

# BVFC 9/9 0,37kW

## Series general data BVFC



### MANUFACTURING FEATURES:

- Fans in thermal and soundproofing cabinets.
- Double inlet forward curved impeller.
- Transmission set outside the airstream including the belts protection grid.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230/400V 50Hz in three phase motors, up to 4kW and 400/690V 50Hz for higher powers.

### APPLICATIONS:

- Designed for inline installation, indoor or outdoor assembly, they are suitable for:
- Smoke emergency exhaust with motor outside the hazardous area.
  - Industrial and professional kitchen hoods.
  - Maximum working temperature: carried air: 100°C, ambient 60°C.

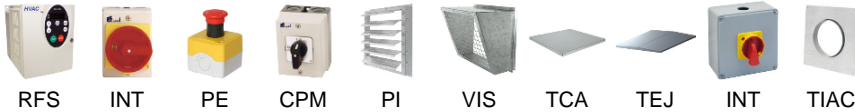
### UNDER REQUEST:

- 60Hz fans and special voltages.
- Vertical discharge. 10% additional cost.
- Transmission ratio variation.
- Weather protective roof for sizes from 20/20 to 30/28.

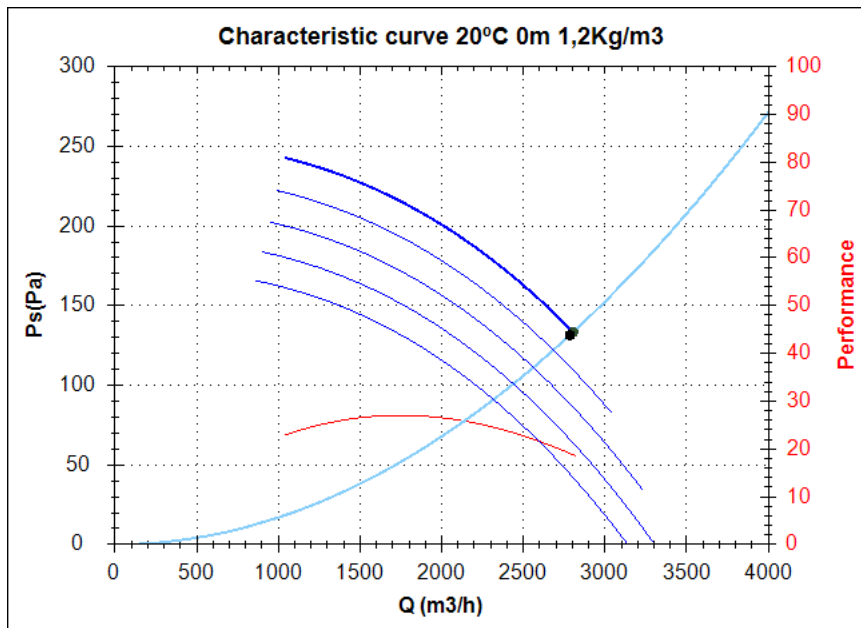
Official homologation by the European laboratory APPLUS according to EN 12101-3:2002, EN 12101-3:2002/AC:2005  
 Certification Nr: 0370-CPD-0723

\* You can find the certificate in the menu: " company/technical data/400°C/2h CE".

## Series accessories BVFC



## Characteristic curve



### Design point

Q (m3/h)	2784,68
Ps(Pa)	131,49

### Service point

Impeller rpm	1150
Max. temp.(°C)	100
Q (m3/h)	2805,14
Ps(Pa)	133,43
Pd(Pa)	54,26
Pt(Pa)	187,69
Air speed(m/s)	9,51
Perf.(%)	18,76
SWL dB(A)	69 (INLET)
SPL dB(A)	54 (INLET)
Distance(m)	1,5

## Technical data

Impeller rpm	1150
Motor rpm	1500
Approx. weight(kg)	40
Maximum flow rate(m3/h)	3290

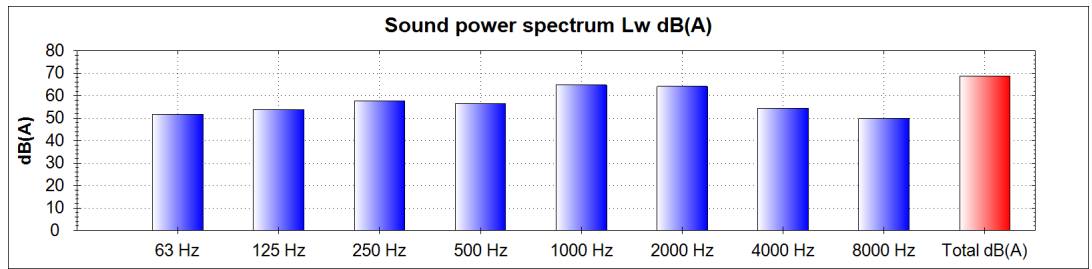
Power(kW)	0,37
Imax 230V(A)	1,94
Imax 400V(A)	1,12
Imax 690V(A)	-

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## Acoustics to the service point (INLET)

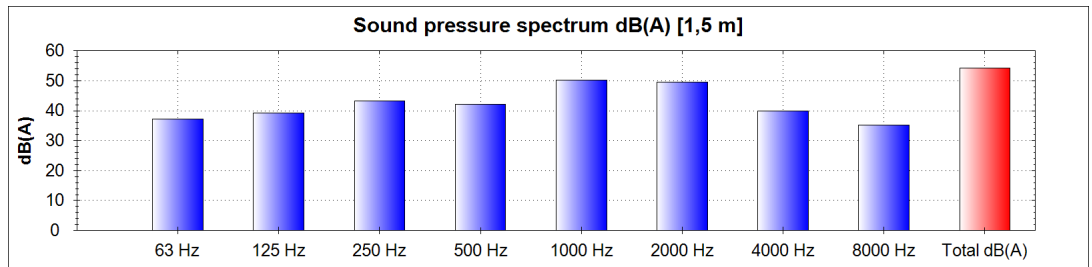
### Power dB(A)

63 Hz	52
125 Hz	54
250 Hz	58
500 Hz	57
1000 Hz	65
2000 Hz	64
4000 Hz	54
8000 Hz	50
Total dB(A)	69



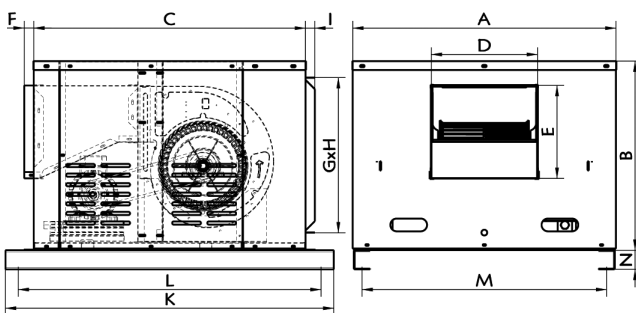
### Pressure dB(A) [1,5 m]

63 Hz	37
125 Hz	39
250 Hz	43
500 Hz	42
1000 Hz	50
2000 Hz	50
4000 Hz	40
8000 Hz	35
Total dB(A)	54

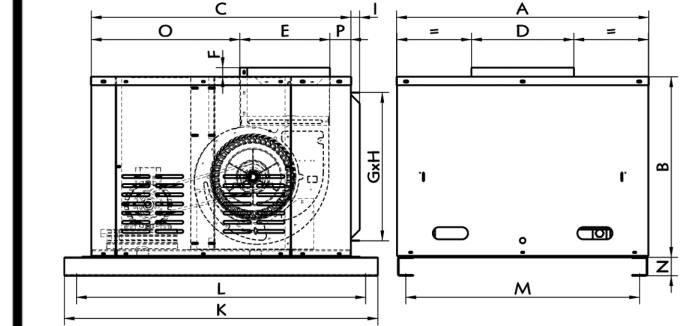


## dimensions diagram

### HORIZONTAL



### VERTICAL

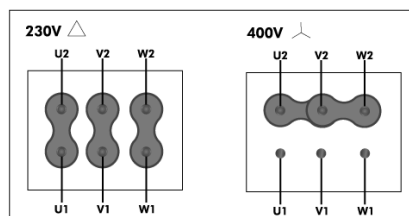


### Dimensions (mm)

A=780	B=562	C=792.5	D	D vert.=307	E horiz.=266	E vert.=264	F=30	G=678	H=454	I=29	K=970
L=890	M=721.5	N=60	O=459	P=70							

## Wiring diagram

### 230/400V



### 400/690V

