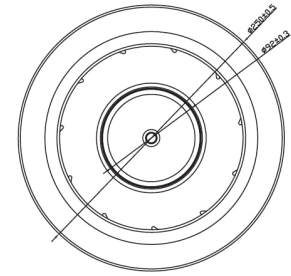
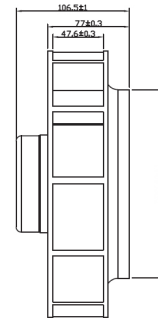
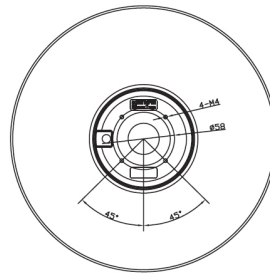


ODB250110-24HB10A



DC Motorized Impeller 24V
250x110mm (9.84"x4.33")



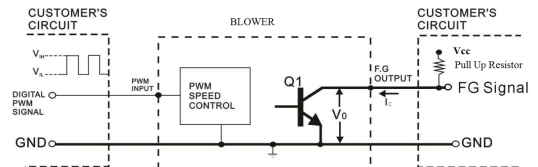
Outlet – Function Leads

- a. Red --- DC Voltage +
- b. Black --- DC Voltage – (GND)
- c. Blue --- PWM Control
- d. White --- F/G Tachometer

Frame & Impeller	Frame - Aluminum Impeller - UL94V-0 Thermoplastic	Features: Signal Output: Tachometer Speed Control: PWM Weight: ~ 1600g (3.53 lbs) m0	
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		
Storage Temperature	-40C ~ +80C		
Life (L10)	-40,000 hours (40C)		

Part Number	ODB250110-24HB10A
Nominal Voltage	24VDC
Voltage Range	16 ~ 28 VDC
Nominal Current	5.4 A
Rated Power	129.6 W
Rated Speed (RPM)	2600
Airflow (CFM)	825
Noise Level (dB)	67
Max. Static Pressure	1.95" 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----- $V_{IL} < 0.5\text{V}$

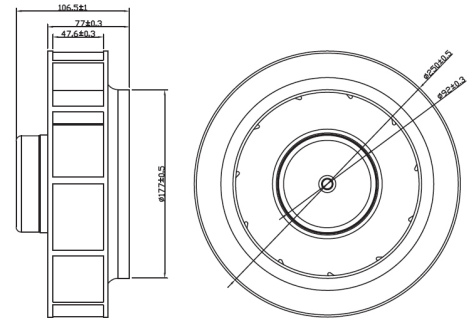
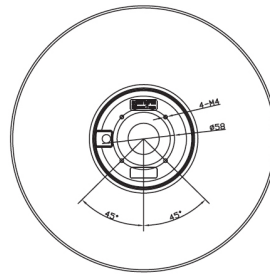
*PWM INPUT FREQUENCY-----FPWM: 100Hz~100KHz

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

ODB250110-48HB10A



DC Motorized Impeller 48V 250x110mm (9.84"x4.33")



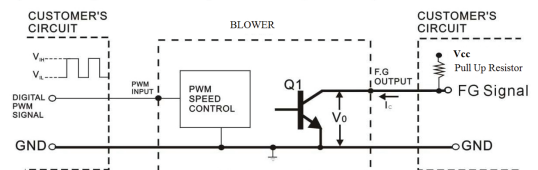
Outlet – Function Leads

- a. Red --- DC Voltage +
- b. Black --- DC Voltage – (GND)
- c. Blue --- PWM Control
- d. White --- F/G Tachometer

Frame & Impeller	Frame - Aluminum Impeller - UL94V-0 Thermoplastic	Features: Signal Output: Tachometer Speed Control: PWM Weight: ~ 1600g (3.53 lbs)	<table border="1"><caption>Approximate data points from the graph</caption><thead><tr><th>Air Flow (m3/min)</th><th>Static Pressure H2O (w.g)</th></tr></thead><tbody><tr><td>0</td><td>2.25</td></tr><tr><td>11.5</td><td>1.5</td></tr><tr><td>23</td><td>0</td></tr></tbody></table>	Air Flow (m3/min)	Static Pressure H2O (w.g)	0	2.25	11.5	1.5	23	0
Air Flow (m3/min)	Static Pressure H2O (w.g)										
0	2.25										
11.5	1.5										
23	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										
Storage Temperature	-40C ~ +80C										
Life (L10)	-40,000 hours (40C)	m0									

Part Number	ODB250110-48HB10A
Nominal Voltage	48VDC
Voltage Range	36 ~ 54 VDC
Nominal Current	2.7 A
Rated Power	129.6 W
Rated Speed (RPM)	2600
Airflow (CFM)	825
Noise Level (dB)	67
Max. Static Pressure	1.95" 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-----FPWM: 100Hz~100KHz

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