



## Features

The **Über3** brushless blower in basic configuration provides 250 cfm free air flow or 220 cfm air flow installed in 3 feet total of flexible duct before and/or after the unit. Its 6.5 in.-H<sub>2</sub>O suction and 4.5 in.-H<sub>2</sub>O pressure capabilities allow it to easily overcome flow restrictions that cause other blowers to lose as much as one third of their free flow capacity. See the provided charts at the end of this document for flow, pressure and efficiency data.

The **Über3** is designed to fit inline in any 3 inch duct without the need for reducers. Its maximum outer diameter (at the ribs) is 3.25 inches and weighs only 10.2 ounces. An optional inlet horn (part number UB3012) is available to provide a method for mounting the blower in a panel, deck or air dam.

The **Über3** has a soft start feature that eliminates power surges that would normally be caused by switching on any DC blower unit. Built in over-current protection automatically trips in the event that debris jams the blower and then the unit self resets after 5 seconds.

The **Über3** can be ordered in one of two configurations:

- 1) UB3000 - Basic mode - is a two wire configuration controlled by switching on or off its 12V power. The standard flow setting is for 250 cfm at 6.0 amps. Other factory settings can be specified anywhere from 3 to 8 amps providing 200 to 275 cfm free air flow
- 2) UB3001 - PDM mode – air flow is controlled from a power distribution module, a logic level PWM signal sets blower output. In this configuration it can also be controlled with a 10Kohm potentiometer or our optional controller (part number UB31030).



## **Performance Specifications**

### **Power Requirements**

9 to 15 VDC  
15 Amps (max.)

### **Typical Operation Basic mode** (unrestricted air flow, 72°F, std. atmospheric pressure)

Voltage - 13.8 VDC  
Current - 6.0 Amps  
Airflow - 250 cfm  
Outflow pressure - 4.5 in.-H<sub>2</sub>O  
Inlet suction - 6.5 in.-H<sub>2</sub>O

### **Typical Operation PDM and remote modes** (unrestricted air flow, 72°F, std. atmospheric pressure)

Voltage - 13.8 VDC  
Current - 1 to 11.5 Amps with 30% to 100% PWM duty cycle or 0 to 10Kohm input  
Airflow - 50 to 295 cfm

### **Overload Protection** (Jammed or obstructed rotor)

Current overload protection - trips at 15 amps in 10 milliseconds or less  
Self resetting - after 5 second delay

### **Physical**

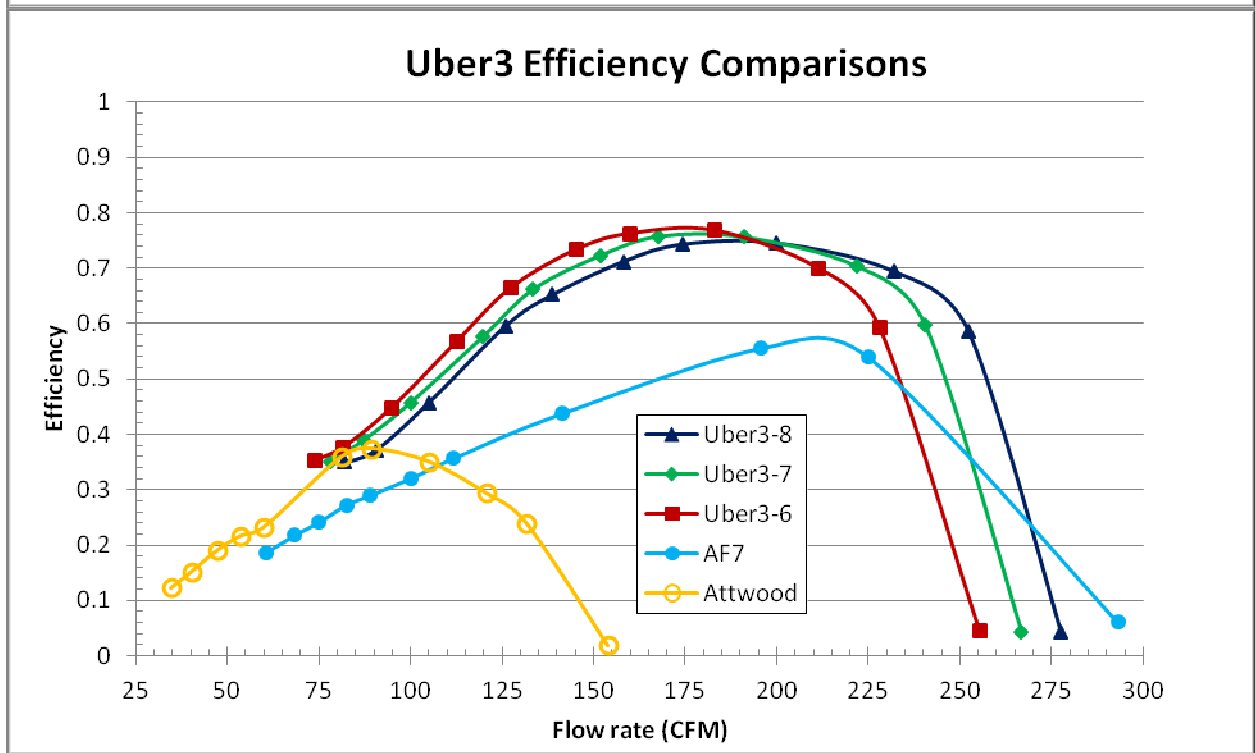
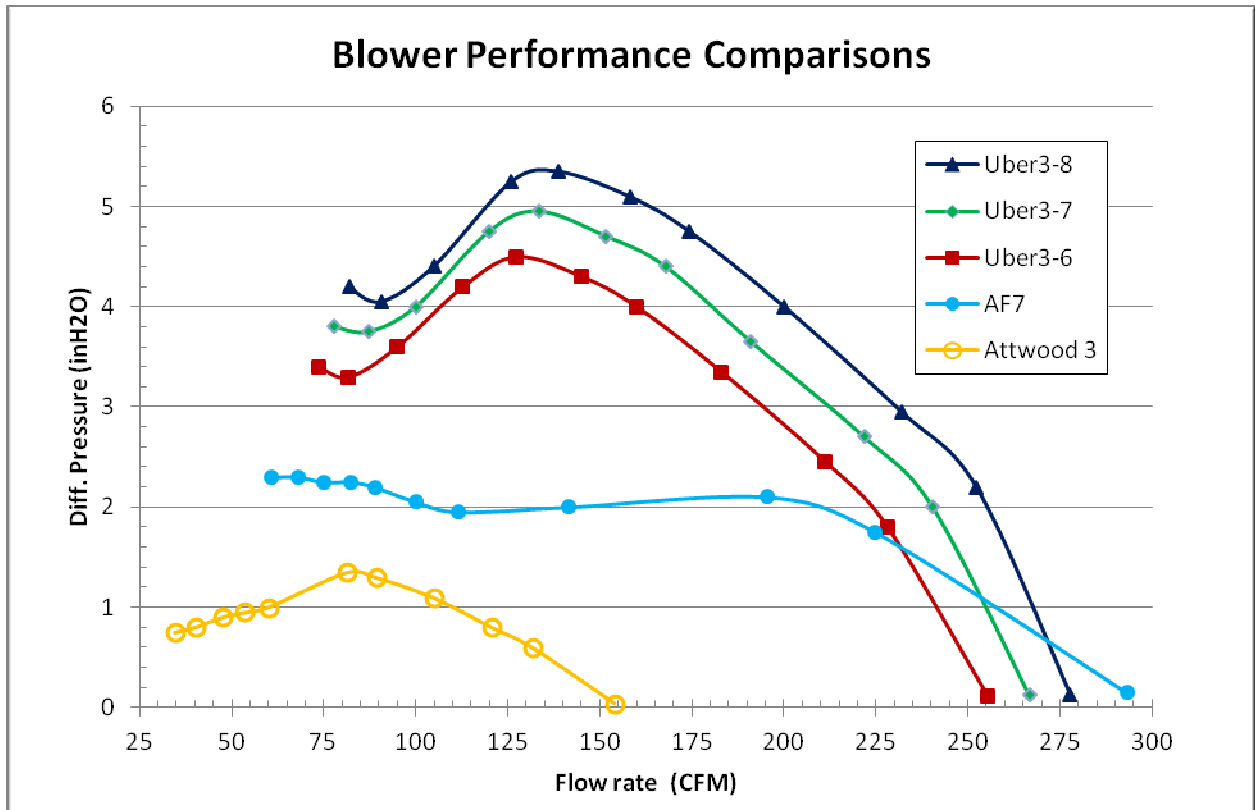
Dimensions - 3.25" x 5.75" overall  
3" x 1" duct fittings on each end  
only 2.25" of housing is visible when installed in ducts  
Lead wire - 12" lead wire  
2 pin automotive Deutsch connector  
Weight - 10.2oz

### **Operational Range**

Temperature - 32 to 195°F ( 0 to 90°C )

**Note: Engine bay installations can exceed 300°F and can cause permanent damage to internal components. Do not exceed blower intake temperature of 225° F.**

**Note: For brake cooling applications it is recommended to leave blowers running for a few minutes after shutting the car down in order to prevent hot air back flow from brake rotors from damaging the blowers.**



The two charts above show that *Über3* blowers out-perform the competition in real racing applications. The top chart illustrates that the *Über3* maintains the highest pressure and flow rates to overcome restrictions from ducts and shrouds while the bottom chart shows that *Über3* blowers make much more efficient use of applied power. Compare our performance to Attwood 3" (marine bilge) and AirForce 7 blowers.