

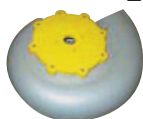
# SEAT

## Series

### Specifications

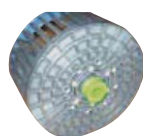


#### Housings: PP



Single block strong high density UV treated and recyclable polypropylene (PPH) with no welded joint. Reversible and rotatable 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



(1)



(2)



(3)

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

#### 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](http://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.

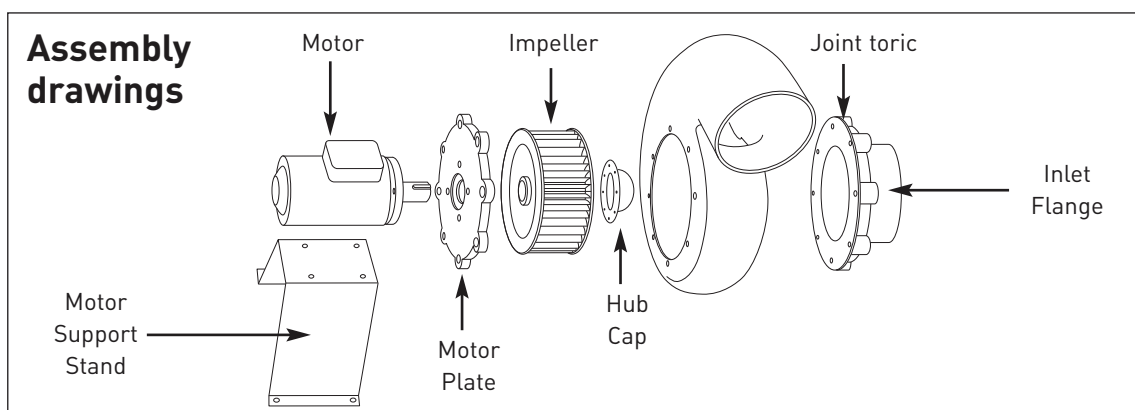
## Electrical data and weight\*

	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
SEAT 30	3000	3,00	230/400	10/3,6	25,70
	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

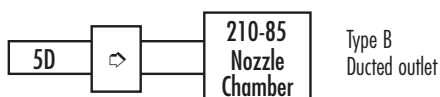
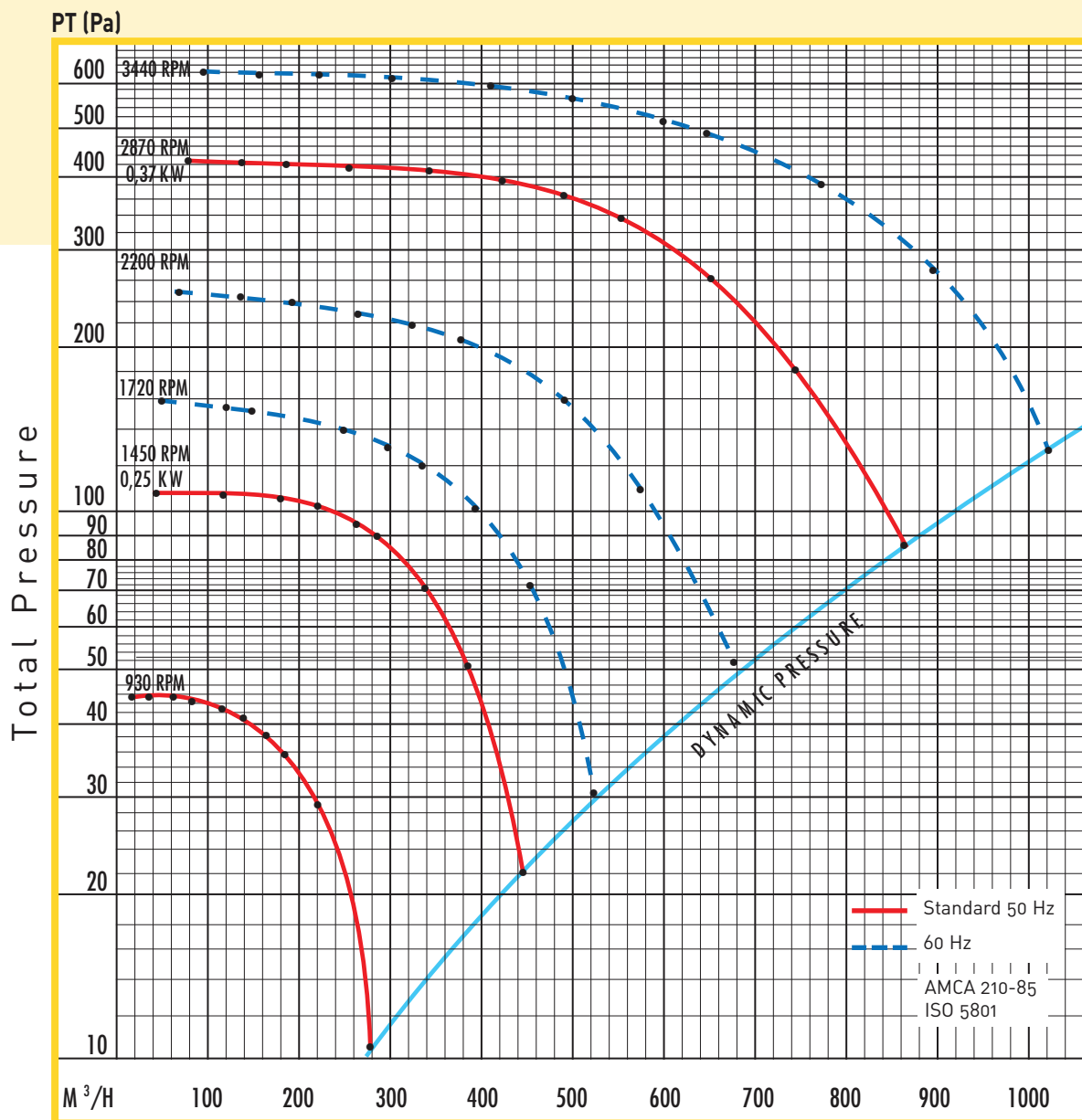
ATEX 					
SEAT 15 ATEX	1500	0,18	230/400	0,97/0,56	11,30
	3000	0,37	230/400	1,64/0,95	10,20
SEAT 20 ATEX	1500	0,18	230/400	0,97/0,56	9,70
	3000	0,75	230/400	3,3/1,9	13,20
SEAT 25 ATEX	1500	0,37	230/400	1,7/1,1	12,10
	3000	2,20	230/400	8/4,6	36,00
SEAT 30 ATEX	1500	1,10	230/400	4,4/2,55	27,15
SEAT 35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

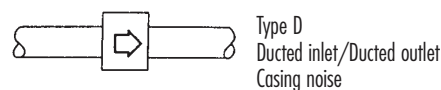


# SEAT 15

## SEAT Series

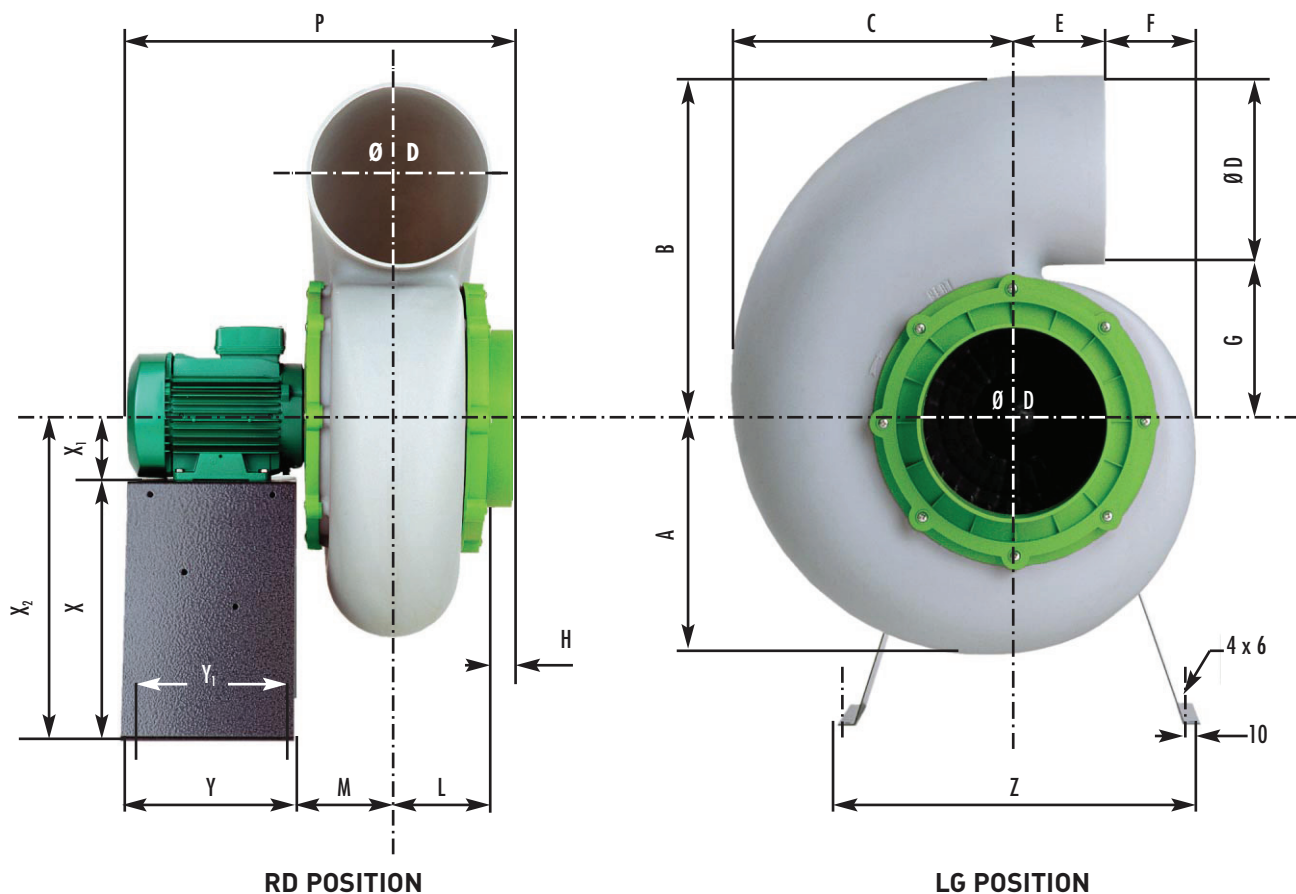


n (T/min) R.P.M.	dB (A)		dB	
1450	52	54	57	59
2870	70	71	72	74



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.



**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 <sub>1</sub>	Z	X	X <sub>1</sub>	X <sub>2</sub>
170	240	203	125	100	32	115	30	70	80	360	180	160	340	240	71	311

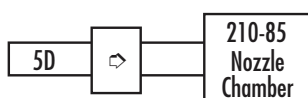
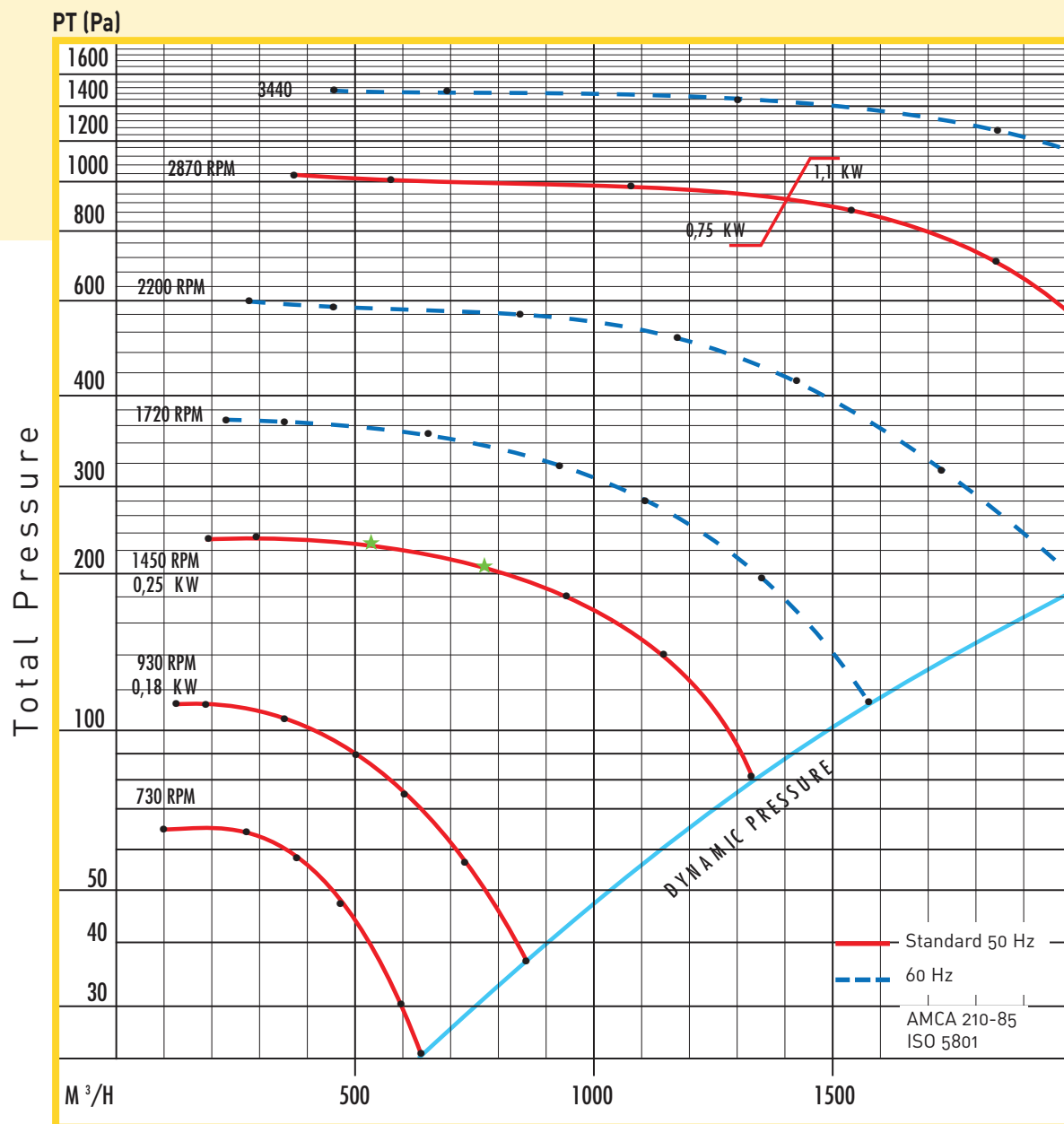
WARNING : for an enclosed pedestal mounting, X<sub>2</sub> = 370 mm.

**Handings are viewed from inlet side - 45 degree adjustable**

<b>LG 0</b>	<b>LG 45</b>	<b>LG 90</b>	<b>LG 135</b>	<b>LG 180</b>	<b>LG 225</b>	<b>LG 270</b>	<b>LG 315</b>
<b>RD 0</b>	<b>RD 45</b>	<b>RD 90</b>	<b>RD 135</b>	<b>RD 180</b>	<b>RD 225</b>	<b>RD 270</b>	<b>RD 315</b>

# SEAT 20

## SEAT Series



Type B  
Ducted outlet

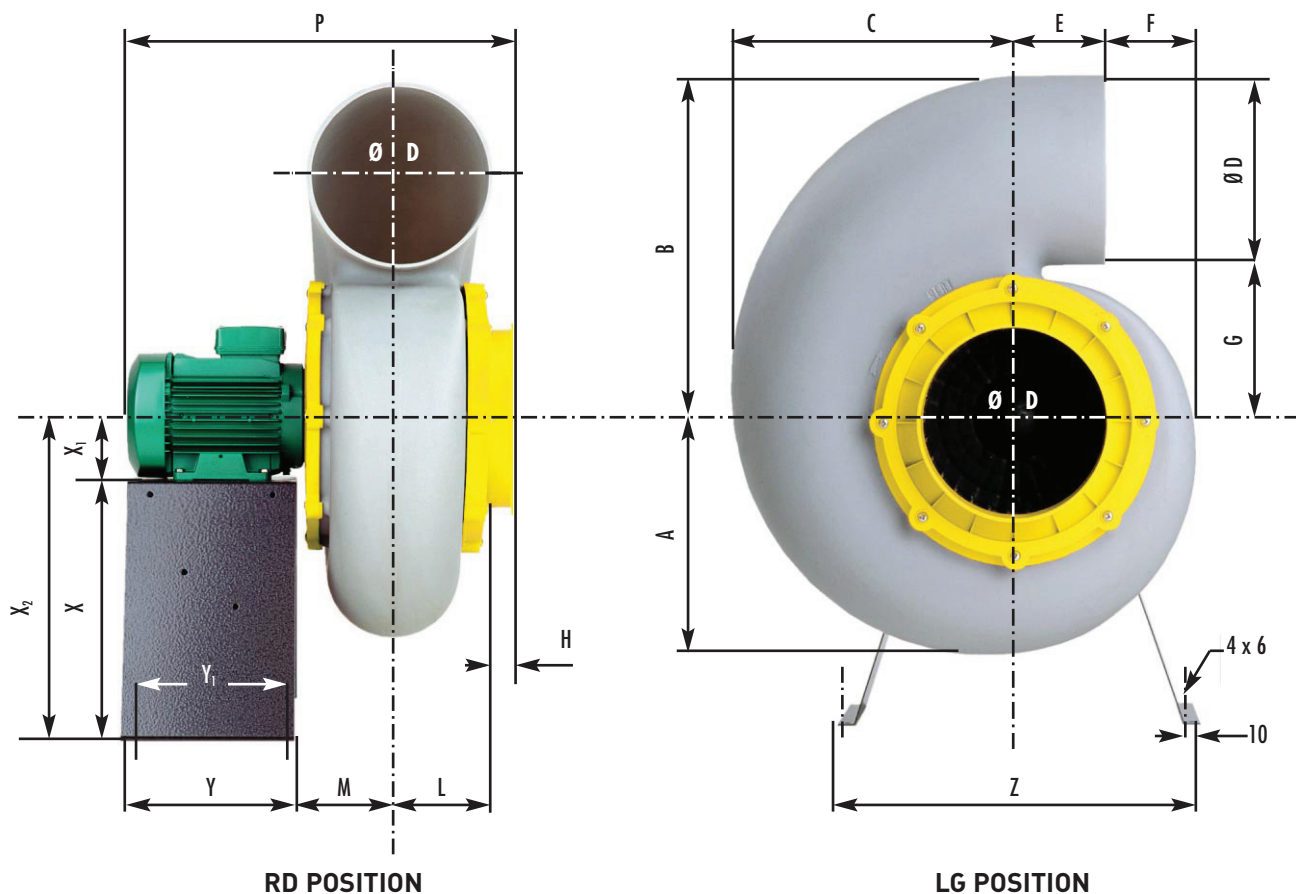
n (T/min) R.P.M.	dB(A)		dB	
950	53	54	61	62
★ 1450	65	66	70	71
2870	83	84	85	86



Type D  
Ducted inlet/Ducted outlet  
Casing noise

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.



Dimensional data (mm) - Metal stand does not come standard with fan (see accessories pricing).

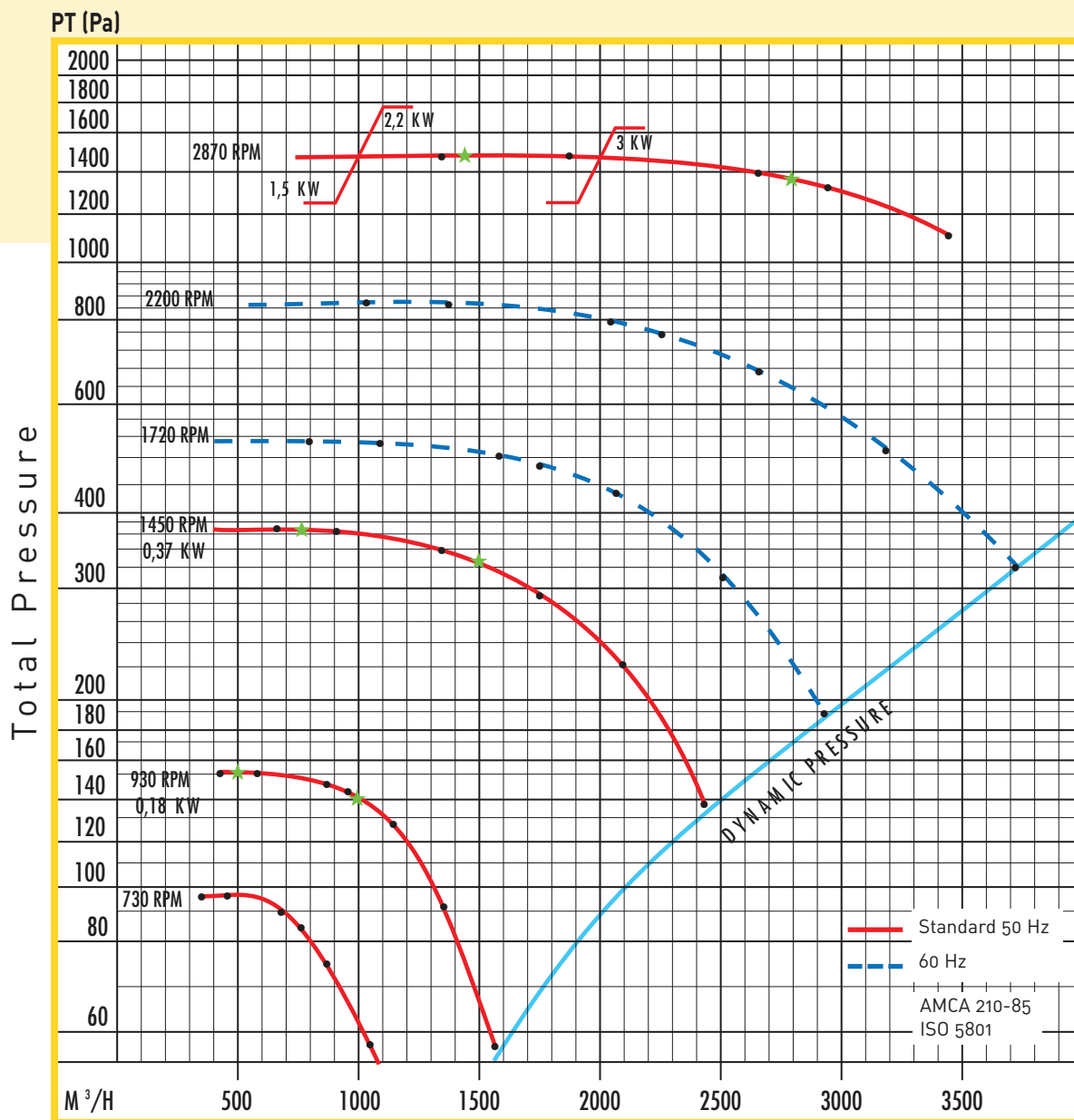
A	B	C	Ø D	E	F	G	H	L	M	P	Y	Y <sub>1</sub>	Z	X	X <sub>1</sub>	X <sub>2</sub>
208	303	240	160	100	57	143	32	84	94	390	180	160	340	240	71	311

WARNING : for an enclosed pedestal mounting, X<sub>2</sub> = 370 mm.

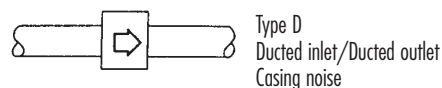
Handings are viewed from inlet side - 45 degree adjustable

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

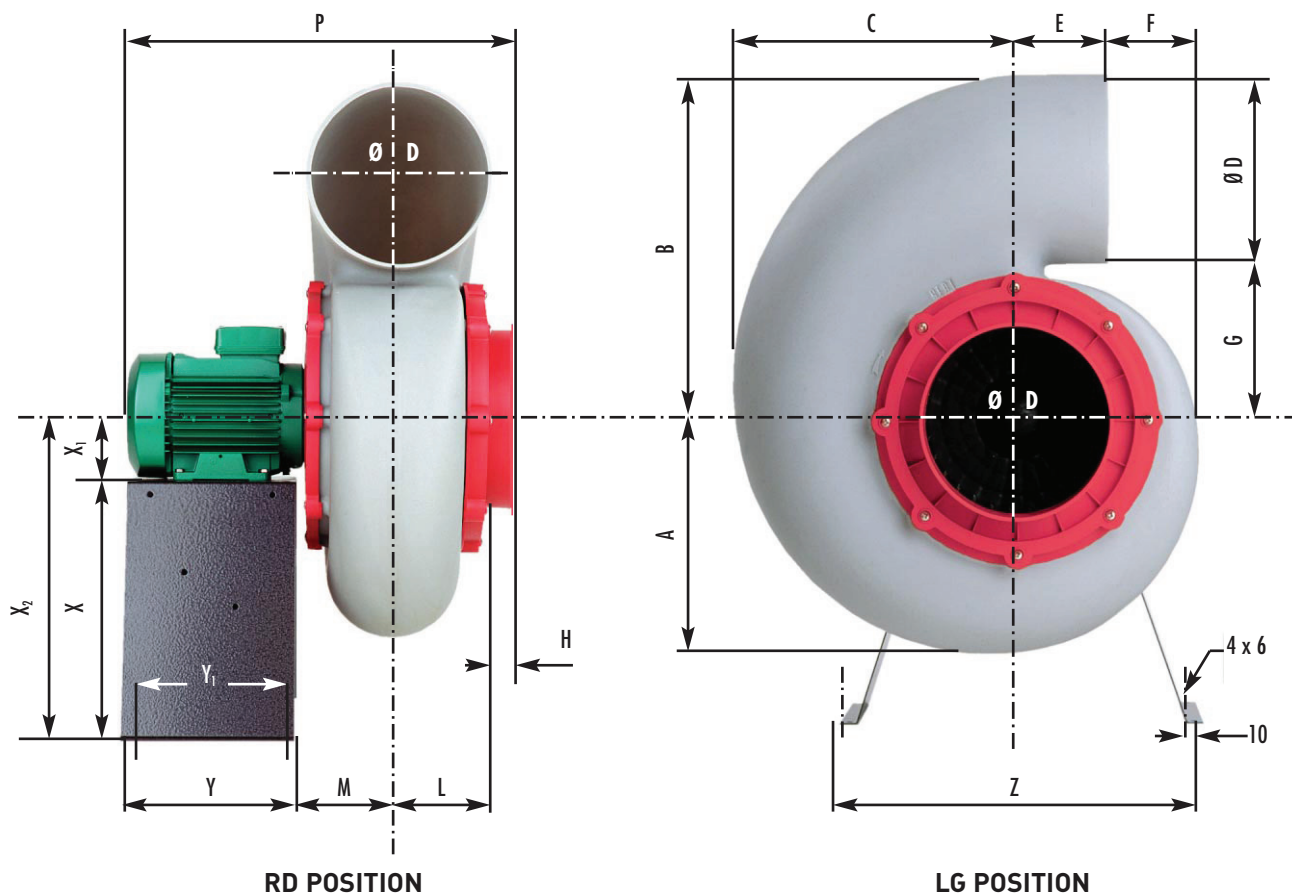


n (T/min) / R.P.M.	dB(A)		dB	
950	61	62	67	68
★ 1450	73	74	76	78
2870	87	88	89	89



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.



SEAT 25

**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.**

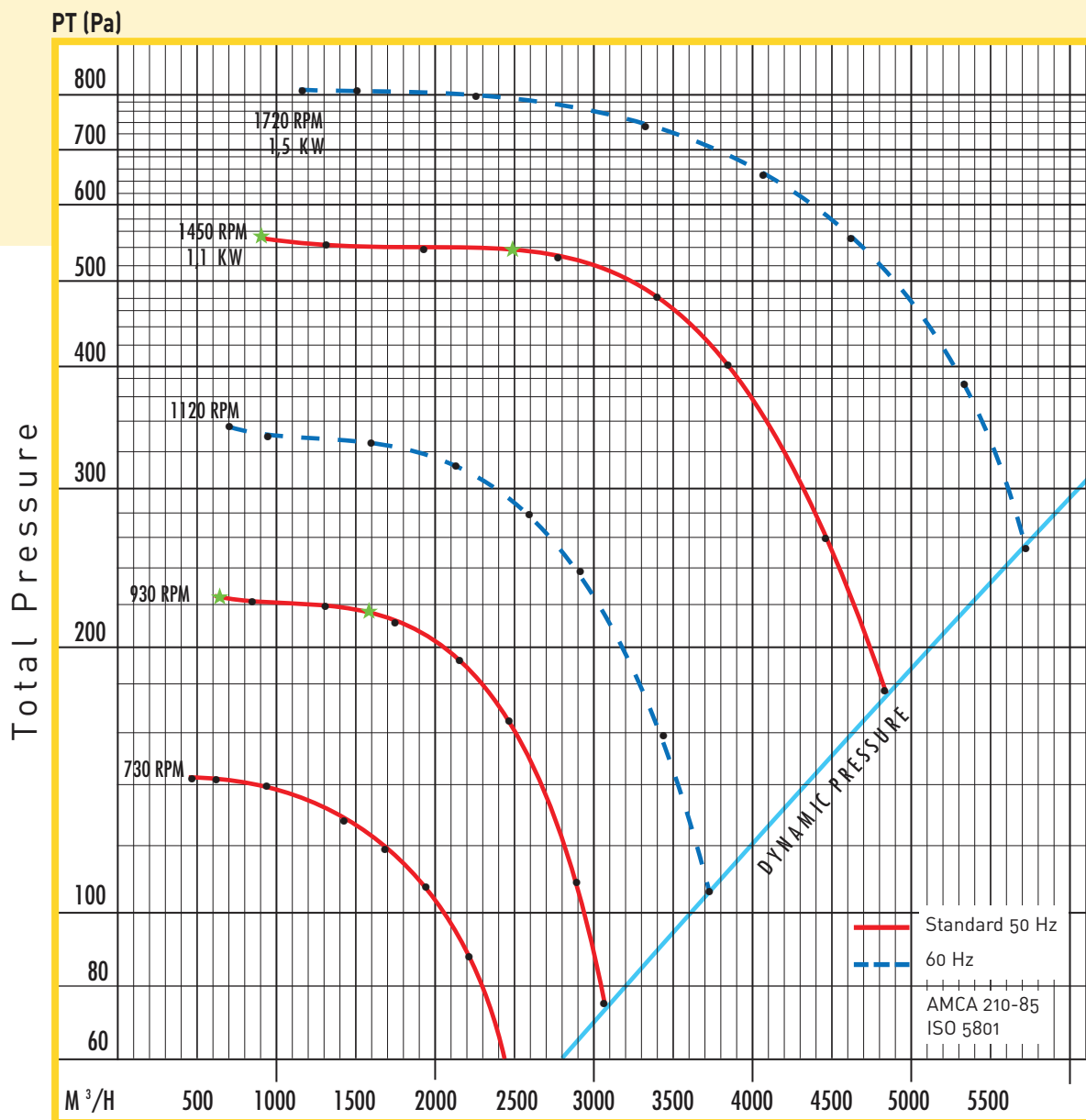
RPM	A	B	C	Ø D	E	F	G	H	L	M	P	Y	Y <sub>1</sub>	Z	X	X <sub>1</sub>	X <sub>2</sub>
930 / 1450	248	365	310	200	103	92	165	35	95	105	430	180	160	420	300	71	371
2870	248	365	310	200	103	92	165	35	95	105	515	180	160	420	300	90	390

**Handings are viewed from inlet side - 45 degree adjustable**

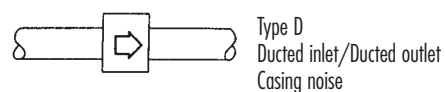
LG 0	LG 45	LG 90	LG 135	LG 180	LG 225	LG 270	LG 315
RD 0	RD 45	RD 90	RD 135	RD 180	RD 225	RD 270	RD 315



# SEAT 30

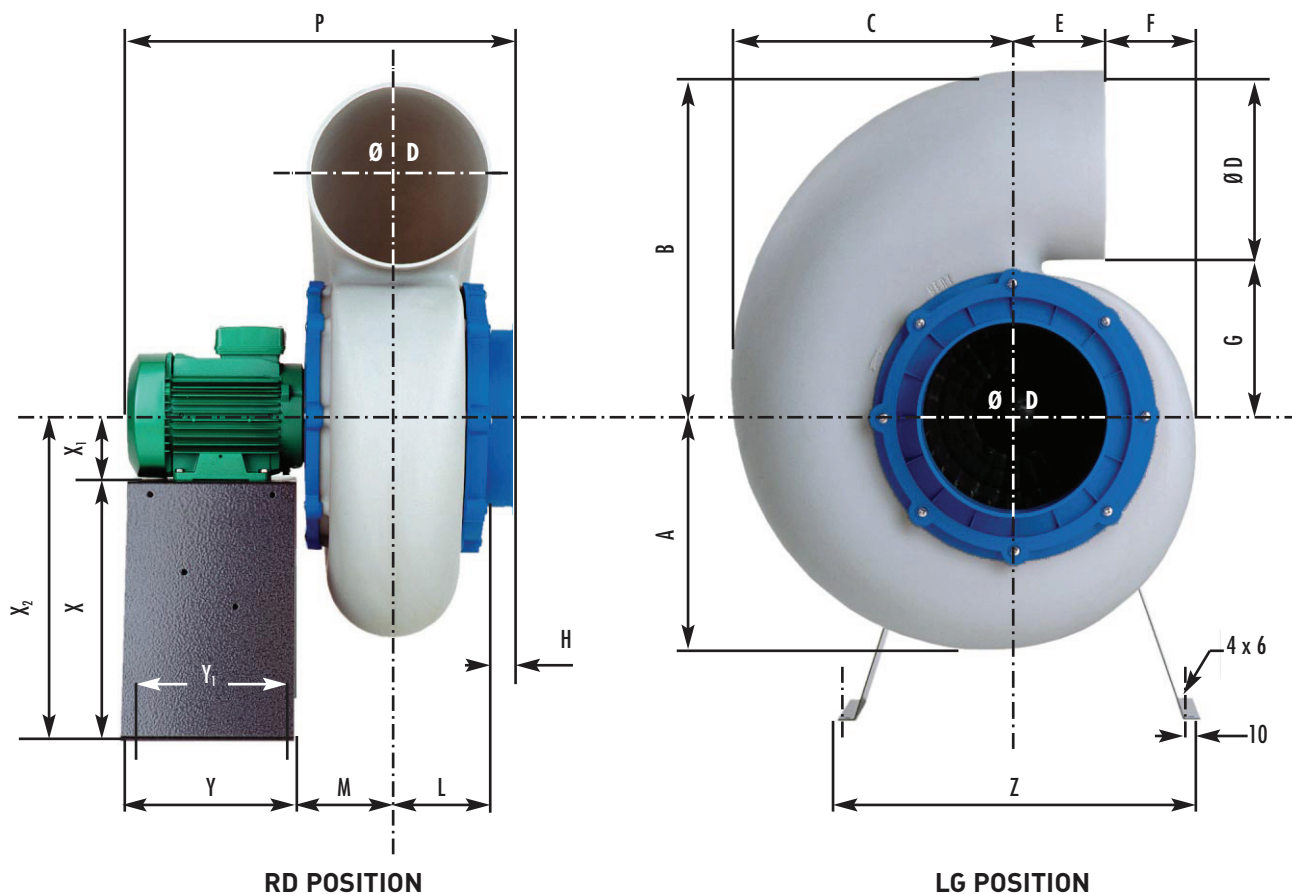


n (T/min) R.P.M.	dB(A)		dB	
715	59	61	67	68
950	66	68	73	74
★ 1450	78	78	82	83



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.



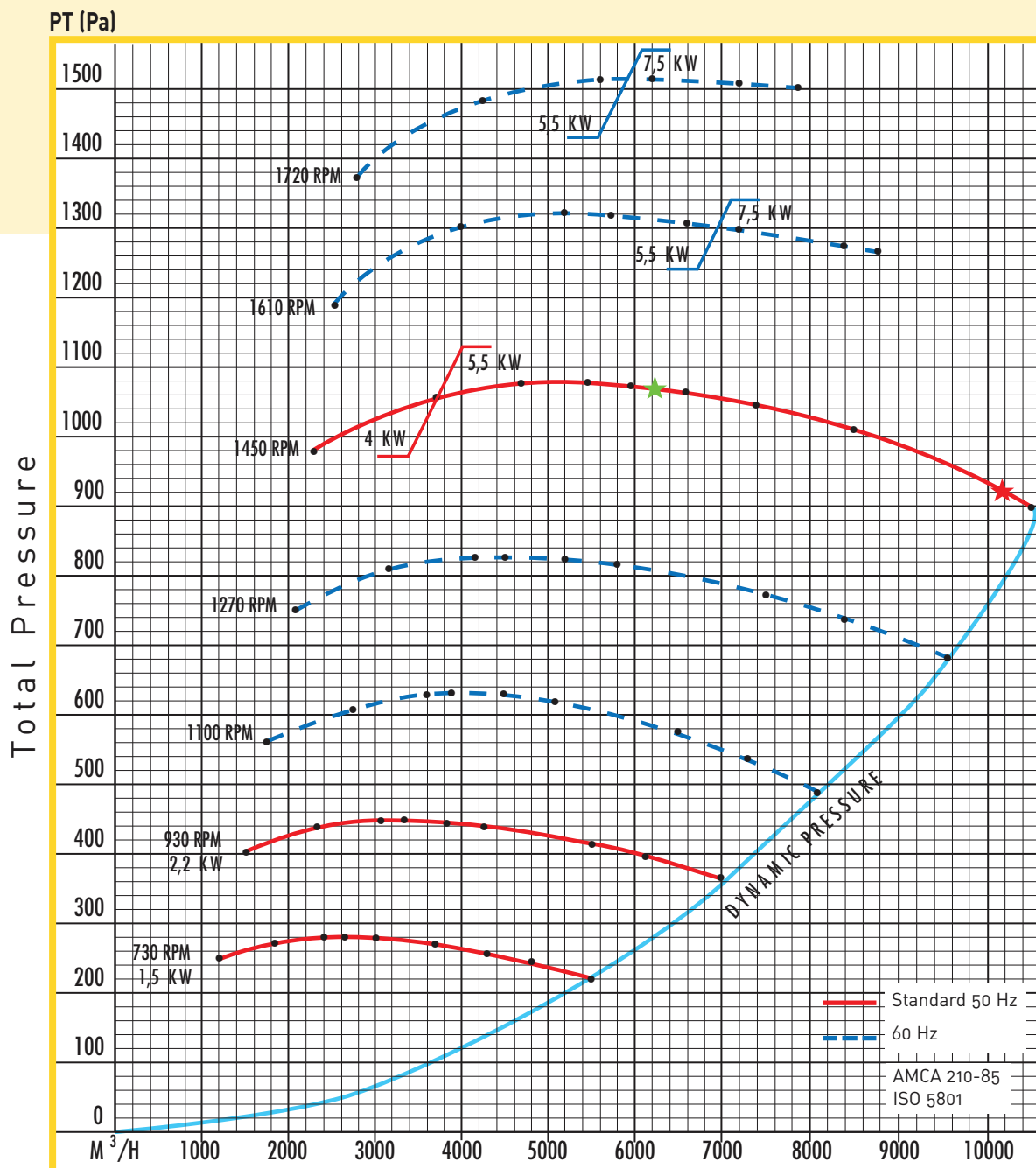
**Dimensional data (mm) - Metal stand does not come standard with fan (see accessories pricing).  
The motor frame size may vary upon type of motor used.**

RPM	A	B	C	Ø D	E	F	G	H	L	M	P	Y	Y <sub>1</sub>	Z	X	X <sub>1</sub>	X <sub>2</sub>
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

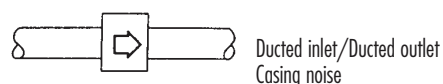
**Handings are viewed from inlet side - 45 degree adjustable**

<b>LG 0</b>	<b>LG 45</b>	<b>LG 90</b>	<b>LG 135</b>	<b>LG 180</b>	<b>LG 225</b>	<b>LG 270</b>	<b>LG 315</b>
<b>RD 0</b>	<b>RD 45</b>	<b>RD 90</b>	<b>RD 135</b>	<b>RD 180</b>	<b>RD 225</b>	<b>RD 270</b>	<b>RD 315</b>

# SEAT 35

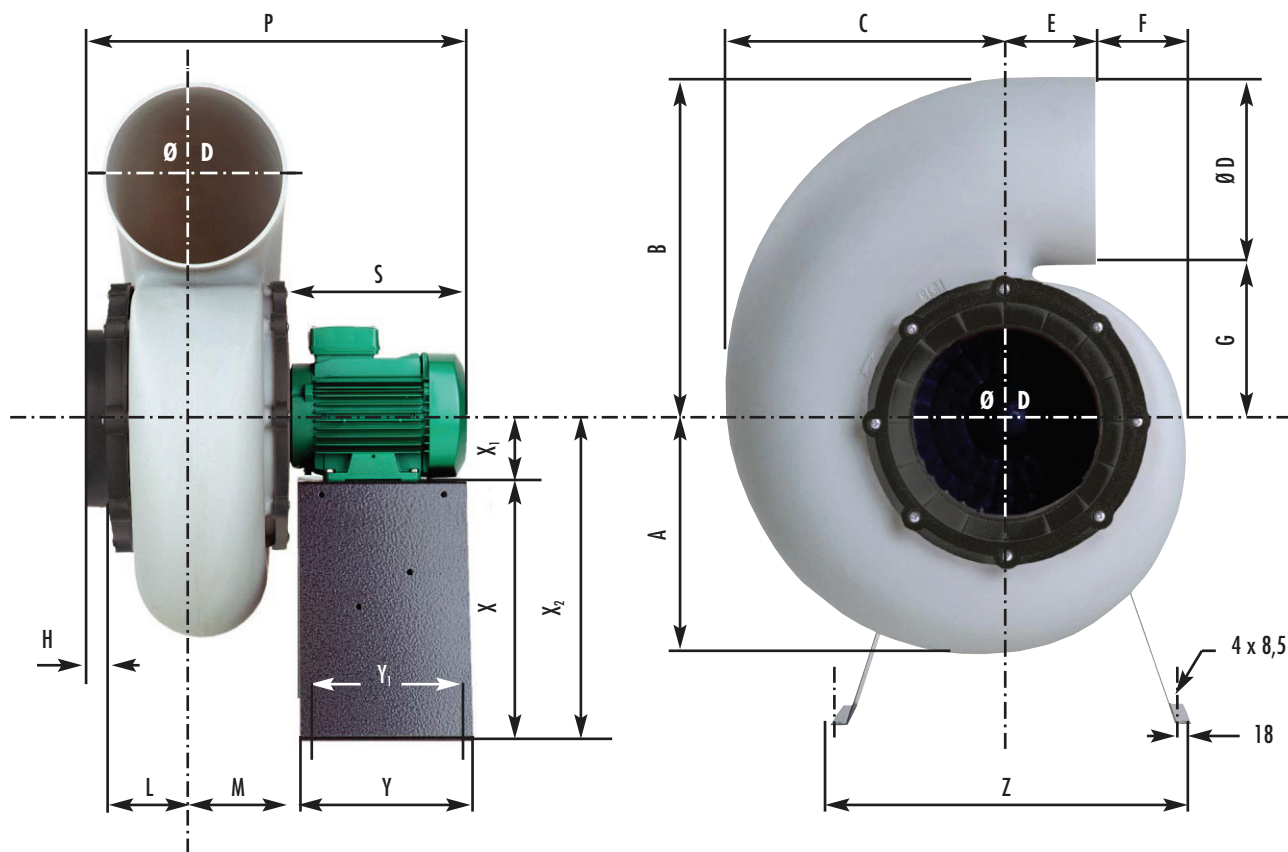


n (T/min) R.P.M.	★ dB(A)	★ dB(A)	dB lin	
730	67,8	78,2	76,1	83
950	74,1	84,4	82,2	89,4
1450	86	95,1	94,2	99,7
1720	90,7	100,4	98,1	104,4



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.

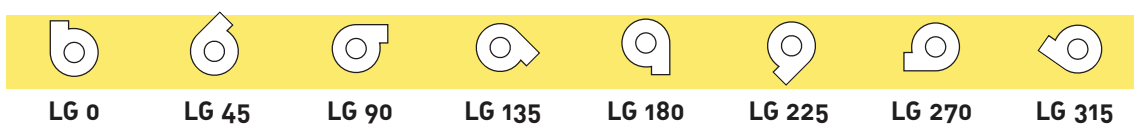


ONLY LG POSITION

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 <sub>1</sub>	Z	X	X <sub>1</sub>	X <sub>2</sub>
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

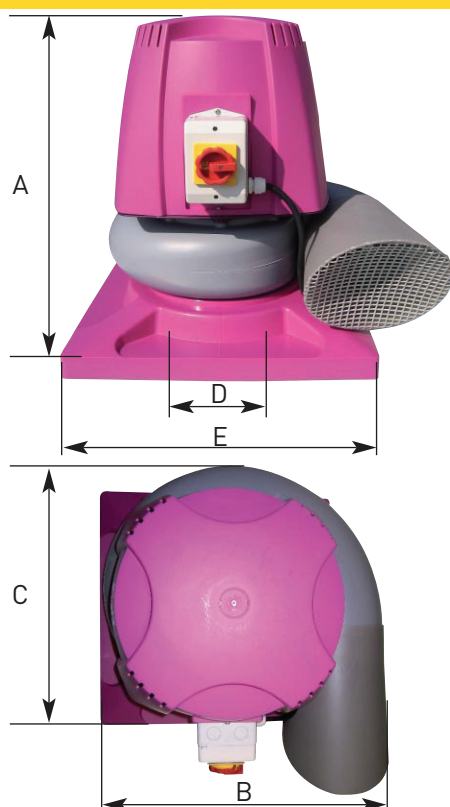


# Roof mounted SEAT Series

## Specifications

Roof mounted

### 1 - Roof unit kit



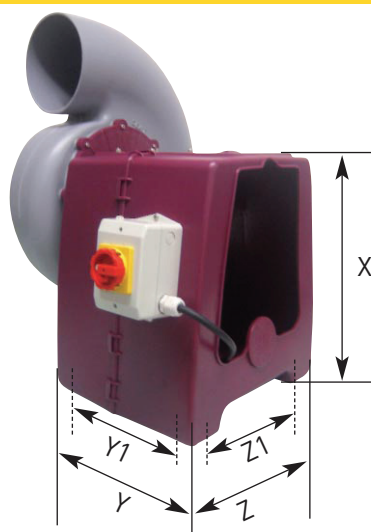
#### Roof unit kit includes:

1 Cap bracket  
1 Motor Cap  
1 Switcher  
1 Roof curb 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