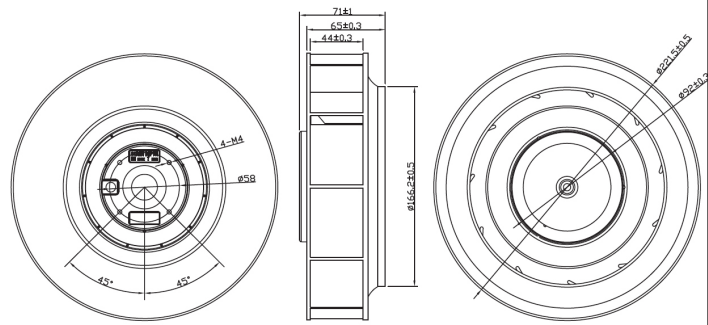


ODB22071-24HB10A



DC Motorized Impeller 24V 220x71mm (8.7"x2.80")



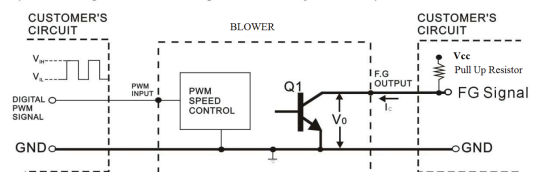
Outlet - Function Leads

- 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: ~ 1400g (3.09 lbs)	<table border="1"><caption>Approximate data points from the graph</caption><thead><tr><th>Air Flow (cfm)</th><th>Air Flow (m3/min)</th><th>Static Pressure H2O (mm w.g)</th></tr></thead><tbody><tr><td>0</td><td>0</td><td>48</td></tr><tr><td>160</td><td>4.0</td><td>36</td></tr><tr><td>320</td><td>8.0</td><td>24</td></tr><tr><td>480</td><td>12.0</td><td>12</td></tr><tr><td>640</td><td>16.0</td><td>0</td></tr></tbody></table>	Air Flow (cfm)	Air Flow (m3/min)	Static Pressure H2O (mm w.g)	0	0	48	160	4.0	36	320	8.0	24	480	12.0	12	640	16.0	0
Air Flow (cfm)	Air Flow (m3/min)			Static Pressure H2O (mm w.g)																	
0	0			48																	
160	4.0			36																	
320	8.0			24																	
480	12.0			12																	
640	16.0			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	ODB22071-24HB10A
Nominal Voltage	24VDC
Voltage Range	16 ~ 28 VDC
Nominal Current	4.4 A
Rated Power	105.6 W
Rated Speed (RPM)	2800
Airflow (CFM)	580
Noise Level (dB)	68
Max. Static Pressure	2.10" 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----- $V_{IL} < 0.5\text{V}$

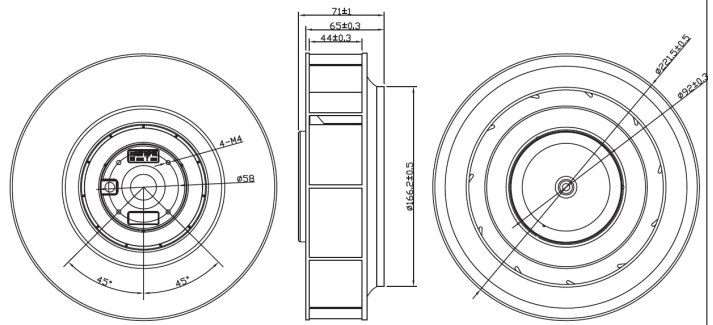
*PWM INPUT FREQUENCY----- $FPWM: 100\text{Hz} \sim 100\text{KHz}$

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

ODB22071-48HB10A



DC Motorized Impeller 48V 220x71mm (8.7"x2.80")



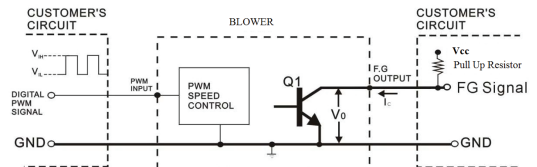
Outlet - Function Leads

- 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: ~ 1400g (3.09 lbs)	<table border="1"><caption>Approximate data points from the graph</caption><thead><tr><th>Air Flow (cfm)</th><th>Air Flow (m3/min)</th><th>Static Pressure H2O (mm)</th><th>Static Pressure H2O (inch)</th></tr></thead><tbody><tr><td>0</td><td>0</td><td>50</td><td>1.97</td></tr><tr><td>160</td><td>8.0</td><td>40</td><td>1.57</td></tr><tr><td>320</td><td>13.6</td><td>25</td><td>0.98</td></tr><tr><td>480</td><td>19.2</td><td>10</td><td>0.39</td></tr><tr><td>621</td><td>24.8</td><td>0</td><td>0.00</td></tr></tbody></table>	Air Flow (cfm)	Air Flow (m3/min)	Static Pressure H2O (mm)	Static Pressure H2O (inch)	0	0	50	1.97	160	8.0	40	1.57	320	13.6	25	0.98	480	19.2	10	0.39	621	24.8	0	0.00
Air Flow (cfm)	Air Flow (m3/min)			Static Pressure H2O (mm)	Static Pressure H2O (inch)																						
0	0			50	1.97																						
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621	24.8			0	0.00																						
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	ODB22071-48HB10A
Nominal Voltage	48VDC
Voltage Range	36 ~ 54 VDC
Nominal Current	2.7 A
Rated Power	129.6 W
Rated Speed (RPM)	3000
Airflow (CFM)	621
Noise Level (dB)	69
Max. Static Pressure	2.26" 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