

## AC AXIAL FANS

### 240V AC FANS

SUNON Axial Fans, equipped a shaded-pole motor, die cast aluminium frame, and UL94V-0 rated injection moulded non-flammable thermoplastic impeller.

These most reliable AC Fan in the field is available in both life-lubricated Ball Bearing system and oil-impregnated sintered Sleeve Bearing system to meet the diverse needs of the market.

**Motor:** Reliable Shaded-Pole Motor Construction.  
**Frame:** Die-Cast aluminium painted black for moisture and corrosion resistance.  
**Impeller:** Injection molded non-flack thermoplastic UL94V-0 Rating  
**Bearing:** Precision, life-lubricated ball bearing system, oil-impregnated sintered sleeve bearing system.  
**Insulation:** Class B integral ground system rated at 120°C

**Safety Protection:** Impedance protected  
**Operating Voltage:** 185V to 245V 50Hz.  
**Dielectric Strength:** 1500VAC for one minute.  
**Insulation Resistance:** 500Megohms minimum at 500VDC  
**Operating Temperature:** -10 to +70°C

\*UL recognised - File E77551  
 \*CSA certified - File LR3300  
 \*VDE approved - File 1350



Part Number	Dimensions - (mm)	Type	Air Flow - (cfm)	Speed - (rpm)	Power - (W)	Current - (A)	Noise-(dBA)
SUN2123XBT	120 x 38	Ball Bearing	97	2850	22	0.14	45
SUN2123HST	120 x 38	Sleeve	85	2550	20	0.12	43
SUN2123HBT	120 x 38	Ball Bearing	87	2750	20	0.12	45
SUN2122HBT	120 x 25	Ball Bearing	66	2150	19	0.09	44
SUN2122HST	120 x 25	Sleeve	64	2000	19	0.09	43
SUN2092HBL	92 x 25	Ball Bearing	30	2350	14	0.07	37
SUN2083HBL	80 x 38	Ball Bearing	24	2400	14	0.07	32
SUN2083HSL	80 x 38	Sleeve	23	2300	14	0.07	31
SUN2082HBL	80 x 25	Ball Bearing	18	2450	14	0.07	30

### DC FANS

SUNON DC Brushless Fans, available in all plastic body and plastic blade, or Die-cast aluminium frame.

**Motor:** Reliable Shaded-Pole Motor Construction.  
**Bearing:** Precision Ball Bearing system, or Lubricated Sintered Sleeve Bearing system.  
**Insulation:** Class B integral ground system rated at 120°C  
**Safety Protection:** Electronic locked rotor protected.  
**Dielectric Strength:** Applied AC 500V for one minute.  
**Insulation Resistance:** 500Megohms between internal stator and lead wire measured by 500VDC

**Operating Temperature:** -10 to +70°C  
**Operating Voltage:** 12VDC (10.2 ~ 13.8V) or 24VDC (20.4 ~ 27.6V)

\*Low Noise - measured at 1m from fan intake  
 \*High Insulation Resistance - 10MΩ ? at 250Vdc  
 \*High Dielectric Strength - withstand 600 Vac for 2 seconds  
 \*All models have CSA/UL rating



Part Number	Dimensions - mm	Type	Voltage -(VDC)	Speed - (rpm)	Air Flow - (cfm)	Current - (Amps)	Power -(Watts)	Noise-(dBA)
KD1212PMS1	120 x 38	Sleeve	12	3000	107	0.57	6.8	41
KD1212PMB1	120 x 38	Ball Bearing	12	3100	108	0.57	6.8	42
KD2412PMB1	120 x 38	Ball Bearing	24	3100	108	0.31	7.4	42
KD1209PTS1	92 x 25	Sleeve	12	2700	49	0.25	3.0	34
KD1209PTB1	92 x 25	Ball Bearing	12	2800	50	0.25	3.0	34.5
KD1208PTS1	80 x 25	Sleeve	12	3000	42	0.22	2.6	34
KD1208PTB1	80 x 25	Ball Bearing	12	3200	42.5	0.22	2.6	36.5
KD2408PTS1	80 x 25	Sleeve	24	3000	41.7	0.14	3.4	34
KD1208PTB3	80 x 25	Ball Bearing	12	2500	31	0.13	1.6	28
KD1206PTS1	60 x 25	Sleeve	12	4500	21.7	0.19	2.3	34
KD1206PTB1	60 x 25	Ball Bearing	12	5100	22.1	0.19	2.2	34.3
KD2406PTS1	60 x 25	Sleeve	24	4500	21.7	0.11	2.6	34
KD1204PTS1	40 x 20	Sleeve	12	7000	6	0.12	2.0	30

### GUARDS AND LEADS

Part Number	Description	Size
T12472	Metal Finger Guard	60mm
TR476	Metal Finger Guard	80mm
TR471	Metal Finger Guard	120mm
AF80	Plastic Finger Guard	80mm
AF120	Plastic Finger Guard	120mm
SUNFILT	Filter Set	120mm
AZ - 10	Lead Set	1 metre

