

PRESS RELEASE - 7 JUNE 2024

## Nidec Develops New Automotive Air Suspension Motor

Nidec Corporation (TSE: 6594; OTC US: NJDCY) (the “Company”) announced that Nidec Motor (Dalian) Limited (“Nidec Motor (Dalian)”), a corporation that the Company owns in China, has developed a new air suspension motor for automobiles.

By utilizing its long-nurtured technologies for brake and power steering motors and other drivetrain products, Nidec Motor (Dalian) has developed this latest air suspension motor. Compact, durable, and highly responsive during start-up, this product drives the air compressor, the component that supplies the air tank with compressed air.

Conventional suspension systems use a coil spring to absorb vibration and shock just to keep a car from swaying. Air suspension systems, on the other hand, can fine-adjust the car’s height with pneumatic pressure. This feature not only improves the car’s passenger comfort, it also improves the car’s driving performance based on running circumstances as well. For example, air suspension systems lower the car’s height during high-speed running to reduce air resistance, while

increasing the car's height during off-road running to enhance its ground-covering performance.

### **Main features:**

1. It's compact: With the ultimate-level torque, the motor is compact enough to be installed in a limited space. The strong magnetic structure guarantees this compact and efficient motor's excellent performance.
2. It's long-life: The brushless design of this motor makes it a durable product. With the use of electronic commutation, this motor better reduces risks of defacement of commutators and mechanical trouble, and secures a longer life, than its brushed counterparts.
3. It starts and responds quickly: The use of electronic commutation enables the motor to start and drive the compressor quickly, and to secure less start-up friction and better power-up responsiveness than its brushed counterparts.

### **Specifications:**

<b>Rated output</b>	300 W
<b>Maximum torque</b>	Up to 1.3 Nm
<b>Operating environment temperature</b>	-40 to +120°C
<b>Length</b>	80mm (minimum)
<b>Size</b>	Φ65mm (minimum)

As the world's leading comprehensive motor manufacturer, Nidec stays committed to utilizing its technologies to make light, thin, short, and small products, technologies to improve efficiency, and technologies to secure high-level control, to propose revolutionary solutions that contribute to the evolution of automobiles.

**Nidec Motor (Dalian) Limited:**

Nidec Corporation's first company to be established in mainland China in 1992, Nidec Motor (Dalian) Limited develops, produces, and sells automotive brakes, drivetrain units, steering systems, and other motors for the car's main functions, as well as motors to improve passenger comfort (air suspension, sunroof, seat adjustment, column adjustor, and other applications). With its R&D and production technologies inter-integrated, Nidec Motor (Dalian)'s departments engage in simultaneous business activities to send out "easy-to-produce, high-quality" products into the world.