

# HMA 35 T2 (A0:6) 1,1kW 30°

## GENERAL DATA



### LONG CASE VARIABLE PITCHBLADES

#### MANUFACTURING FEATURES:

- Reinforced fan casing manufactured in rolling steel sheet.
- Motor-impeller modular assembly for complete versatility.
- Polyester powder finishing coat.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 60Hz in single phase motors and 230/400V 60Hz in three phase motors up to 4kW and 400/690V 60Hz for higher powers.
- HM: Polypropylene impeller (A2 profile) or polyamide impeller reinforced with fibreglass (other profiles) with variable pitch angle
- HMA: Cast aluminium impeller with variable pitch angle.

#### APPLICATIONS:

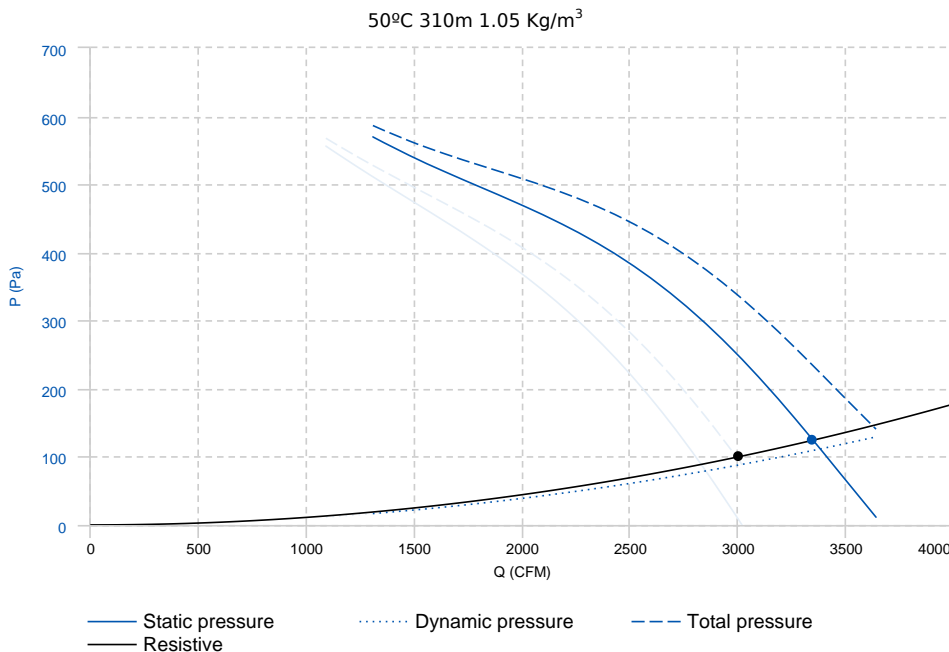
Designed for inline installation, they are suitable for:

- Air renewal in buildings and industries.
- Smoke extraction (max 50-60°C).
- Maximum working temperature: 1ph 50°C, 3ph 60°C.

#### UNDER REQUEST:

- 100% reversible impeller.
- 50Hz fans and special voltages.
- Hot-dipped galvanised or stainless steel housing.

## PERFORMANCE CURVE



Design point	
Flow (CFM)	3000
Pressure (Pa)	100
Service point	
Angle	30
T.max (°C)	60
Q (CFM)	3345.84
Ps (Pa)	124.39
Pd (Pa)	124.95
Pt (Pa)	249.34
Speed (m/s)	15.43
Security coefficient	1.31
Fan total efficiency	44.821
Mechanical total efficiency	53.96
Pabs (kW)	1.15
Pwmech (kW) 1.05 Kg/m <sup>3</sup>	0.73
Pwmech (kW) 1.2 Kg/m <sup>3</sup>	0.84
Precom (kW)	1,1

## TECHNICAL DATA

### Fan

RPM		Approx. weight	kg	Max. Flow	3643.3 CFM
-----	--	----------------	----	-----------	------------

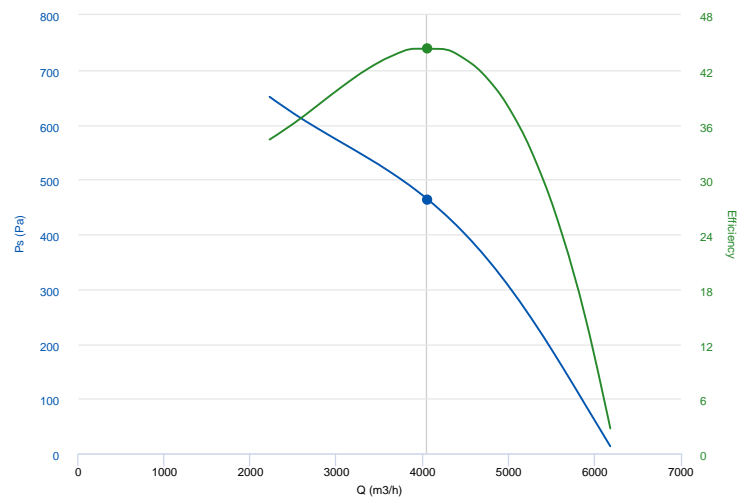
### Motor

Power	1,1 kW	RPM	3414	I max. (230V)	4,05 A	I max. (400V)	2,33 A
-------	--------	-----	------	---------------	--------	---------------	--------

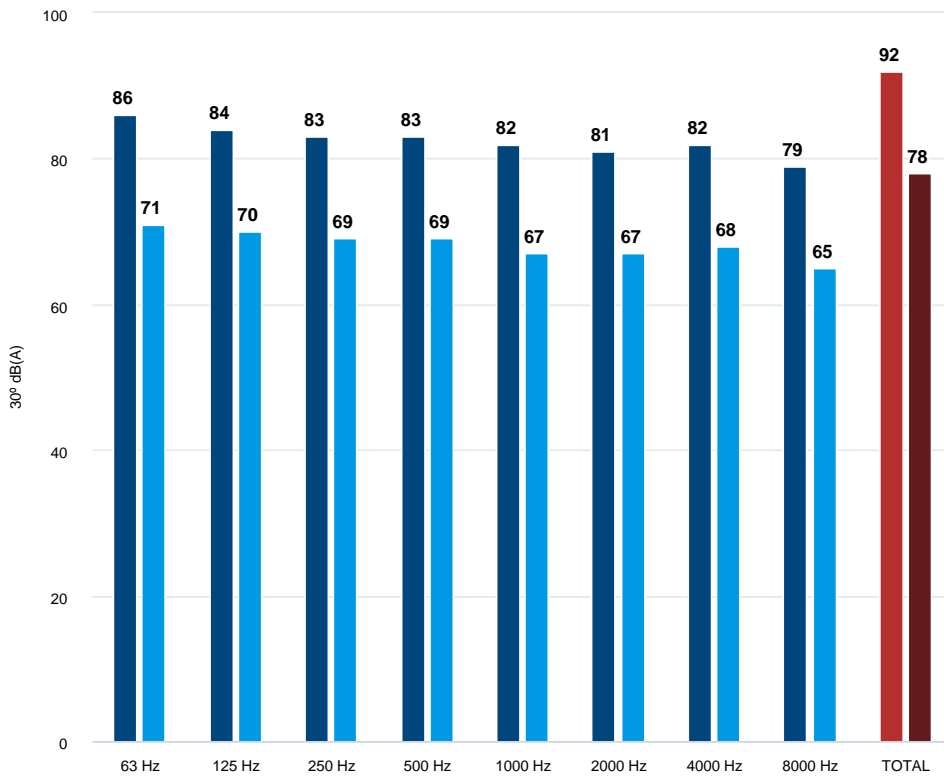
## ERP DATA

### Fan data sheet

Fan type	Axial fan	
Installation category	A: Outlet and Inlet free discharge	
Efficiency category	Static	
The fan has to be installed with VF	No	
Motor power (kW)	1.1	
	<b>Fan values</b>	<b>ERP Requirements 2015</b>
Max. efficiency (%)	44.42	34.13
Efficiency grade (N)	50.29	40
Pabs (kW)	1.185	
reports.flow (m3/h)	4055.27	
Static pressure (Pa)	464.03	
Speed (m/s)		
Specific ratio	1.00	



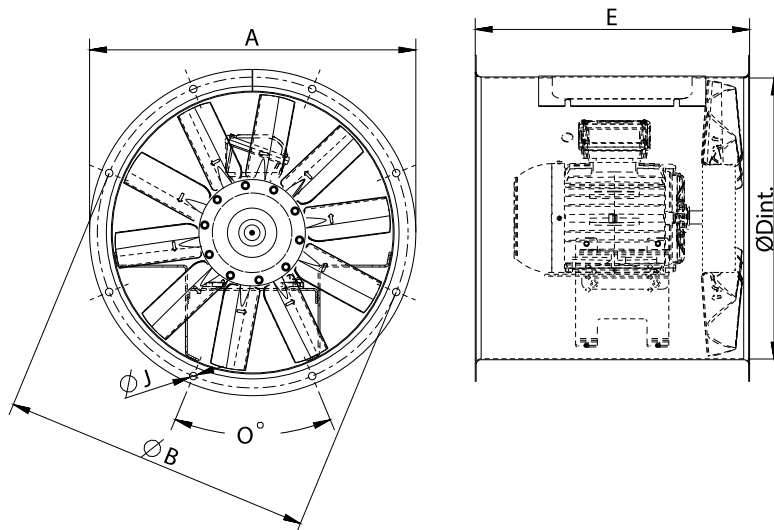
## ACOUSTIC DATA



Sound power	
63 Hz	86
125 Hz	84
250 Hz	83
500 Hz	83
1000 Hz	82
2000 Hz	81
4000 Hz	82
8000 Hz	79
TOTAL	92

Sound pressure 1.5m (in)	
63 Hz	71
125 Hz	70
250 Hz	69
500 Hz	69
1000 Hz	67
2000 Hz	67
4000 Hz	68
8000 Hz	65
TOTAL	78

## DIMENSIONS



Dimensions (mm)

E	350	O	8x45°	ØA	434	ØB	395	ØDint	365
ØJ	10								

**WIRING DIAGRAM**

