

AC Axial Fan 80×80×25 Series

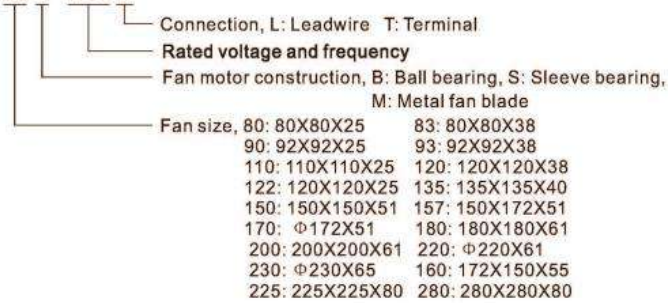
IEC/EN60034-1:2010

AC Axial Fan General Data

Electric motor: Shaded pole type AC electric motor design
 Frame: High quality aluminum alloy outside frame , anticorrosive and moisture proof structure
 Impeller: UL94V-0 70%PBT +30%FRP.
 Bearing: Sleeve bearing and ball bearing
 Insulation: Class B
 Insulation impedance: The case adds 500V DC to the coils, insulation impedance more than 100MΩ
 Dielectric strength: 0.5mA 1500V/AC min
 Safety protection: Impedance protection
 Operating temperature: -10 ~ +70℃
 Storage temperature: -40 ~ +70℃
 Protecting grade: IP54(after instillation of fan filter)

Ordering Information

PD80 S - 220 L

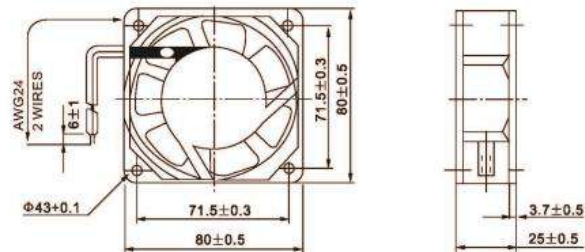


Technical parameter

Dimension (mm)	Model	Voltage (VAC)	Frequency (Hz)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flow (CFM)/m ³ /min	Pressure (mmH ₂ O)	Noise (dBA)	Weight (Gram)
80X80X25	PD80S-110	110/120	50/60	0.13	10	2300	21/0.59	0.11	22	250
	PD80S-127	110/127	50/60	0.14	10	2300	21/0.59	0.11	22	250
	PD80S-220	220/240	50/60	0.07	11	2300	21/0.59	0.11	22	250
80X80X25	PD80B-110	110/120	50/60	0.13	10	2300	21/0.59	0.11	22	250
	PD80B-127	110/127	50/60	0.14	10	2300	21/0.59	0.11	22	250
	PD80B-220	220/240	50/60	0.07	11	2300	21/0.59	0.11	22	250



Outline drawing



AC Axial Fan 120×120×38 Series
AC Axial Fan 135×135×40 Series



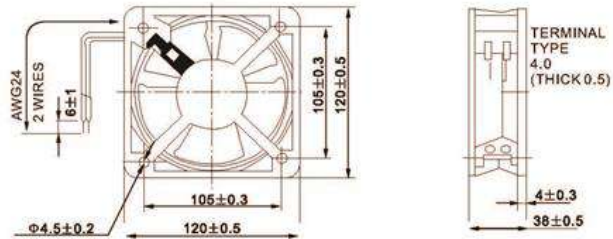
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Technical parameter

Dimension (mm)	Model	Voltage (VAC)	Frequency (Hz)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flow (CFM)/m ³ /min	Pressure (mmH ₂ O)	Noise (dBA)	Weight (Gram)
120X120X38	PD120S-110	110/120	50/60	0.14	18	2500	98/2.75	0.23	46.5	515
	PD120S-127	110/127	50/60	0.25	18	2500	98/2.75	0.23	46.5	515
	PD120S-220	220/240	50/60	0.08	19	2500	98/2.75	0.23	46.5	515
120X120X38	PD120B-110	110/120	50/60	0.14	18	2500	98/2.75	0.23	46.5	515
	PD120B-127	110/127	50/60	0.25	18	2500	98/2.75	0.23	46.5	515
	PD120B-220	220/240	50/60	0.08	19	2500	98/2.75	0.23	46.5	515

Outline drawing

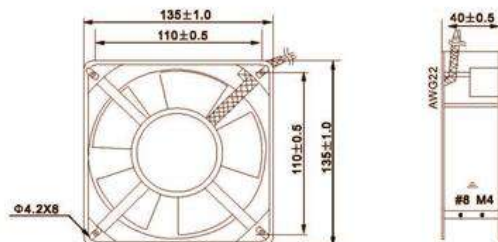


Technical parameter

Dimension (mm)	Model	Voltage (VAC)	Frequency (Hz)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flow (CFM)/m ³ /min	Pressure (mmH ₂ O)	Noise (dBA)	Weight (Gram)
135X135X40	PD135B-110	110/120	50/60	0.36	29	2350	113/3.2	0.29	44.3	570
	PD135B-220	220/240	50/60	0.18	29	2350	113/3.2	0.29	44.3	570



Outline drawing



AC Axial Fan 150×150×51 Series
AC Axial Fan 172×150×51 Series



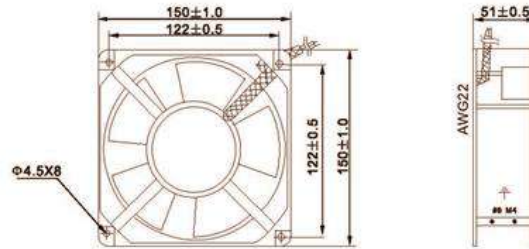
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Technical parameter

Dimension (mm)	Model	Voltage (VAC)	Frequency (Hz)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flow (CFM)/m ³ /min	Pressure (mmH ₂ O)	Noise (dBA)	Weight (Gram)
150X150X51	PD150B-110	110/120	50/60	0.38	24	2600	180/5.0	0.38	49.6	960
	PD150B-127	110/127	50/60	0.35	25	2600	180/5.0	0.38	49.6	960
	PD150B-220	220/240	50/60	0.18	28	2600	180/5.0	0.38	49.6	960



Outline drawing

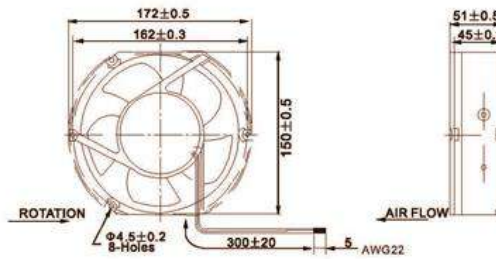


Technical parameter

Dimension (mm)	Model	Voltage (VAC)	Frequency (Hz)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flow (CFM)/m ³ /min	Pressure (mmH ₂ O)	Noise (dBA)	Weight (Gram)
172X150X51	PD157B-110	110/120	50/60	0.38	24	2600	180/5.0	0.38	49.6	870
	PD157B-127	110/127	50/60	0.35	25	2600	180/5.0	0.38	49.6	870
	PD157B-220	220/240	50/60	0.18	28	2600	180/5.0	0.38	49.6	870



Outline drawing



AC Axial Fan ϕ 172×51 Series
AC Axial Fan 180×180×61 Series



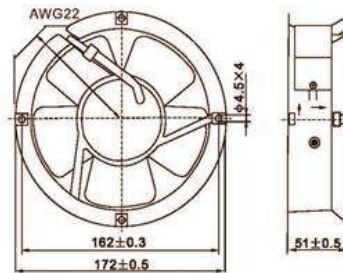
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Technical parameter

Dimension (mm)	Model	Voltage (VAC)	Frequency (Hz)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flow (CFM)/m ³ /min	Pressure (mmH ₂ O)	Noise (dBA)	Weight (Gram)
ϕ 172X51	PD170B-110	110/120	50/60	0.38	24	2600	180/5.0	0.38	49.6	908
	PD170B-127	110/127	50/60	0.35	25	2600	180/5.0	0.38	49.6	908
	PD170B-220	220/240	50/60	0.18	28	2600	180/5.0	0.38	49.6	908



Outline drawing

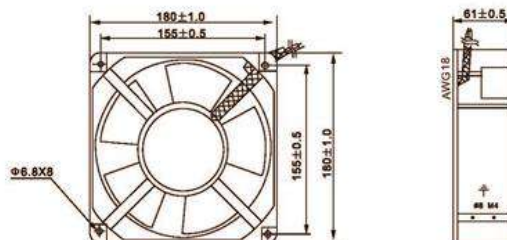


Technical parameter

Dimension (mm)	Model	Voltage (VAC)	Frequency (Hz)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flow (CFM)/m ³ /min	Pressure (mmH ₂ O)	Noise (dBA)	Weight (Gram)
180X180X61	PD180B-110	110/120	50/60	0.68	56	2630	264/7.50	0.60	58	1600
	PD180B-127	110/127	50/60	0.70	57	2630	264/7.50	0.60	58	1600
	PD180B-220	220/240	50/60	0.35	52	2630	264/7.50	0.60	58	1600



Outline drawing



AC Axial Fan 200×200×61 Series
AC Axial Fan ϕ 220×61 Series
AC Axial Fan ϕ 230×65 Series



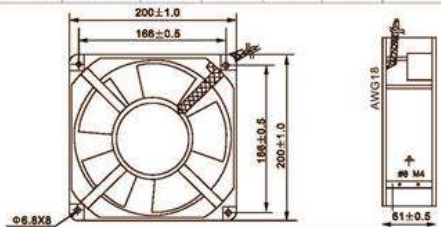
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Technical parameter

Dimension (mm)	Model	Voltage (VAC)	Frequency (Hz)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flow (CFM)/m ³ /min	Pressure (mmH ₂ O)	Noise (dBA)	Weight (Gram)
200X200X61	PD200B-110	110/120	50/60	0.73	65	2600	272/7.70	0.58	56	1690
	PD200B-127	110/127	50/60	0.76	65	2600	272/7.70	0.58	56	1690
	PD200B-220	220/240	50/60	0.38	60	2600	272/7.70	0.65	60	1690



Outline drawing

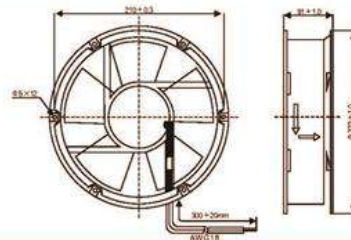


Technical parameter

Dimension (mm)	Model	Voltage (VAC)	Frequency (Hz)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flow (CFM)/m ³ /min	Pressure (mmH ₂ O)	Noise (dBA)	Weight (Gram)
ϕ 220X61	PD220B-110	110/120	50/60	0.73	65	2600	272/7.70	0.58	56	1610
	PD220B-127	110/127	50/60	0.76	65	2600	272/7.70	0.58	56	1610
	PD220B-220	220/240	50/60	0.38	60	2600	272/7.70	0.65	60	1610



Outline drawing

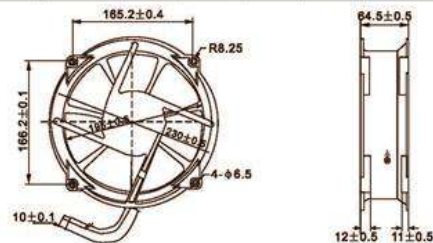


Technical parameter

Dimension (mm)	Model	Voltage (VAC)	Frequency (Hz)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flow (CFM)/m ³ /min	Pressure (mmH ₂ O)	Noise (dBA)	Weight (Gram)
ϕ 230X65	PD230B-110	110/120	50/60	0.50	49	2500	480/13.6	0.58	56	1690
	PD230B-127	110/127	50/60	0.52	50	2500	480/13.6	0.58	56	1690
	PD230B-220	220/240	50/60	0.25	55	2500	480/13.6	0.65	60	1690



Outline drawing



AC Axial Fan 225×225×80 Series Metal Impeller

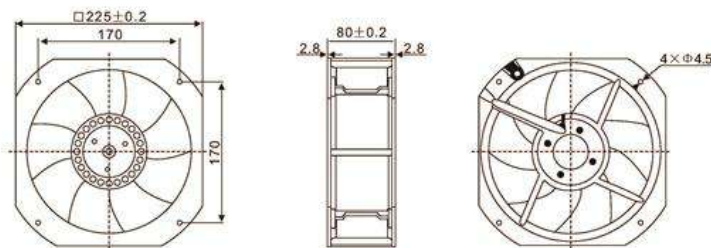
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General Specifications

- Motor Structure :Capacitor-run Induct external rotor motor
- Motor Protection :Thermal Protect(Standard Speed)
Impedance Protect(Half/Low Speed)
- Insulation Resistance:100M Ω or over with a DC500V Megger
- Insulating grade: B
- Dielectric Withstand Voltage: AC 1800V3s
- Allowable Ambient Temperature Range:20°C~+90°C(Operating)
-40°C~+90°C(Storage)
(under non condensation state)

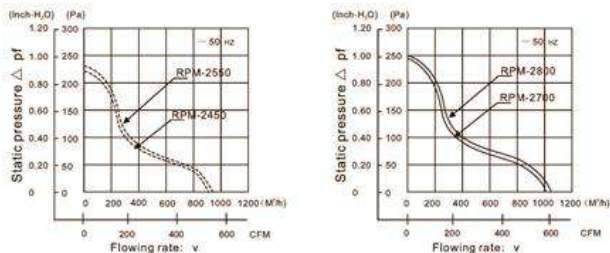
Outline [Units:(mm)]



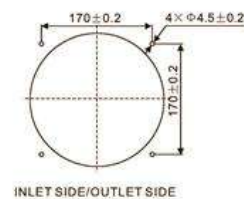
Material

- Casing :Die-cast aluminium
- Impeller :Sheet steel
(be welded into motor directly)
- Bearing :Ball bearings

Characteristic Curves



Panel Cut-out



Technical parameter

Dimension (mm)	Model	Voltage (VAC)	Frequency (Hz)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flow (CFM)/m³/min	Pressure (Pa)	Noise (dBA)	Weight (Gram)
225X225X80	PD225M-110	110/120	50/60	0.60	57	2600	546/15.5	230	66	2200
	PD225M-127	110/127	50/60	0.63	78	2600	546/15.5	230	66	2200
	PD225M-220	220/240	50/60	0.31	72	2600	546/15.5	230	66	2200