

# High-Performance, High-Speed Motor Breathes Life into Respirators

- **Speed up to 90,000 RPM**

This feature makes the respirator incredibly versatile. The blower made with the ResMax 28 motor can be used on any patient — from a premature new-born to a burly line-backer.

- **Up to 90% efficiency**

Life expectancy of 30,000+ hours at high dynamic operating conditions.

- **A rotor with very low inertia** that enables a very rapid acceleration from 0 to 50,000 RPM without load in only 20 milliseconds.

- **Motor time constant of 4 msec,** which makes it ideal for highly dynamic applications.



- **24 VDC winding voltage**

Low thermal losses at high speeds, which together with its low thermal resistance rating of 1.2 °C/W from winding to housing keeps the motor cool.