Model Information

S254 ❶ — AP ❷ — 22 ❸ — 1 ❹ (T ❺ B ❻ F ❼)

Series (size mm/inch)

*Plastic impeller tubeaxial fans:
- S825AP (80x80x25.5/3" 25~15CFM)
- S80AP (80x80x38/3" 31~17CFM)
- S92AP (92x92x25.5/3.6" 35~21CFM)
- S938AP (92x92x38.5/3.6" 52~26CFM)
- S125AP (120x120x25.5/4.7" 81~42CFM)
- S1232AP (120x120x32/4.7" 102~36CFM)
- S109AP (120x120x38.5/4.7" 105~43CFM)
- S119AP (120x120x38.5/4.7" 125~41CFM)

* 7blade, high performance
- S127AP (127x127x38.5/5" 130~55CFM)
- S150AP (172x150x38.5/6" capacitor 210~105CFM)
- S173SAN (172x150x38.5/6" shsdes pole 203~90CFM)
- S162AP (172x150x51/6" 215~115CFM)
- S162SAP (172x150x51/6" 215~110CFM)
- S162RAP (Dia.172x51/6" shaded pole 225~112CFM)
- S162EAP (150x172x55/6" 230~110CFM)
- S172SAP (172x150x51/6" capacitor 235~100CFM)
- S172RAP (Dia.172x51/6" capacitor 238~115CFM)
- S172EAP (150x172x55/6" capacitor 230~105CFM)
- S180FAP (180x180x65/7" 405~120CFM)
- S180GAP (176x176x89/7" 410~190CFM)
- S200RAN (Dia.200x70/8" 510~190CFM)
- S232AP (Dia.232x80/9.13" 550~290CFM)
- S205AP (205x205x72/8" 630~310CFM)
- S254AP (Dia.254x89/10" 680~460CFM)
- S254AP-IP56 (Dia.254x89/10" IP-56 670~340CFM)
- S254RAN (Dia.254x89/10" 860~340CFM)
- S254RAN(R7) (Dia.254x89/10" 1030~560CFM)
- S280RAN (280x280x88.9/11" 1450~460CFM)

* Blowers:
- SB800AN (125x126x39 30~11CFM)
- SB800AP (126x126x41 32~10CFM)
- SB906 (164x145x145 200~130CFM)
- SB908AN (183x190x70 100~45CFM)
- SB960AN (330x330x89 680~350CFM)

Case/Frame
- AP-Aluminum Black color cosmetics
- AN-Aluminum Natural color treatment
- PT-Plastic
- ZP-Zinc, black
- ZN-Zinc Natural

Voltage Vac
- 10-100V
- 11-100~120 115V
- 20-200V
- 22-200~240 230,240V
- 24-240~260V
- 38-380~400V
- 44-440~480V
- 2-12V
- 4-24V
- 6-28V
- 8-48V
- 11/22-dual voltage 115/230V 120/240V

Speed
- 1-High standard
- 2-Medium half
- 3-Low
- 3(33)-Extra low
- 1/2-Dual speed High/Med
- 2/3-Dual speed Med/low
- 1/2/3-Triple speed

Connecting
- W-Wire leads
- T-Terminal Push-in pins or Terminal block

Bearing
- B-Ball bearing
- S-Sleeve

Function
- F-F/G Tachometer
- R-R/D Alarm for motor slow down

CE c UL us E89520 TÜV Rheinland BAUART GEPRÜFT TYPE APPROVED RoHS Compliant

Item❶~❹ = model No.shown on lable
Item❺~❼ =full Sinwan model numbers

Prefix :
S-Plastic impeller, plastic fan blade AC fan

GENERAL INFORMATION

Motor design : Shaded pole, capacitor inductin, or outer rotor Shaded pole design with 2 or 4 Pole, single phase.
* 3 phase motor available for higher input motors

Housing Frame & Impeller : Normally Aluminum die casting housing & frame. Impeller & fan blace made of plastic or all metal for choice.

Safety : All Sinwan Fan Motors are designed to meet UL, CUL, CSA, VDE, TUV, CE & RoHS Standards.
UL, CUL Listed E89520, CSA Certified LR66833, TUV approved R3-50006772, CE report TUV No.10006231001

Warranty : Sinwan fan Motors are warranted to be free of defects in material and workmanship fpr one year form the date of delivery at normal ambiont conditions

Life Expectancy : Ball bearing Over 50,000 hours at 45°C, 65% RH humidity based on MTBF/Formula L10
Sleeve bearing Approx. 20,000 hours at 35°C, 65% RH humidity

Ambient Temperature : Ball bearing -25°C ~ + 85°C , storage -40°C ~ + 100°C
Sleeve bearing -15°C ~ + 50°C , storage -30°C ~ + 100°C

Ambient Humidity : Ball bearing RH20%~85%, higher RH available on request, Sleeve bearing RH20%~80%
* IP54, IP56 Water & dust proof AC Fans available on request

Insulation Resistance : 100M or more at DC 500V for AC fan motors, 10 Mega or more for DC fan motors

Dielectric Strength : 1 minute at 1,500 VAC/0.5mA, 50~60Hz for AC fans, 500VAC/0.5mA for DC fans.

Noise Levels : Measured at 1 meter from the surface of fan air outlet direction

Motor Protection : All Sinwan Fan Motors are manufactured to prevent motor burn-out failure caused by restriction of rotating parts.
Safety protection impedance or thermal protection is used for all fan motors.