

# HJBM PLUS 45 T4 0,55kW

## GENERAL DATA



SQUARE WALL PLATE FAN, VARIABLE PITCH BLADES AND HIGH EFFICIENCY MOTOR

### MANUFACTURING FEATURES

- Square plate made of galvanized steel sheet with polyester painting.
- Variable pitch angle polyamide impeller reinforced with fibreglass.
- Supplied with motor support and protection guard according to the UNE-EN 20-359-74 norm and the ROHS 2002/95/EC Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipments).
- High efficiency standard asynchronous squirrel-cage motor with IP-55 protection (wiring box IP-65) and Class F insulation. Manufactured with standard voltages: 230V 50Hz for the single phase motors and 230/400V 50Hz for the three phase motors.

### APPLICATIONS

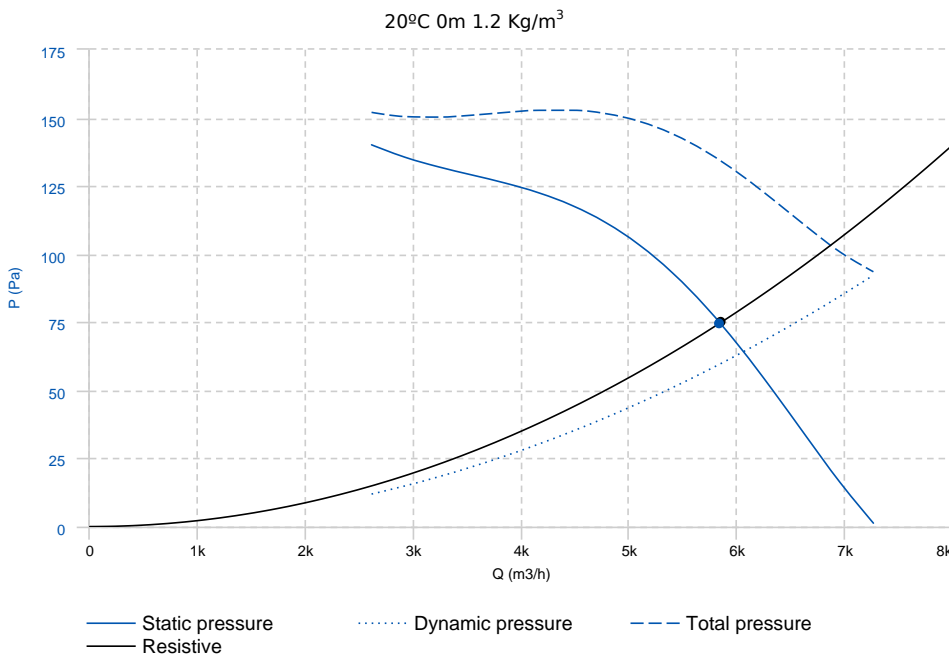
Designed for wall assembly, they are suitable for:

- Air renewal in buildings and industries.
- Maximum working temperature: single phase 50°C, three phase 60°C.

### UNDER REQUEST

- Aluminium impeller.
- 60Hz fans.

## PERFORMANCE CURVE



Design point	
Flow (m3/h)	5851.76
Pressure (Pa)	75.05
Service point	
T.max (°C)	60
Q (m3/h)	5838.54
Ps (Pa)	74.71
Pd (Pa)	59.67
Pt (Pa)	134.39
Speed (m/s)	9.97
Pabs (kW)	0.47

## TECHNICAL DATA

### Fan

RPM	1400	Approx. weight	13 kg	Max. Flow	7260 m3/h
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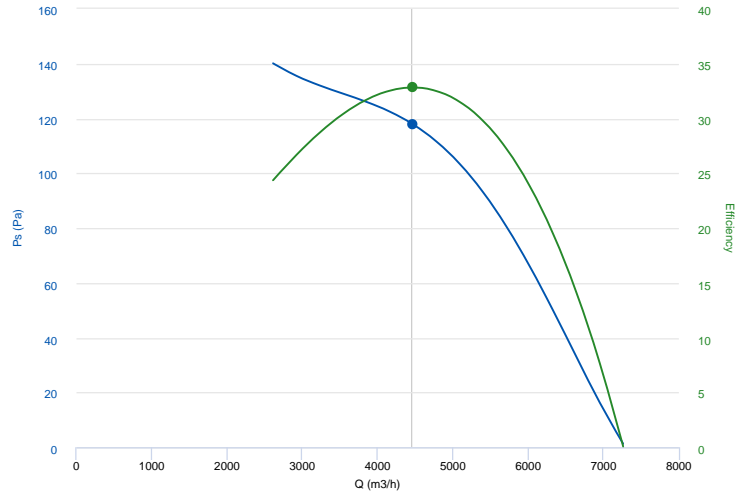
### Motor

Power	0,55 kW	RPM	1440	I max. (230V)	2,57 A	I max. (400V)	1,49 A
Size	80	Approx. weight	9 kg	Efficiency (%)	73.5 %		

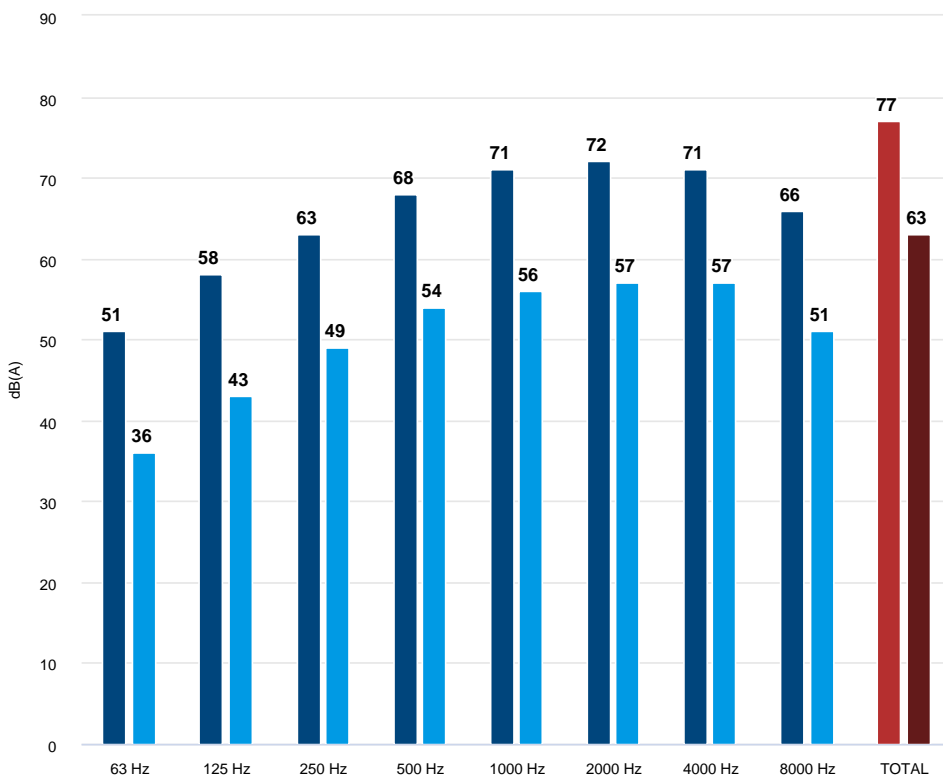
### ERP DATA

#### 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)	0.55	
	<b>Fan values</b>	<b>ERP Requirements 2015</b>
Max. efficiency (%)	32.81	31.5
Efficiency grade (N)	41.31	40
Pabs (kW)	0.453	
reports.flow (m3/h)	4467.33	
Static pressure (Pa)	117.89	
Speed (m/s)	1400	
Specific ratio	1.00	



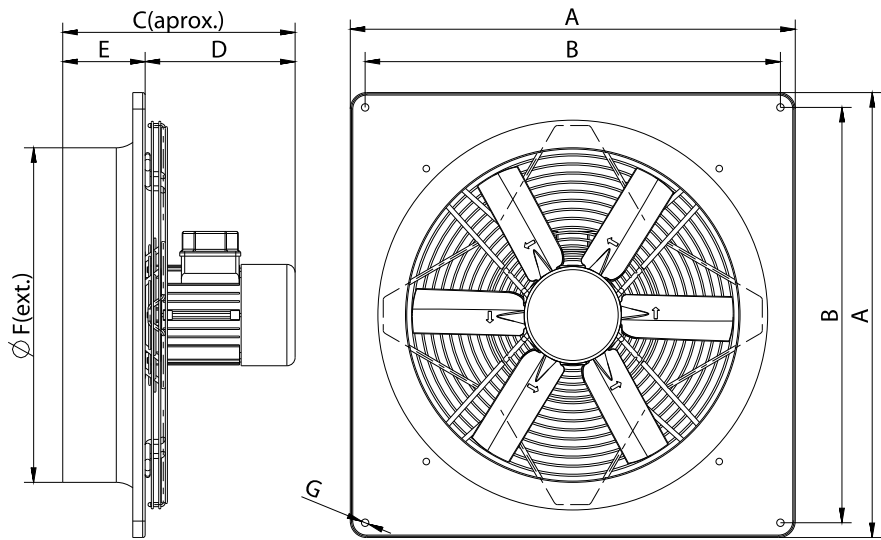
### ACOUSTIC DATA



Sound power	
63 Hz	51
125 Hz	58
250 Hz	63
500 Hz	68
1000 Hz	71
2000 Hz	72
4000 Hz	71
8000 Hz	66
TOTAL	77

Sound pressure 1.5m (in)	
63 Hz	36
125 Hz	43
250 Hz	49
500 Hz	54
1000 Hz	56
2000 Hz	57
4000 Hz	57
8000 Hz	51
TOTAL	63

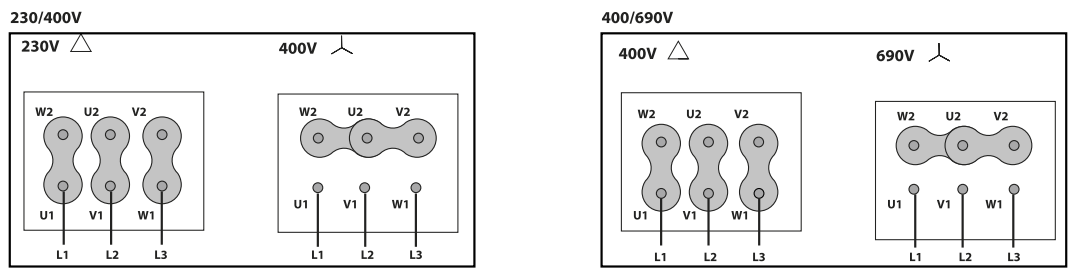
## DIMENSIONS



**Dimensions (mm)**

<b>A</b>	576	<b>B</b>	521,5	<b>C</b>	326	<b>D</b>	226	<b>E</b>	100
$\varnothing F$	455	$\varnothing G$	11						

## WIRING DIAGRAM



## ACCESSORIES



**SAFETY SWITCH**  
**INT 25 3P A**  
**REF: INT253PA**



**Outlet protection guard for axial fans**  
**RPO 45**  
**REF: 980000045**



**PLASTIC GRAVITY SHUTTER**  
**PCP 45**  
**REF: 963240105**



**ALUMINIUM GRAVITY SHUTTER**  
**PC2 50**  
**REF: PC25050**



**FREQUENCY SPEED CONTROLLER**  
**SFC 230 I 4,2A \***  
**REF: SFC230I004**



**FREQUENCY SPEED CONTROLLER**  
**SFC 400 III 2,2A \***  
**REF: SFC400III2**