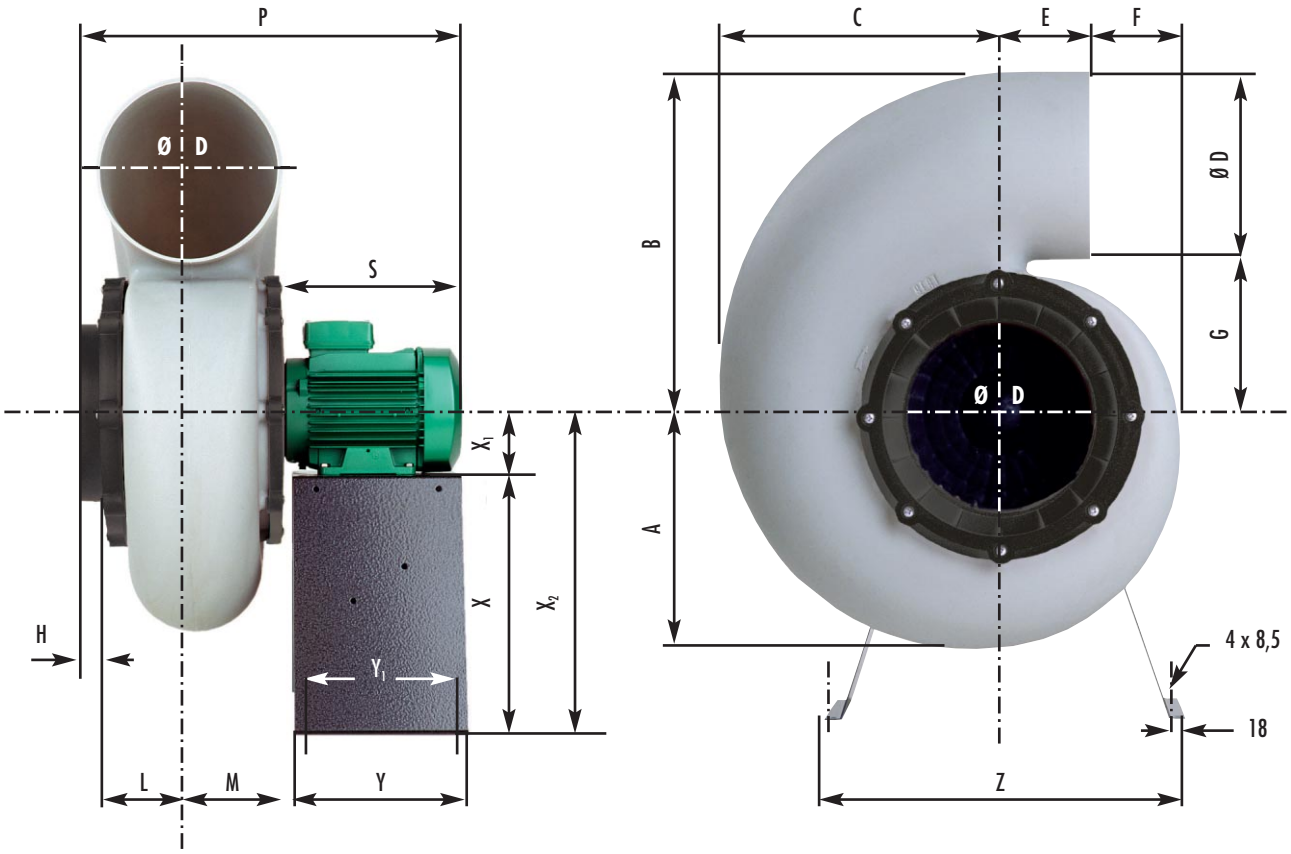


Ducted inlet/Ducted outlet
Casing noise

n (T/min) R.P.M.	dB (A)	dB lin
1435	77,3	82,4

Noise ratings in accordance with ISO 9614/1.
Visit our website for details.

www.seat-ventilation.com
info@seat-ventilation.com



ONLY LG POSITION

Dimensional data (mm) - Metal stand does not come standard with fan (see accessories pricing). The motor frame size may vary upon type of motor used.																		
RPM	A	B	C	Ø D	E	F	G	H	L	M	P	S	Y	Y_1	Z	X	X_1	X_2
930	370	570	450	315	130	170	255	60	150	170	724	334	350	314	600	468	112	580
1450	370	570	450	315	130	170	255	60	150	170	792	402	350	314	600	468	112	580
1450 ATEX or 7,5 kW	370	570	450	315	130	170	255	60	150	170	822	432	350	314	600	468	132	600

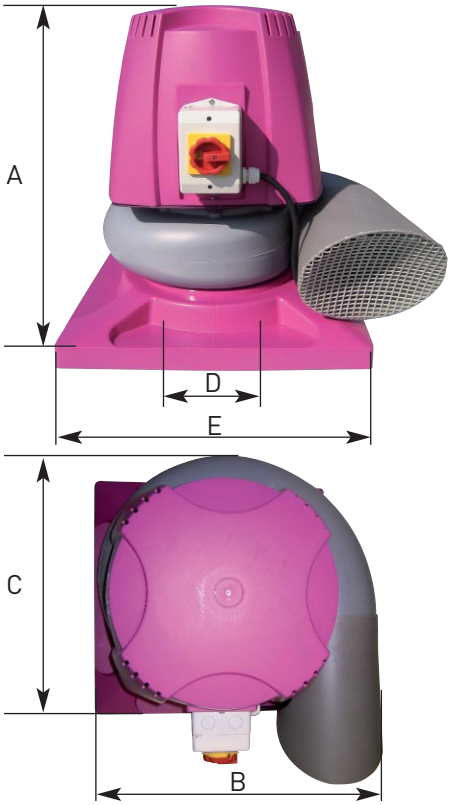
Handings are viewed from inlet inside – 45 degree adjustable

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

Roof mounted SEAT Series

Specifications

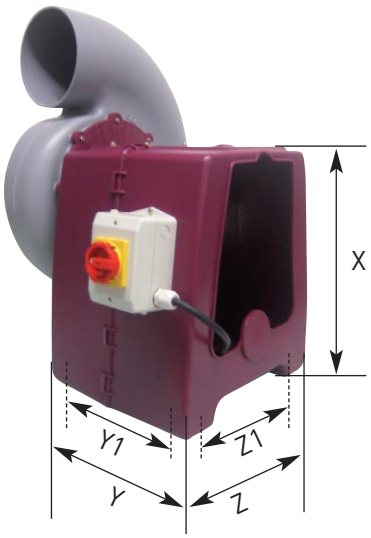
1 - Roof unit kit



Roof unit kit includes:
1 Cap bracket
1 Motor Cap
1 Switcher
1 Roof curbe bare
1 Exhaust Guard

Dimensions (mm)					
	A	B	C	D	E
KIT ROOF 15	550	560	560	125	547/547 int.
KIT ROOF 20	560	600	560	160	547/547 int.
KIT ROOF 25	590	680	595	200	547/547 int.
KIT ROOF 30	680	780	650	250	547/547 int.
KIT ROOF 35	880	950	850	315	700/700 int.

2 - Enclosed pedestal

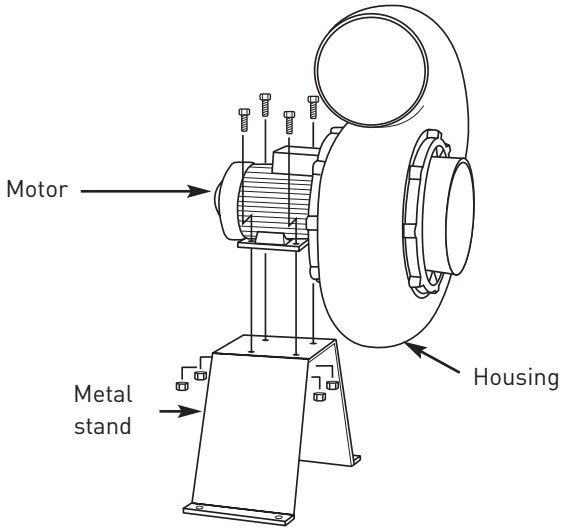


Dimensions (mm)						
Fan	Type	X	Z	Y	Z1	Y1
SEAT 15/20/25 STORM 12/14	450	450	425	340	318	270
SEAT 25 2 P SEAT 30 STORM 16	550	550	425	340	318	270
SEAT 35	700	715	585	505	520	430

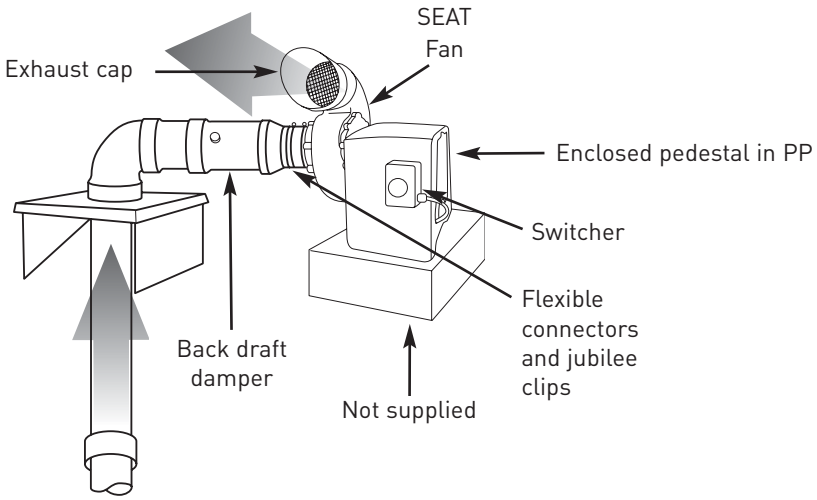
www.seat-ventilation.com
info@seat-ventilation.com

Installation principles

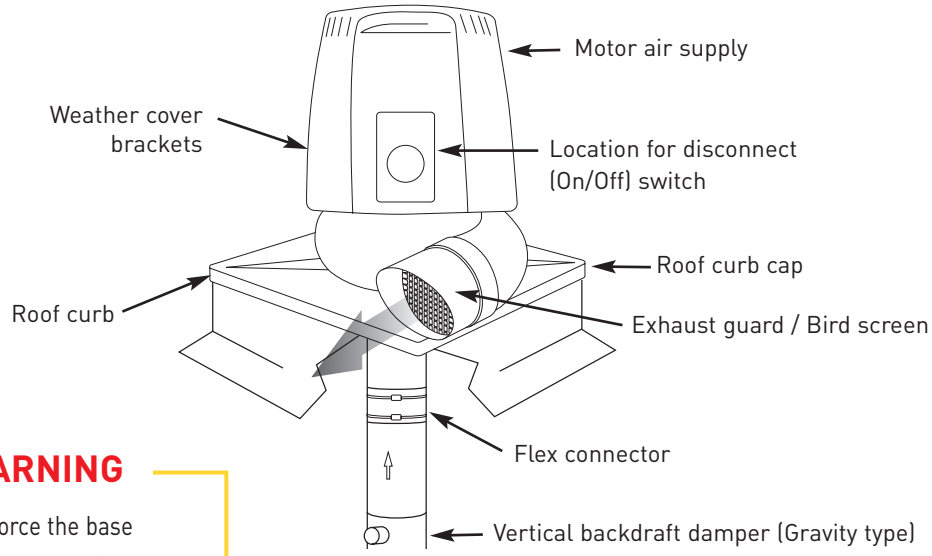
Metal stand



Enclosed pedestal



Roof unit



WARNING

Reinforce the base
before placing the roof curb bare
for a motor weight more than 20 Kg.

JET Series

Specifications

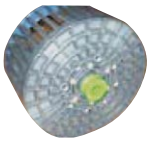
Fan type: In line centrifugal roof curb mounted with vertical discharge

Applications: Suitable for operation in highly corrosive applications such as laboratory exhaust or the chemical industry.

Housings: PP

Single back strong high density UV treated and recyclable polypropylene (PPH) with no air leakage. All fan mounting hardware in stainless steel.

Wheels: PP



Forward curved centrifugal type impeller made of injection molded PPH. Fan wheel supplied with motor shaft bushing and hub cap constructed of PPH. Wheels electronically and dynamically balanced to ISO 1940.

Motors

Direct drive, asynchronous, single or three phase, IP55. Single speed: three phase 230/400V-50/60 Hz, single phase 230V-50Hz. Explosion proof motors available on request. Motor is outside the corrosive airstream and accessible by removal of outer housing. Three phase motors speed adjustable by variable frequency inverter drive..

ATEX

SEAT Series Fans are also available in ATEX Zone II, known outside Europe as explosion proof category 3 G execution in accordance with ATEX directive 94/9/CE. ATEX declaration of conformity available on our web site www.seat-ventilation.com. The performances curves of explosion proof fans are identical with the ones of the standard version.

Temperature resistance

PPH casing and wheel recommended up to 80°C.

Performance

Fan performance based on tests conducted in accordance with AMCA 210-85 and ISO 5801.

Warranty

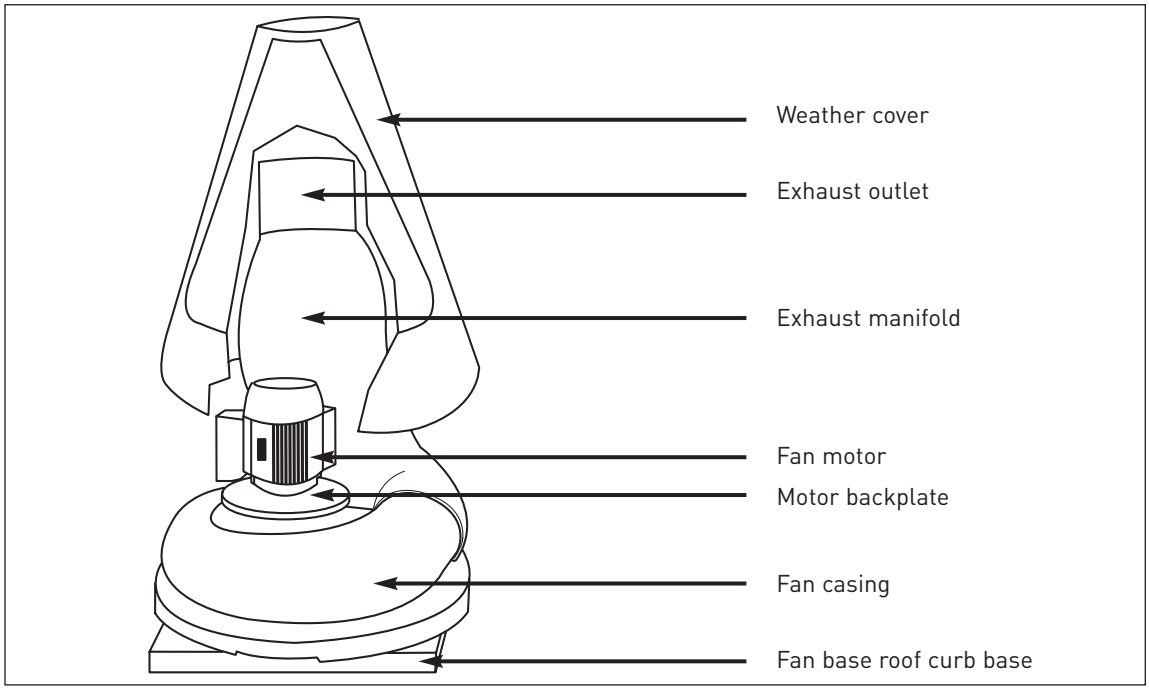
SEAT VENTILATION warrants its equipment to be free from defects in workmanship and material under normal use and service for two years after shipment. Warranty is void if damage results from improper wiring or installation

Electrical data and weight*

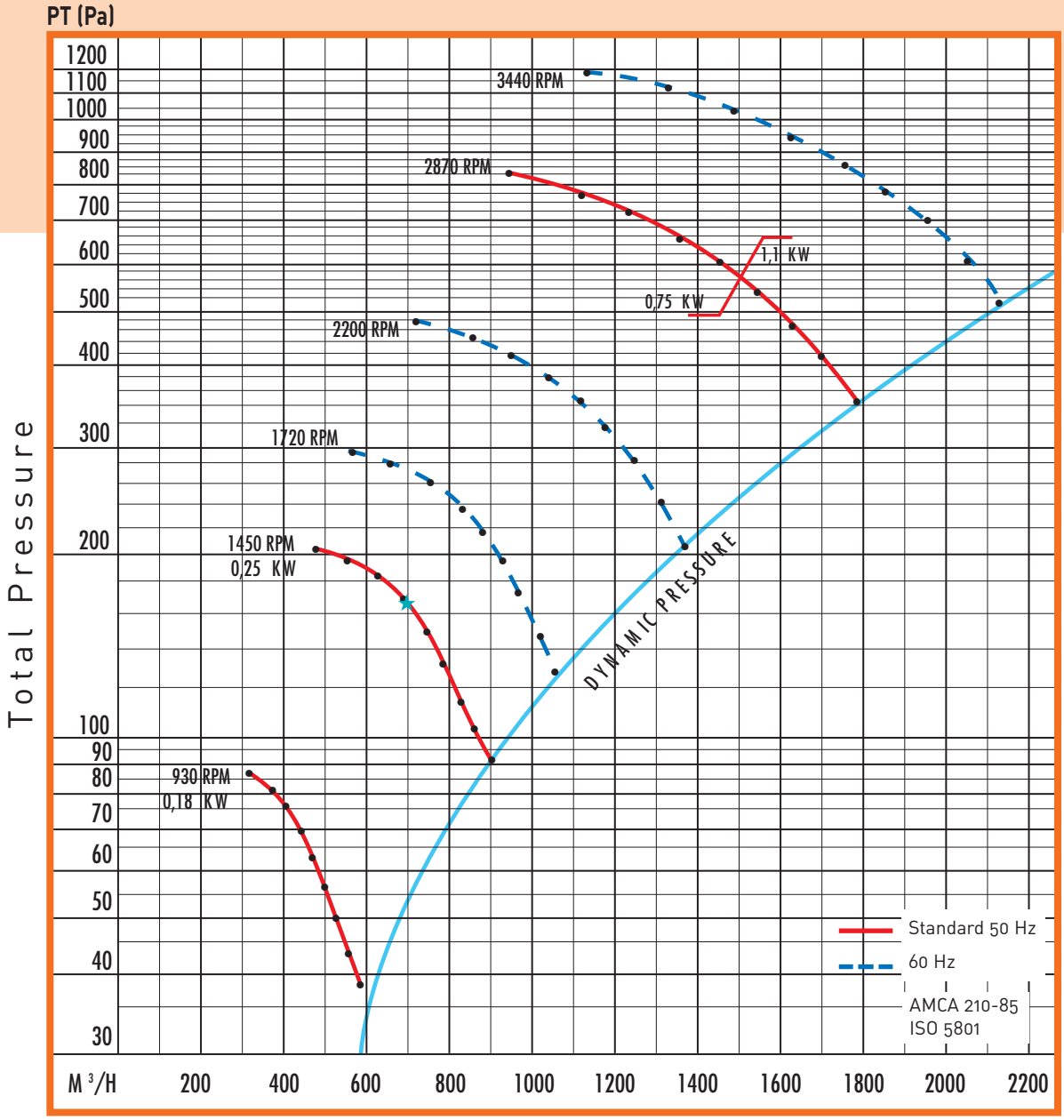
	RPM (T/min)	(kW)	(V)	AMP draw (A)	Weight (Kgs)
Single phase					
JET 20	1500	0,25	230	2,5	19,50
	3000	0,75	230	5,4	25,20
JET 25	1500	0,37	230	3,1	25,50
JET 30	1500	1,50	230	9,2	40,15
Three phase					
JET 20	1000	0,18	230/400	1,5/0,85	22,80
	1500	0,25	230/400	1,7/0,96	22,80
	3000	0,75	230/400	3,2/1,9	24,00
	3000	1,10	230/400	4,7/2,7	25,90
JET 25	1500	0,37	230/400	2,1/1,2	25,50
	1500	0,55	230/400	3,1/1,8	28,00
	3000	2,20	230/400	8,8/5,1	35,00
JET 30	1000	0,55	230/400	3/1,8	38,2
	1500	1,10	230/400	6,4/3,7	43,2
ATEX					
JET 20 ATEX	1500	0,18	230/400	0,97/0,56	20,50
JET 25 ATEX	1500	0,37	230/400	1,7/1,1	30,00
JET 30 ATEX	1500	1,10	230/400	4,4/2,55	61,80

*Tabulated current values are approximate and depend on make and model of the motor.

Assembly drawings



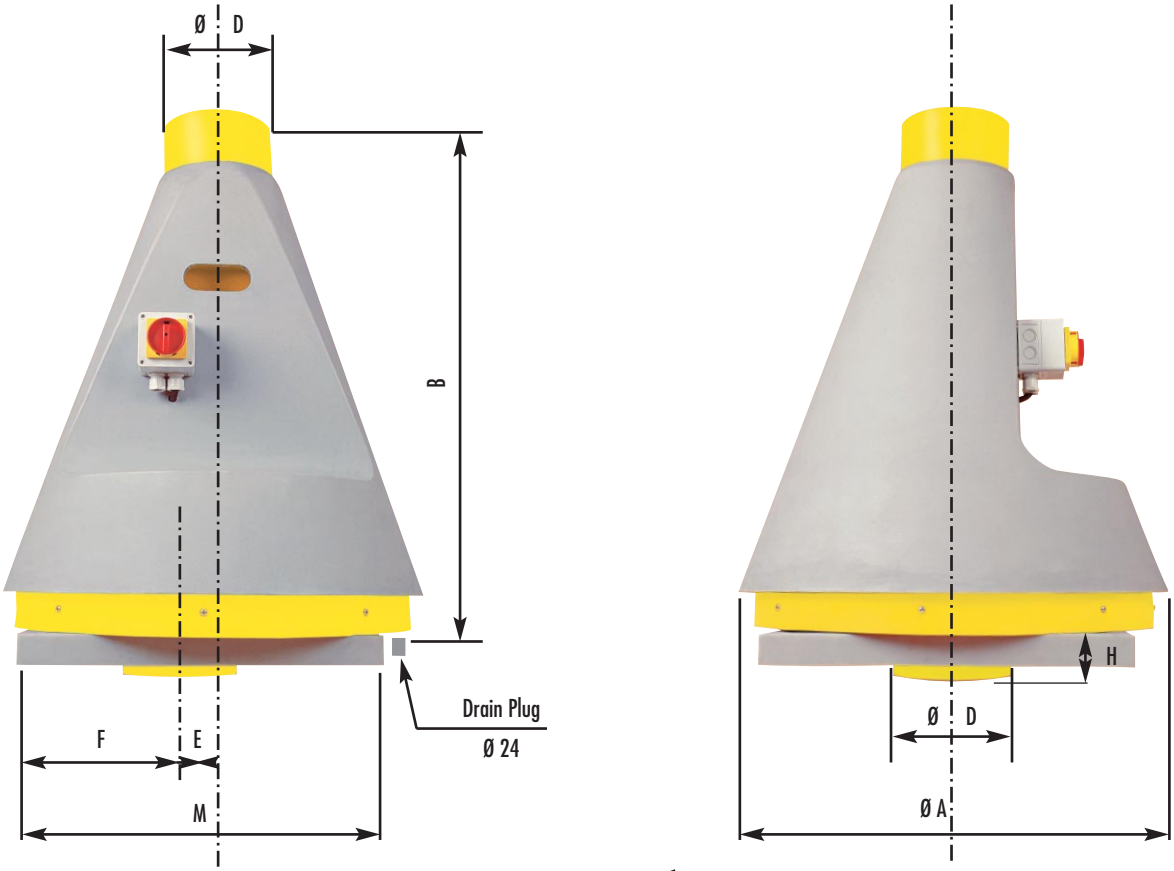
JET 20

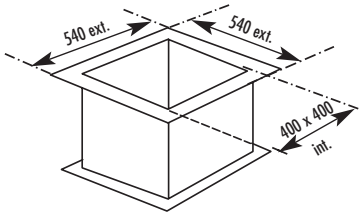


n (T/min) R.P.M.	LWA dB(A)
950	60,3
★ 1450	70,3
2900	85,1

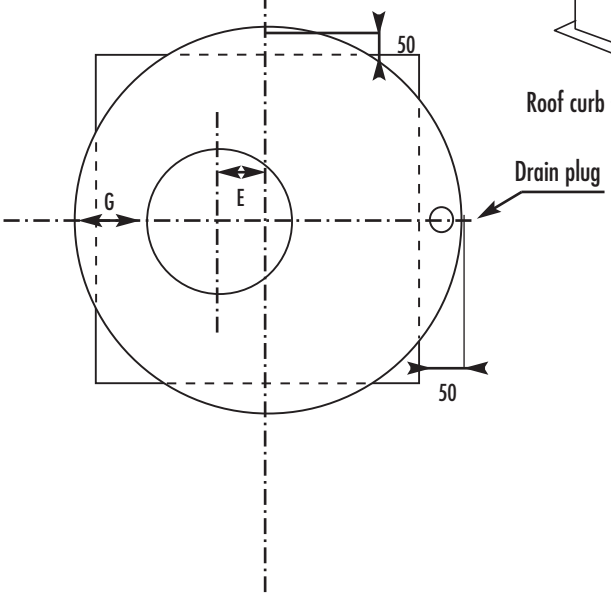
Free inlet/Free outlet
Noise level test type A.
Visit our website for details.

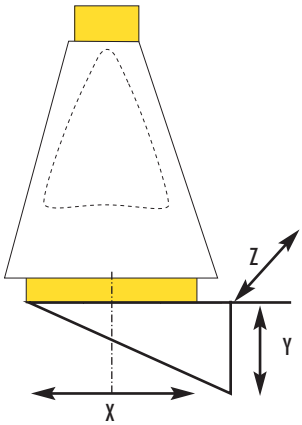
www.seat-ventilation.com
info@seat-ventilation.com





Roof curb sizing for guidance only

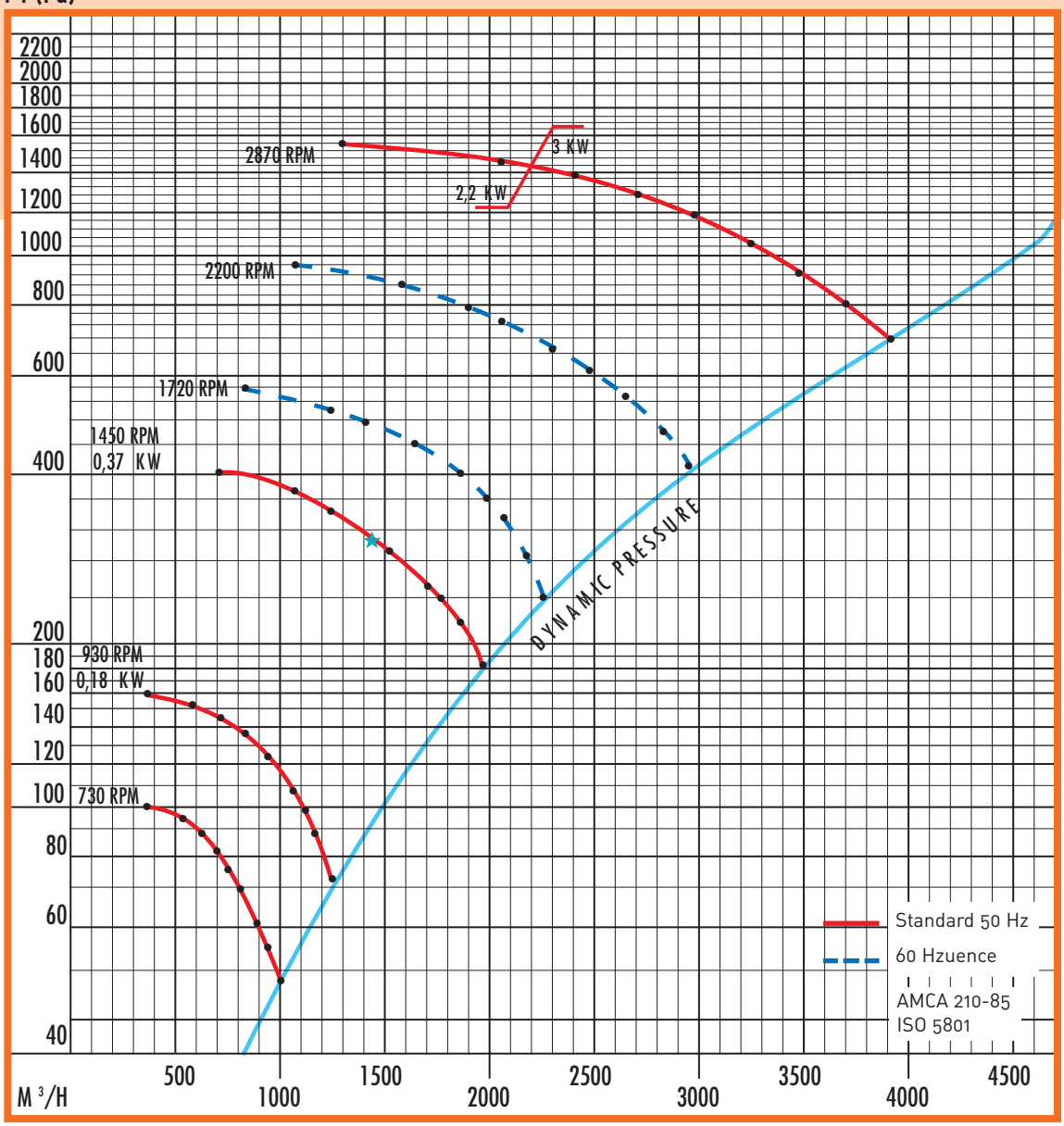




Option :
Wall metal bracket

Dimensional data (mm)										
A	B	Ø D	E	F	G	H	X	Y	Z	M
600	800	160	50	250	160	70	280	350	400	540-540 in.

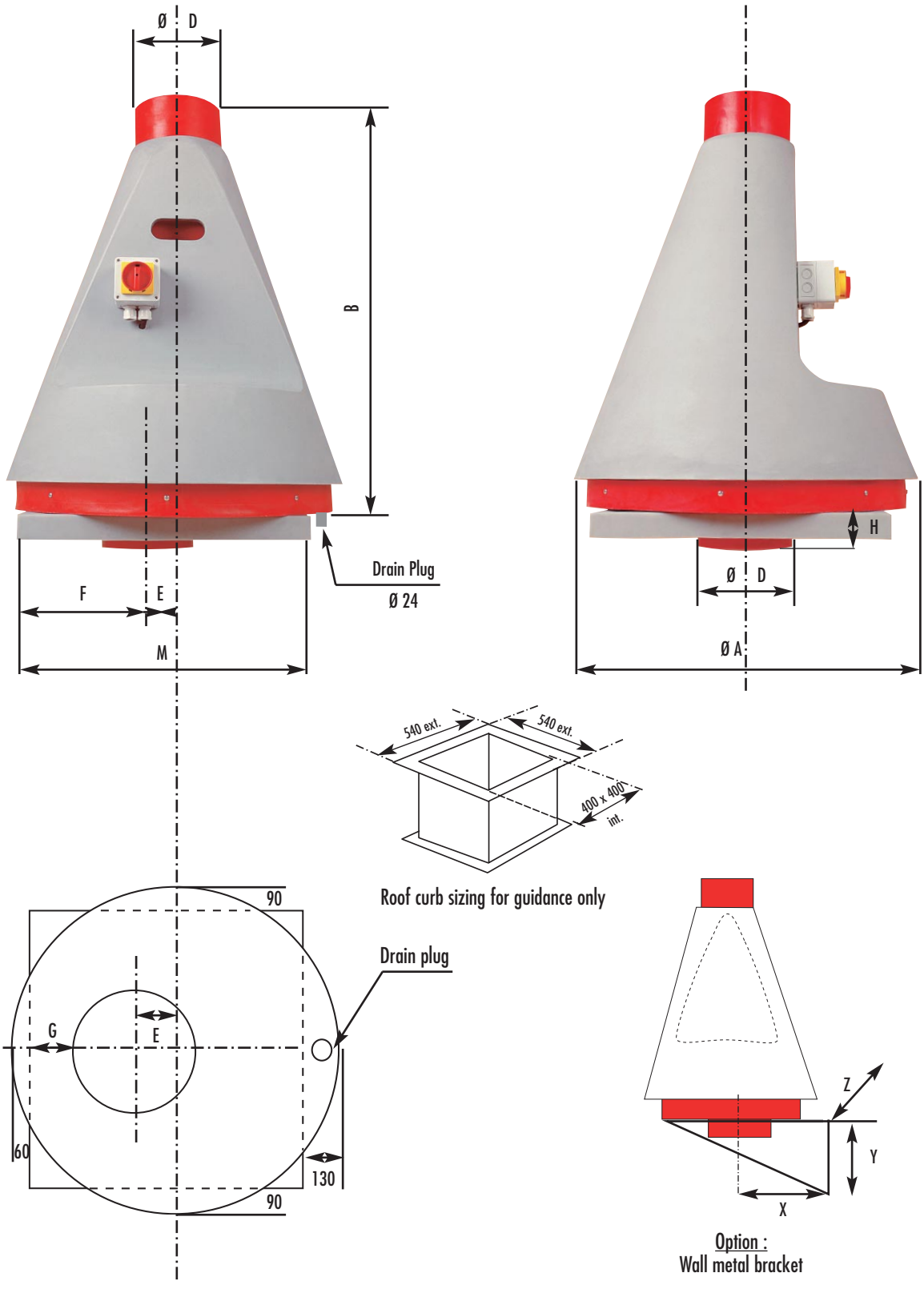
JET 25



n (T/min) R.P.M.	LWA dB(A)
950	66,2
★ 1450	76,0
2900	90,6

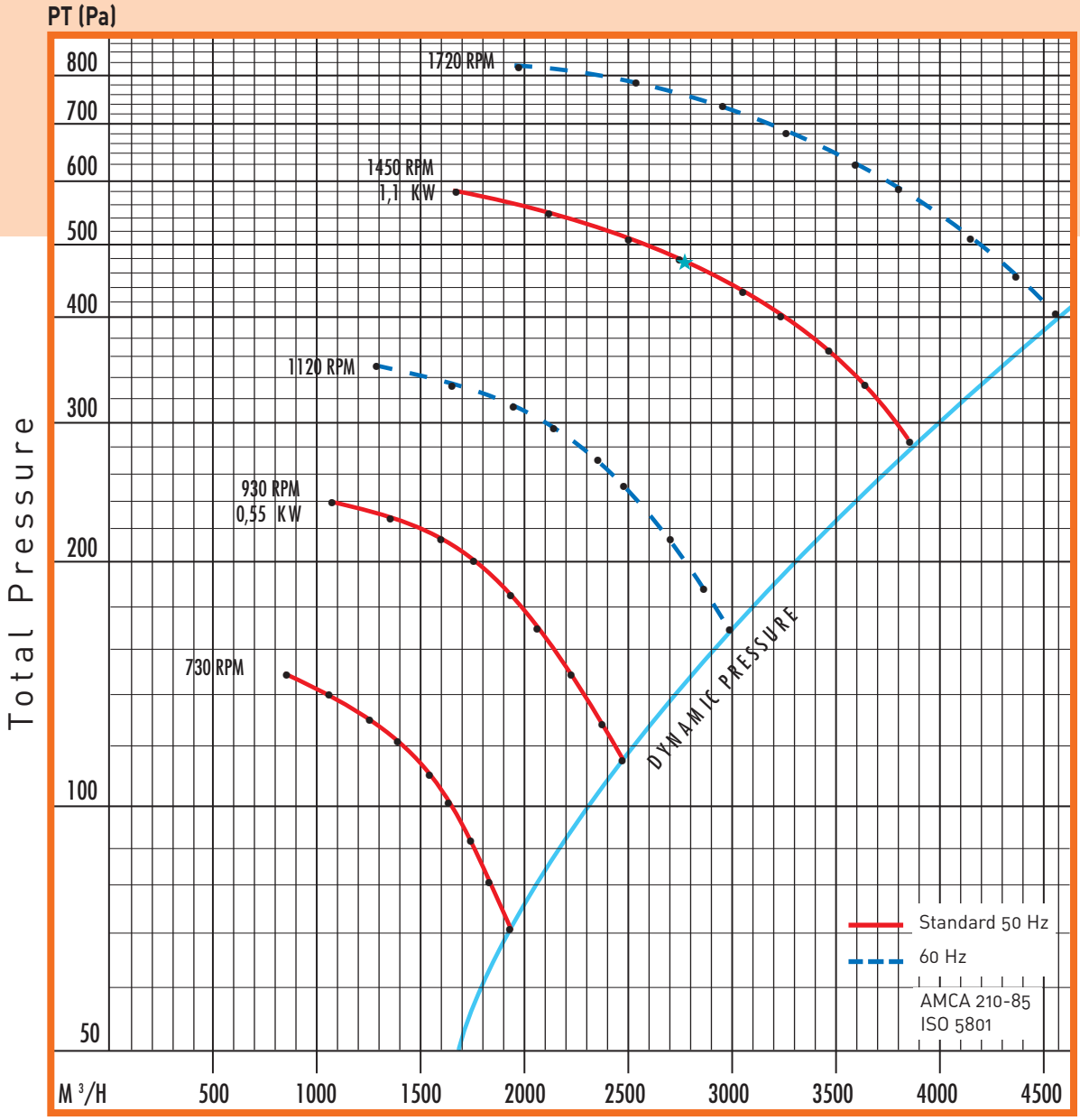
Free inlet/Free outlet
Noise level test type A.
Visit our website for details.

www.seat-ventilation.com
info@seat-ventilation.com



Dimensional data (mm)										
A	B	Ø D	E	F	G	H	X	Y	Z	M
735	930	200	60	240	145	70	330	350	510	540-540 in.

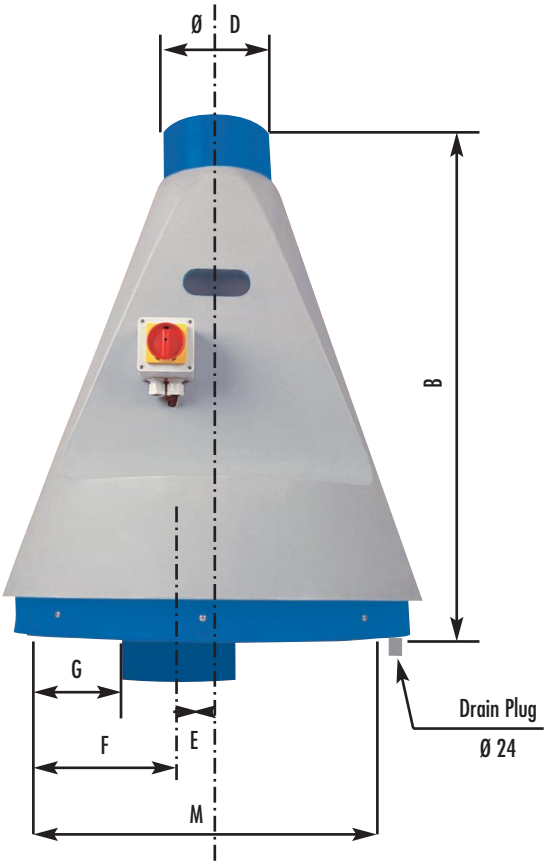
JET 30

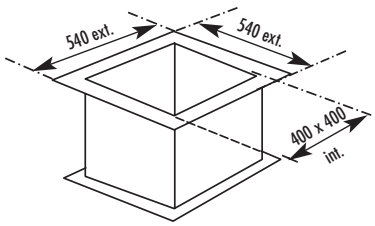


Free inlet/Free outlet
Noise level test type A.
Visit our website for details.

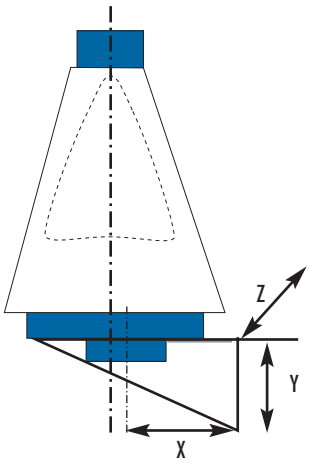
n (T/min) R.P.M.	LWA dB(A)
950	73,1
★ 1435	82,8

www.seat-ventilation.com
info@seat-ventilation.com





Roof curb sizing for guidance only

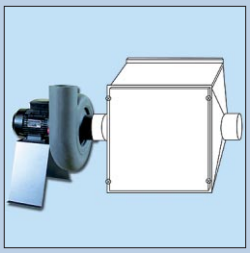
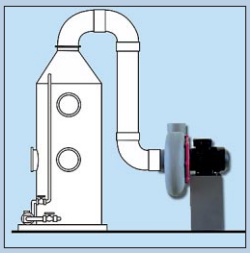


Option :
Wall metal bracket

Dimensional data (mm)											
A	B	Ø D	E	F	G	H	G'	X	Y	Z	M
880	1040	250	70	200	75	70	130	400	400	600	540-540 in.

STORM Series

Specifications


Applications: Ventilation of safety cabinets (STORM 10), scrubbers, fume capture arms, filter housing, etc. (STORM 12, 14, 16).

Housings: PP*

Single block strong high density UV treated and recyclable polypropylene (PPH) with no air leakage. All fan mounting hardware in stainless steel. Rotatable to any of 8 standard discharge positions by 45° increments.

** with the exception of STORM 10: PE.*

Wheels: PP

Forward curved centrifugal type impeller made of injection molded PPH. Fan wheel supplied with motor shaft bushing and hub cap constructed of PPH. Wheels electronically and dynamically balanced. LG/CCW rotation only.

Motors

Direct drive, asynchronous, single or three phase, IP55. Single speed: three phase 230/400V-50/60 Hz, single phase 230V-50Hz. Explosion proof motors available on request. Motor is outside the corrosive airstream. Three phase motors speed adjustable by variable frequency inverter drive. STORM 10 is also available with external rotor IP 20 motor for quiet performance.

Motor support: Several options: no stand, metal stand or polypropylene motor pedestal.

ATEX

SEAT Series Fans are also available in ATEX Zone II, known outside Europe as explosion proof, category 3 G execution in accordance with ATEX directive 94/9/CE. ATEX declaration of conformity available on our web site www.seat-ventilation.com. The performances curves of explosion proof fans are identical with the ones of the standard version.

Performance

Fan performance based on tests conducted in accordance ith AMCA 210-85 and ISO 5801.

Temperature resistance

PPH casing and wheel recommended up to 80°C.

Warranty

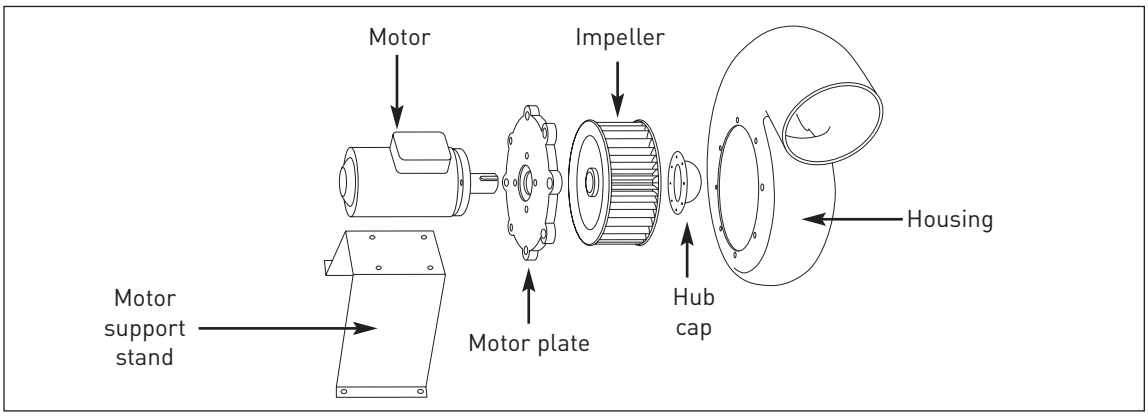
SEAT VENTILATION warrants its equipment to be free from defects in workmanship and material under normal use and service for two years after shipment. Warranty is void if damage results from improper wiring or installation.

Electrical data and weight*

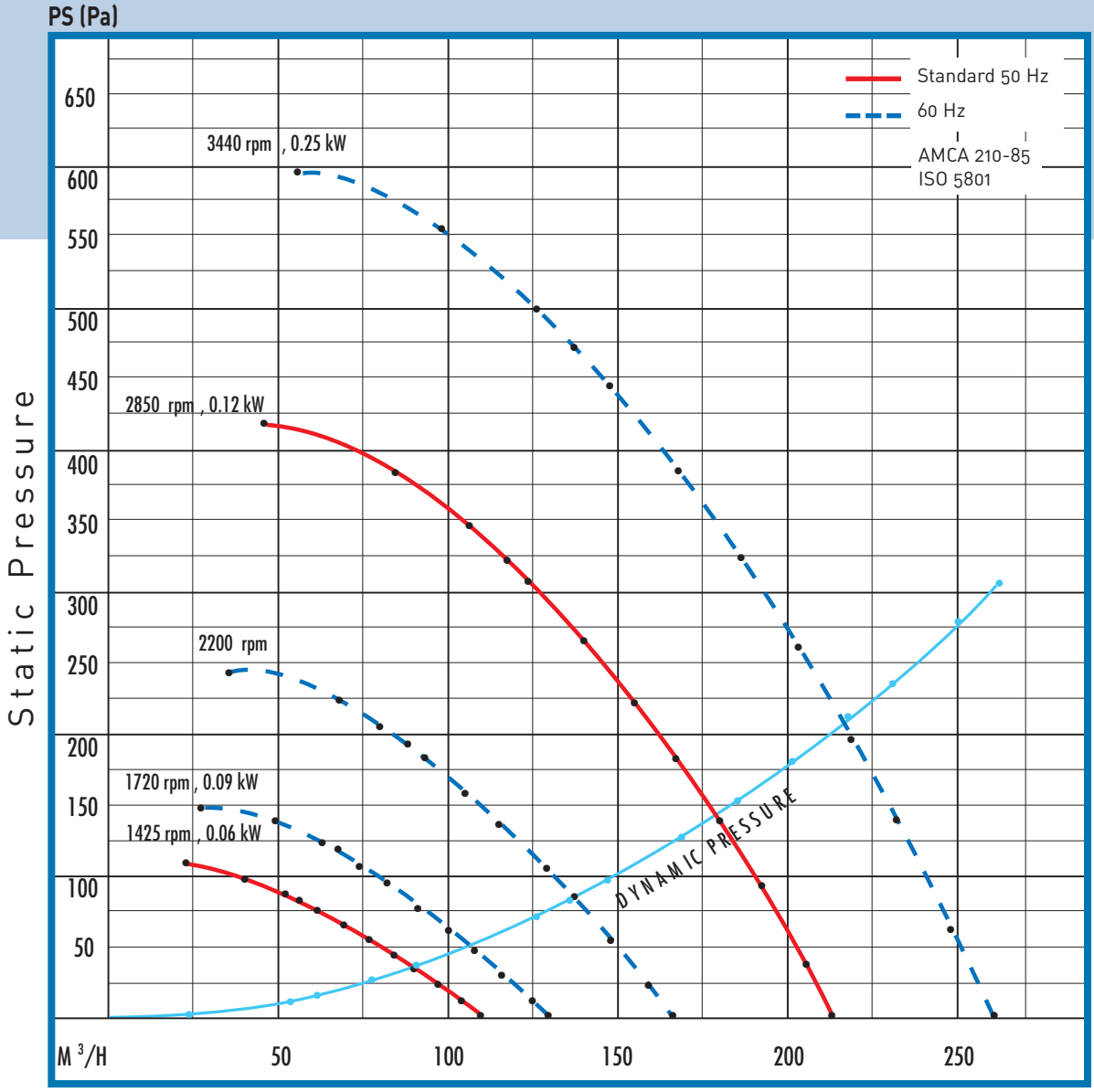
	RPM (T/min)	(kW)	(V)	AMP draw (A)	Weight (Kgs)
Single phase					
STORM 10	1250	0,04	230	0,31	4,33
	1500	0,09	230	1,12	3,00
	3000	0,12	230	1,20	4,43
STORM 12	1500	0,25	230	2,50	7,03
	3000	0,37	230	3,10	7,53
Three phase					
STORM 10	1500	0,09	230/400	0,63/0,37	4,00
	3000	0,12	230/400	0,80/0,46	4,33
STORM 12	1500	0,25	230/400	1,70/0,96	7,3
	3000	0,37	230/400	1,70/1,00	7,4
STORM 14	3000	1,10	230/400	4,70/2,70	15,80
STORM 16	3000	2,20	230/400	8,80/5,10	20,59
ATEX					
STORM 10 ATEX	1500	0,06	230/400	0,65/0,37	4,33
	2800	0,12	230/400	0,80/0,46	4,33
STORM 12 ATEX	1500	0,18	230/400	0,97/0,56	13,6
	3000	0,37	230/400	1,64/0,95	16,6
STORM 14 ATEX	3000	1,10	230/400	4,4/2,5	23,10
STORM 16 ATEX	3000	2,20	230/400	8,00/4,60	33,70

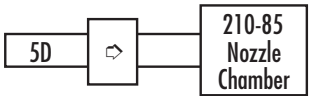
*Tabulated current values are approximate and depend on make and model of the motor.

Assembly drawing for Storm 12, Storm 14 and Storm 16

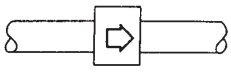


STORM 10





Noise level type B.
Visit our website for details.



Type D
Ducted inlet/Ducted outlet

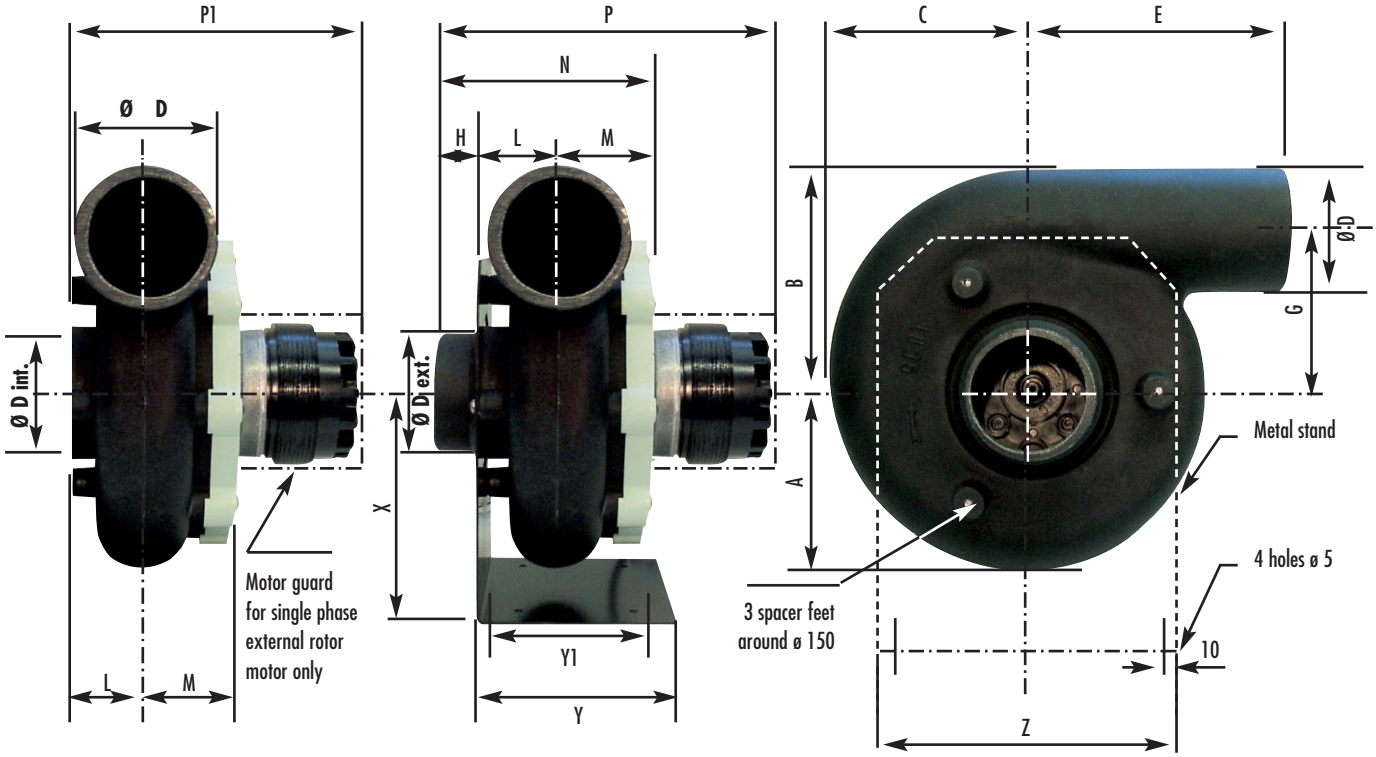
Housing and motor noise level when fan is running near maximum output

n (T/min) R.P.M.	dB(A)	dB
1435	52,3	61,6
1720	57,1	67,4
2870	69,7	80,8
3440	74,1	85,2

ISO 13347

n (T/min) R.P.M.	Global dB	Global dB (A)
1435	62,9	51,6
1720	68,1	56,5
2870	81,1	69,6
3440	85,5	74,4

www.seat-ventilation.com
info@seat-ventilation.com



ONLY LG POSITION

Dimensional data (mm). Metal stand does not come standard with fan (see accessories pricing). The motor frame size may vary upon type of motor used.

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

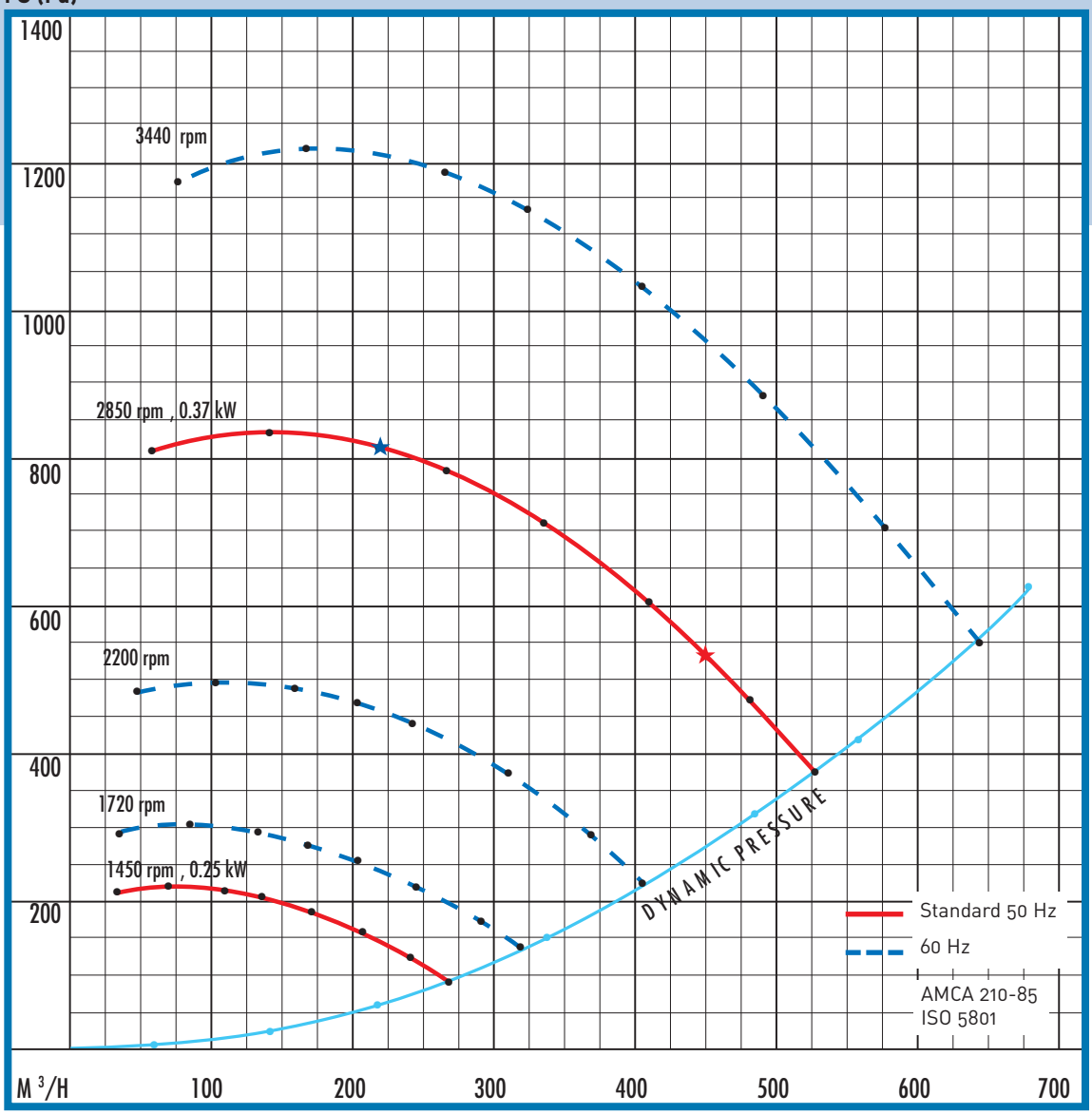
Motor type		
	P1	P
Single phase, rotor exterior, IP20 with cover	173	205
ATEX Three phase	262	295
Three phase, IP55	253	285

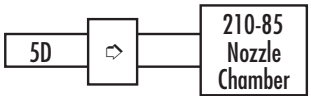
Handings with IP55 motor type are viewed from inlet side - 45 degree adjustable

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

LG 0 and LG 90 are handings with IP20 motor type.

STORM 12

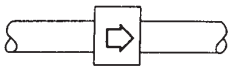




Noise level type B.
Visit our website for details.

n (T/min) R.P.M.	★ dB(A)	★	dB	
1450	69,9	71,7	82	83,9
1720	73,5	75,3	86,9	87,6
2850	84,2	85,8	98,7	98,1
3300	87,4	88,8	101,9	100,9

ISO 13347

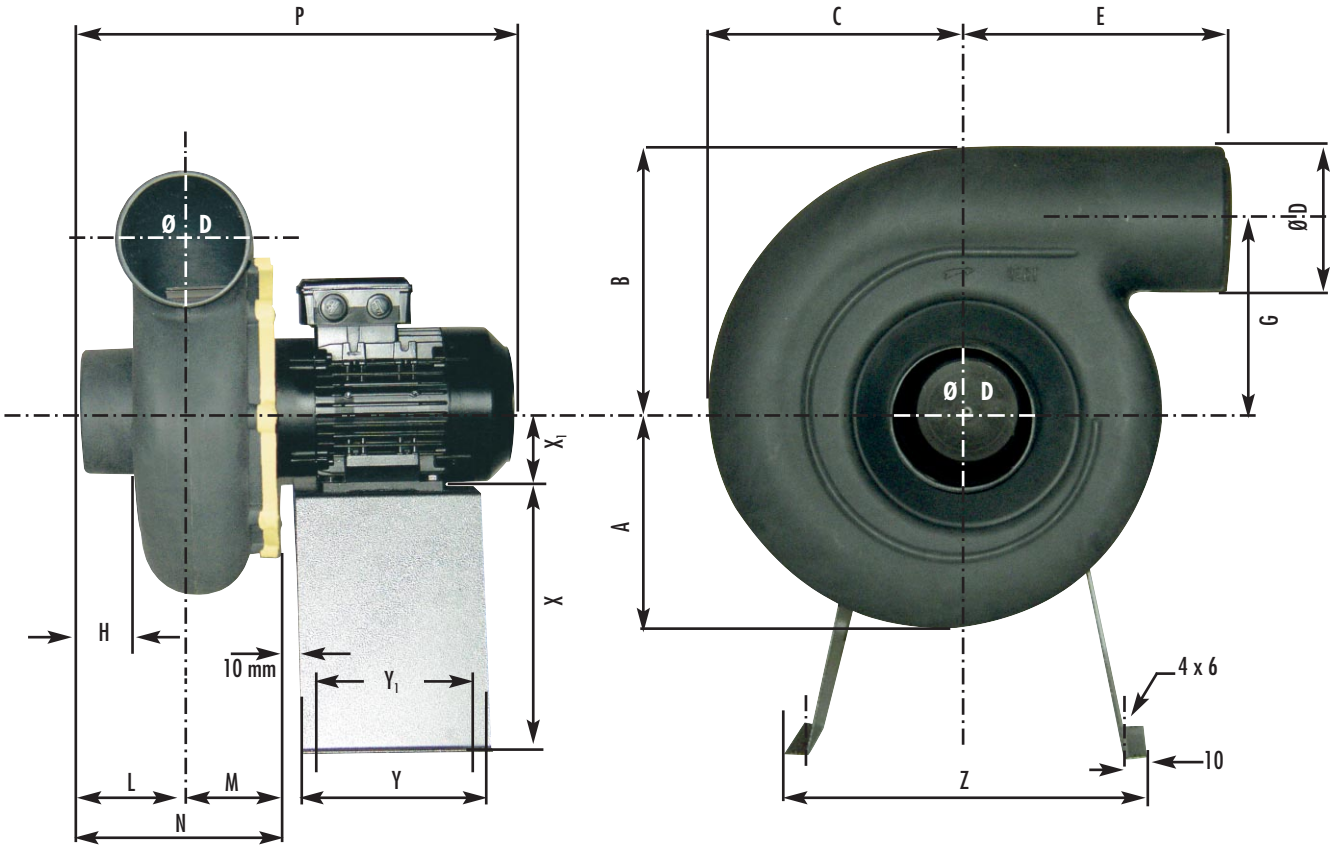


Type D
Ducted inlet/Ducted outlet

Housing and motor noise level when fan is running near maximum output

n (T/min) R.P.M.	Global dB	Global dB (A)
1450	60,4	56,8
1720	65,2	61,5
2850	76,8	74
3300	80,5	77,8

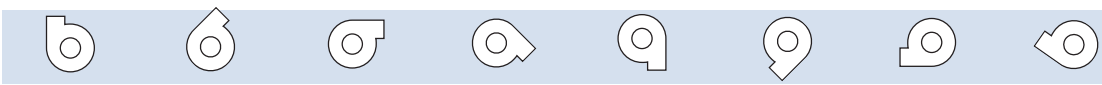
www.seat-ventilation.com
info@seat-ventilation.com



ONLY LG POSITION

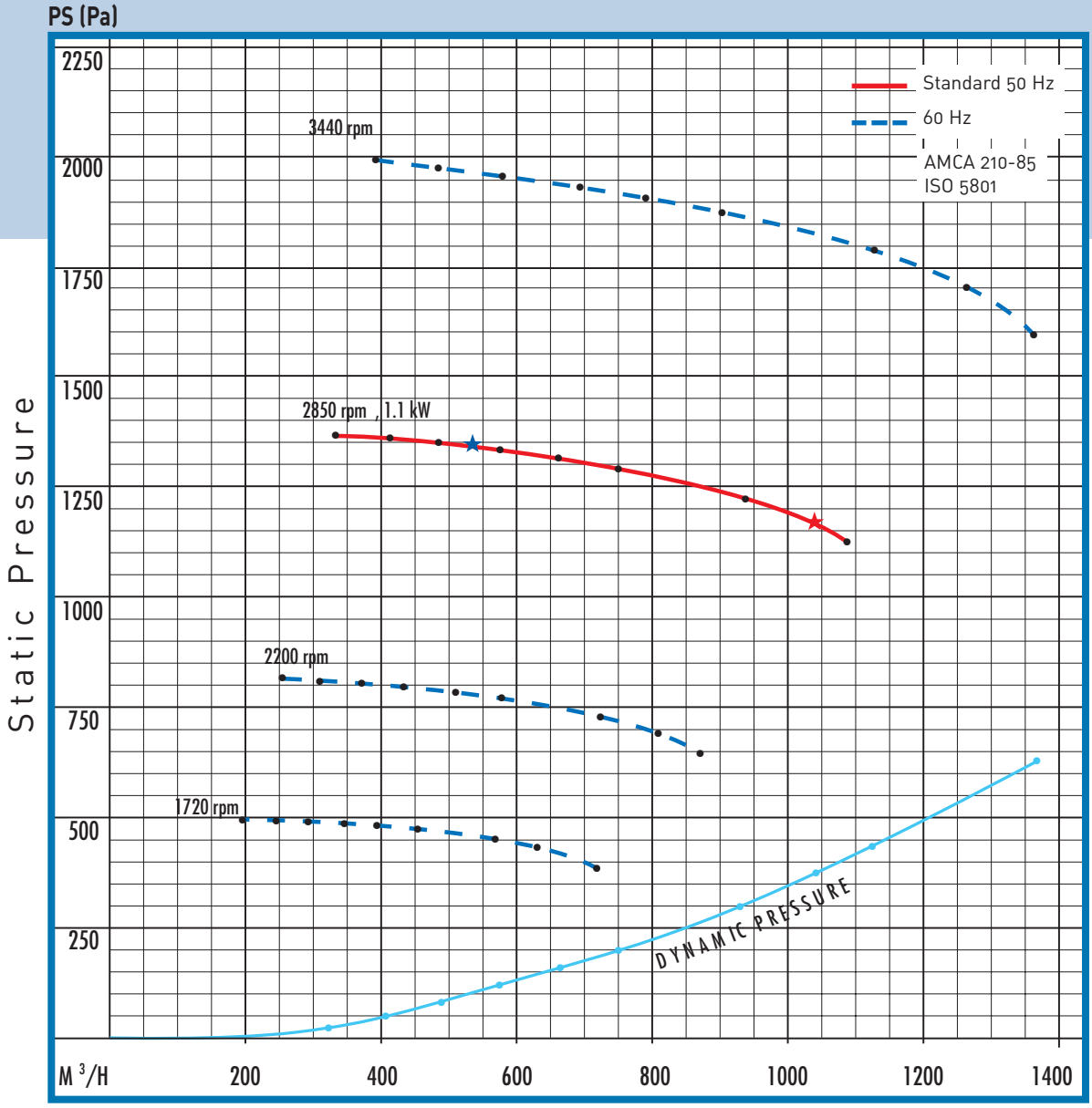
Dimensional data (mm). Metal stand does not come standard with fan (see accessories pricing). The motor frame size may vary upon type of motor used.															
A	**B**	**C**	**Ø D**	**E**	**G**	**H**	**L**	**M**	**N**	**P**	**Y**	**Y_1**	**Z**	**X**	**X_1**
145	175	163	90	212	130	45	80	72	152	350	180	160	340	240	71

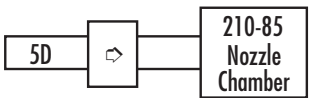
Handings with IP55 motor type are viewed from inlet side - 45 degree adjustable



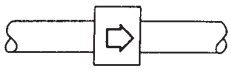
LG 0 **LG 45** **LG 90** **LG 135** **LG 180** **LG 225** **LG 270** **LG 315**

STORM 14





Noise level type B.
Visit our website for details.



Type D
Ducted inlet/Ducted outlet

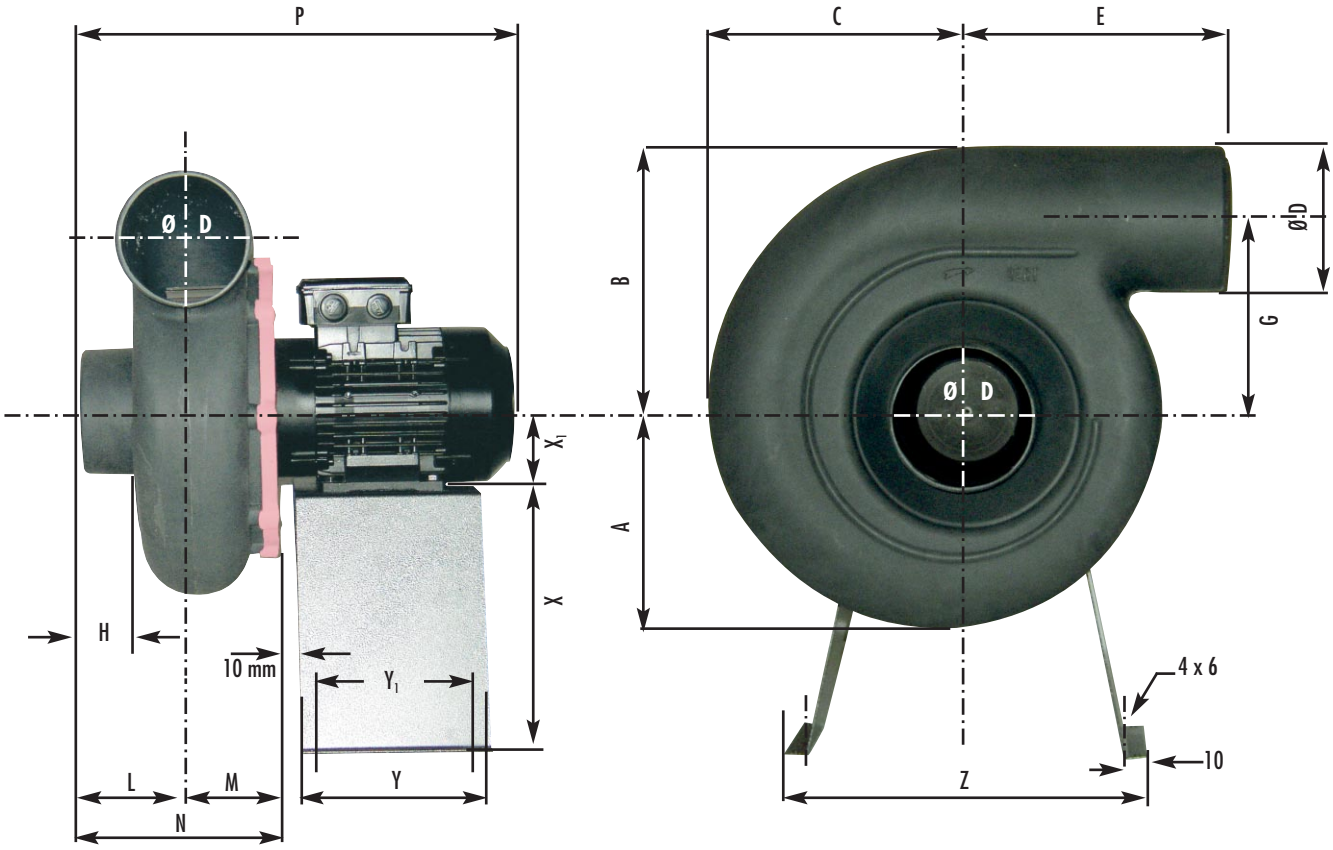
Housing and motor noise level when fan is running near maximum output

n (T/min) R.P.M.	★ dB(A)	★	dB	
1450	72,5	75	87,2	87,3
1720	76,4	78,8	93,1	90,8
2850	88,1	89,3	109,3	105,8
3300	91,3	93,1	112,4	110,5

ISO 13347

n (T/min) R.P.M.	Global dB	Global dB (A)
1450	65,4	61,1
1720	69,1	69,1
2850	82,1	78
3300	86,7	81,8

www.seat-ventilation.com
info@seat-ventilation.com



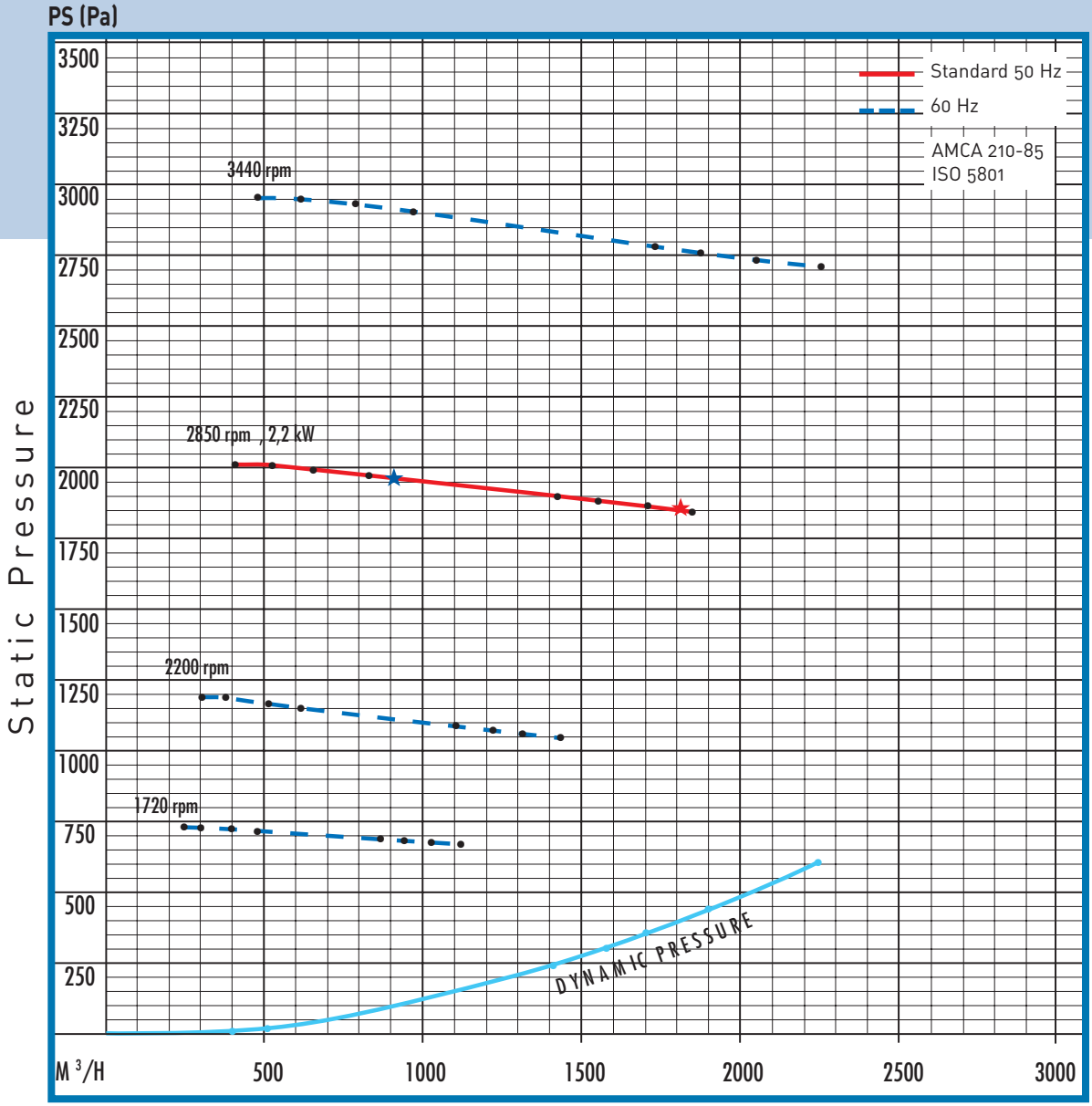
ONLY LG POSITION

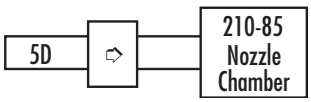
Dimensional data (mm). Metal stand does not come standard with fan (see accessories pricing). The motor frame size may vary upon type of motor used.															
A	**B**	**C**	**Ø D**	**E**	**G**	**H**	**L**	**M**	**N**	**P**	**Y**	**Y_1**	**Z**	**X**	**X_1**
188	232	227	125	218	170	55	110	83	193	433	180	160	340	240	80

Handings with IP55 motor type are viewed from inlet side - 45 degree adjustable

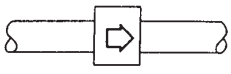
LG 0 **LG 45** **LG 90** **LG 135** **LG 180** **LG 225** **LG 270** **LG 315**

STORM 16





Noise level type B.
Visit our website for details.



Type D
Ducted inlet/Ducted outlet

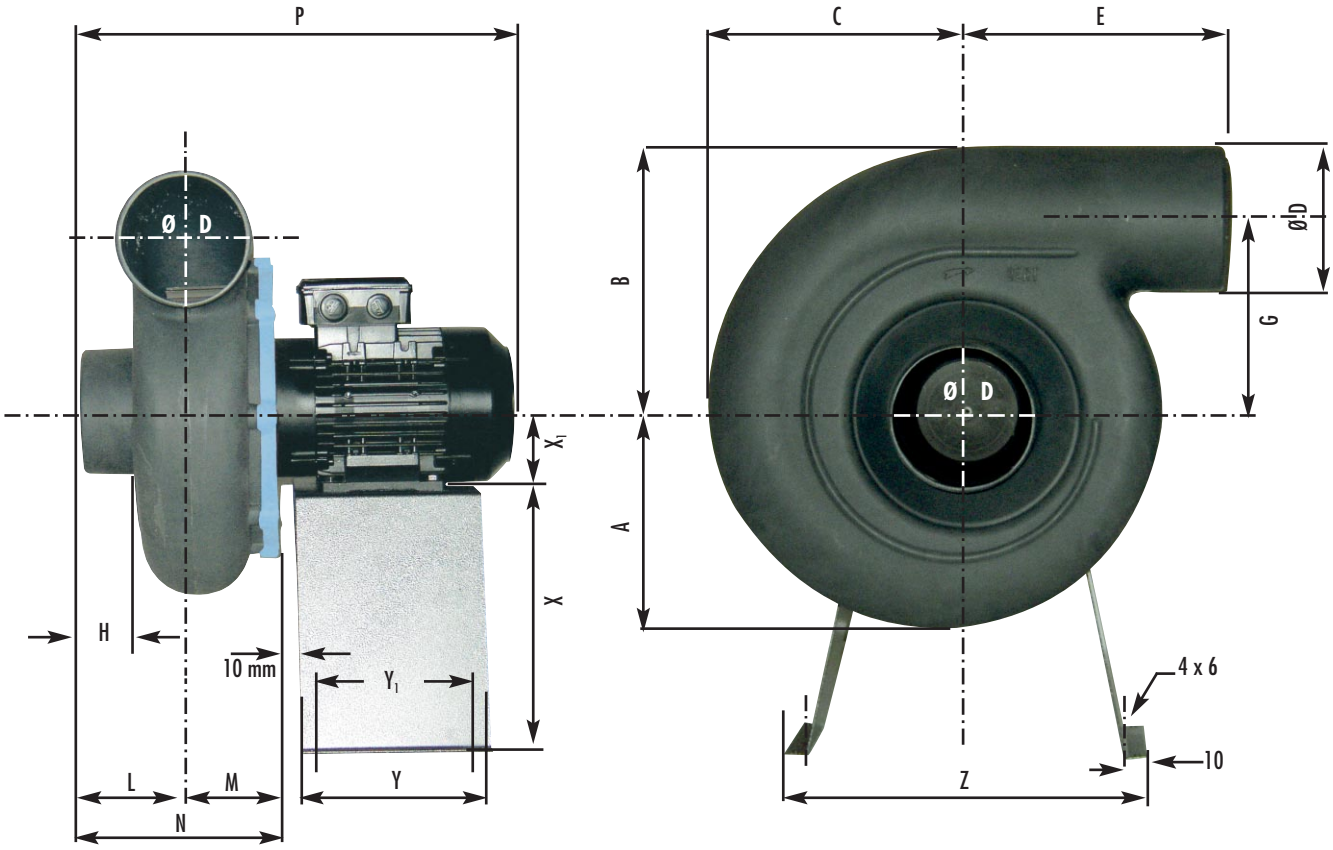
Housing and motor noise level when fan is running near maximum output

n (T/min) R.P.M.	★ dB(A)	★	dB	
1450	77,7	79,3	90,6	92,6
1720	81,8	83,3	99,1	98,2
2850	93,8	94,8	115,8	110
3300	97	98,2	119	114,2

ISO 13347

n (T/min) R.P.M.	Global dB	Global dB (A)
1450	90,6	77,7
1720	99,1	81,8
2850	115,8	93,8
3300	119	97

www.seat-ventilation.com
info@seat-ventilation.com



ONLY LG POSITION

Dimensional data (mm). Metal stand does not come standard with fan (see accessories pricing). The motor frame size may vary upon type of motor used.

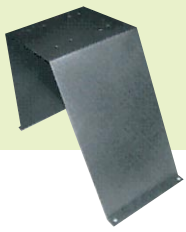
A	B	C	Ø D	E	G	H	L	M	N	P	Y	Y_1	Z	X	X_1
235	288	278	160	262	205	40	100	97	197	477	240	160	420	300	90

Handings with IP55 motor type are viewed from inlet side - 45 degree adjustable

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

Accessories

Metal stand



Enclosed pedestal (PP)

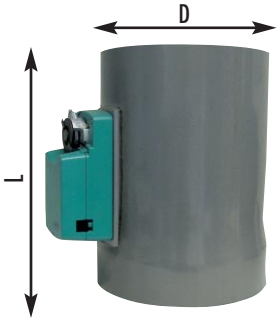
Flexible connectors (PVC) and jubilee clips in stainless steel (PVC)

Switcher 1 m (IP65)

Reducers (PVC)

Dimensions (mm) - Female/female				
Ø 160/200	Ø 200/250	Ø 200/315	Ø 250/315	Ø 315/400

Motorised damper (PVC), supplied only with SEAT AIRCONTROL system

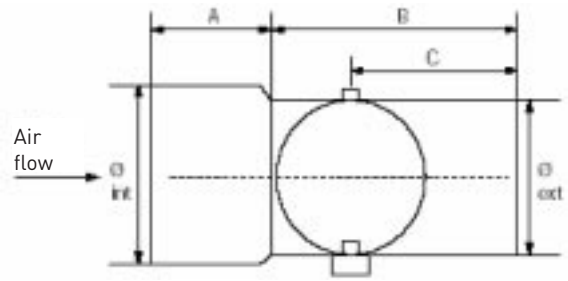


2 versions available: « all or nothing, 220V or 24V input »
or « 0-10V, 24V input ».

Dimensions (mm)					
Ø D	Ø 125	Ø 160	Ø 200	Ø 250	Ø 315
L	290	310	330	340	380

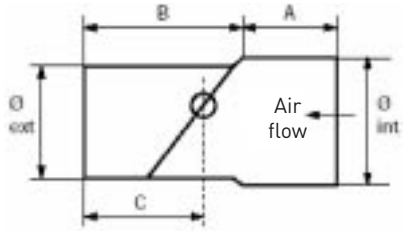
www.seat-ventilation.com
info@seat-ventilation.com

Adjustable damper (PVC)



Dimensions (mm)					
Type	**A**	**B**	**C**	**Ø int.**	**Ø ext.**
Ø 125	60	130	80	125	125
Ø 160	60	145	90	160	160
Ø 200	60	160	100	200	200
Ø 250	60	165	100	250	250
Ø 315	60	170	100	315	315

Backdraft damper (PVC)



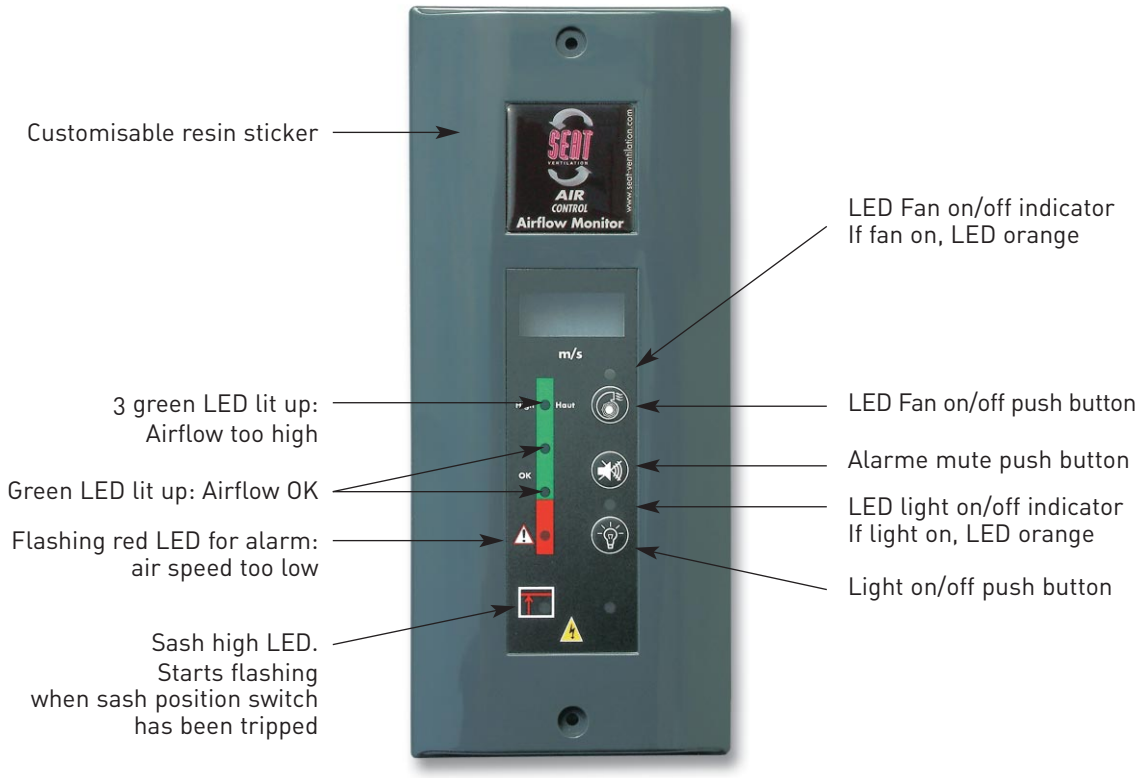
Dimensions (mm)					
Type	**A**	**B**	**C**	**Ø int.**	**Ø ext.**
Ø 125	60	160	110	125	125
Ø 160	60	200	130	160	160
Ø 200	60	210	140	200	200
Ø 250	60	260	170	250	250
Ø 315	60	290	180	315	315

Exhaust cap (PP)

Dimensions (mm)			
Type	**Ø A**	**L**	**Ø C**
125	125	160	110
160	160	200	130
200	200	210	140
250	250	260	170
315	315	450	400

Controllers and inverters

SEAT AIRCONTROL - Variable air volume controllers EN 14-175 RoHS compliant



Type and advantages

Type A
- Easy to use and install
- EN 14– 175 compliant
- Cost effective airflow monitor

Type C
- Energy savings: only the lowest amount of air is exhausted
- User confort: low air speeds ensures reduced noise level
- Flexibility: fan speed can be adjusted at any moment
- Simple wiring: the VAV system and inverter
- EN 14-175 compliant

Futures

- Audible alarm and led visual
- Digital display of air velocity in meter per second (m/s) or feet per minute (digital version only)
- 3 push buttons: fan ON/OFF, light ON/OFF and alarm mute
- Factory precalibrated
- High precision numerical airflow sensor
- Sash high contact
- Alarm relay, battery back up optional
- Available in vertical or horizontal configuration (version A/ LED only)
- Choice of 2 colors (white and grey)

Same as controller type A + VAV control system to inverter or damper.

www.seat-ventilation.com
info@seat-ventilation.com

Inverters

SEAT distributes a range of electronic frequency inverters to precisely match the fan speed to suit your installation. These units comply with the latest European standards and are complete with emc filters.

Type	(kW)	(A)
V400	0,40	2,20
V750	0,75	4,00
V1100	1,10	5,20
V1500	1,50	7,00
V2200	2,20	9,60

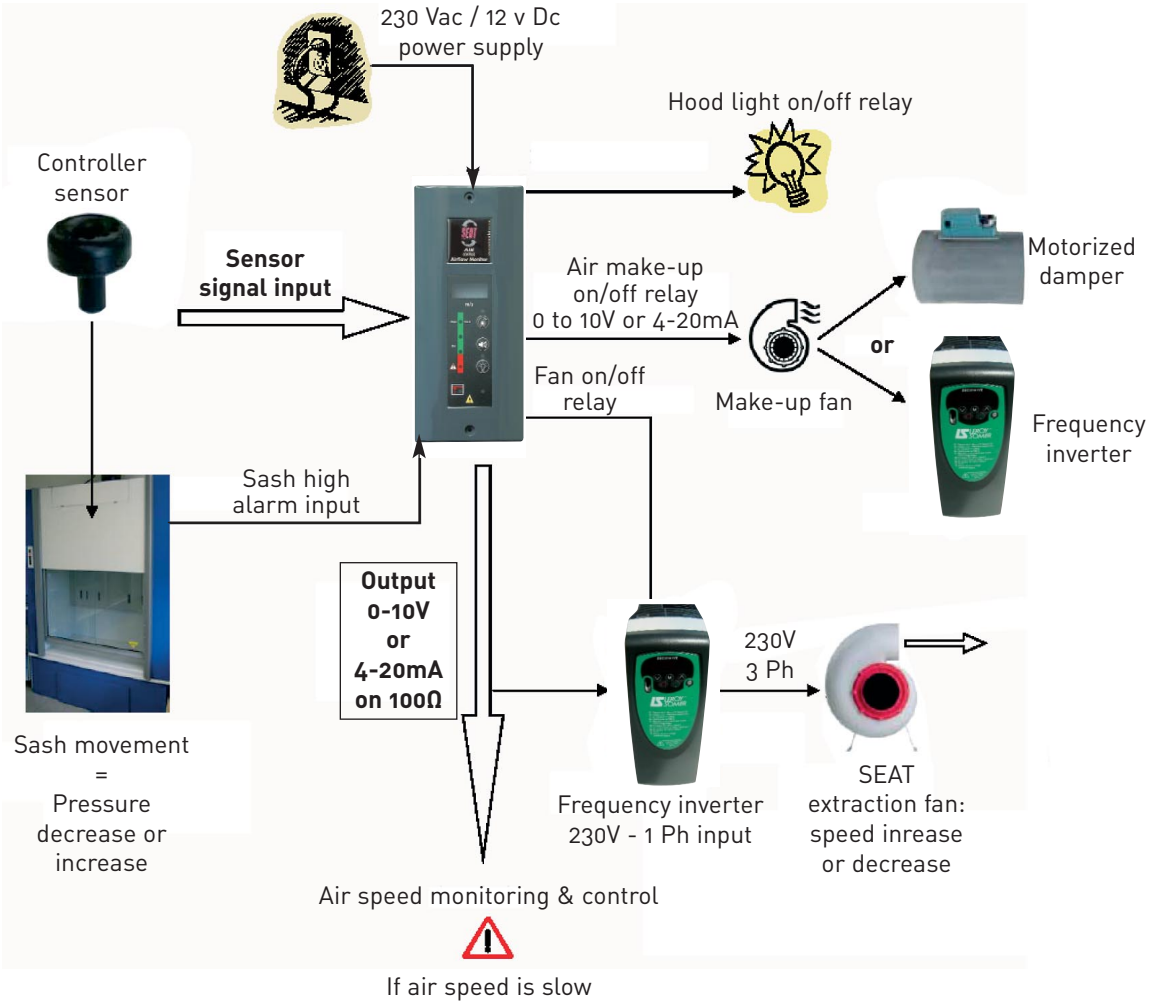
Advantages

- Energy savings
- Reduction in magnetic and ventilation noise
- Longer life cycle
- Easy to install and minimum maintenance

Characteristic of inverter

- Variation: voltage and frequency
- Range: 500 rpm to 1.2 vitesse nominale
- 2 pole motor: 500 to 3400 T/min
- 4 pole motor: 400 tp 1700 T/min

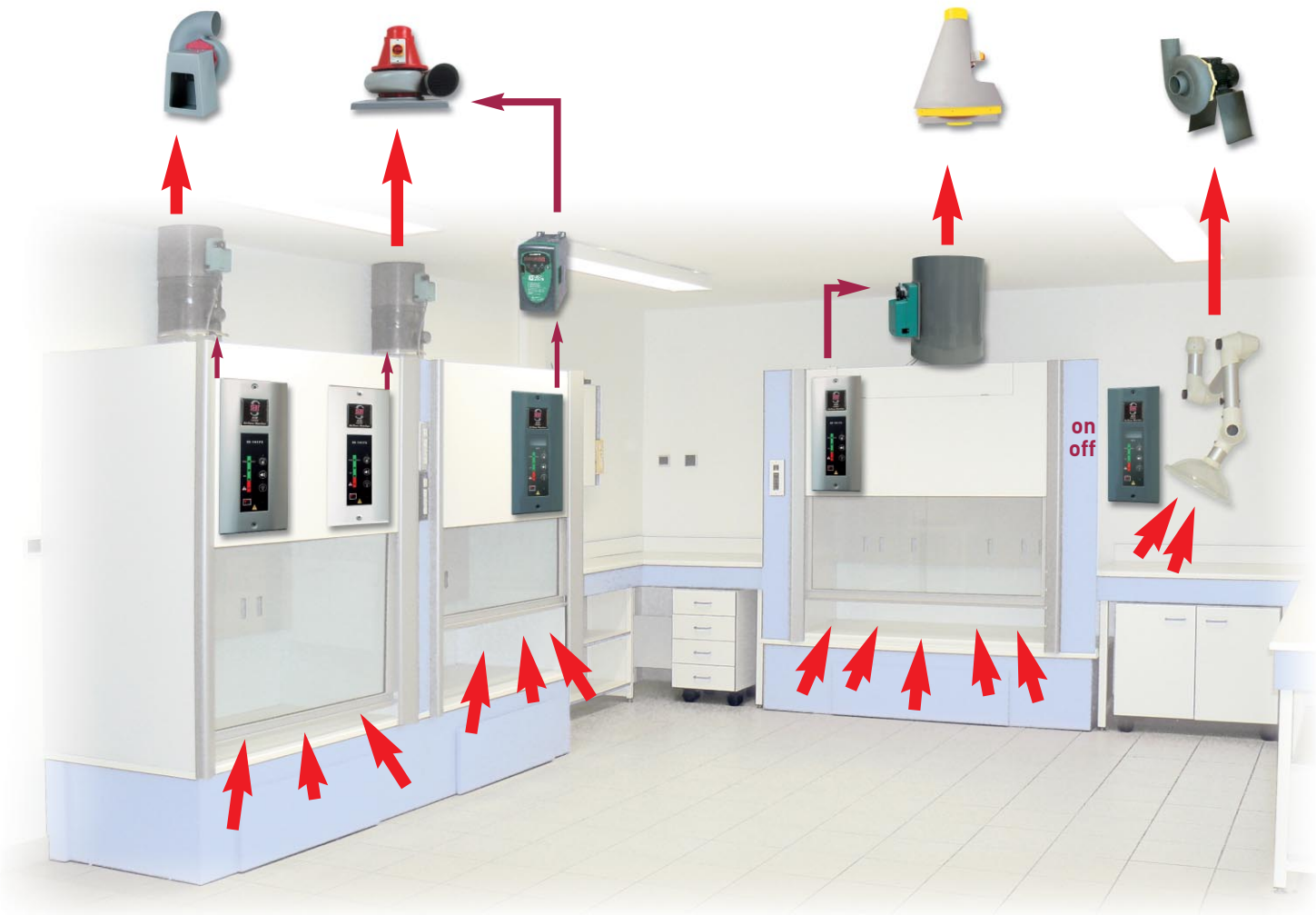
Fume hood automatic regulation



The SEAT tests laboratory

Our ventilation specialists, members of European Committee for Standardization, propose you in our tests laboratory, trainings on:

- Ventilation
- European standards
- Control and safety of your laboratory



Our certifications available on

www.seat-ventilation.com

- ATEX declaration of conformity
- CETIAT laboratory
- Calibration and compliance certificate

www.seat-ventilation.com
info@seat-ventilation.com

www.seat-ventilation.com
info@seat-ventilation.com

Parc technologique Delta Sud - 09340 VERNIOLLE France
Tel.: + 33 (0)5 61 69 84 43 - Fax: + 33 (0)5 61 67 86 03
E-mail: info@seat-ventilation.com

www.seat-ventilation.com

CONTACT YOUR LOCAL REPRESENTATIVE:

vp.contact@free.fr - 11/2009