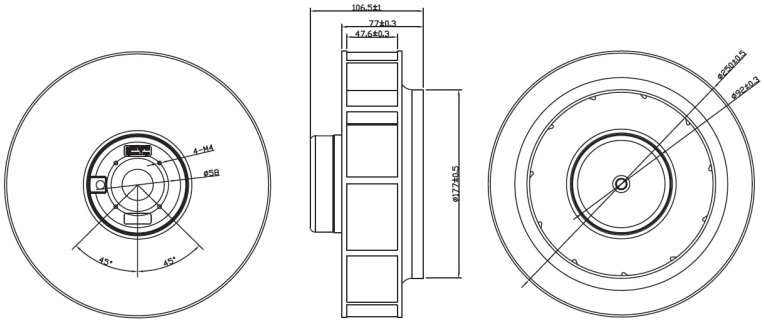
ODB250110-24HB10A

DC Motorized Impeller 24V

250x110mm (9.84"x4.33")



Outlet – Function Leads

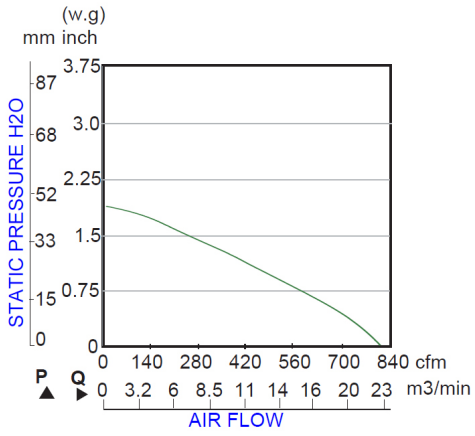
a. Red --- DC Voltage +
b. Black --- DC Voltage – (GND)
c. Blue --- PWM Control
d. White --- F/G Tachometer

Frame & Impeller	Frame - Aluminum Impeller - UL94V-0 Thermoplastic
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)

Features:
Signal Output: Tachometer
Speed Control: PWM

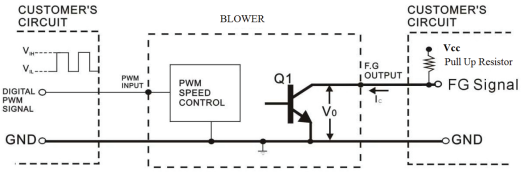
Weight: ~ 1600g (3.53 lbs)

m0



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_2O

(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_{CL}=1 V MAX
*TRANSISTOR Q1 AT "OFF" POSITION
RELEASE VOLTAGE---------- V_{OH}= Vcc 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

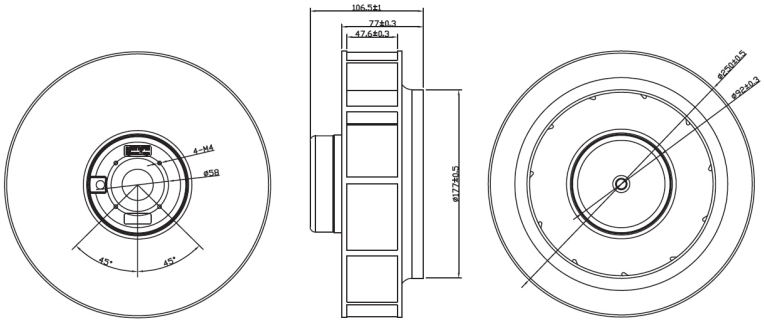
Knight Electronics, Inc.
10557 Metric Drive
Dallas, Texas 75243
214-340-0265

Orion Fans

ODB250110-48HB10A

DC Motorized Impeller 48V

250x110mm (9.84"x4.33")



Outlet – Function Leads

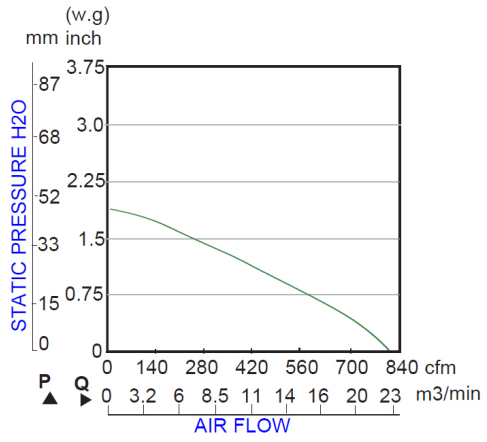
a. Red --- DC Voltage +
b. Black --- DC Voltage – (GND)
c. Blue --- PWM Control
d. White --- F/G Tachometer

Frame & Impeller	Frame - Aluminum Impeller - UL94V-0 Thermoplastic
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)

Features:
Signal Output: Tachometer
Speed Control: PWM

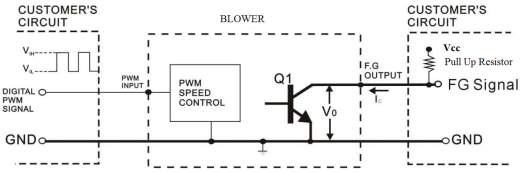
Weight: ~ 1600g (3.53 lbs)

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_2O

(External signal function design is decided by customer)



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COLLECTOR CURRENT---------- I_C =10mA MAX
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*TRANSISTOR Q1 AT "OFF" POSITION
RELEASE VOLTAGE---------- V_{OH}= Vcc 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

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