

# MBX 16/6 T4 0,18kW

## Series general data MBX



### MANUFACTURING FEATURES

- Rolling steel sheet housing.
  - Completely joined or welded housing.
  - Single inlet forward curved impeller made of aluminium sheet.
  - Epoxy powder finishing coat.
  - Inlet sparkproof ring made of copper or aluminium.
  - Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. ATEX certified EEx-d.
- 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.

### APPLICATIONS

- Designed for inline installation, they are suitable for:
- General ventilation in closed environments classified as ATEX zone 2 or 22.
  - Maximum air working temperature from -20°C to 80°C.

### UNDER REQUEST

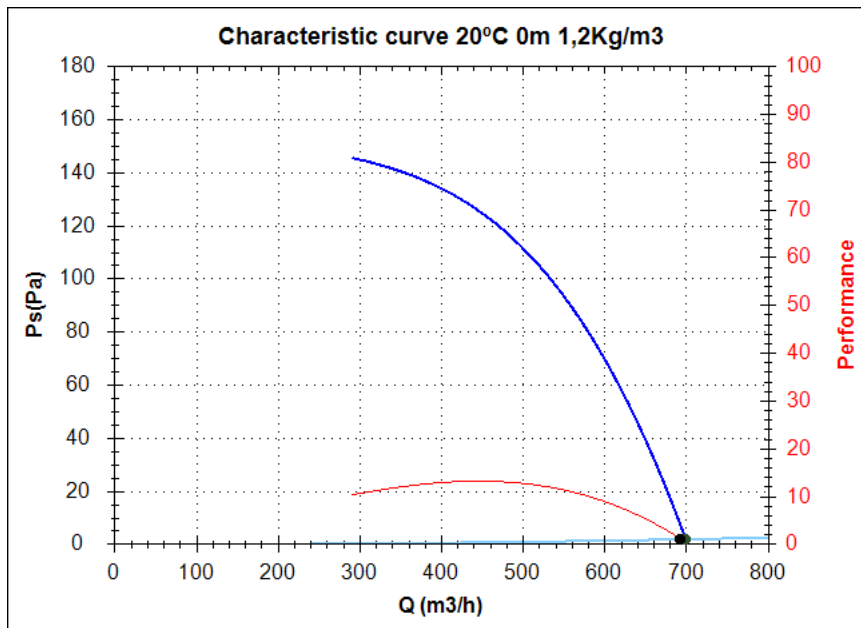
- 60Hz fans and special voltages.
- Special ATEX executions.

In compliance with the 94/9/CE Directive. ATEX II2G built. Certified II3G with certified ATEX EEx-d II2G motor for areas 2 (gas) or 22 (dust).

## Series accessories MBX



## Characteristic curve



### Design point

Q (m3/h)	691,86
Ps(Pa)	1,94

### Service point

Impeller rpm	1400
Max. temp.(°C)	130
Q (m3/h)	698,91
Ps(Pa)	1,98
Pd(Pa)	140,89
Pt(Pa)	142,87
Air speed(m/s)	15,33
Perf.(%)	0,52
SWL dB(A)	80 (INLET)
SPL dB(A)	65 (INLET)
Distance(m)	1,5

## Technical data

Impeller rpm	1400
Motor rpm	1400
Approx. weight(kg)	9,5
Maximum flow rate(m3/h)	710

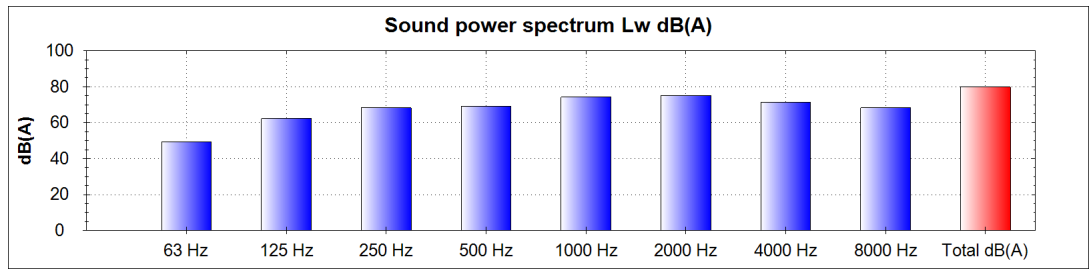
Power(kW)	0,18
Imax 230V(A)	1,12
Imax 400V(A)	0,65
Imax 690V(A)	-

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## Acoustics to the service point (INLET)

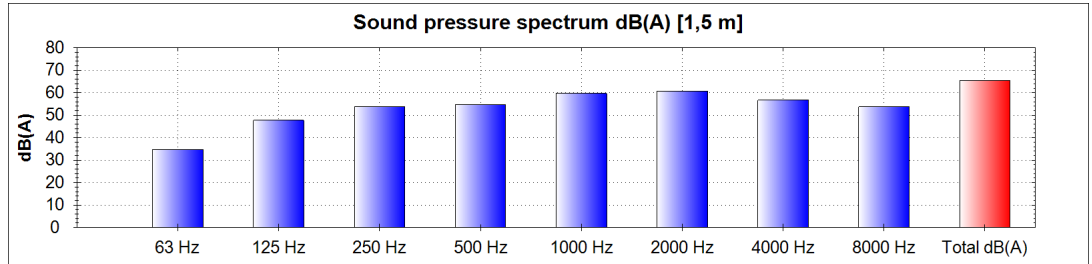
### Power dB(A)

63 Hz	49
125 Hz	62
250 Hz	68
500 Hz	69
1000 Hz	74
2000 Hz	75
4000 Hz	71
8000 Hz	68
Total dB(A)	80

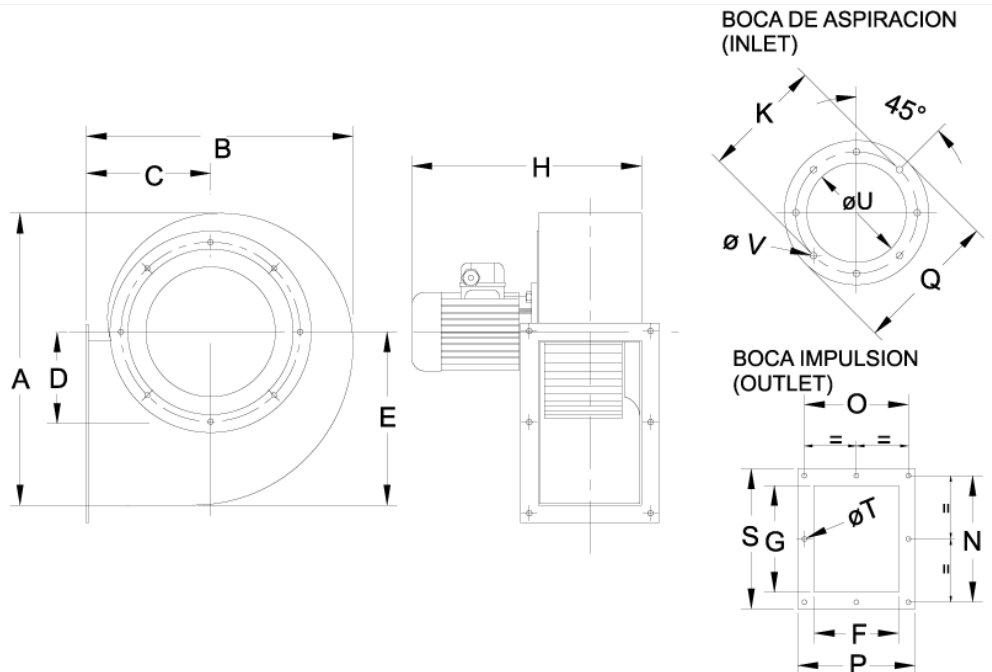


### Pressure dB(A) [1,5 m]

63 Hz	35
125 Hz	48
250 Hz	54
500 Hz	55
1000 Hz	60
2000 Hz	61
4000 Hz	57
8000 Hz	54
Total dB(A)	65



## dimensions diagram



### Dimensions (mm)

A=293	B=254	C=118	D=107	E=171	F=100	G=120	H=340	K=180	N=147	O=128	P=153
Q=214	S=172	T∅=7	U∅=127	V∅=9							

## Wiring diagram

