

ebmpapst

The engineer's choice

Product Data Sheet 7856 ES



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1 General

Fan type	
Rotating direction looking at rotor	
Airflow direction	
Bearing system	Ball bearing
Mounting position - shaft	
Balancing grade	

2 Mechanics

2.1 General

2.2 Connections

Wire size (AWG)		
Insulation diameter		
Plug	See drawing	
Contact	See drawing	

3 Operating Data

3.1 Electrical Operating Data

3.2 Electrical Features

3.3 Aerodynamics

Measurement conditions: Measured with a double chamber intake rig.
 Normal air density = 1,2 kg/m³; Temperature 23°C +/- 3°C;
 In the intake and outlet area should not be any solid obstruction within 0,5 m. Motor shaft horizontal.
 The information is only valid under the specified test conditions and may be changed by the installation conditions. If there are deviations from the standard test conditions, the characteristic values must be checked under the installed conditions.

3.4 Sound Data

Measurement conditions: Sound pressure level: 1 meter distance between microphone and the air intake.
 Measured in a semianchoic chamber with a background noise level of Lp(A) < 5 dB(A)
 For further measurement conditions see chapter aerodynamics.

4 Environment

4.1 General

Min. permitted ambient temperature TU min.		
Max. permitted ambient temperature TU max.		
Min. permitted storage temperature TL min.		
Max. permitted storage temperature TL max.		

4.2 Climatic Requirements*)

not specified

5 Safety

5.1 Electrical Safety

5.2 Approval Tests

CE	EC Declaration of Conformity	No
EAC	Eurasian Conformity	No
UL	Underwriters Laboratories	No
VDE	Association for Electrical, Electronic and Information Technologies	No
CSA	Canadian Standards Association	No
CCC	China Compulsory Certification	Not applicable

6 Reliability

6.1 General

Life expectancy L10 at TU = 40 °C		
Life expectancy L10 at TU max.		

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