

# 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.



(1)



(2)

## Motor Support

Several options: no stand, metal stand constructed of epoxy coated sheet metal<sup>(1)</sup>, polypropylene motor pedestal<sup>(2)</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 60°C.

## Performance

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

## Electrical data and weight\*

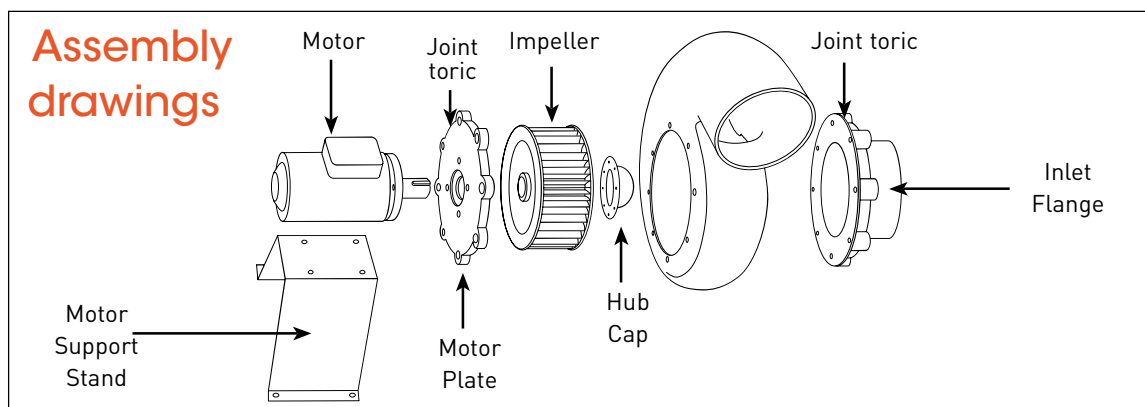
|              | RPM<br>(T/min) | (kW) | (V) | AMP draw<br>(A) | Weight<br>(Kgs) | Reference |
|--------------|----------------|------|-----|-----------------|-----------------|-----------|
| Single phase |                |      |     |                 |                 |           |
| SEAT 15      | 1500           | 0,25 | 230 | 2,5             | 8,30            | 51152010  |
|              | 3000           | 0,37 | 230 | 3,1             | 8,10            | 51153010  |
| SEAT 20      | 1500           | 0,25 | 230 | 2,5             | 9,00            | 51202010  |
|              | 3000           | 0,75 | 230 | 5,4             | 10,50           | 51203010  |
| SEAT 25      | 1500           | 0,37 | 230 | 3,1             | 11,90           | 51252010  |
| SEAT 30      | 1500           | 1,10 | 230 | 9,7             | 13,90           | 51302010  |

|             |      |      |         |           |        |          |
|-------------|------|------|---------|-----------|--------|----------|
| Three Phase |      |      |         |           |        |          |
| SEAT 15     | 1000 | 0,18 | 230/400 | 1,5/0,85  | 8,30   | 51151000 |
|             | 1500 | 0,25 | 230/400 | 1,3/0,75  | 7,70   | 51152000 |
|             | 3000 | 0,37 | 230/400 | 1,7/1,00  | 8,00   | 51153000 |
| SEAT 20     | 1000 | 0,18 | 230/400 | 1,5/0,85  | 9,70   | 51201000 |
|             | 1500 | 0,25 | 230/400 | 1,3/0,75  | 9,00   | 51202000 |
|             | 3000 | 0,75 | 230/400 | 3,2/1,9   | 11,40  | 51203000 |
| SEAT 25     | 1000 | 1,10 | 230/400 | 4,7/2,7   | 15,90  | 51203001 |
|             | 1500 | 0,18 | 230/400 | 1,5/0,85  | 11,40  | 51251000 |
|             | 1500 | 0,37 | 230/400 | 2,1/1,2   | 11,50  | 51252000 |
| SEAT 25     | 1500 | 0,55 | 230/400 | 3/1,8     | 12,30  | 51252055 |
|             | 3000 | 1,50 | 230/400 | 5,9/3,4   | 22,10  | 51253001 |
|             | 3000 | 2,20 | 230/400 | 8,8/5,1   | 23,90  | 51253000 |
| SEAT 30     | 3000 | 3,00 | 230/400 | 10/3,6    | 36,00  | 51253007 |
|             | 1000 | 0,55 | 230/400 | 3/1,8     | 19,60  | 51301000 |
|             | 1500 | 1,10 | 230/400 | 4,7/2,7   | 23,70  | 51302000 |
| SEAT 35     | 1000 | 2,20 | 230/400 | 9,6/5,5   | 43,20  | 51351000 |
|             | 1500 | 5,50 | 230/400 | 20,8/11,9 | 53,00  | 51352000 |
|             | 1500 | 4,00 | 230/400 | 14,8/8,5  | 43,60  | 51352400 |
| SEAT 50     | 1200 | 4,00 | 690/400 | 9,5/5,5   | 215,00 | 51501000 |

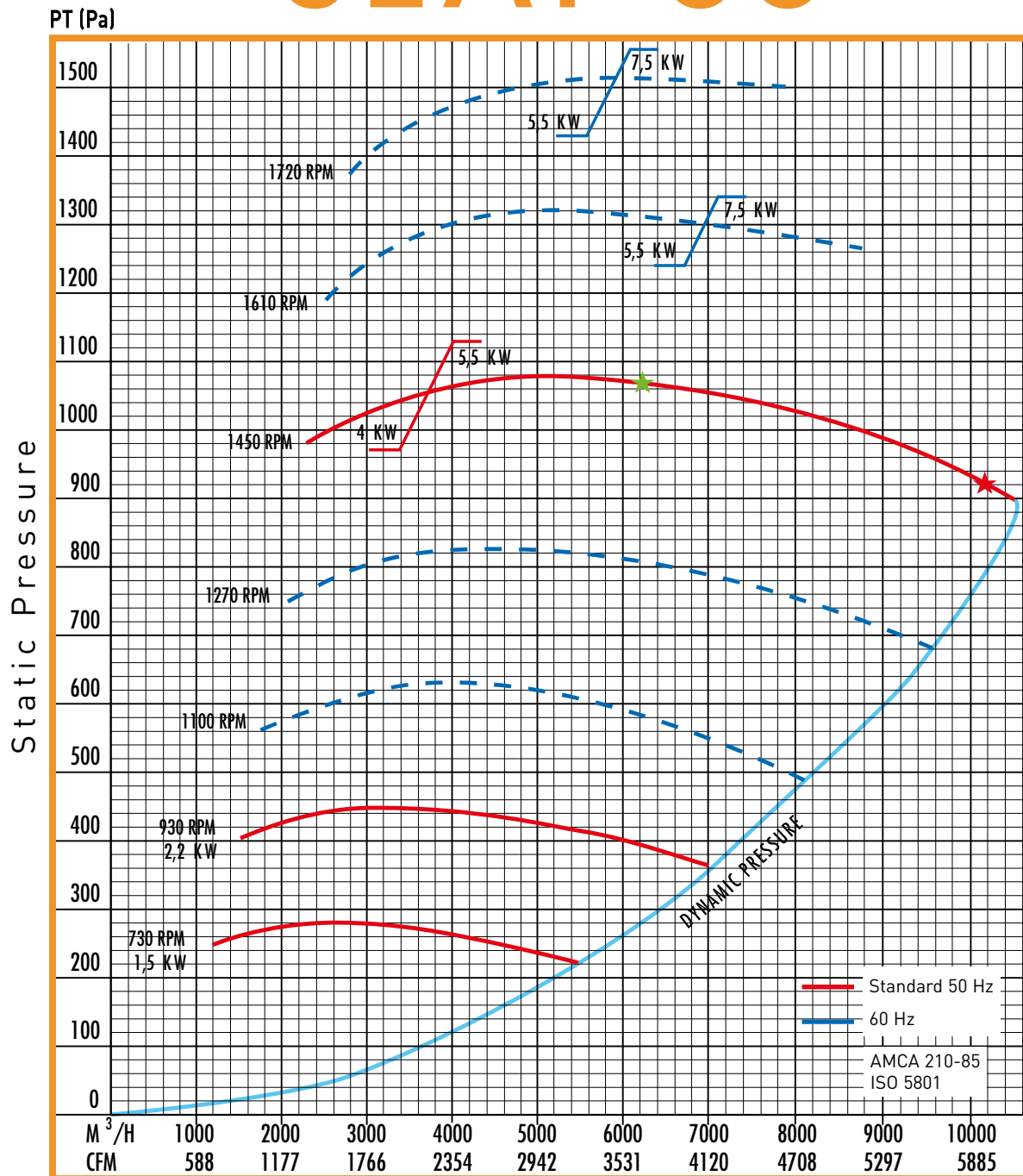


|              |      |      |         |           |       |          |
|--------------|------|------|---------|-----------|-------|----------|
| ATEX         |      |      |         |           |       |          |
| SEAT 15 ATEX | 1500 | 0,18 | 230/400 | 0,97/0,56 | 11,30 | 51152003 |
|              | 3000 | 0,37 | 230/400 | 1,64/0,95 | 10,20 | 51153003 |
| SEAT 20 ATEX | 1500 | 0,18 | 230/400 | 0,97/0,56 | 9,70  | 51202003 |
|              | 3000 | 0,75 | 230/400 | 3,3/1,9   | 13,20 | 51203003 |
| SEAT 25 ATEX | 1000 | 0,18 | 230/400 | 1,06/0,61 | 12,80 | 51251003 |
|              | 1500 | 0,37 | 230/400 | 1,7/1,1   | 12,80 | 51252003 |
|              | 3000 | 2,20 | 230/400 | 8/4,6     | 22,60 | 51253003 |
| SEAT 30 ATEX | 1500 | 1,10 | 230/400 | 5,7/3,3   | 20,60 | 51302003 |
| SEAT 35 ATEX | 1000 | 2,20 | 230/400 | 10/5,7    | 45,10 | 51351003 |
|              | 1500 | 5,50 | 230/400 | 19,2/11   | 55,60 | 51352003 |

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

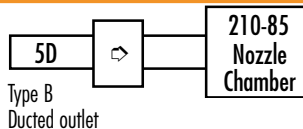


# SEAT 35



Ducted inlet/Ducted outlet  
Casing noise

| R.P.M. | dB (A) | dB lin |
|--------|--------|--------|
| 1435   | 77,3   | 82,4   |



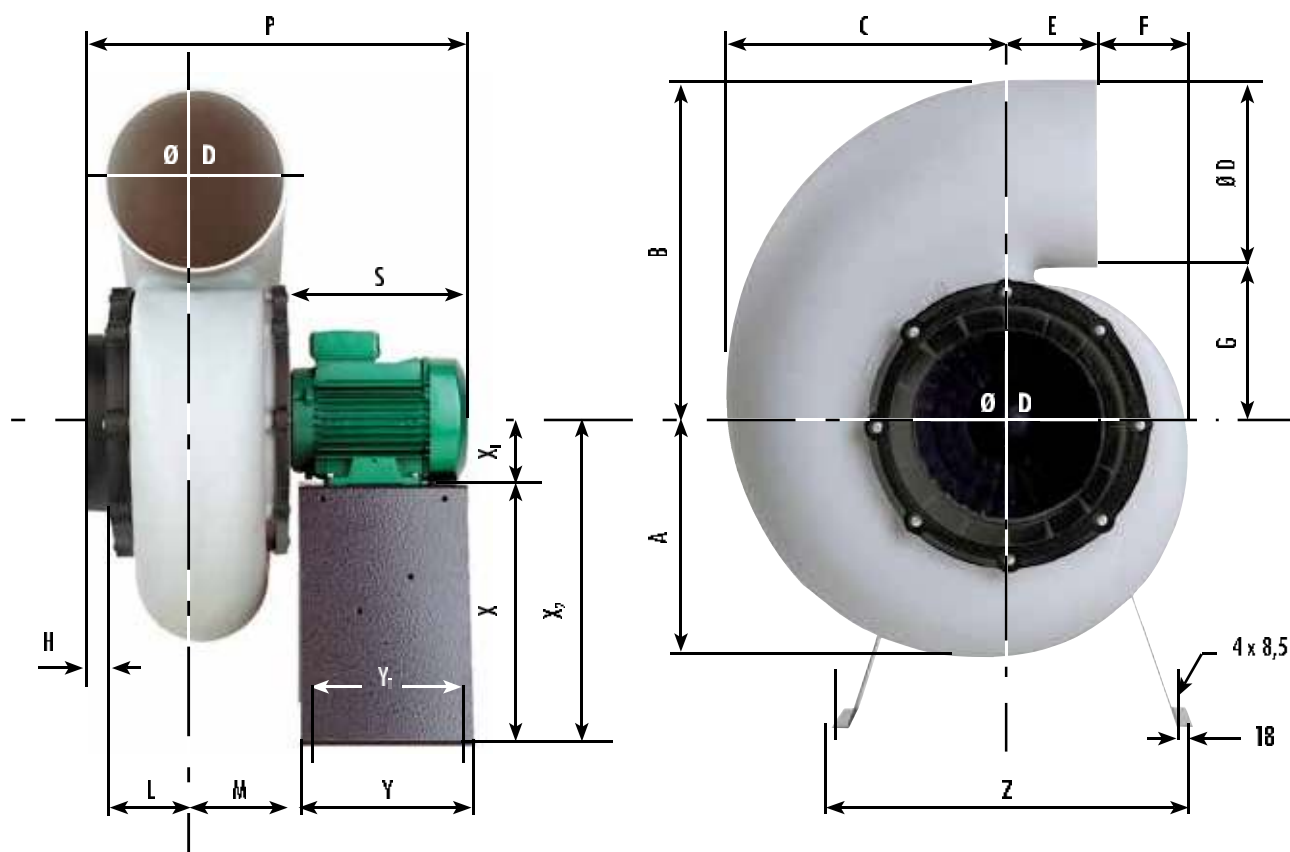
Type B  
Ducted outlet

| R.P.M. | ★ dB(A) | dB lin |
|--------|---------|--------|
| 730    | 67,8    | 76,1   |
| 950    | 74,1    | 82,2   |
| 1450   | 86      | 94,2   |
| 1720   | 90,7    | 98,1   |

Noise level in octaves (dB)

| Freq. Octave Hz | 1450 R.P.M. ★ 6000 m³/h | 1450 R.P.M. ★ 10000 m³/h |
|-----------------|-------------------------|--------------------------|
| 125             | 74,5                    | 74,5                     |
| 250             | 68,2                    | 72                       |
| 500             | 68,4                    | 76,1                     |
| 1000            | 67,4                    | 75,5                     |
| 2000            | 61,2                    | 70,9                     |
| 4000            | 61,3                    | 71,4                     |

# SEAT 35

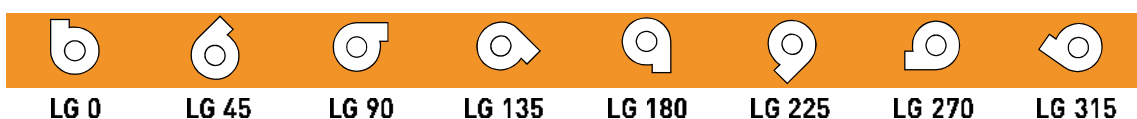


LG Position only

**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<br>ATEX ou<br>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 side - 45 degree adjustable**



LG 0

LG 45

LG 90

LG 135

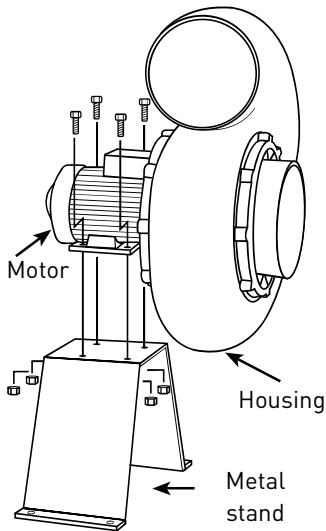
LG 180

LG 225

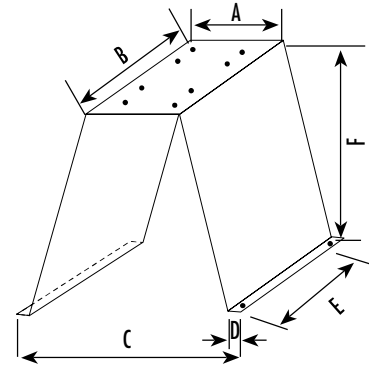
LG 270

LG 315

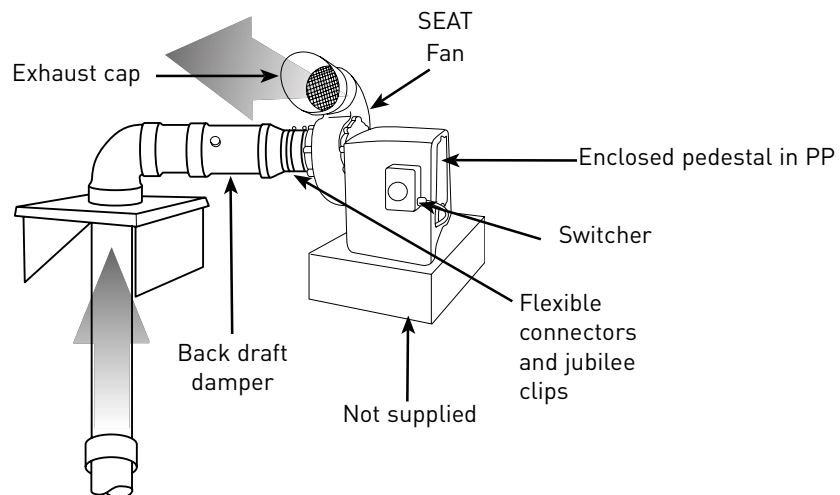
## Metal stand



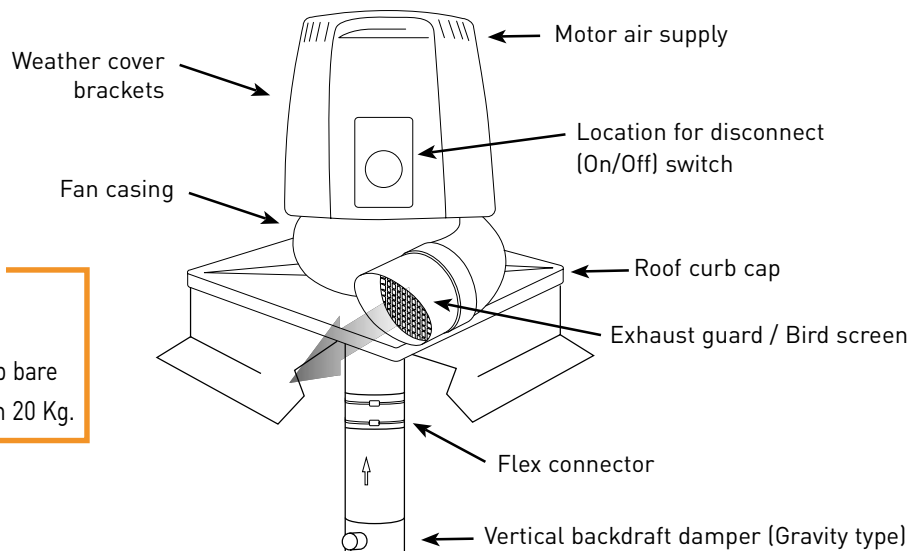
| Dimensions (mm) |     |     |     |    |     |     |
|-----------------|-----|-----|-----|----|-----|-----|
| Fan             | A   | B   | C   | D  | E   | F   |
| SEAT 15-20      | 190 | 180 | 320 | 20 | 160 | 240 |
| SEAT 25         | 190 | 180 | 400 | 20 | 160 | 300 |
| SEAT 25 (2P)    | 190 | 180 | 400 | 20 | 160 | 300 |
| SEAT 30         | 200 | 240 | 440 | 20 | 220 | 350 |
| SEAT35          | 300 | 350 | 600 | 20 | 310 | 468 |



## Enclosed pedestal



## Roof unit



### WARNING

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