

SEAT Series Specifications

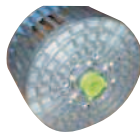


Housings: PP



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

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 one year after shipment. Warranty is void if damage results from improper wiring or installation.

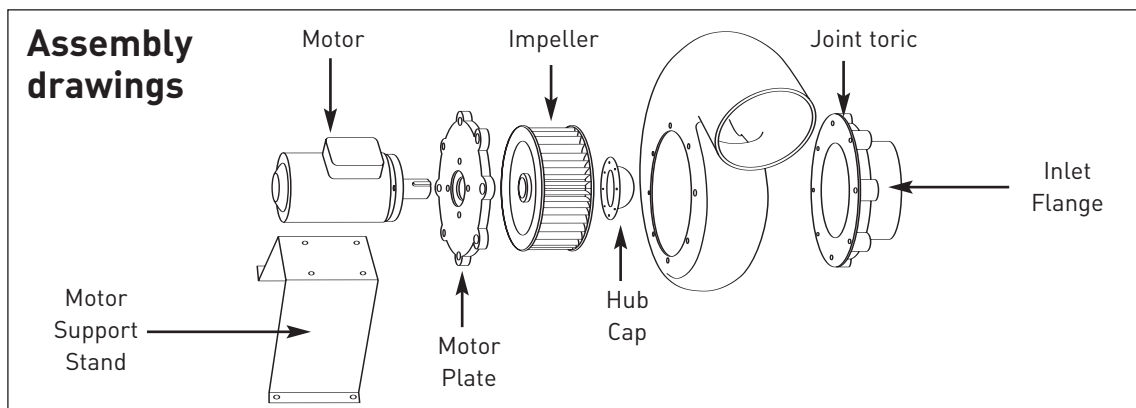
Electrical data and weight*

	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
SEAT 25	3000	1,10	230/400	4,7/2,7	15,70
	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
SEAT 30	3000	2,20	230/400	8,8/5,1	20,90
	3000	3,00	230/400	10/3,6	25,70
	1500	1,50	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	7,50	230/400	26,7/15,4	68,00

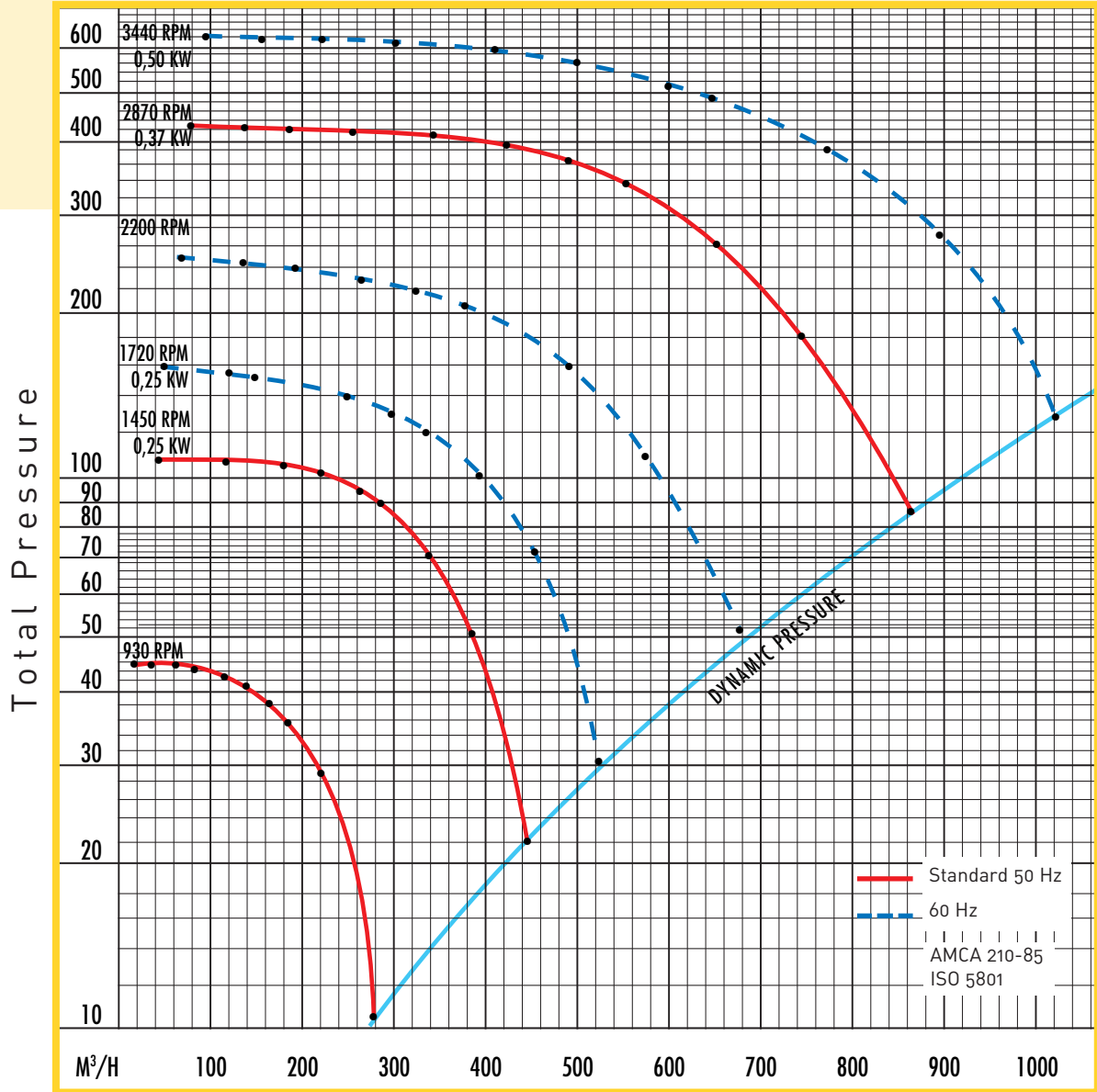
ATEX 					
SEAT 15 ATEX	1500	0,18	230/400	0,97/0,56	11,30
	3000	0,37	230/400	1,64/0,95	10,20
SEAT 20 ATEX	1500	0,18	230/400	0,97/0,56	9,70
	3000	0,75	230/400	3,3/1,9	13,20
SEAT 25 ATEX	1500	0,37	230/400	1,7/1,1	12,10
	3000	2,20	230/400	8/4,6	36,00
SEAT 30 ATEX	1500	1,10	230/400	4,4/2,55	27,15
SEAT 35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



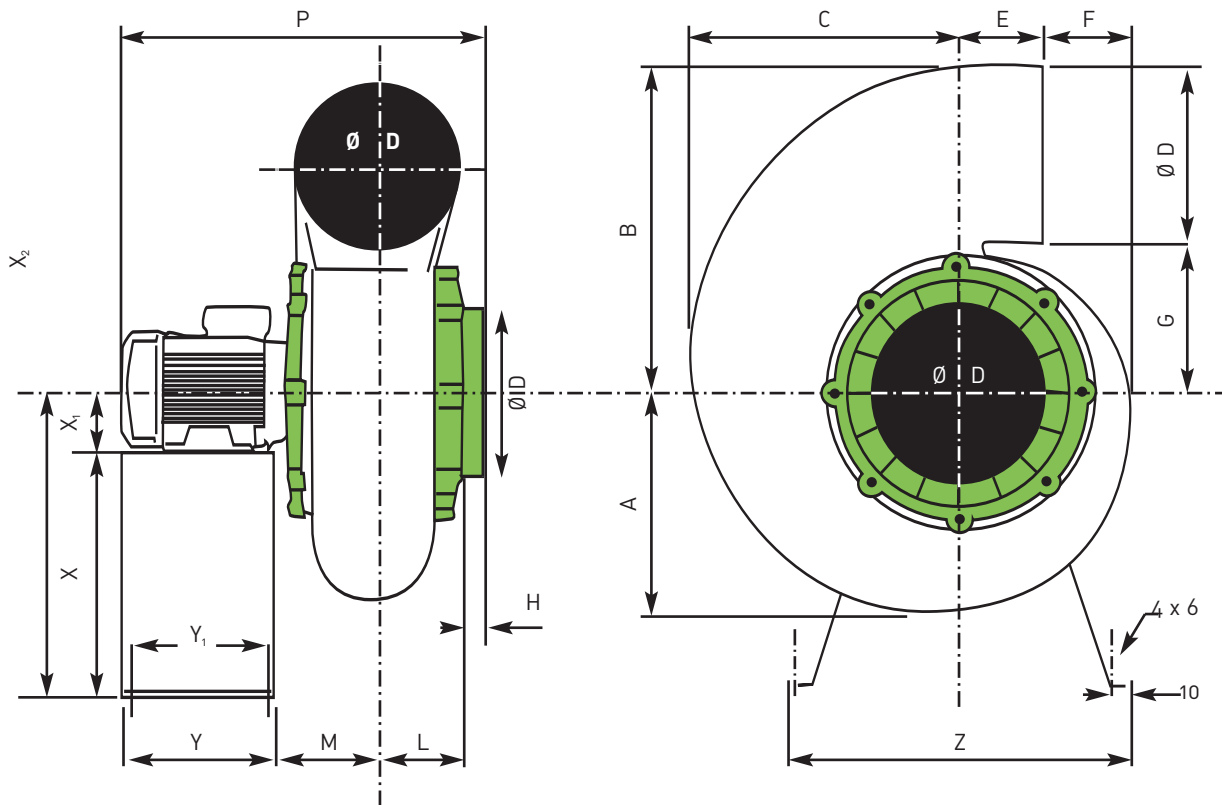
SEAT 15

PT (Pa)



Sound Level

Type	RPM	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	LW Global dB(A)
SEAT 15	1450/4 poles	43	51	54	54	57	50	44	35	44
	2850/2 poles	52	64	67	65	74	64	58	50	59



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

A	B	C	$\emptyset D$	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

Handings are viewed from inlet side - 45 degree adjustable



LG 0



LG 45



LG 90



LG 135



LG 180



LG 225



LG 270



LG 135



RD 0



RD 45



RD 90



RD 135



RD 180



RD 225



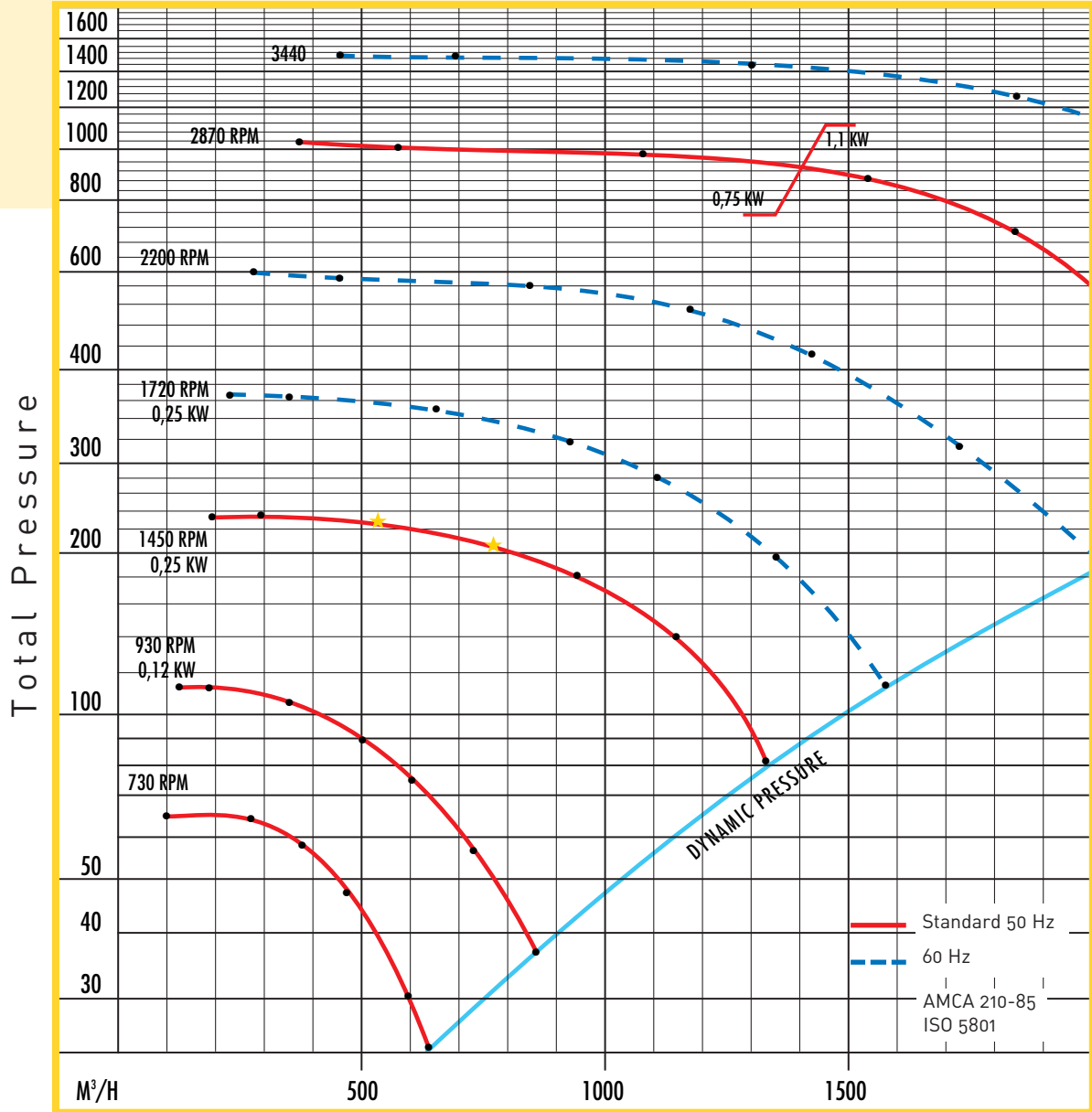
RD 270



RD 135

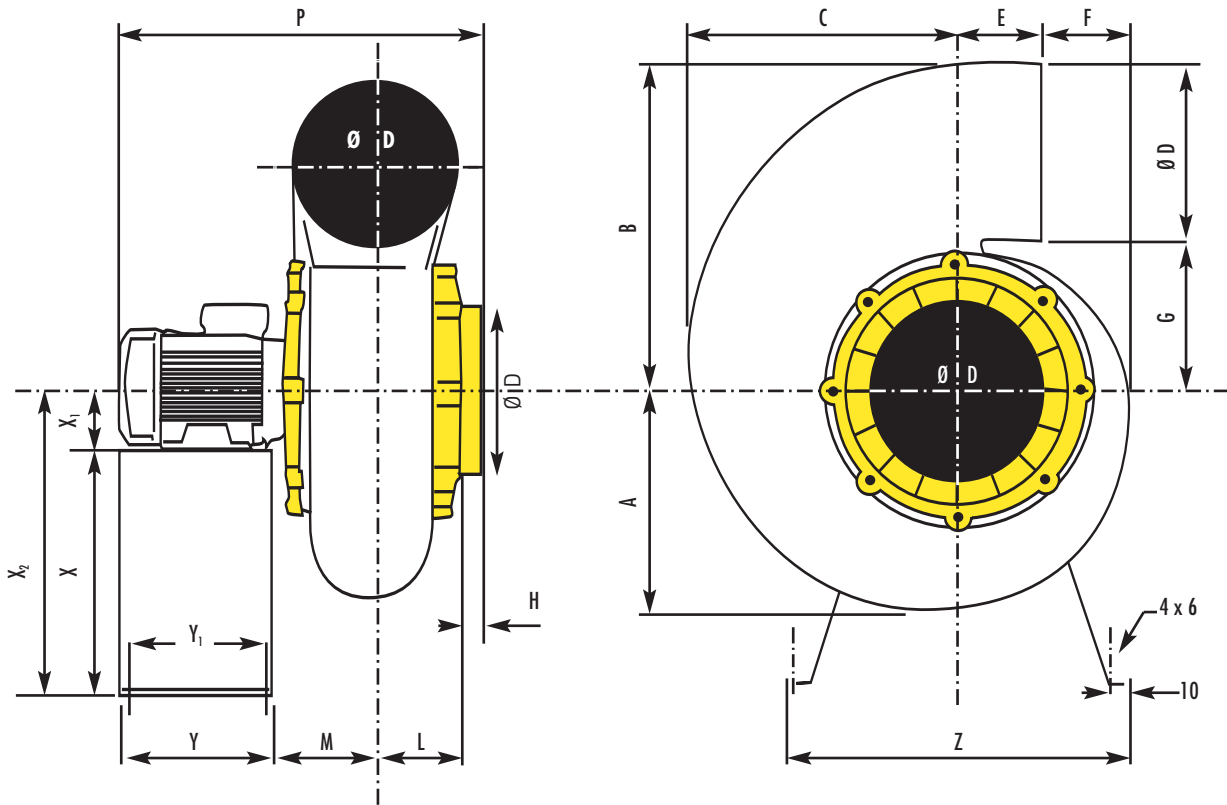
SEAT 20

PT (Pa)



Sound Level

Type	RPM	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	LW Global dB(A)
SEAT 20	950/6 poles	36	48	51	48	56	45	37	27	41
	1450/4 poles	42	57	60	57	66	54	47	39	51
	2850/2 poles	51	71	74	68	85	69	62	56	69



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

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

Handings are viewed from inlet side - 45 degree adjustable



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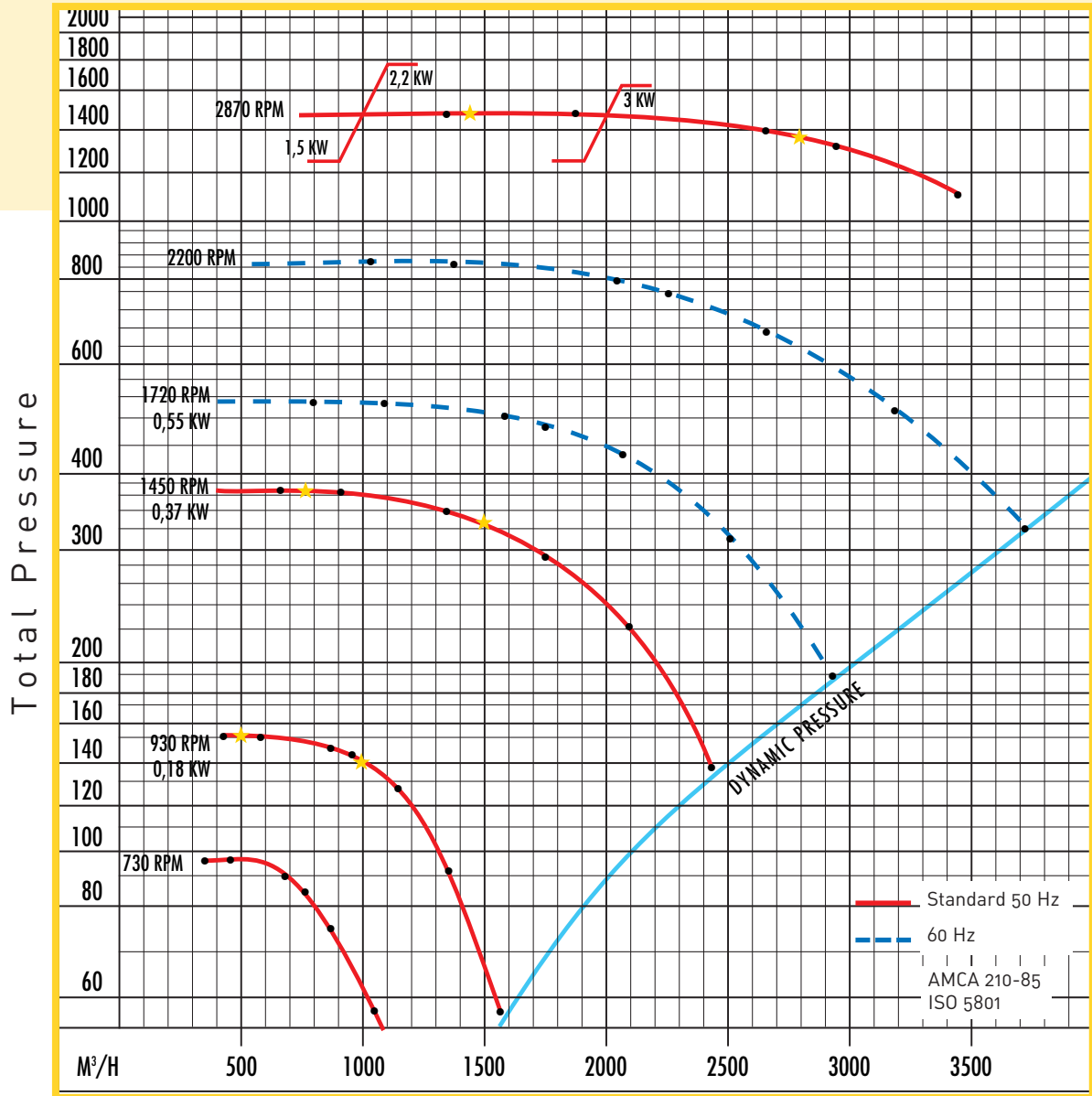
RD 270



RD 135

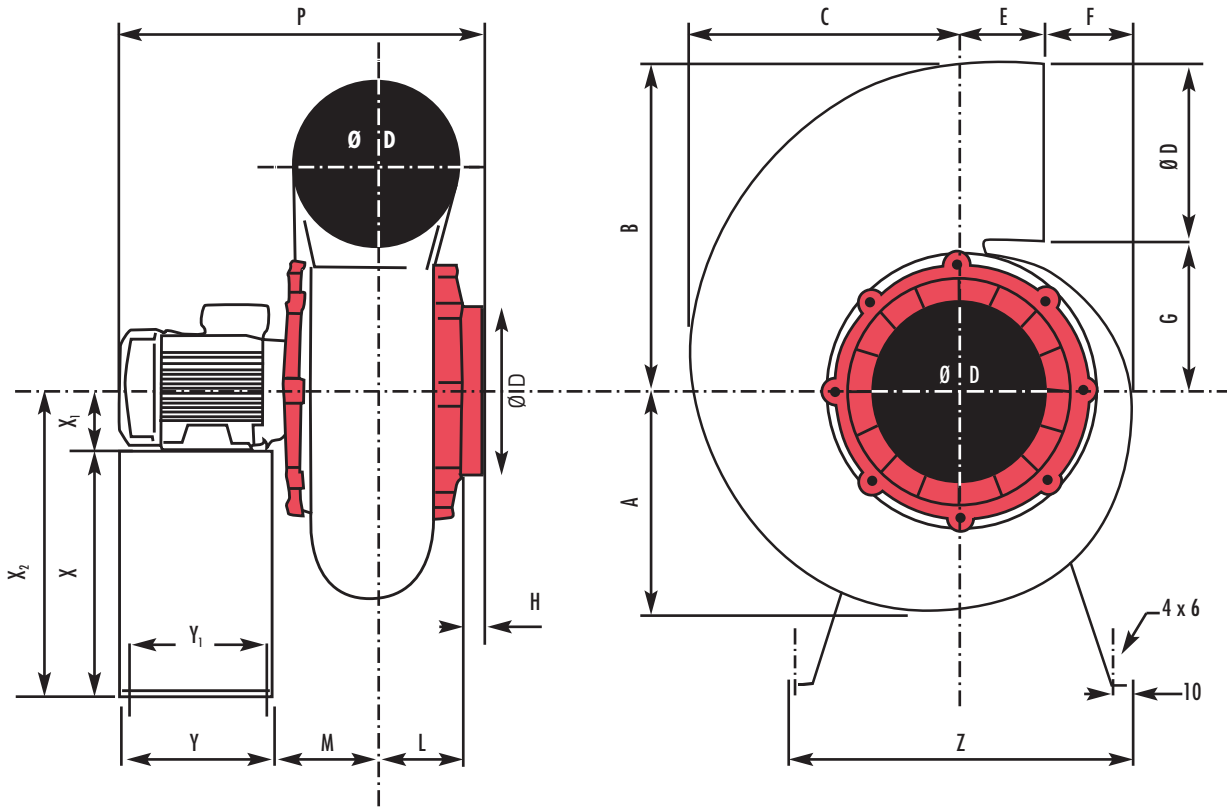
SEAT 25

PT (Pa)



Sound Level

Type	RPM	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	LW Global dB(A)
SEAT 25	950/6 poles	43	57	54	53	56	46	41	32	44
	1450/4 poles				62	66	55	52	46	54
	2850/6 poles	62	84	78	74	85	70	68	66	71



**Dimensional data (mm) - Metal stand does not come standard with fan (see accessories pricing).
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 135



RD 0



RD 45



RD 90



RD 135



RD 180



RD 225



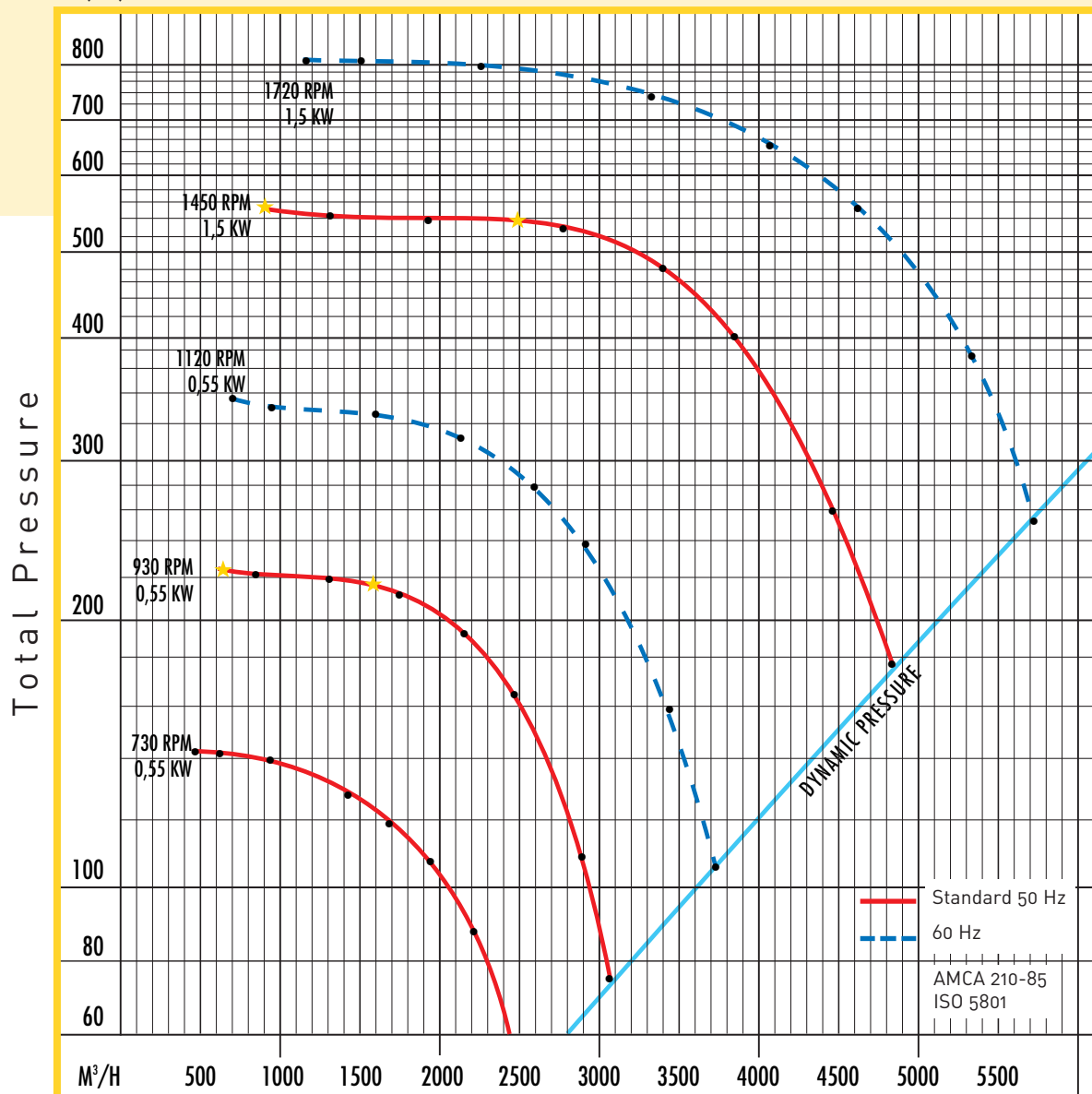
RD 270



RD 135

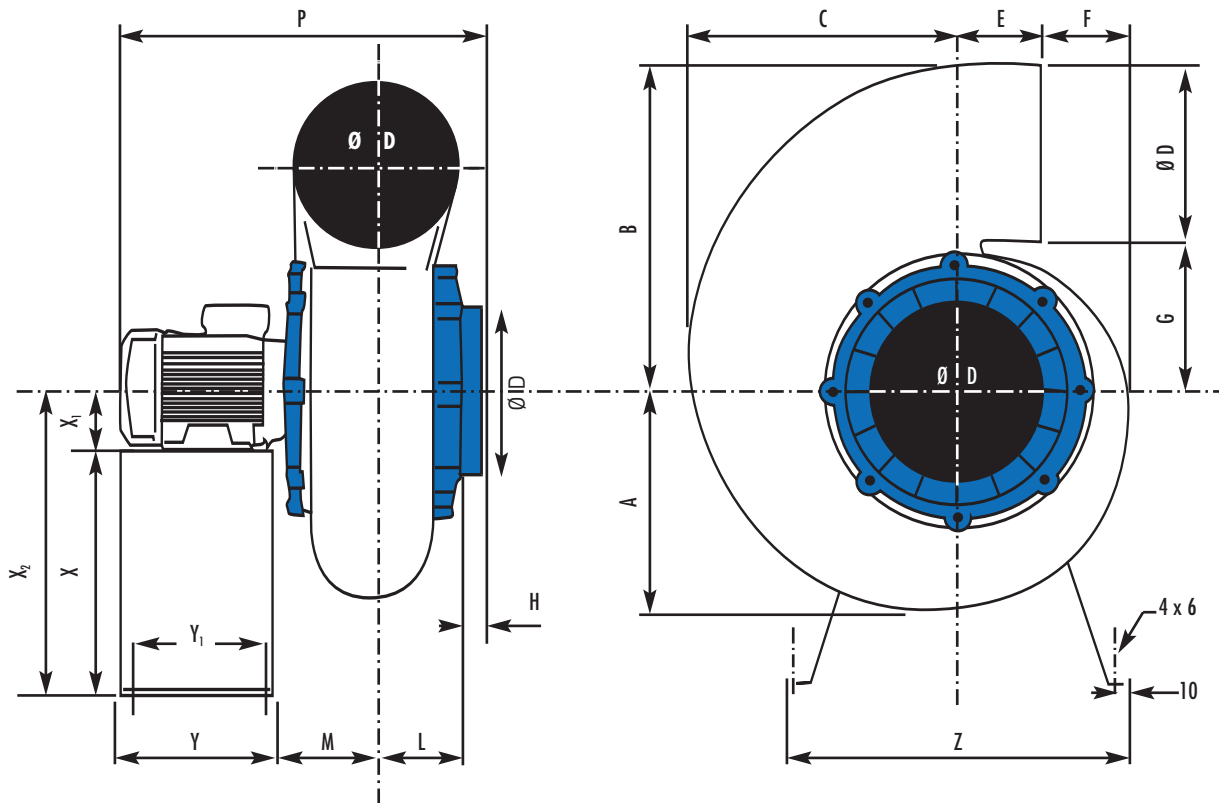
SEAT 30

PT (Pa)



Sound Level

Type	RPM	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	LW Global dB(A)
SEAT 30	950/6 poles	58	59	52	48	45	42	37	29	45
	1450/4 poles	68	69	61	56	53	50	47	42	55



**Dimensional data (mm) - Metal stand does not come standard with fan (see accessories pricing).
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 135



RD 0



RD 45



RD 90



RD 135



RD 180



RD 225



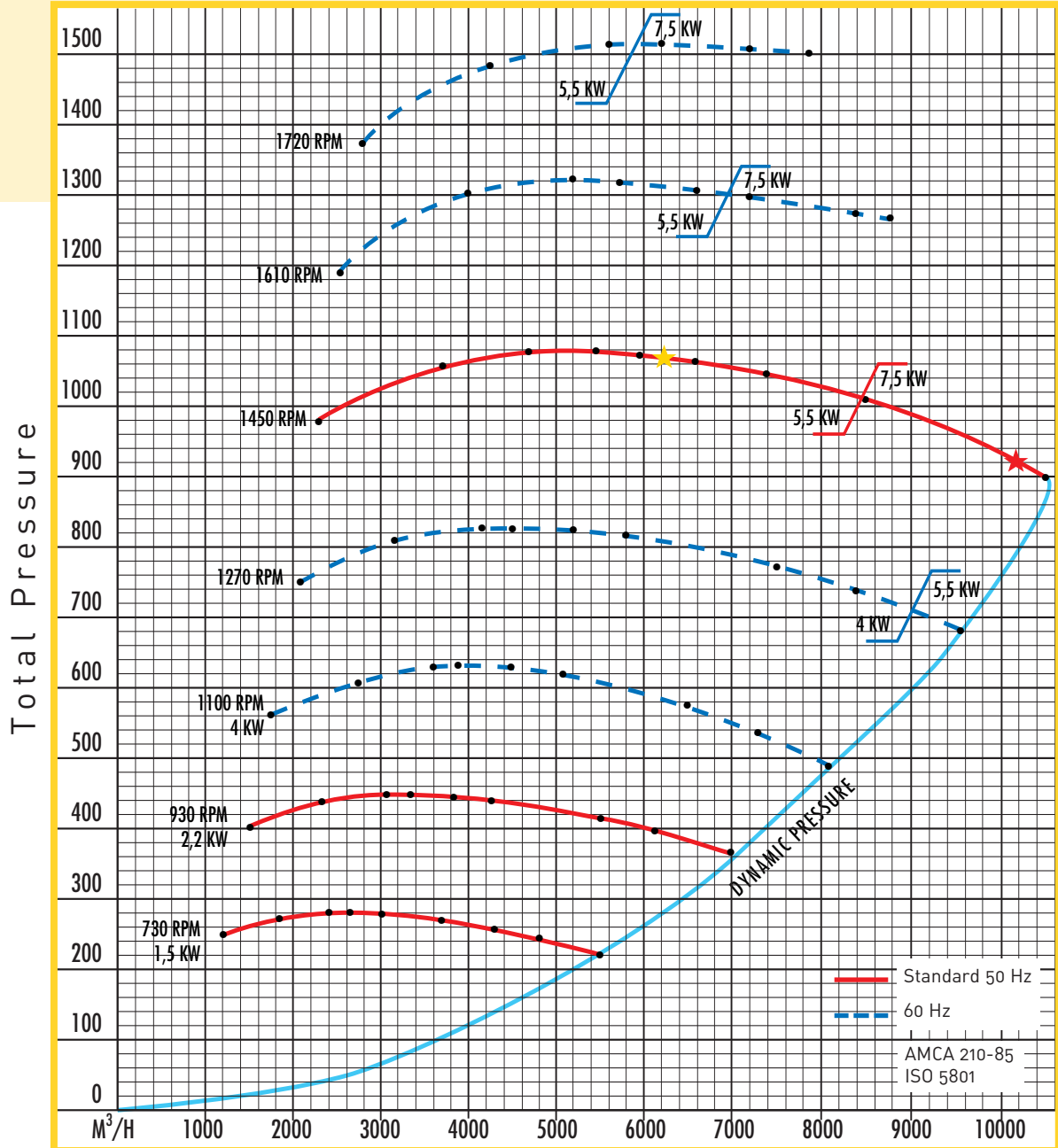
RD 270



RD 135

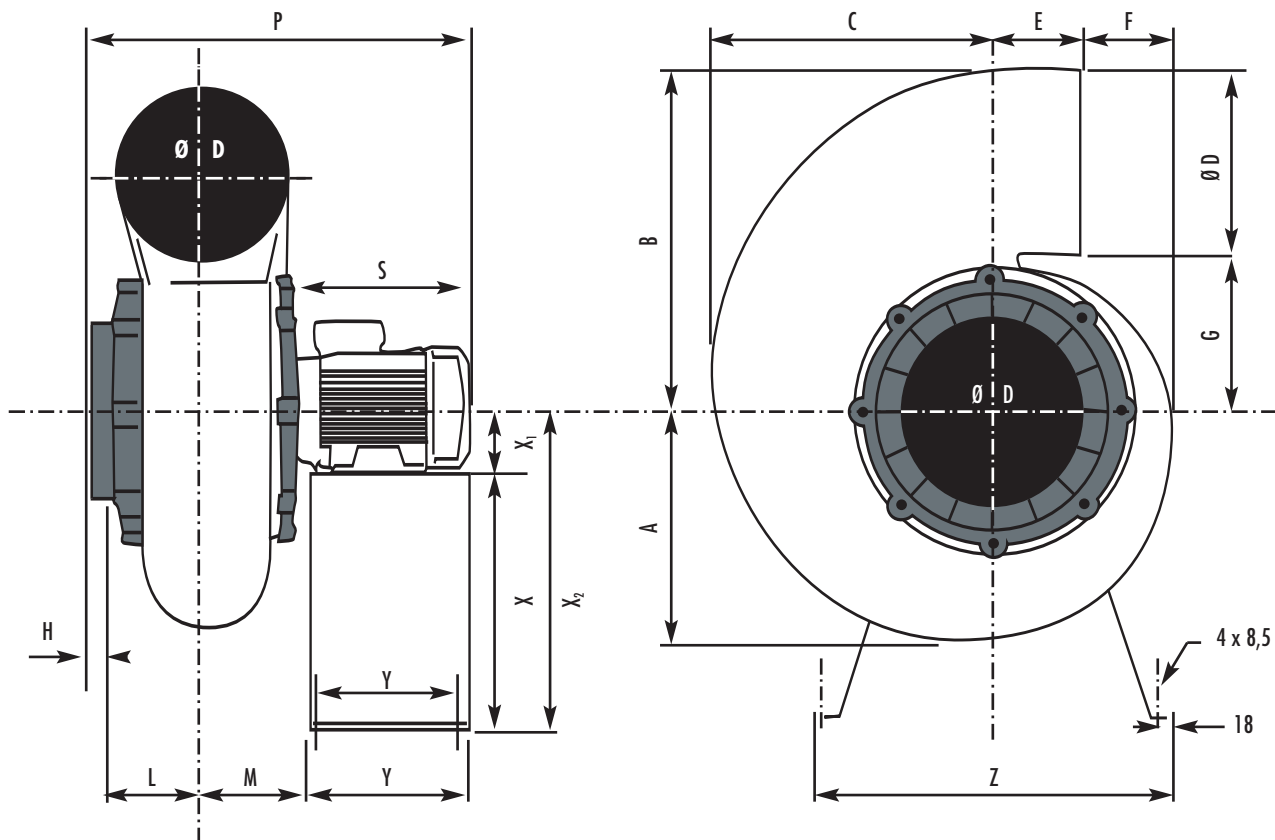
SEAT 35

PT (Pa)



Sound Level

Type	RPM	50 Hz	100 Hz	250 Hz	500 Hz	1000 Hz	2500 Hz	5000 Hz	10000 Hz	LW Global dB
SEAT 35	1450/4 poles	68,1	65,7	68,2	68	67,4	66,7	66,8	50,3	82,4



**Dimensional data (mm) - Metal stand does not come standard with fan (see accessories pricing).
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	370	570	450	315	130	170	255	60	150	170	822	432	350	314	600	468	112	580

Handings are viewed from inlet inside — 45 degree adjustable



LG 0



LG 45



LG 90



LG 135



LG 180



LG 225



LG 270

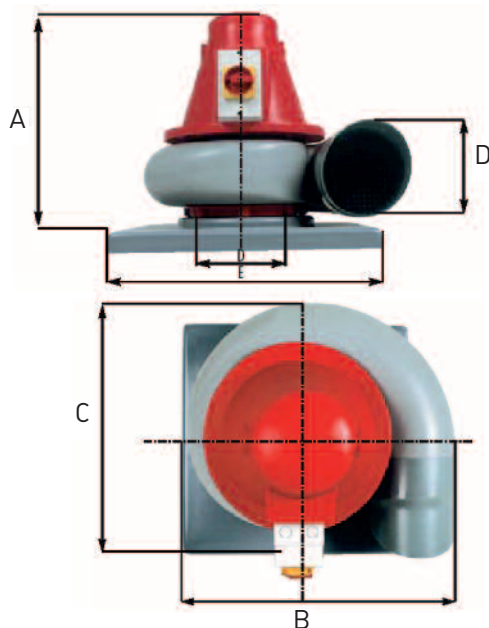


LG 135

Roof mounted SEAT Series

Specifications

1 - Roof unit kit



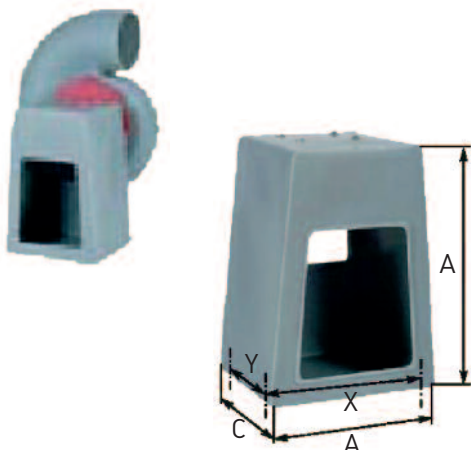
Roof unit kit includes:

- 1 Motor Cap
- 1 Switcher
- 1 Roof curbe bare
- 1 Exhaust Guard

Dimensions (mm)

	A	B	C	D	E
SEAT 15	460	590	555	160	547/547 int.
SEAT 20	460	590	555	160	547/547 int.
SEAT 25	500	640	590	200	547/547 int.
SEAT 30	600	750	650	250	547/547 int.
SEAT 35	880	950	850	315	700/700 int.

2 - Enclosed pedestal

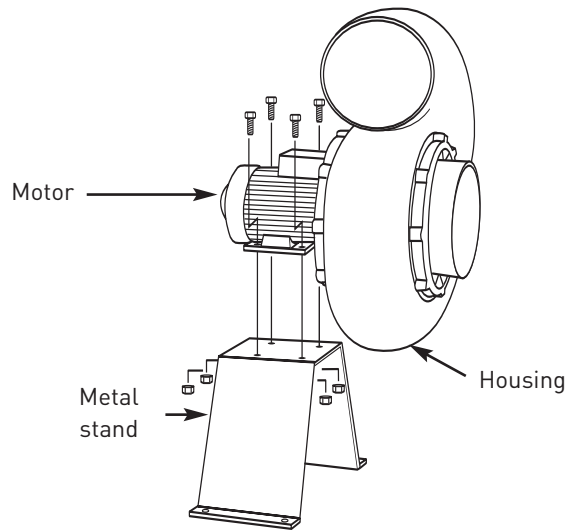


Dimensions (mm)

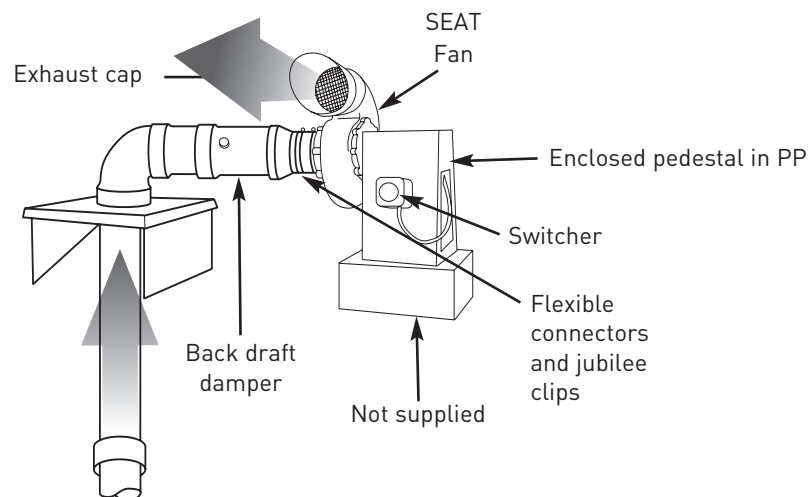
Fan	Type	A	B	C	X	Y
SEAT 15/20 STORM 12	350	395	320	260	250	200
SEAT 25 STORM 14	450	450	330	260	260	200
SEAT 25 2 P, SEAT 30 STORM 16	550	550	400	365	330	300
SEAT 35	700	715	585	505	520	430

Installation principles

Metal stand



Enclosed pedestal



Roof unit

