Casals
soul made fans

HB 45 M4 (A0:6)

GENERAL DATA

WALL FAN , VARIABLE PITCH BLADES

MANUFACTURING FEATURES:
• Plate axial fan with circular reinforced frame.
• Motor-impeller modular assembly for complete versatility.
• Corrosion-resistant powder coat polyester resin.
• 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 :Polypropylene impeller (A2 profile) or polyamide impeller reinforced with fibreglass (other profiles) with variable pitch angle.
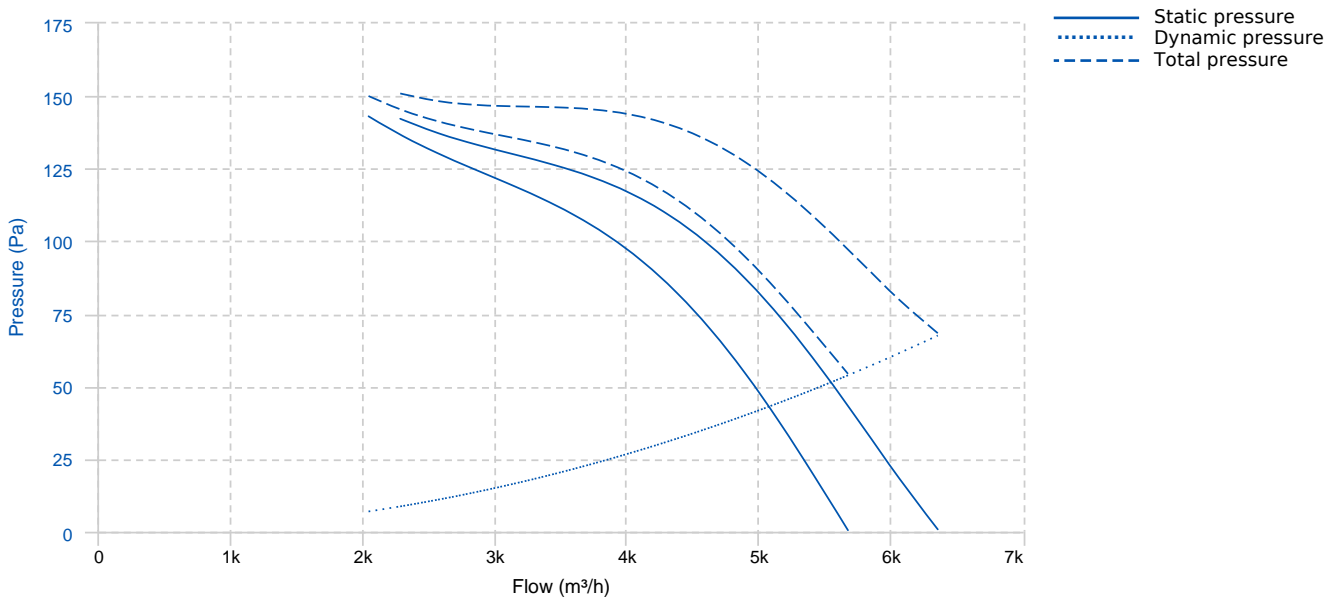• HBA : Cast aluminum impeller with variable pitch angle.

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

UNDER REQUEST:
• Supply impeller (air direction from impeller to motor)
• 100% reversible impeller.
• 60Hz fans and special voltages.
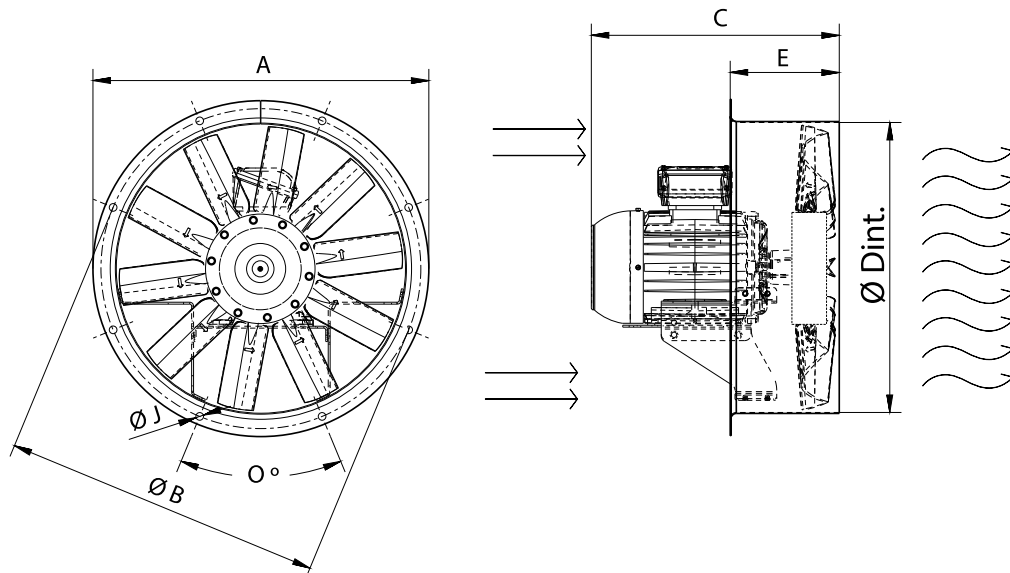• Hot-dipped galvanized or stainless steel housing.

PERFORMANCE CURVE

Legend:
— Static pressure
···· Dynamic pressure
- - - Total pressure

X-axis: Flow (m³/h) from 0 to 7k
Y-axis: Pressure (Pa) from 0 to 175

TECHNICAL DATA

Fan					
RPM	-	Approx. weight	-	Max. Flow	6360 m³/h

Casals

GV VORTICE

DIMENSIONS

Dimensions (mm)

C (Mot.T.63)	328	C (Mot.T.71)	328	C (Mot.T.80)	347	C (Mot.T.90L)	387	C (Mot.T.90S)	362
C (Mot.T. 100L)	418	E	165	O	8X45º	ØA	525	ØB	500
ØD	452	ØJ	12						

WIRING DIAGRAM

230V

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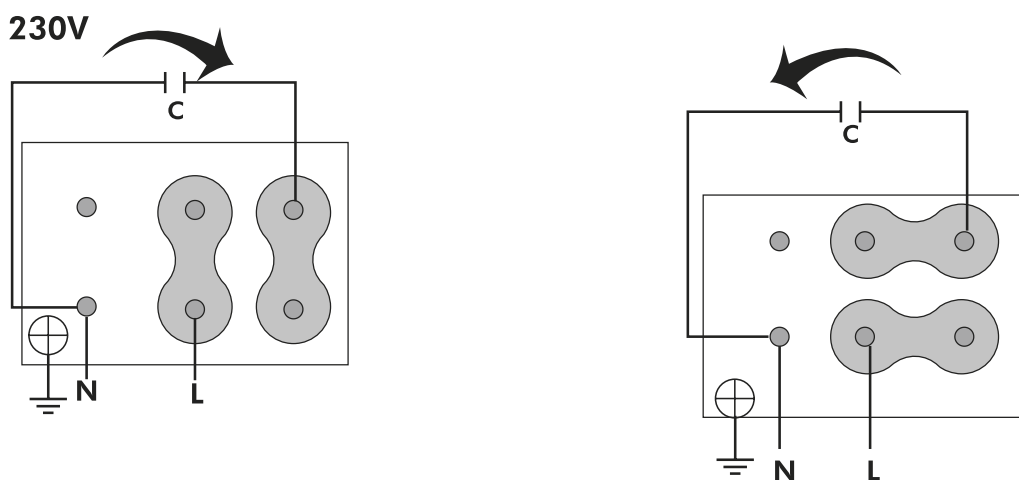
ACCESSORIES

Outlet protection guard for axial fans
RP0 450
REF: 960001202

PLASTIC GRAVITY SHUTTER
PCP 45
REF: 963240105G

CONECTION FLANGE
AC 450
REF: 960003213

ANTI-VIBRATING FLANGE 400º/2H
BA-400 45
REF: 960002055

SQUARE MOUNTING FRAME FOR HB FANS
MC HB 45
REF: 960003154

ANTI-VIBRATION JOINT
JE 45
REF: 300719201

ALUMINIUM GRAVITY SHUTTER
PC2 50
REF: PC25050

CIRCULAR-CIRCULAR ANTI-VIBRATION FLANGE
BAD 12 (Ø450)
REF: 960003462

SAFETY SWITCH
INT (GENERIC)

INLET PROTECTION GUARD FOR AXIAL FANS
RP1 (GENERIC)

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