

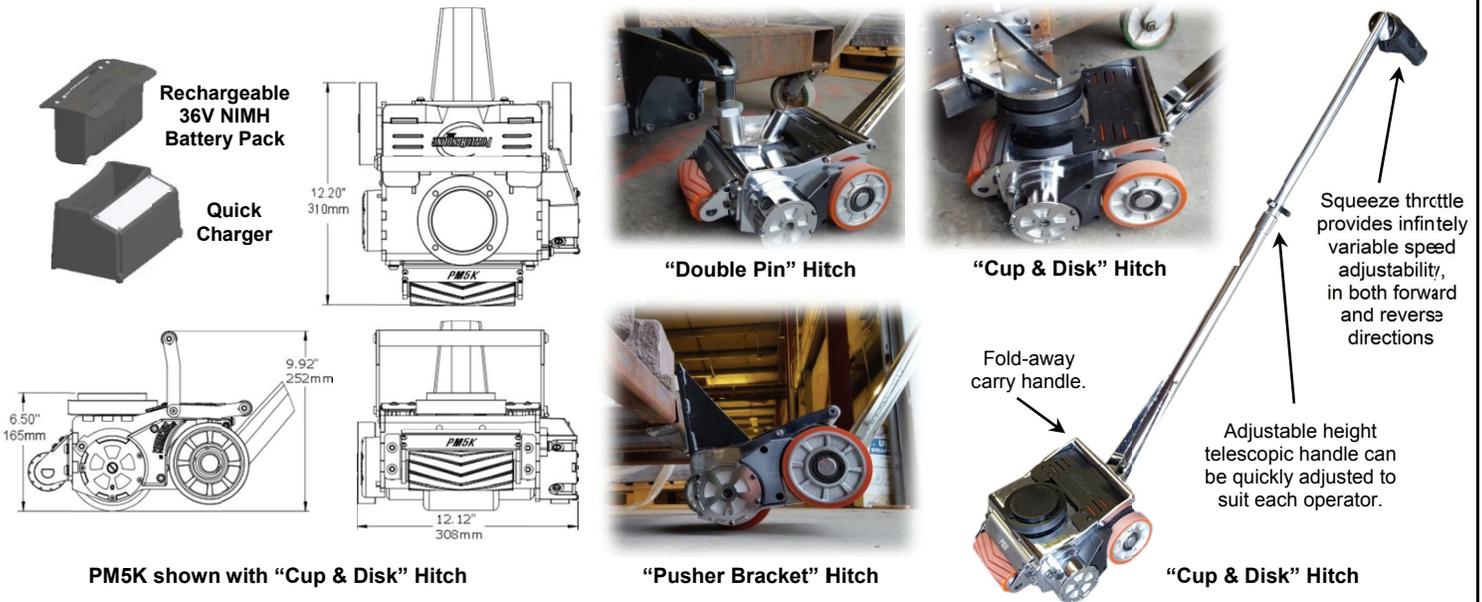
The POWERMOVER 5000 series is an ultra-compact, high-torque, industrial cart mover. It is the most powerful series in the POWERMOVER range of cart movers and allows a single operator to safely and easily push pull and maneuver wheeled loads up to 50,000Kg (55T).

The **POWERMOVER 5000**'s ultra-compact size and unique hitching options allow this unit to "cam" under a hitch point (connected to a cart or other rolling platform) so that when engaged, only as much load from the cart is transferred to the driven wheel as is required to overcome the inertia of the load. In some cases, rotating industrial swivel castors on a heavy load require a significant amount of pushing or pulling force, and the **POWERMOVER 5000** is engineered to provide it.

The **POWERMOVER 5000** (abbreviated series indicator PM5K) couples a high torque, sealed, 4-brush motor with an inline, three-stage planetary gearbox. These are inserted into PowerHandling's patented, "solid-lamination" direct-drive motor mount which is then housed in a heavy-duty steel chassis. Three gearbox choices are available providing torque/speed outputs that can be matched to the requirements of each load moving application (see table below for speed and load capacity options).

The **PM5K** accepts three hitching methods, each with different features and benefits:

- **CUP & DISK:** This hitching system uses a disk on the PM5K that can be rotated by hand or tool to raise it higher, engaging with an inverted cup that is mounted to the cart hitch. It is slower to engage / disengage and requires very flat/even flooring, but offers considerable maneuvering capability while also offering braking of the load as well.
- **DOUBLE PIN:** This hitching system uses two tapered pins - one for pushing/turning and the other for pulling/turning. This design offers fast hitching and unhitching and better handles uneven flooring, but has very limited braking capability and requires unhitching and re-hitching when changing travel direction.
- **PUSHER BRACKET:** This hitching system is suited to straight line pushing only and while it does not offer turning or pulling of loads, it does not require a specific bracket to mate with ... just a sufficiently strong cross-member on the cart to push against.



PM5K SPEC'S		FORCE EXERTED AT DRIVE ROLL		ESTIMATED LOAD MOVING CAPACITY		RUNNING SPEED (LIGHTLY LOADED)		DUTY CYCLE CAPABILITY	BATTERY RECHARGE TIME
MODEL	GEARING	Newtons	Lbs.	Kg	Tons	M/Min	Ft/Min		
PM5K-40	160:1	22,600	5,080	25,000	28	17.1	56	LOW TO MEDIUM DUTY	120-180 Minutes
PM5K-50	200:1	29,200	6,564	32,000	36	13.2	43		
PM5K-70	300:1	43,100	9,689	50,000	55	8.7	29		

PowerHandling Inc. endeavors to ensure that all information provided in this data sheet is correct at the time of its publication, however it takes no responsibility for the accuracy, currency, reliability or correctness of said information. All capacities described are estimates and depend on factors such as the rolling resistance of the wheels / castors in use, the flatness and condition of the surface being rolled over, etc. Each specific application should be tested to confirm performance. (Ver. 2017/03)