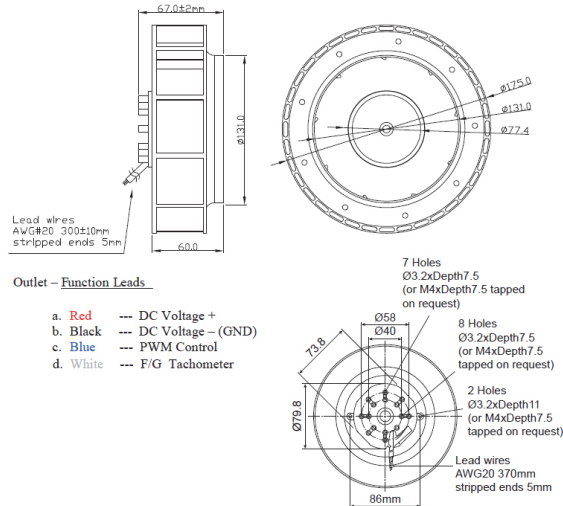


ODB17567-12HB10A



DC Motorized Impeller 12V 175x67mm (6.9"x2.6")



Frame & Impeller	Frame - Diecast aluminum Impeller - UL94V-0 Thermoplastic	Features: Signal Output: Tachometer Speed Control: PWM Weight: ~ 1030g (2.27 lbs)
Connecion	4 Lead wires *	
Motor	DC brushless, IC protected	
Bearing System	Dual ball bearing	
Insulation Resistance	Min. 10M at 500VDC	
Dielectric Strength	1 minute at 500 VAC, max leakage < 500 MicroAmp	
Temperature Range	-10C ~ +65C	m0
Storage Temperature	-40C ~ +80C	
Life (L10)	-40,000 hours (40C)	

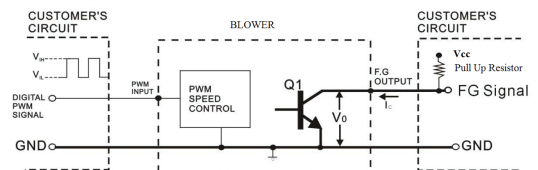
STATIC PRESSURE H₂O

AIR FLOW

Air Flow (cfm)	Air Flow (m³/min)	Static Pressure H ₂ O (inches)	Static Pressure H ₂ O (mm H ₂ O)
0	0	1.05	26.7
75	1	0.85	21.6
150	2	0.65	16.5
225	3	0.45	11.4
300	4	0.25	6.3
375	5	0	0

Part Number	ODB17567-12HB10A
Nominal Voltage	12VDC
Voltage Range	8 ~ 14 VDC
Nominal Current	4.2 A
Rated Power	50.4 W
Rated Speed (RPM)	3000
Airflow (CFM)	338
Noise Level (dB)	64
Max. Static Pressure	1.08" H ₂ O

(External signal function design is decided by customer)



* FG 2 pulses per revolution

*TRANSISTOR Q1 AT "ON" POSITION

COLLECTOR CURRENT----- $I_C = 10mA$ MAX

SATURATION VOLTAGE----- $V_{CE} = 1 V$ MAX

*TRANSISTOR Q1 AT "OFF" POSITION

RELEASE VOLTAGE----- $V_{OH} = V_{CC}$ Max

*DIGITAL PWM SPEED CONTROL POSITION

PWM INPUT VOLTAGE HIGH----- $V_{IH} > 2.6V$

PWM INPUT VOLTAGE LOW----- $V_{IL} < 0.5V$

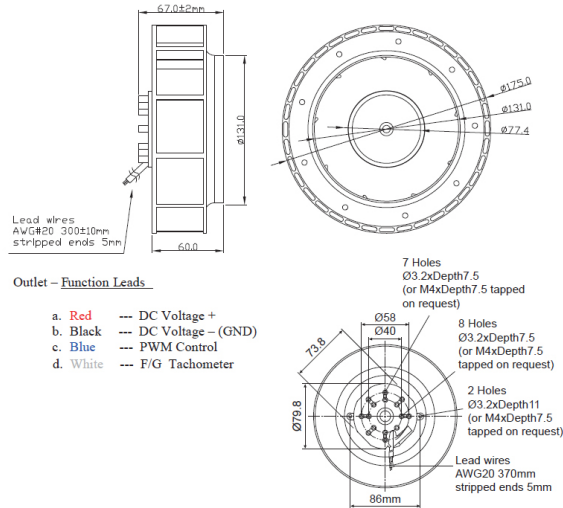
*PWM INPUT FREQUENCY-----FPWM: 100Hz~100KHz

Blower will run full speed at 100%, stop at 0%, full speed if PWM not connected

ODB17567-24HB10A



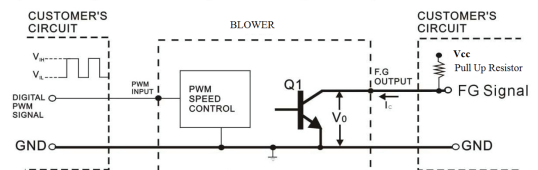
DC Motorized Impeller 24V 175x67mm (6.9"x2.6")



Frame & Impeller	Frame - Diecast aluminum Impeller - UL94V-0 Thermoplastic	Features: Signal Output: Tachometer Speed Control: PWM Weight: ~ 1030g (2.27 lbs)	<table border="1"><caption>Approximate data points from the graph</caption><thead><tr><th>Air Flow (Q)</th><th>Static Pressure H2O (mm (w.g))</th><th>Static Pressure H2O (inch)</th></tr></thead><tbody><tr><td>0</td><td>29</td><td>1.05</td></tr><tr><td>75</td><td>24</td><td>0.7</td></tr><tr><td>150</td><td>15</td><td>0.35</td></tr><tr><td>225</td><td>6</td><td>0.15</td></tr><tr><td>300</td><td>0</td><td>0</td></tr></tbody></table>	Air Flow (Q)	Static Pressure H2O (mm (w.g))	Static Pressure H2O (inch)	0	29	1.05	75	24	0.7	150	15	0.35	225	6	0.15	300	0	0
Air Flow (Q)	Static Pressure H2O (mm (w.g))			Static Pressure H2O (inch)																	
0	29			1.05																	
75	24			0.7																	
150	15			0.35																	
225	6			0.15																	
300	0	0																			
Connecion	4 Lead wires *																				
Motor	DC brushless, IC protected																				
Bearing System	Dual ball bearing																				
Insulation Resistance	Min. 10M at 500VDC																				
Dielectric Strength	1 minute at 500 VAC, max leakage < 500 MicroAmp																				
Temperature Range	-10C ~ +65C	m0																			
Storage Temperature	-40C ~ +80C																				
Life (L10)	-40,000 hours (40C)																				

Part Number	ODB17567-24HB10A
Nominal Voltage	24VDC
Voltage Range	15 ~ 27.6 VDC
Nominal Current	2.1 A
Rated Power	50.4 W
Rated Speed (RPM)	3000
Airflow (CFM)	338
Noise Level (dB)	64
Max. Static Pressure	1.08" H ₂ O

(External signal function design is decided by customer)



* FG 2 pulses per revolution

*TRANSISTOR Q1 AT "ON" POSITION

COLLECTOR CURRENT-----I_c = 10mA MAX

SATURATION VOLTAGE-----V₀ = 1 V MAX

*TRANSISTOR Q1 AT "OFF" POSITION

RELEASE VOLTAGE-----V₀ = V_{cc} Max

*DIGITAL PWM SPEED CONTROL POSITION

PWM INPUT VOLTAGE HIGH-----V_{in} > 2.6V

PWM INPUT VOLTAGE LOW-----V_{in} < 0.5V

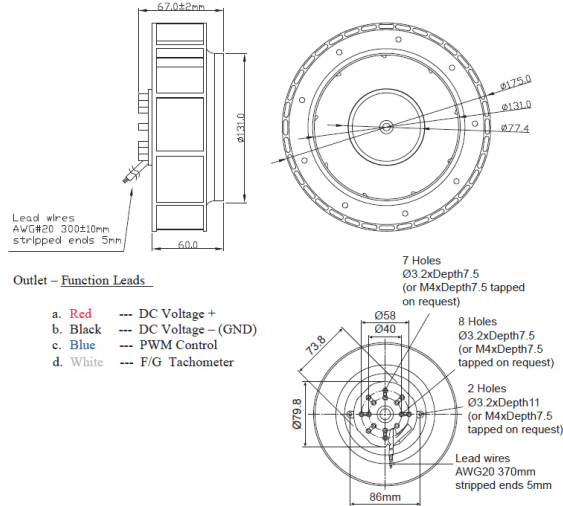
*PWM INPUT FREQUENCY-----FPWM: 100Hz~100KHz

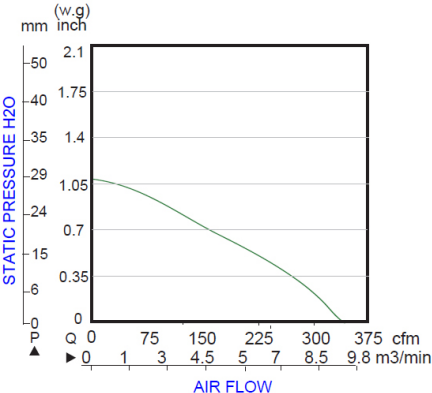
Blower will run full speed at 100%, stop at 0%, full speed if PWM not connected

ODB17567-48HB10A



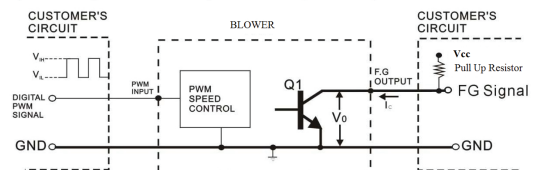
DC Motorized Impeller 48V 175x67mm (6.9"x2.6")



Frame & Impeller	Frame - Diecast aluminum Impeller - UL94V-0 Thermoplastic	Features: Signal Output: Tachometer Speed Control: PWM	
Connecion	4 Lead wires *		
Motor	DC brushless, IC protected		
Bearing System	Dual ball bearing		
Insulation Resistance	Min. 10M at 500VDC		
Dielectric Strength	1 minute at 500 VAC, max leakage < 500 MicroAmp	Weight: ~ 1030g (2.27 lbs)	
Temperature Range	-10C ~ +65C		
Storage Temperature	-40C ~ +80C		
Life (L10)	-40,000 hours (40C)	m0	

Part Number	ODB17567-48HB10A
Nominal Voltage	48VDC
Voltage Range	22 ~ 54 VDC
Nominal Current	1.10 A
Rated Power	52.8 W
Rated Speed (RPM)	3000
Airflow (CFM)	338
Noise Level (dB)	64
Max. Static Pressure	1.08" H ₂ O

(External signal function design is decided by customer)



* FG 2 pulses per revolution

* TRANSISTOR Q1 AT "ON" POSITION

COLLECTOR CURRENT: $I_C = 10\text{mA MAX}$

SATURATION VOLTAGE: $V_{CE} = 1\text{ V MAX}$

* TRANSISTOR Q1 AT "OFF" POSITION

RELEASE VOLTAGE: $V_{CE} = V_{CC} \text{ MAX}$

* DIGITAL PWM SPEED CONTROL POSITION

PWM INPUT VOLTAGE HIGH: $V_{IH} > 2.6\text{V}$

PWM INPUT VOLTAGE LOW: $V_{IL} < 0.5\text{V}$

* PWM INPUT FREQUENCY: $f_{PWM} = 100\text{Hz} \sim 100\text{KHz}$

Blower will run full speed at 100%, stop at 0%, full speed if PWM not connected

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