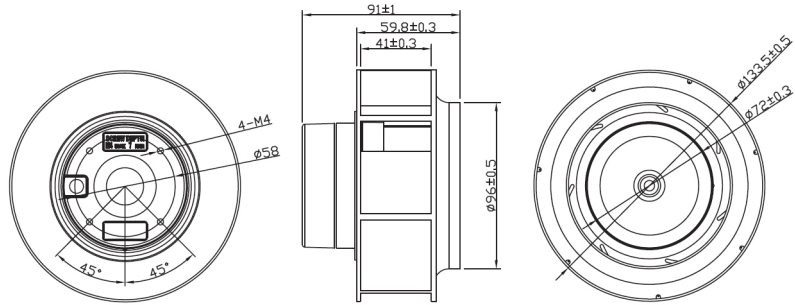


ODB13391-24HB10A



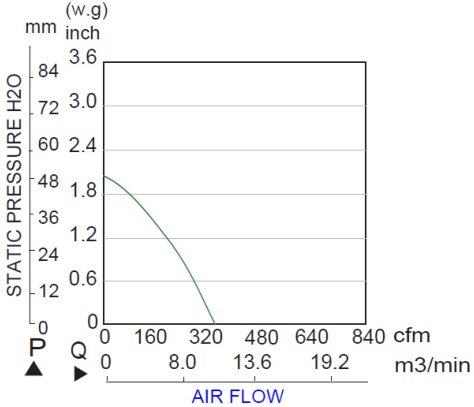
DC Motorized Impeller 24V

133x91mm (5.24"x3.58")



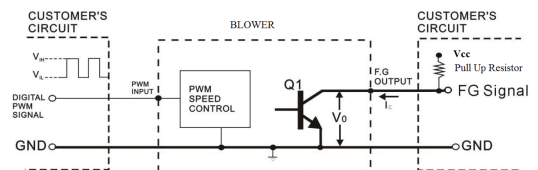
Outlet - Function Leads

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

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		
Temperature Range	-10C ~ +65C	Weight: ~ 700g (1.54 lbs)	
Storage Temperature	-40C ~ +80C		
Life (L10)	-40,000 hours (40C)		

Part Number	ODB13391-24HB10A
Nominal Voltage	24VDC
Voltage Range	16-28 VDC
Nominal Current	2.65 A
Rated Power	63.6 W
Rated Speed (RPM)	4600
Airflow (CFM)	326
Noise Level (dB)	68
Max. Static Pressure	1.9" 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

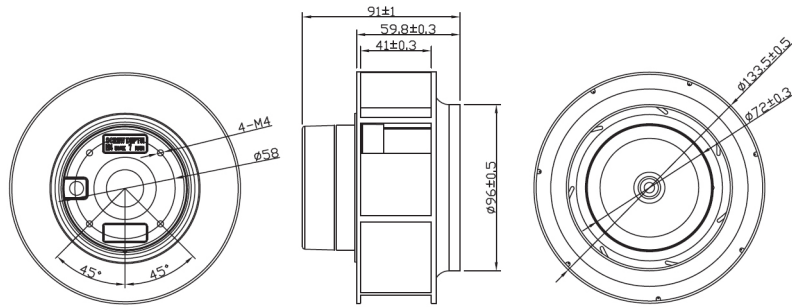
Blower will run full speed at 100%, stop at 0%, full speed if PWM not connected

ODB13391-48HB10A



DC Motorized Impeller 48V

133x91mm (5.24"x3.58")



Outlet - Function Leads

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

Frame & Impeller	Frame - Diecast aluminum Impeller - UL94V-0 Thermoplastic	Features: Signal Output: Tachometer Speed Control: PWM Weight: ~ 700g (1.54 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	
Storage Temperature	-40C ~ +80C	
Life (L10)	-40,000 hours (40C)	m0

STATIC PRESSURE H₂O (w.g.)

mm inch

84 3.6

72 3.0

60 2.4

48 1.8

36 1.2

24 0.6

12 0

0 0

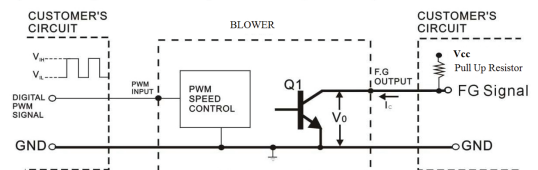
160 320 480 640 840 cfm

0 8.0 13.6 19.2 m³/min

AIR FLOW

Part Number	ODB13391-48HB10A
Nominal Voltage	48VDC
Voltage Range	36-56 VDC
Nominal Current	1.25 A
Rated Power	60 W
Rated Speed (RPM)	4600
Airflow (CFM)	326
Noise Level (dB)	68
Max. Static Pressure	1.9" 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