Cooling Fan

- IP68 Certified
- IP68 Waterproof / Dustproof
- Outdoor use
- High Performance
- High Quality
- Customization offering

c UL us E89520 c UL us E329400 Fans: UL-GPWV2.E89520 , CUL-GPWV8.E89520 Motors: UL-PRGY2.E329400 , CUL-PRGY8.E329400

Index

AC Metal Fan (IP68) / DC Plastic Fan (IP68)	01
AC Metal Fan (IP55,IP56)	02
AC Metal Skeleton Fan (IP68,IP56) / DC Plastic Skeleton Fan	03
EC Plastic Fan / EC Centrifugal Fan	04
AC Plastic Fan / AC Centrifugal Fan	05
DC Metal Fan (IP55, IP56) / DC Centrifugal Fan	06
DC Plastic Fan	07
AC & DC Fan Motors / Ventilator	08
Fan Accessories	09

IP68

M205RAN series

M254GAN series

M280GAN series

AC Metal Fan (IP68)

Dustproof & Waterproof Fan Series

Frame Size (mm)	Sinwan Model No.	Voltage (VAC)	Freq. (HZ)	Referenced Speed (RPM)	Max. Airflow (CFM)	Max. Static Pressure (inch/H2O)	Noise Level db(A)
280x280x89	M280GAN11-1**	115	50/60	2800/3200	1150/1300	1.2/0.75	73
280x280x89	M280GAN22-1**	230	50/60	2800/3200	1150/1300	1.2/0.75	73
Dia.254x89	M254GAN11-1**	115	50/60	2800/3250	840/1000	0.78/0.60	70
Dia.254x89	M254GAN22-1**	230	50/60	2800/3250	840/1000	0.78/0.60	70
225x225x80	M225GAN11-1**	115	50/60	2700/3100	525/600	0.91/0.88	66
225x225x80	M225GAN22-1**	230	50/60	2650/3000	530/600	0.82/0.78	66
205x205x72	M205RAN11-1**	115	50/60	2800/3000	520/590	0.91/0.86	67
205x205x72	M205RAN22-1**	230	50/60	2800/3000	520/590	0.91/0.86	67
200x200x70	M200RAN11-1**	115	50/60	2800/3300	430/485	0.82/0.93	68
200x200x70	M200RAN22-1**	230	50/60	2800/3300	430/485	0.82/0.93	68
176x176x89	M180GAN11-1**	115	50/60	2750/3250	330/380	0.69/0.76	63
176x176x89	M180GAN22-1**	230	50/60	2750/3250	330/380	0.69/0.76	63
180x180x65	M180FAN11-1**	115	50/60	2750/3250	330/400	0.75/0.80	65
180x180x65	M180FAN22-1**	230	50/60	2750/3250	330/400	0.75/0.80	65

** = "WB" for wire lead type Ball bearing, or "TB" for terminal type Ball bearing.

DC Plastic Fan (IP68)

Dustproof & Waterproof Fan Series

Frame Size (mm)	Sinwan Model No.	Voltage (VDC)	Freq. (HZ)	Referenced Speed (RPM)	Max. Airflow (CFM)	Max. Static Pressure (inch/H2O)	Noise Level db(A)
172x150x51	SD175SAP-12H**	12	50/60	3200	230	0.75	51
172x150x51	SD175SAP-24H**	24	50/60	3300	235	0.79	52
172x150x51	SD175SAP-48H**	48	50/60	3300	235	0.79	52
120x120x38	SD1238PT-12H**	12	50/60	3000	88	0.29	42
120x120x38	SD1238PT-24H**	24	50/60	3100	90	0.31	42
120x120x38	SD1238PT-48H**	48	50/60	3100	90	0.31	42
120x120x25	SD1225PT-12H**	12	50/60	2900	86	0.24	42
120x120x25	SD1225PT-24H**	24	50/60	2900	86	0.24	42
120x120x25	SD1225PT-48H**	48	50/60	2900	86	0.24	42
92x92x25	SD9225PT-12H**	12	50/60	2900	50	0.24	35
92x92*25	SD9225PT-24H**	24	50/60	2900	50	0.24	33
80x80x25	SD8025PT-12H**	12	50/60	3300	40	0.23	33
80x80x25	SD8025PT-24H**	24	50/60	3300	40	0.23	33
60x60x25	SD6025PT-12H**	12	50/60	4000	25	0.22	30
60x60x25	SD6025PT-24H**	24	50/60	4000	25	0.22	30
60x60x20	SD6020PT-12H**	12	50/60	4700	18	0.16	28
60x60x20	SD6020PT-24H**	24	50/60	4700	18	0.16	28

** = "WB" for wire lead type Ball bearing, or "TB" for terminal type Ball bearing.

AC Metal Fan (IP55,IP56)

80x80x38mm
Max.33 CFM
M838AP series

92x92x38mm
Max.55 CFM
M938AP series

120x120x32mm
Max.73 CFM
M1232AN series

120x120x38mm
Max.105 CFM
M109AP series

127x127x38.5mm
Max.128 CFM
M127AN series

150x172x38.5mm
Max.240 CFM
M150AP (MS) series

150x172x55mm
Max.210 CFM
M172EAP series

150x172x55mm
Max.250 CFM
M172EAP (MS) series

150x172x55mm
Max.310 CFM
M172EAP (C7) series

Dia.172x51mm
Max.215 CFM
M172RAP series

Dia.172x51mm
Max.260 CFM
M172RAP (MS)series

Dia.172x51mm
Max.310 CFM
M172RAP (C7)series

172x150x51mm
Max.210 CFM
M172SAP series

172x150x51mm
Max.250 CFM
M172SAP (MS) series

172x150x51mm
Max.310 CFM
M172SAP (C7) series

180x180x65mm
Max.400 CFM
M180FAN series

176x176x89mm
Max.380 CFM
M180GAN series

200x200x70mm
Max.485 CFM
M200RAN series

205x205x72mm
Max.590 CFM
M205RAN series

225x225x80mm
Max.600CFM
M225GAN series

Speciafication

Motor: Shaded pole or capacitor induction motor, external rotor
Motor Protection: Thermal protector or Impedance protected
Frame: Aluminum die-cast, black color or natural color
Impeller: Metal blades
IP Protection: IP55, IP56
Bearing: Two ball bearings
Rotation: CW or CCW view from label side
Operating Temp: -30°C~+80°C (non-condensing)
Storage Temp: -40°C~+100°C (at 65%RH)
Life Expectancy: 50,000 hours at 55°C
Dielectric Strength: Over 1 min. at 1,500 VAC, 50/60Hz
Insulation Resistance: Over 100 MΩ at DC 500V
Connection: Wire leads or terminal type

Dia.254x89mm
Max.930CFM
M254GAN(3) series

Dia.254x89mm
Max.1000CFM
M254GAN series

280X280x89mm
Max.1300CFM
M280GAN series

AC Metal Skeleton Fan (IP68,IP56)

MK838(Dia.75x35mm)
Air Flow: 33~18 CFM

MK938(Dia.85x35mm)
Air Flow: 55~27 CFM

MK1232(Dia.113x29mm)
Air Flow: 73~36 CFM

MK109(Dia.113x35mm)
Air Flow: 105~60 CFM

MK127(Dia.120x41mm)
Air Flow: 128~65 CFM

MK150(Dia.140x44mm)
Air Flow: 195~100 CFM

MK172E(Dia.140x56mm)
Air Flow: 210~95 CFM

MK180F(Dia.168x79mm)
Air Flow: 390~200 CFM

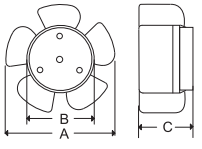
MK200(Dia.172x87mm)
Air Flow: 485~160 CFM

MK205R(Dia.197x79mm)
Air Flow: 630~220 CFM

MK254(Dia.219x87mm)
Air Flow: 1000~370 CFM

MK280(Dia.245x87mm)
Air Flow: 1300~450 CFM

Information



Model No./Series	Dimensions A×B×C mm (inch) A×B×C
MK838	75×59×30 (2.95×2.32×1.81")
MK938	85×59×30 (3.35×2.32×1.81")
MK1232	113×59×23 (4.45×2.32×0.90")
MK109	113×59×30 (4.45×2.32×0.90")
MK150	140×74.5×30.5 (5.51×2.93×1.20")
MK172E	140×74.5×40.5 (5.51×2.93×1.59")
MK180F	160×73×48.9 (6.30×2.87×1.93")
MK200RAN	172×88×79 (6.77×3.46×3.11)
MK205	197×88×79 (7.75×3.46×3.11)
MK254GAN	219×88×87 (8.62×3.46×3.43)
MK280GAN	245×88×87 (9.65×3.46×3.43)

- 100, 200, 240V or special voltages 12, 24, 28, 38, 42, 48, 380, 440, 480V... 50/60Hz, & any voltages available.
- Dual speed High/Medium 1/2, Medium/Low 2/3 available on request.
- Sinwan reserves the right to change data and improve electrical & mechanical design without notice.

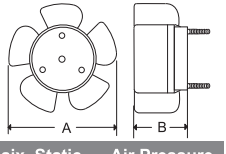
DC Plastic Skeleton Fan

SDK938

SDK1238

SDK180

SDK254



Sinwan Model Series	Impeller Size (AxB) mm	Airflow Range CFM	Airflow Range m3/min	Maix. Static Inch/H2O	Air Pressure mm/H2O
SDK6025 -Plastic Impeller	Dia.56x25	38~12	1.1~0.34	0.22~0.09	5.6~2.3
SDK8025 -Plastic Impeller	Dia.72x25	48~22	1.36~0.62	0.23~0.10	5.8~2.5
SDK9225 -Plastic Impeller	Dia.82x25	57~25	1.6~0.71	0.24~0.15	6.1~3.8
SDK938 -Plastic Impeller	Dia.82x36	80~60	2.27~1.70	0.45~0.22	11.4~5.6
SDK1225 -Plastic Impeller	Dia.108x30.5	86~45	2.44~1.27	0.24~0.13	6.1~3.3
SDK1238 -Plastic Impeller	Dia.108x36	105~65	2.83~1.84	0.28~0.15	7.1~3.8
SDK180 -Plastic Impeller	Dia.163x66	405~240	11.5~6.80	0.71~0.22	18.8~5.6
SDK254 -Plastic Impeller	Dia.215x68	830~340	23.5~9.63	0.78~0.23	19.8~5.8

Speciafication

-Motor: Microprocessor cpu control or standard brushless DC, auto cutoff/restart, locking & polarity protected
Optional Functions: RD Alarm, FG Tachometer, Speed control NTC thermistor, PWM or control voltage speed setting
-Motor Case: Aluminum die cast, natural color treatment or black color cosmetics
-Impeller: Glass fiber reinforced PBT thermoplastic, UL94V-0 impeller
-Bearing System: Two high precision permanently lubricated ball bearings
-Operating Temp: Ambient non-condensing acceptable range 30℃~+70℃
-L10 Life: MTBF Formula L10 indoor life test 120K hours at 35℃, 40K hours at 60℃
-Dielectric Strength: 500VAC/sec., Max leakage 0.5mA

EC Fan

SE838PT series

SE1238PT series

SE172AP series

EC Plastic Fan

Dustproof & Waterproof IP55, IP56 Optional request

Frame Size (mm)	Sinwan Model No.	Voltage (VAC)	Input Power (Watt)	Referenced Speed (RPM)	Max. Airflow (CFM)	Max. Static Pressure (inch/H2O)	Noise Level db(A)
172x150x51	SE172AP-11-1**	115	64	5000	371.8	1.5	69
172x150x51	SE172AP-22-1**	230	55	5000	371.8	1.5	69
120x120x38	SE1238PT-11-1**	115	6.5	3000	133.8	0.42	48
120x120x38	SE1238PT-22-1**	230	6.5	3000	133.8	0.42	48
120x120x25	SE1225PT-11-1**	115	4.0	3000	80	0.26	40
120x120x25	SE1225PT-22-1**	230	4.0	3000	80	0.26	40
92x92x38	SE938PT-11-1**	115	12	4500	86.3	0.5	56
92x92x38	SE938PT-22-1**	230	12	4500	86.3	0.5	56
92x92x32	SE932PT-11-1**	115	6.0	3500	55.66	0.17	43
92x92x32	SE932PT-22-1**	230	6.0	3500	55.66	0.17	43
92x92x25	SE925PT-11-1**	115	4.5	2600	56	0.16	35
92x92x25	SE925PT-22-1**	230	4.5	2600	56	0.16	35
80x80x38	SE838PT-11-1**	115	9.0	5000	62.3	0.45	52
80x80x38	SE838PT-22-1**	230	9.0	5000	62.3	0.45	52
80x80x25	SE825PT-11-1**	115	4.0	3000	40.2	0.18	38
80x80x25	SE825PT-22-1**	230	4.0	3000	40.2	0.18	38

** = "WB" for wire lead type Ball bearing, or "TB" for terminal type Ball bearing.

EC Centrifugal Fan

Dia.400x201.5mm
Max.1645 CFM
MCE400WAN

Dia.355x195mm
Max.2120 CFM
MCE355WAN

Dia.310x181mm
Max.1005 CFM
MCE310VAN

Dia.280x131mm
Max.810 CFM
MCE280KAN

Dia.250x131mm
Max.660 CFM
SCE250KAN

Dia.225x125mm
Max.590 CFM
SCE225KAN

Dia.220x97mm
Max.340 CFM
SCE220HAN

Dia.190x95mm
Max.360 CFM
SCE190HAN

Dia.175x96.5mm
Max.350 CFM
SCE175HAN

Dia.133x110mm
Max.180 CFM
SCE133JAN

AC Plastic Fan

80x80x25.5mm
22~16 CFM
S825AP series

80x80x38mm
31~17 CFM
S80AP series

92x92x25.5mm
35~21 CFM
S92AP series

92x92x38.5mm
52~26 CFM
S938AP series

120x120x25mm
75~42 CFM
S125AP series

120x120x32mm
82~25 CFM
S1232AN series

120x120x38.5mm
105~43 CFM
S109AP series

127x127x38.5mm
135~55 CFM
S127AP series

172x150x38.5mm
210~105 CFM
S150AP series

172x150x51mm
220~118 CFM
S162SAP (MS) series

160x160x62mm
Max.345 CFM
S160AP series

172x150x51mm
Max.310 CFM
S175SAP series

Dia.172x51mm
Max.320 CFM
S172RAP(7) series

150x172x55mm
Max.265 CFM
S172EAP (C7) series

180x180x65mm
405~120 CFM
S180FAP series

200x200x70mm
510~190 CFM
S200RAP series

205x205x72mm
630~310 CFM
S205AP series

225x225x80mm
Max.692 CFM
S225AP series

Dia.254x89mm
Max.1030 CFM
S254RAP(7) series

280x280x88.9mm
1450~450 CFM
S280RAP series

AC Centrifugal Fan

AC Centrifugal Fans Sizes : Ø133~355mm

Max Airflow : 165~1,300CFM

PFA13RAN series

PFA17RAN series

PFA225GAN series

MFA305AN series

DC Metal Fan (IP55,IP56)

Dustproof & Waterproof Fan Series

Frame Size (mm)	Sinwan Model Series	Voltage (VDC)	Referenced Max. Speed (RPM)	Max. Airflow (CFM)	Max. Static Pressure (inch/H2O)	Noise Level db(A)
280x280x88.9	MD280GAN -Metal Impeller	12V,24V,48V	Max.2550 RPM	Max.1200 CFM	0.90~0.51	72~48
Dia.254x88.9	MD254AN -Metal Impeller	12V,24V,48V	Max.3000 RPM	Max.980 CFM	1.1~0.42	72~40
Dia.254x88.9	MD254AP -Metal Impeller	12V,24V,48V	Max.3000 RPM	Max.820 CFM	0.59~0.25	66~36
225x225x80	MD200AN -Metal Impeller	12V,24V,48V	Max.3900 RPM	Max.815 CFM	1.15~0.58	68~41
200x200x70	MD200RAP -Metal Impeller	12V,24V,48V	Max.3900 RPM	Max.510 CFM	1.25~0.65	68~43
180x180x65	MD180FAP -Metal Impeller	12V,24V,48V	Max.3800 RPM	Max.480 CFM	0.88~0.38	66~38
172x150x55	MD175EAP -Metal Impeller	12V,24V,48V	Max.4400 RPM	Max.335 CFM	1.15~0.49	66~37
Dia.172x51	MD175RAP -Metal Impeller	12V,24V,48V	Max.4350 RPM	Max.325 CFM	1.25~0.56	66~36
172x150x51	MD175SAP -Metal Impeller	12V,24V,48V	Max.4350 RPM	Max.325 CFM	1.25~0.58	66~37
172x150x38.5	MD173AP -Metal Impeller	12V,24V,48V	Max.4300 RPM	Max.270 CFM	1.03~0.5	64~39
120x120x38	MD1238AP -Metal Impeller	05V,12V,24V,48V	Max.3800 RPM	Max.140 CFM	0.45~0.35	47~35

Speciafication

Motor: Microprocessor brushless DC Motor, auto cutoff, auto restart
Motor Protection: Electronically protected, polarity protected
Frame: Aluminum die-cast, black color or natural color
Impeller: Metal blades
IP Protection: IP55, IP56
Bearing: Two ball bearings
Rotation: CW or CCW view from label side
Operating Temp: -20°C~+65°C (non-condensing)
Storage Temp: -40°C~+80°C (at 65%RH)
Life Expectancy: L10 50K hours at 50°C

MD175EAP series

MD280GAN series

DC Centrifugal Fan

DC Centrifugal Fans Sizes : Ø133~250mm

Max Airflow : 257~790CFM

PFD133RAN series

PFD175RAN series

PFD225HAN series

PFD250JAN series

Motor Functions : Tacho F/G, Alarm R/D.
Speed control : Thermal NTC-S/C, PWM, External voltage control speed- S/V.

DC Plastic Fan

25x25x10mm
2.8~1.5 CFM
SD2510PT series

30x30x10mm
5.1~2.5 CFM
SD3010PT series

40x40x10mm
5~2.5 CFM
SD4010PT series

40x40x20mm
9.7~4.8 CFM
SD4020PT series

50x50x9mm
12~8 CFM
SD5009PT series

50x50x12mm
14~7 CFM
SD5012PT series

50x50x15mm
15~11 CFM
SD5015PT series

60x60x11mm
15~10 CFM
SD6010PT series

60x60x15mm
26~14 CFM
SD6015PT series

60x60x20mm
23~10 CFM
SD6020PT series

60x60x25mm
38~12 CFM
SD6025PT series

80x80x15mm
39~28 CFM
SD8015PT series

80x80x20mm
40~27 CFM
SD8020PT series

80x80x25mm
64~22 CFM
SD8025PT series

92x92x25mm
66~25 CFM
SD9225PT series

92x92x38mm
75~58 CFM
SD938AN series

120x120x25mm
86~45 CFM
SD1225PT series

120x120x25mm
120~70 CFM
SD1225PT (MS) series

120x120x32mm
112~62 CFM
SD1232AN series

120x120x38mm
180~103 CFM
SD1238PT (MS) series

120x120x38.5mm
135~70 CFM
SD1238AP(7) series

127x127x38.5mm
145~86 CFM
SD127AN series

172x150x38.5mm
255~120 CFM
SD173AP series

172x150x51mm
320~125 CFM
SD175SAP series

Dia.172x51mm
320~130 CFM
SD175RAP series

150x172x55mm
300~150 CFM
SD175EAP series

180x180x65mm
500~215 CFM
SD180FAP series

200x200x70mm
505~280 CFM
SD200RAP series

Dia.254x88.9mm
1050~700 CFM
SD254GAN series

280x280x88.9mm
1200~780 CFM
SD280GAN series

AC & DC Fan Motors / Ventilator

OEM/ODM/OBM Manufacturing, Engineering & Marketing Services

AC & Brushless DC Motors 馬達

Input available 3~600Watts

Skeleton Axial Fans 無框扇

Dia.2.4~12" / 60~305mm

Airflow 20~1,500CFM / 0.6~42 M^3/Min.

Ribbing Axial Fans 網架扇

Dia.3~12" / 80~305mm

Airflow 30~1,500CFM/ 0.8~43 M^3/Min.

Box Axial Fans 軸流扇

Dia.1~13" / 20~335mm

Airflow 3~1,450CFM / 0.1~41 M^3/Min.

Blowers & Cross Fans 鼓風機 & 橫流扇

Blowers Sizes : 2.5~13" / 90~330mm

Airflow 30~400CFM / 0.1~17 M^3/Min.

Cross Fans Sizes : Fan blades ⌀1.2~3.5" / ⌀30~90mm

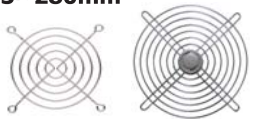
Airflow available : 7~730CFM / 0.2~21 M^3/Min.

Fan Accessories

Metal Fan Guards 鐵 網

Sizes : 1~11" / 25~280mm

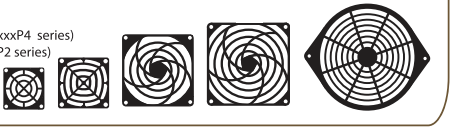
Steel wires, electroplated finish cosmetics, nickel chrome plated, bright color.
Black color electro deposit available on request.
Welding joints strength to meet UL Standards minimum 100kgs (220 lbs) separation force.
Patterned push-on type wire form metal guards are available on request.
Customer's design is acceptable & welcome!



Plastic Fan Guards 塑 膠 網

Sizes : 1.57~3.15" / 40~172mm

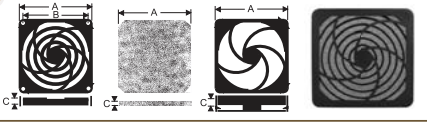
Glass fiber reinforced ABS UL94V-0 for thru hole types (GxxxP & GxxxP4 series)
Reinforced thermoplastic Nylon UL94-HB for push-on types(GxxxP2 series)
Quality and safety guards full range from 25-300mm (1-11 inch).
Customers' designs and special specifications are welcome!



Plastic Filter Kits 塑 膠 濾 網

Sizes : 1.57~3.15" / 40~172mm

Guard
Retainer
Media 30 or 45 PPI
Guard + Retainer + Media 30 PPI
Guard + Retainer + Media 45 PPI



Metal Fan Screens 金 屬 濾 網

Sizes : 2.36~6" / 60~172mm

General Description

- Tightly woven steel corrugated mesh screen encased in a formed aluminum frame (*Woven aluminum corrugated mesh screen on request)
- Screen hole mesh 30 PPI normally
- Built for ruggedness and durability, cleanable and easy for service
- Decreasing noise level while creating low air restriction
- To provide maximum airflow with effective filtering
- Different finishes are available for cosmetic purposes

Ventilator Filter Kits 風 機 濾 網 組

For Fan Sizes : 4.7~11" /119~280mm

RFG (Retainer+Filter+Grille=Prown RFG)

Specifications:
•Grille & Retainer (G & R): Made of thermoplastic ABS resin, rated UL94V-0, UV resistance.
•Filter Media (F): Made of polyester fiber. Thickness 10mm.

Anti-UV
IP54

A Type (hinged type)

B Type (slide type)