

40x40x28 mm

25.6~31.5 CFM

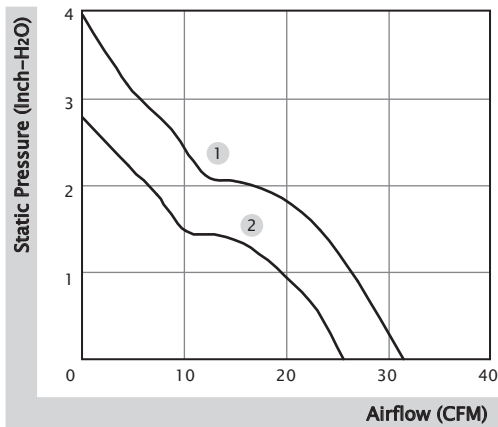


■ Specification

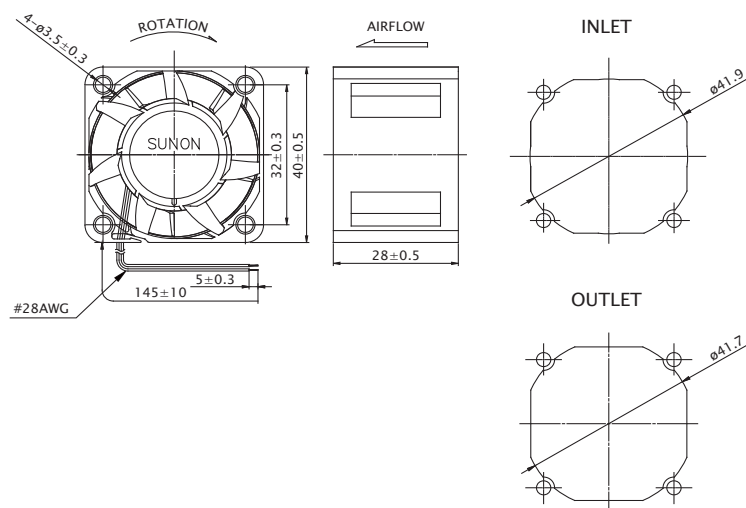
Model	Bearing	Rated Voltage	Power Current	Power Consumption	Speed	Airflow	Static Pressure	Noise	Weight	Curve
	2BALL Sleeve	(VDC)	(mA)	(WATTS)	(RPM)	(CFM)	(inch-H ₂ O)	(dB(A))	(g)	
VF40281BX-0000-A9H	☉	12	1140	13.68	27000	31.5	3.95	63.7	46.0	1
VF40281B1-0000-A9H	☉	12	630	7.56	21600	25.6	2.77	58.6	46.0	2

■ Function F Type : G9H / PWM : S9H

■ Air Flow-Static Pressure Characteristics



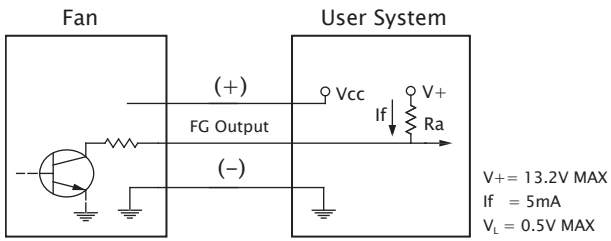
■ External Dimensions(mm)



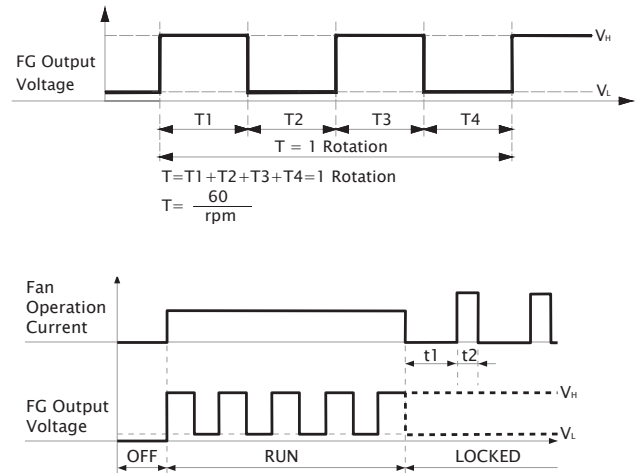
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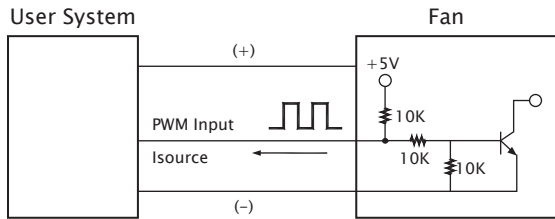
■ FG Output Signal



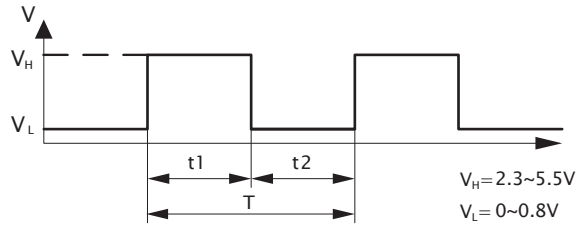
[FG Signal]



■ PWM Input Signal

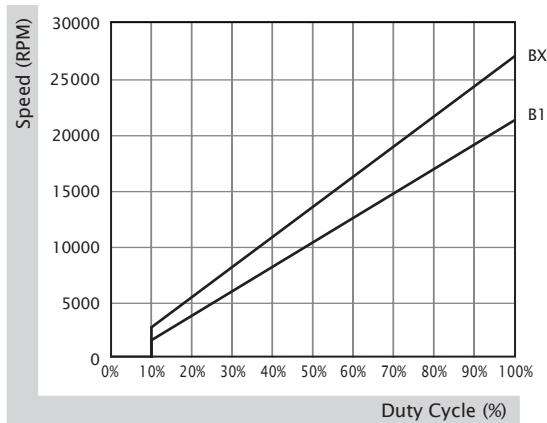


PWM FREQUENCY: 25KHZ
 $I_{source} = 0.5mA$ at PWM Input Voltage 0V
 The speed is default to be maximum if PWM input pin is unconnected.
 Min. start up duty cycle is 10%.



1. Period : $T = \frac{1}{f_{PWM}} = t_1 + t_2 (\text{sec})$
2. Duty Cycle (D.C.) : $\frac{t_1}{t_1 + t_2} \times 100 = \frac{t_1}{T} \times 100(\%)$

■ PWM Curve




40x40x28 mm

24.9 CFM

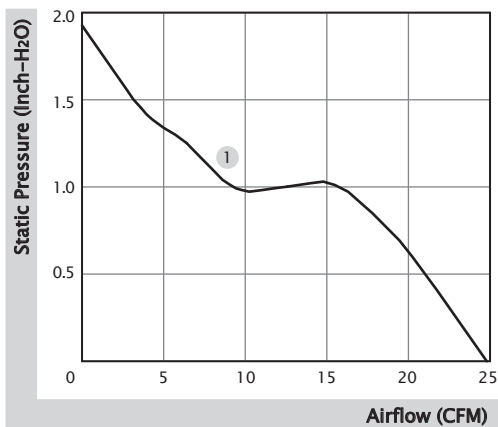


■ Specification

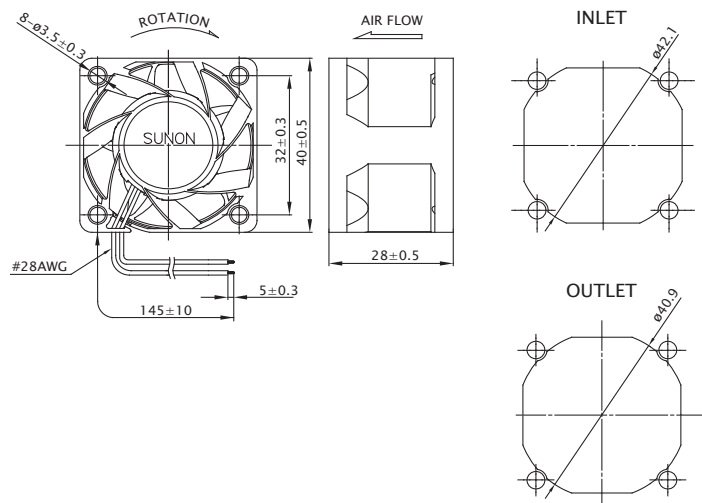
	Bearing	Rated Voltage	Power Current	Power Consumption	Speed	Airflow	Static Pressure	Noise	Weight	Curve
	● VAPO	(VDC)	(mA)	(WATTS)	(RPM)	(CFM)	(inch-H ₂ O)	(dB(A))	(g)	
PF40281V1-0000-A99	●	12	740	8.88	17600	24.9	1.95	56.0	45.0	1

■ Function F Type : G99 / PWM : S99

■ Air Flow-Static Pressure Characteristics



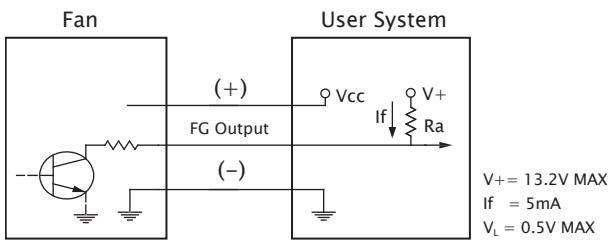
■ External Dimensions(mm)



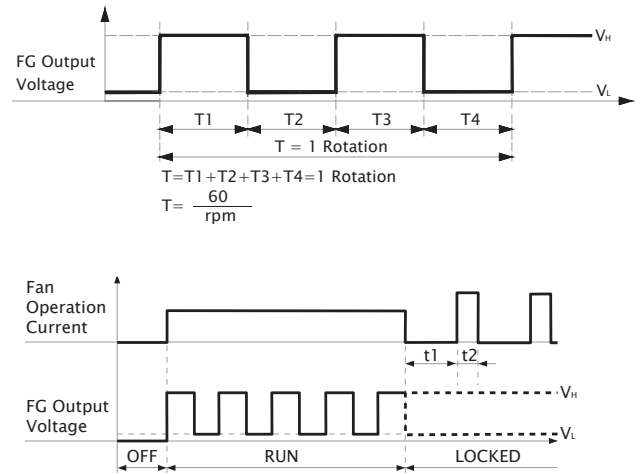
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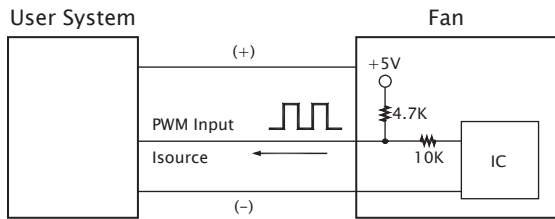
■ FG Output Signal



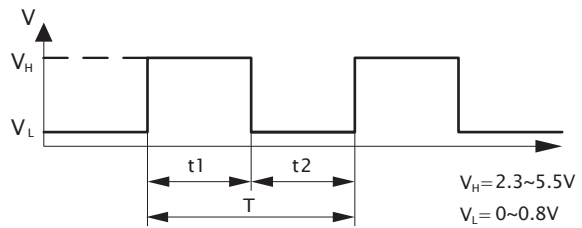
[FG Signal]



■ PWM Input Signal



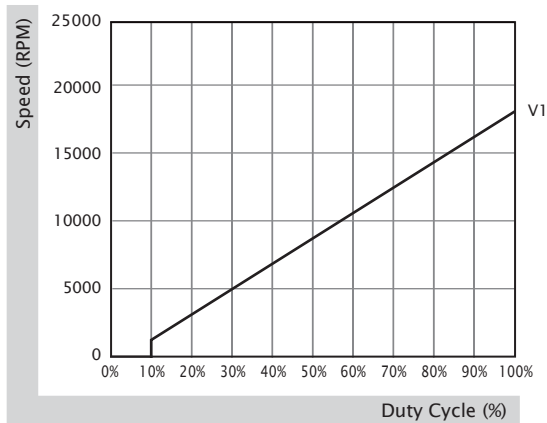
PWM FREQUENCY: 25KHZ
 Isource=0.5mA at PWM Input Voltage 0V
 The speed is default to be maximum if PWM input pin is unconnected.
 Min. start up duty cycle is 10%.



1. Period : $T = \frac{1}{f_{PWM}} = t1 + t2(\text{sec})$

2. Duty Cycle (D.C.) : $\frac{t1}{t1+t2} \times 100 = \frac{t1}{T} \times 100(\%)$

■ PWM Curve



40x40x28 mm

12.8~31.3 CFM

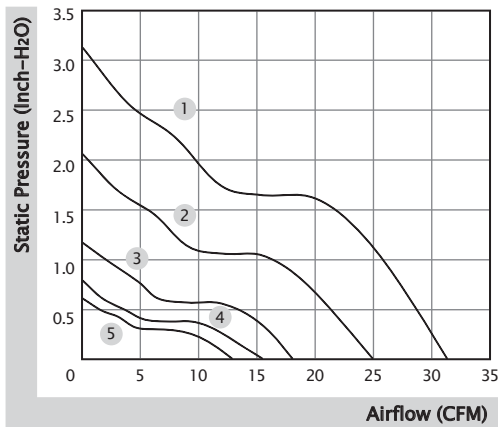


■ Specification

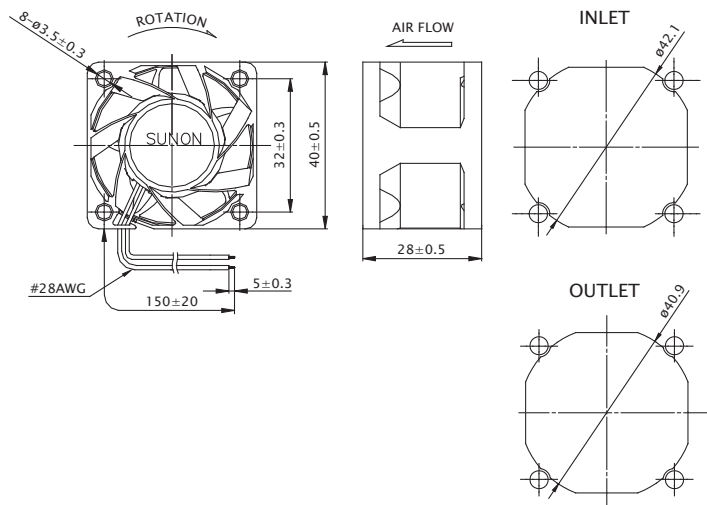
Model	Bearing	Rated Voltage	Power Current	Power Consumption	Speed	Airflow	Static Pressure	Noise	Weight	Curve
	2BALL Sleeve	(VDC)	(mA)	(WATTS)	(RPM)	(CFM)	(inch-H ₂ O)	(dB(A))	(g)	
PF40281BX-10000-A9H	☉	12	950	11.4	22000	31.3	3.12	62.0	42.0	1
PF40281B1-10000-A9H	☉	12	510	6.12	17600	24.9	2.05	56.0	42.0	2
PF40281B2-10000-A9H	☉	12	220	2.64	13000	18.0	1.16	48.7	42.0	3
PF40281B3-10000-A9H	☉	12	145	1.74	11000	15.4	0.78	43.9	42.0	4
PF40281B4-10000-A9H	☉	12	96	1.16	9200	12.8	0.60	39.9	42.0	5

■ Function R Type : F9H / F Type : G9H / PWM : H9H, Q9H, S9H

■ Air Flow-Static Pressure Characteristics



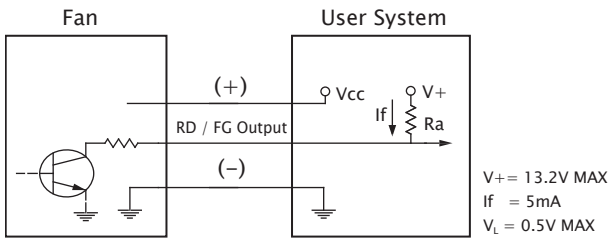
■ External Dimensions(mm)



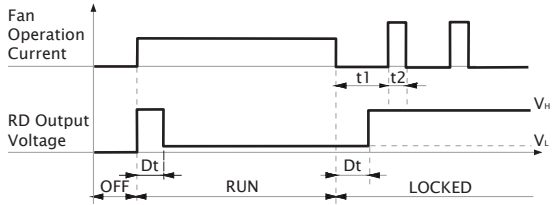
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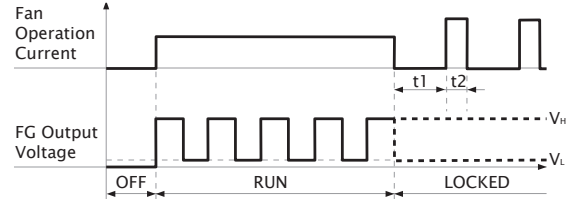
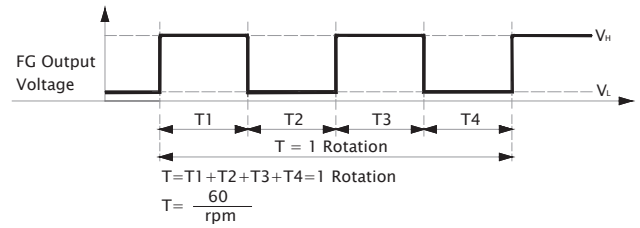
■ RD / FG Output Signal



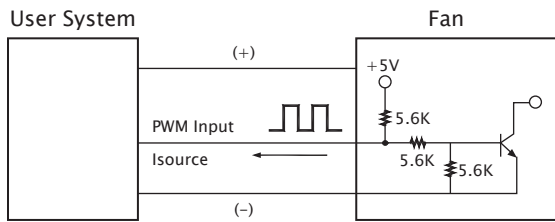
[RD Signal]



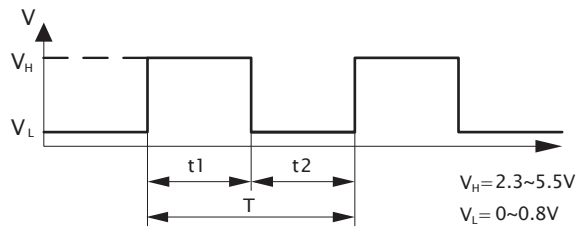
[FG Signal]



■ PWM Input Signal



PWM FREQUENCY: 25KHZ
 Isource=0.5mA at PWM Input Voltage 0V
 The speed is default to be maximum if PWM input pin is unconnected.
 Min. start up duty cycle is 10%.



1. Period : $T = \frac{1}{f_{PWM}} = t1 + t2(\text{sec})$

2. Duty Cycle (D.C.) : $\frac{t1}{t1+t2} \times 100 = \frac{t1}{T} \times 100(\%)$

■ PWM Curve

