AIRODYN

ANPF902512PBH54

90mm by 90mm by 25mm, 12VDC AXIAL FAN, 4 wire PWM, 3rd wire tachometer

Summary –

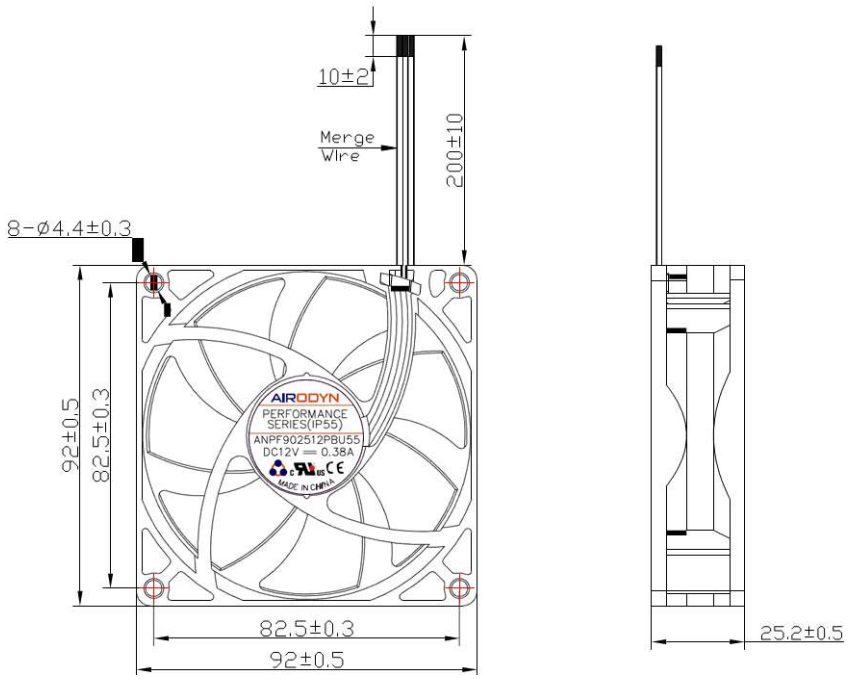
High flow 90`mm axial fan with 4th wire PWM input at 25KHz and 3rd wire tachometer output signal. 70K hours continuous life at 40 degrees C ambient, IP54, rotor board coating (Humiseal® 1A27)

UL and CE approved. Other 3rd and 4th wire options available ('high on pass' / 'low on pass').

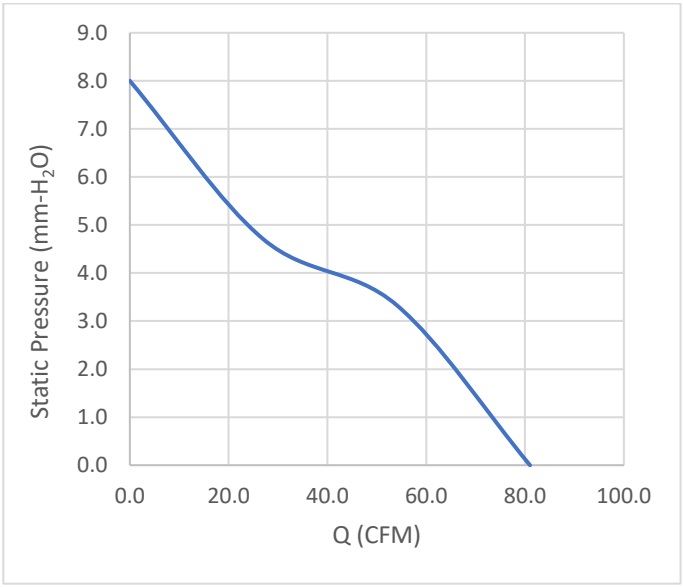
Features -

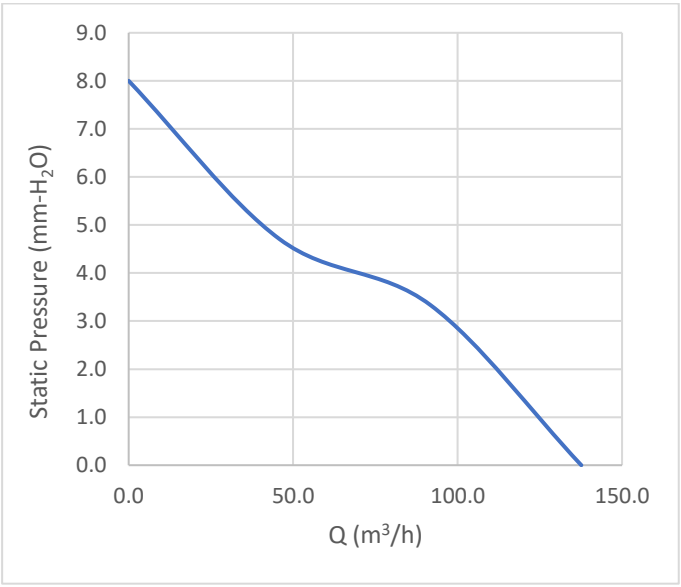
- 4 wire input 12VDC, 3rd wire 'tachometer' output signal wire, 4th wire 25KHz PWM input wire
- 81 CFM free delivery / 0.32"/ H2O
- 12VDC / 4.56W
- IP54 (IP20 coating available upon request)
- Premium Quality Ball Bearing system
- Operating Temperature Range: -20 to +70 degrees C
- Storage Temperature Range: -25 to +70 degrees C
- Leadwires:
    - Red – 12VDC / Black – OVDC / Yellow – Tacho / Green – PWM input
- UL file number: E512161
- Weight: 95 grams
- Acoustic Noise: 47 (dBA)

Dimensions -



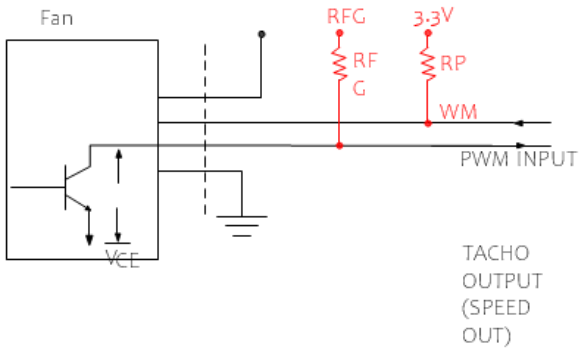
Airflow / Pressure Curve -





PWM Circuit –

- PWM Circuit:(for reference) VCC

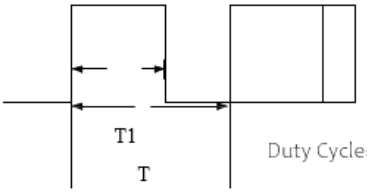


- When VRPM = 3.3V We Recommend R PWM =1-10KΩ

PWM Control Signal Input:

Signal Voltage Range :DC oV ~5.5V (V = 5V)

High Signal : ≧2.8VDC.



Low Signal: ≦0.4VDC

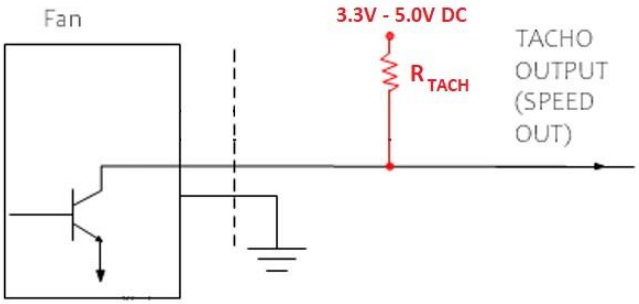
Duty Cycle=T1/T*100(%)

1.The 25KHz operating frequency(customer preferred)has been tested and checked.

2.At 100% duty cycle, The fan will operate at maximum speed.

3.The fan will default to operate at maximum speed
when the speed control input(PWM input)is left unconnected.

Tacho Circuit –



NB: Suggested pull-up resistor value of 1K to 10KΩ