

## Model Information

**M 109 AP 22 - 1 W B ( F )**

**Series Name**  
 M-Metal Impeller  
 MK-Skeleton Metal Impeller

**Frame Size(mm)**  
 838 : 80x80x38 (Max. 33CFM)  
 938 : 92x92x38 (Max. 55CFM)  
 1232: 120x120x32 (Max. 87CFM)  
 109 : 120x120x38.5 (Max. 105CFM)  
 127 : 127x127x38.5 (Max. 128CFM)  
 150 : 172x150x38.5 (Max. 178CFM)  
 172S: 172x150x51 (Max. 210CFM)  
 172R: Round 172x51 (Max. 215CFM)  
 172E: 150x172x55 (Max. 210CFM)  
 180F: 180x180x65 (Max. 390CFM)  
 180G: 176x176x89 (Max. 400CFM)  
 200R: Dia. 200x70 (Max. 425CFM)  
 254AN: Dia. 254x89 (Max.835CFM)  
 254GAN: Dia. 254x89 (Max.1000CFM)  
 280GAN: 280x280x89 (Max.1300CFM)

**Frame**  
 AN-Aluminum natural treatment  
 AP-Aluminum optional black color treatment  
 ZN-Zinc, natural treatment  
 ZP-Zinc, optional color treatment

**Voltage(VAC)**  
 11 -115V  
 22 -230V  
 38 -380V  
 44 -440V  
 2 -12V  
 4 -24V  
 6 -28V  
 8 -48V  
 Dual Voltage  
 11/22 -115V/230V

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

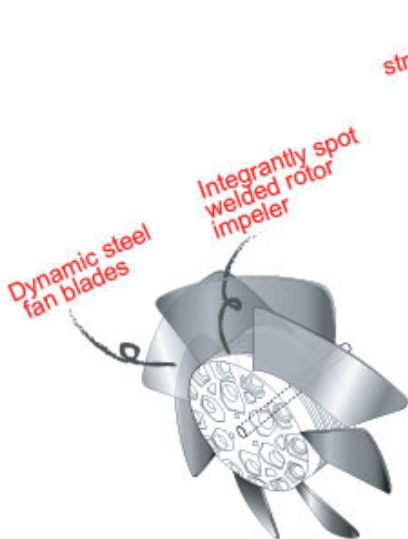
**Bearing**  
 B-Two Ball Bearings

**Connecting**  
 W-Wire Lead Type  
 T-Terminal push-in Flat Pins or Terminal block

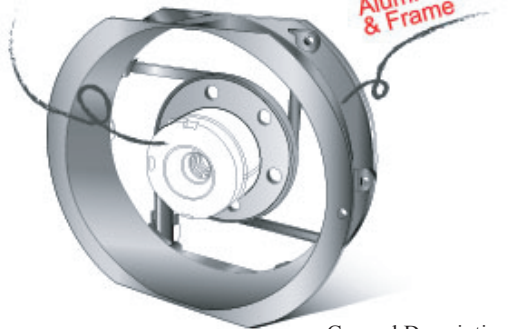
**Speed**  
 1-High Speed  
 2-Medium Speed  
 3-Low Speed  
 3(33)-Extra Low Speed  
 1/2-Dual Speed (High / Medium)  
 2/3-Dual Speed (Medium / Low)  
 1/2/3-Multiple (High / Medium / Low)



High heat resistant metal fans



strong wired stator



**General Description:**

Motor: External rotor, shaded pole, insulation Class B  
 Frame: Aluminum die casting  
 Impeller: Steel fan blades integrantly spot welded into rotor  
 Bearing System: Two permanently lubricated ball bearings  
 Operating Temp: Ambient acceptable range -30°C~+90°C

**Sinwan Taipei Factory**



Rotor impeller spot welding



Dynamic balancing



Motor winding