

# HB 35 M2 0,55kW (A0, 6p)

## Series general data HB / HBA PERFIL A0



### MANUFACTURING FEATURES:

- Plate axial fan with circular reinforced frame.
- Motor-impeller modular assembly for complete versatility.
- Epoxy powder finishing coat.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors and 230/400V 50Hz in three phase, motors up to 4kW and 400/690V 50Hz for higher powers.
- HB: Polyamide impeller with variable pitch angle reinforced with fiberglass
- HBA: Cast aluminum impeller with variable pitch angle.

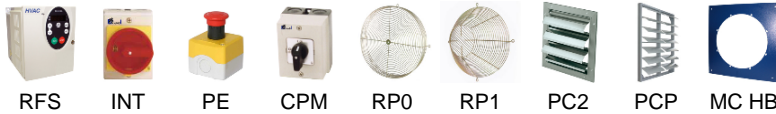
### APPLICATIONS:

- Designed for wall or duct installation, they are suitable for:
- Air renewal in buildings and industries.
  - Maximum working temperature: 1ph 50°C, 3ph 60°C.

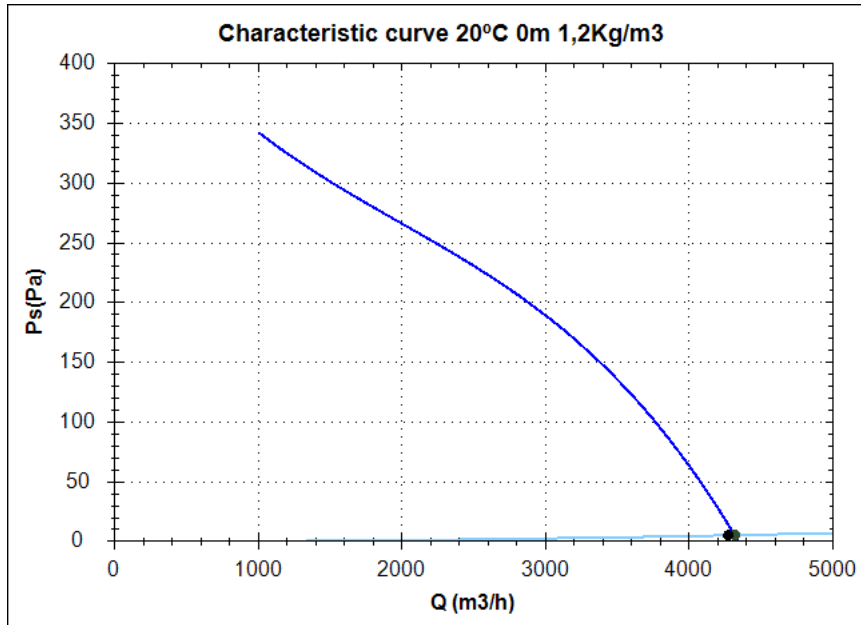
### UNDER REQUEST:

- Supply impeller (air direction from impeller to motor), 100% reversible impeller.
- 60Hz fans and special voltages.
- Hot-dipped galvanized or stainless steel housing.
- Optional square plate in circular frame.

## Series accessories HB / HBA PERFIL A0



## Characteristic curve



### Design point

Q (m3/h)	4270,58
Ps(Pa)	5,2

### Service point

Impeller rpm	3000
Max. temp.(°C)	50
Q (m3/h)	4316,09
Ps(Pa)	5,31
Pd(Pa)	82,29
Pt(Pa)	87,61
Air speed(m/s)	11,71
SWL dB(A)	90 (INLET)
SPL dB(A)	75 (INLET)
Distance(m)	1,5

## Technical data

Impeller rpm	3000
Motor rpm	3000
Approx. weight(kg)	11
Maximum flow rate(m3/h)	4360

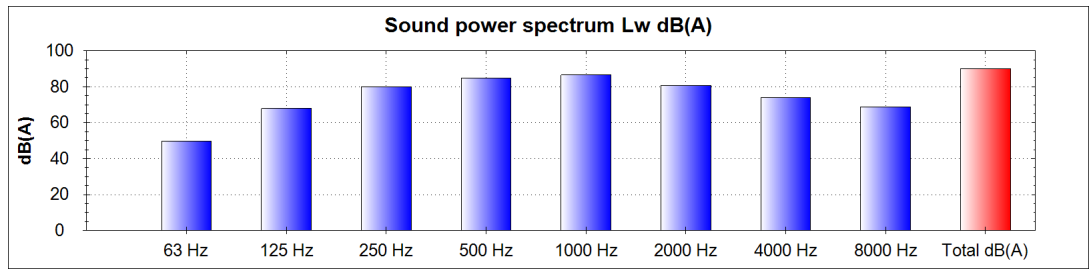
Power(kW)	0,55
Imax 230V(A)	3,71
Imax 400V(A)	-
Imax 690V(A)	-

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## Acoustics to the service point (INLET)

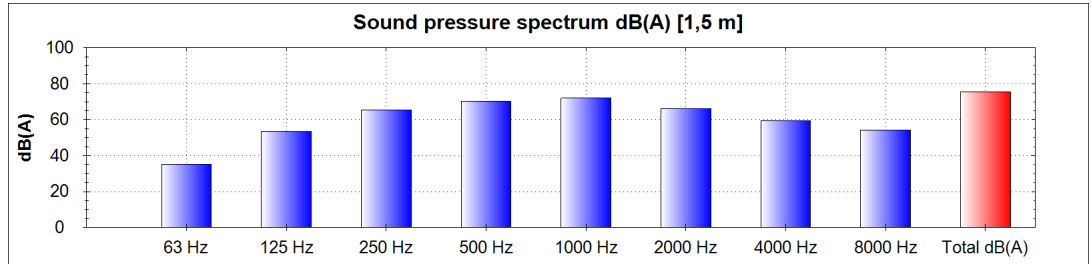
### Power dB(A)

63 Hz	50
125 Hz	68
250 Hz	80
500 Hz	85
1000 Hz	87
2000 Hz	81
4000 Hz	74
8000 Hz	69
Total dB(A)	90

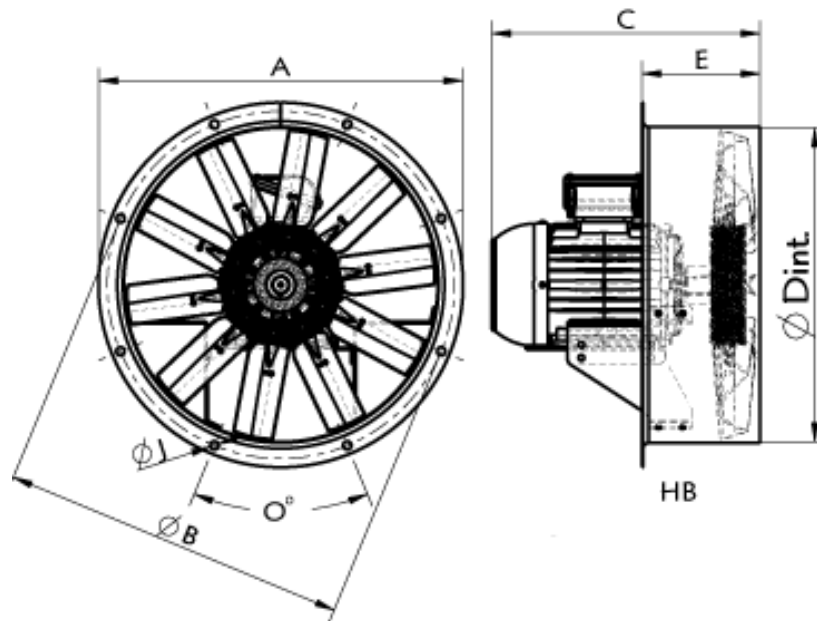


### Pressure dB(A) [1,5 m]

63 Hz	35
125 Hz	53
250 Hz	65
500 Hz	70
1000 Hz	72
2000 Hz	66
4000 Hz	59
8000 Hz	54
Total dB(A)	75



## dimensions diagram



### Dimensions (mm)

C = 335	E = 150	O = 8x45°	ØA = 434	ØB = 395	ØDint = 365	ØJ = 10
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## Wiring diagram

