

AF-L-1250-8\30\AM-8T-7.5

## AF Series



Nominal Diameter  
1250 mm



Hub Type  
16



Number of Blades  
8

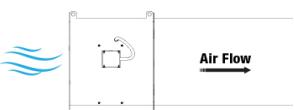
## Performance Curve

Performance Shown in diagrams refer to air density 1.2 kg/m<sup>3</sup>

Performance tested is for installation type B free inlet, ducted outlet.

Power rating (kW) does not include transmission losses.

Performance ratings do not include the effect of accessories.



BS ISO 5801 : 2017

Type B Installation

AMCA 210 : 2025



## Performance Data

- Fan Unit No. [As Per Schedule]	:	EX-01
- Design Air Flow [CFM]	:	24,012
- Design Static Pressure [Pa]	:	171
- Design Fan Input Power [kW]	:	4.06
- Design Motor Input Power [kW]	:	4.99
- Design Fan Static Efficiency [%]	:	47.7%
- Design Fan Total Efficiency [%]	:	62.4%
- Temperature [C°]	:	20
- Density [kg/m3]	:	1.2
- Fan Speed [RPM]	:	750
- Sound Pressure @ 3 m [dBA]	:	71.1
- Sound Power @ 3 m [dBA]	:	91.6

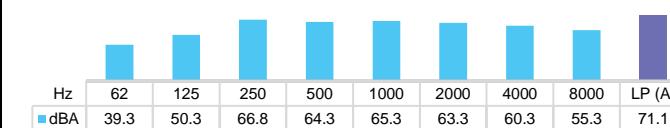
## Fan Data

- Impeller Type	:	Axial
- Blades Symbol	:	AM
- Blades Material	:	Aluminum
- Blades Angle [degree]	:	30
- Configurations (Hub-Blades)	:	16-8

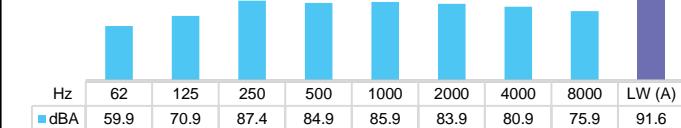
## Motor Data

- Motor Model	:	AGMEL 160 M 8b
- Motor Power [kW]	:	5.5
- No. of Poles	:	8
- Voltage [V]/Phase/Frequency [Hz]	:	380/3/50
- Motor Efficiency [%]	:	81.40%
- Insulation Class	:	F

Power spectrum of the sound pressure



Power spectrum of the sound power



$\eta$  [%]      Pshaft [kW]      Ps [Pa]

