

# BOX BD 9/9 M4 0,35kW

## Series general data BOX BD

THIS PRODUCT MEETS THE EFFICIENCY VALUES REQUIRED BY ErP 2013/2015

### MANUFACTURING FEATURES:



- Impellers made of polyamide reinforced with fiberglass up to size 33/33 (12/12). Rest of models made of galvanized steel sheet.
- BD range fans assembled in soundproof cabinets with Flexi roll Pol Na 30 Anthracite grey M1 fire resistance insulated panels.
- Fanassembled on antivibration mountings.
- Connection gland included.
- Equipped with inlet deflector wing, minimizing the turbulence and optimizing efficiency.
- Closed motors SPECIALLY DESIGNED. Extruded aluminium motor housing. Totally enclosed wiring box IP-65. IP-54 motor protection and rated class F insulation. Standard voltages 230V 50 Hz for single phase and 230/400V 50Hz.

### APPLICATIONS:

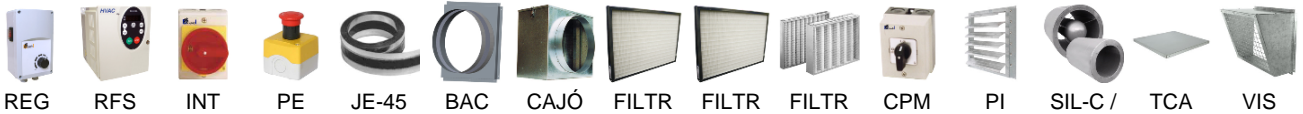
Designed for inline installation, indoor or outdoor assembly, they are suitable for:

- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods.
- Maximum working temperature: 50°C.

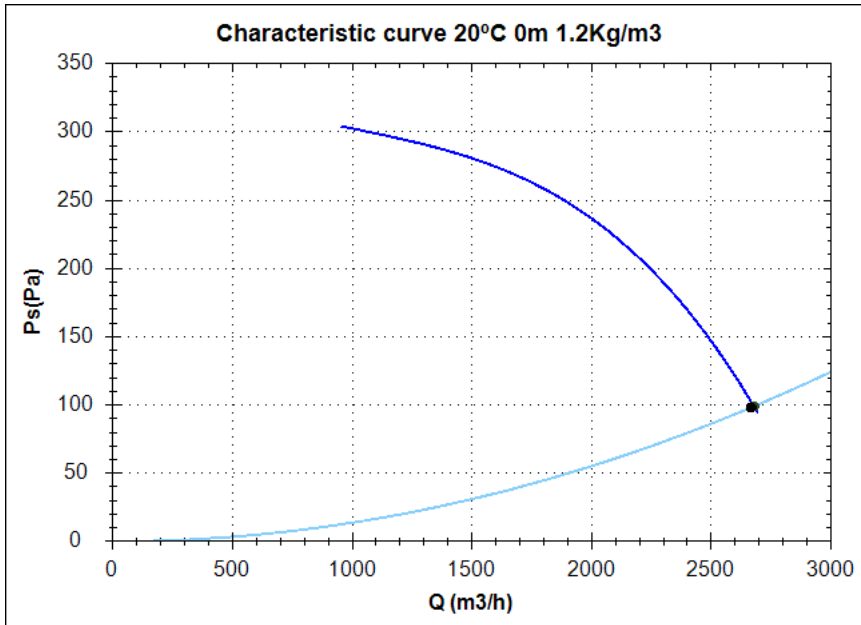
### UNDER REQUEST:

- 3 speed fans.
- LG0 position.
- Impellers made of galvanised steel sheet.

## Series accessories BOX BD



## Characteristic curve



### Design point

Q (m3/h)	2666.72
Ps(Pa)	98.21

### Service point

Impeller rpm	1350
Max. temp.(°C)	50
Q (m3/h)	2678.23
Ps(Pa)	99.06
Pd(Pa)	40.59
Pt(Pa)	139.65
Air speed(m/s)	8.23
SWL dB(A)	70 (INLET)
SPL dB(A)	55 (INLET)
Distance(m)	1.5

## Technical data

Impeller rpm	1350
Motor rpm	
Approx. weight(kg)	30
Maximum flow rate(m3/h)	2694

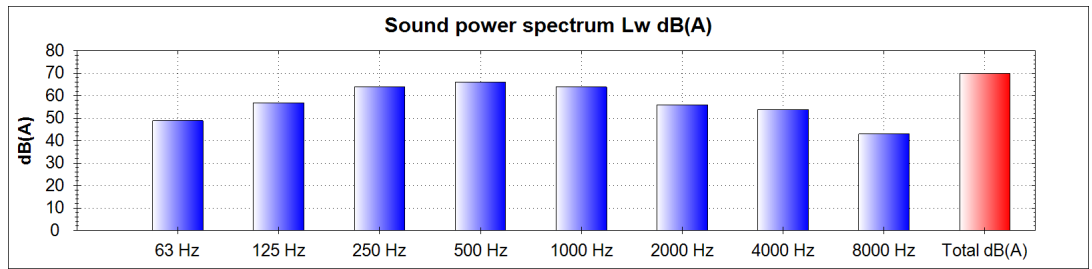
Power(kW)	0,35
Imax 230V(A)	2,7
Imax 400V(A)	-
Imax 690V(A)	-

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## Acoustics to the service point (INLET)

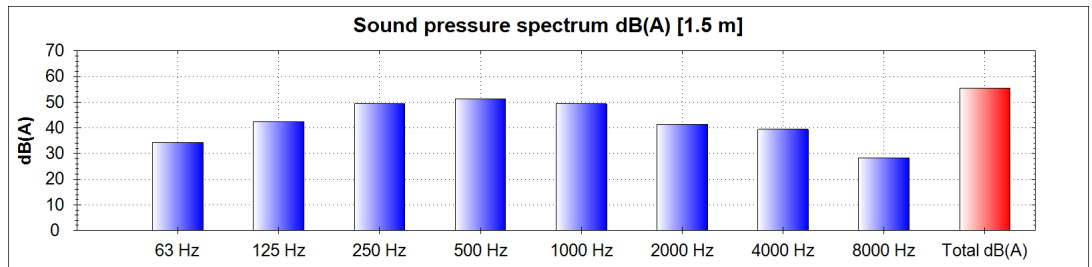
### Power dB(A)

63 Hz	49
125 Hz	57
250 Hz	64
500 Hz	66
1000 Hz	64
2000 Hz	56
4000 Hz	54
8000 Hz	43
Total dB(A)	70

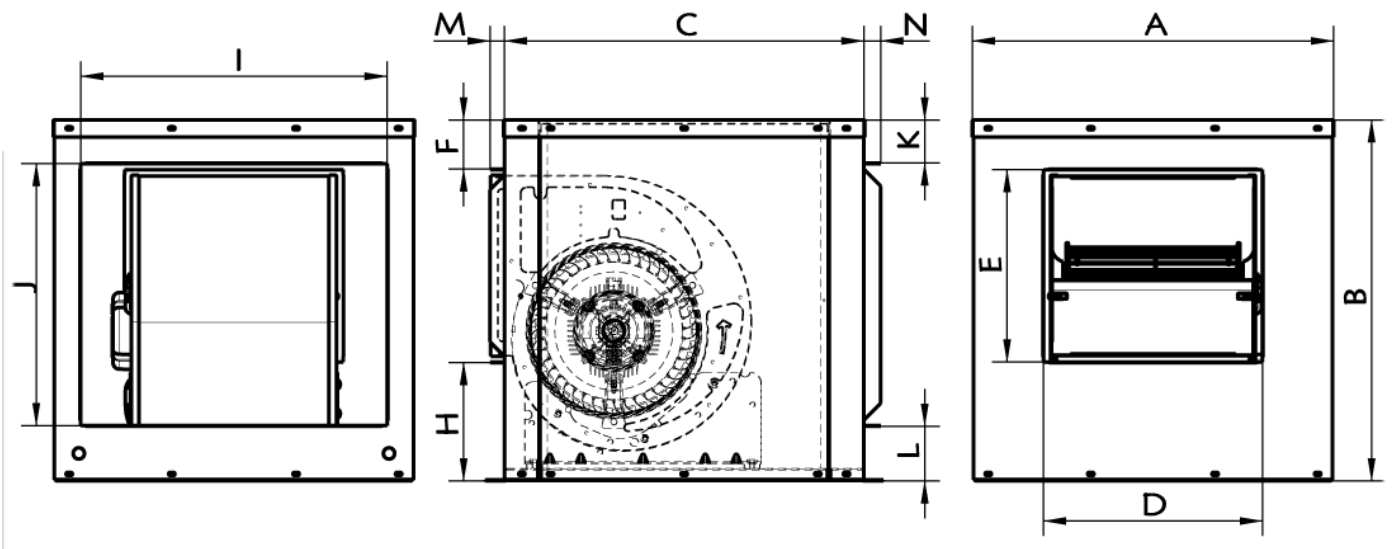


### Pressure dB(A) [1.5 m]

63 Hz	34
125 Hz	42
250 Hz	49
500 Hz	51
1000 Hz	49
2000 Hz	41
4000 Hz	39
8000 Hz	28
Total dB(A)	55



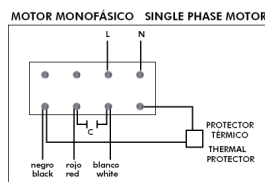
## dimensions diagram



### Dimensions (mm)

A=535	B=535	C=535	D=323	E=280	F=91	H=164	I=418	J=359	K=77	L=96,25	M=23	N=27
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## Wiring diagram



Compatibility chart BD-REG / Tabla de compatibilidad BD-REG

Model	REG-USA	REG-CA	REG-SA	REG-UK
BD 7/7 M4 0,12kW	1,5			
BD 7/7 M4 0,04kW	0,6			
BD 9/7 M4 0,25kW	2,7			
BD 9/7 M4 0,12kW	1,2			
BD 9/9 M4 0,25kW	2,7			
BD 9/9 M4 0,12kW	1,2			
BD 10/8 M4 0,25kW	2			
BD 10/8 M4 0,19kW	2			
BD 10/10 M4 0,59kW	4,5			
BD 10/10 M4 0,19kW	2			
BD 12/7 M4 0,79kW	4,2			
BD 12/12 M4 0,79kW	4,2			

Excessive motor current / Corriente motor excesiva  
 Bad regulation / Mala regulación  
 Good regulation / Buena regulación  
 Optimum regulation / Óptima regulación