



## Precision in Motion: A Deep Dive into PowerBuild's Core Gear Series Products – M, C, F, K

At the heart of every high-performance industrial system lies the need for robust, reliable, and efficient power transmission. PowerBuild answers this need with its flagship geared motor series: M, C, F, and K. Each series is meticulously engineered to serve specific operational demands while maintaining the universal promise of durability, efficiency, and performance.

### Series M – Helical Inline Geared Motors



Compact and powerful, the Series M delivers exceptional drive solutions for a broad range of applications. With

power handling up to 160kW and torque capacity reaching 20,000 Nm, it is the trusted solution for industries requiring quiet operation, high efficiency, and space-saving design. Series M is available with multiple mounting and motor options, making it a versatile choice for manufacturers and OEMs globally.

### Series C – Right Angled Heli-Worm Geared Motors



Combining the benefits of helical and worm gearing, the Series C is designed for right-angled power transmission. With gear ratios of up to

16,000:1 and torque capacities of up to 10,000 Nm, this series is optimal for applications demanding precision in compact spaces. Industries looking for a smooth, low-noise operation with maximum torque efficiency rely on Series C for dependable performance.

### Series F – Parallel Shaft Mounted Geared Motors



Built for endurance in the most demanding environments, Series F is

widely adopted in steel plants, hoists, cranes, and heavy-duty conveyors. Offering torque up to 10,000 Nm and high gear ratios up to 20,000:1, this product features an integral torque arm and diverse output configurations to meet industry-specific challenges head-on.

### Series K – Right Angle Helical Bevel Geared Motors



For industries seeking high efficiency and torque-heavy performance, Series K is the answer. This right-angled geared motor series delivers torque up to 50,000 Nm,

making it a preferred choice in core infrastructure sectors such as cement, power, mining, and material handling. Its flexibility in mounting and broad motor options offer engineers freedom in design and reliability in execution.

Together, these four series reflect PowerBuild's commitment to excellence in mechanical power transmission. From compact inline designs to robust right-angle drives, each geared motor is a result of decades of engineering innovation, customer-focused design, and field-tested reliability. Whether the requirement is speed control, torque multiplication, or space efficiency, Radicon's Series M, C, F, and K stand as trusted powerhouses for global industries.

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