

インホイールモーター

In-wheel motor

Astemo




Mobility Beyond

ダイレクトドライブ技術によって小型軽量・高効率なインホイールモーターを実現

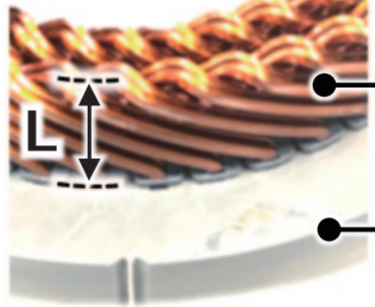
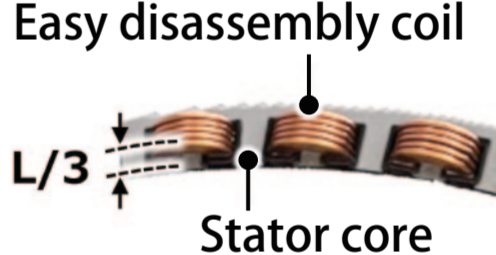
Direct drive technology realizes compact, lightweight, and highly efficient in-wheel motors

特長: Features

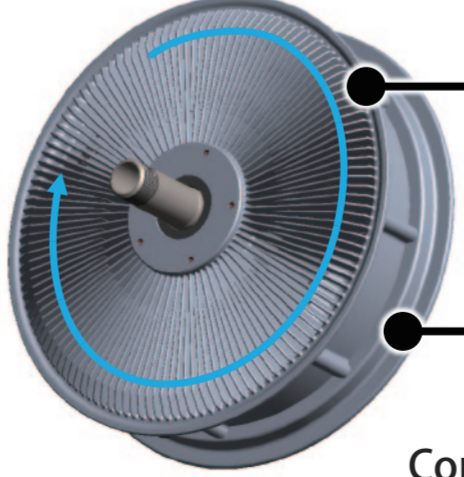


- ラインナップ拡充により車両カバレッジを拡大
Wide-range lineup expands vehicle coverage.

Wheel size	19 inch	16 inch	12 inch
External view			
Max. output	100 kW	70 kW	13 kW
Max. torque	1700 Nm	900 Nm	370 Nm
Supply voltage	400/800 Vdc	400/800 Vdc	400 Vdc
Cooling type	Oil	Oil	Air

- 高占積率な易解体集中巻コイルで高効率と資源循環を両立
High efficiency and recyclability with easily disassembled concentrated coils.

Winding type	Conventional	Developed
Coil-end structure	 Hair-pin coil Stator core	 Easy disassembly coil L/3 Stator core

- ロータリーフィン空冷により12inchで連続定格5.5kWを達成
Continuous power of 5.5kW with 12-inch rotary-fin air cooling

	Kei car	Motorcycle/150cc
 Rotary fin Compatible with kei cars and motorcycles	 13 kW 370 Nm 400 Vdc	 10 kW 180 Nm 96 Vdc



本研究は、国立研究開発法人新エネルギー・産業技術総合開発機構（NEDO）によるグリーンイノベーション基金事業/次世代モーターの開発（JPNP21026）の助成事業で得られた成果を一部活用しています。
This research is partially based on results obtained from Green Innovation Fund Projects / Next-Generation Motor Development (JPNP21026) commissioned by the New Energy and Industrial Technology Development Organization (NEDO).