



Q600

QUANTUM
REHAB

INNOVATIVE REHAB SOLUTIONS

A Division of Pride Mobility Products® Corp.

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THE GLIDE MOTOR ADVANTAGE



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The Glide motor was specifically designed to meet the high performance standards of Quantum® Rehab. The goal was to create a motor that would deliver enhanced low-speed torque, smooth & quiet power distribution during acceleration, and maximum efficiency for optimum battery life and range.

This was achieved by utilizing a larger commutator and a motor brush with a larger surface area (view 1) that allows the Glide to deliver a current carrying capability similar to a four-pole motor.

The Glide's motor brushes are also pre-contoured (view 2) at Quantum Rehab's production facility during motor assembly, helping to reduce operation noise during initial operation in the field.

GLIDE
motor brush



view 1

view 2

Industry
Standard
4-POLE
motor brush



The addition of a precision-matched gearbox to the two-pole Glide motor allows the drive system to impressively emulate the performance characteristics of a conventional four-pole motor.

A carefully researched gear ratio allows the two-pole Glide motor to produce a level of low-speed torque similar to a four-pole motor while utilizing a lower gear ratio for enhanced power.



Finally, our state-of-the-art testing facility replicates hours of heavy field use at maximum amp levels on a full battery of tests including the Inertia Wheel, pictured at right. While this may seem excessive, it ensures the Glide motors are among the most reliable in the industry and ready for any real-world challenges they may encounter.



As power chair technology advances, Quantum Rehab will continue to lead the way in delivering the most durable and powerful motors available.