



## HIGHLIGHTS

- Parking and emergency braking functionality
- Fully enclosed, IP67-rated
- 165 Nm (122.1 lb.ft.) static torque rating
- High torque in a compact envelope
- Low-profile, space-saving design
- Proprietary high-speed, high-energy, friction material
- ISO 9227:2017 500-hour salt spray test certified

## Application Success Story



## Enhanced PK60 Enclosed Brakes

### Aerial Boom Lifts

#### PROBLEM

A leading global designer and manufacturer of industrial drive systems needed an IP67-rated brake solution for a multi-purpose integrated drive used on aerial platforms and other applications. The brakes are mounted to the back of the AC drive motor on each of the lifts four wheel drive assemblies. The brakes provide parking and emergency stopping functionality in challenging outdoor conditions.

#### SOLUTION

The manufacturer chose to partner with Warner Electric based on superior technical performance provided on previous projects. To meet the application requirements, Warner Electric supplied special enclosed PK60 (Pan-Cake) spring-applied, electrically released motor brakes with a static torque rating of 165 Nm (122.1 lb.ft.). The fully enclosed, IP67-rated brakes feature a specially developed surface treatment that withstood the ISO 9227:2017 salt spray test for a full 500-hours with no visible corrosion.

Captive, single-piece pre-assembled PK models provide high torque parking and emergency braking in a compact space. PK brakes offer many advantages, including easy assembly, lower power consumption, longer battery life, and overall lower maintenance costs. The low profile design is particularly suitable for compact drive configurations such as on boom lifts.

The supplied brakes utilize a proprietary high-speed, high-energy friction material. The advanced friction material is specifically designed for harsh outdoor and cold room environments with wide temperature differentials.

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