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Compact Precast Concrete Vibrator -
Powerful Performance In Tight Spaces



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Martin Engineering, Neponset, IL 61345, USA

Compact Precast Concrete Vibrator – Powerful Performance In Tight Spaces

Martin Engineering has introduced a heavy-duty compact electric vibrator that provides high performance on the inside and outside of small diameter precast concrete pipe form cores. The Martin MB36-3000 Concrete Form Vibrator offers very good compaction of the cast for improved material strength. The rugged design has a high force-to-weight ratio and ensures reliability using high heat-rated internal components, allowing the unit to perform consistently under punishing conditions for extended periods.

“These units solve problems common to the precast industry by delivering as much power on the inside of the smaller diameter core as on the outside,” said Larry Horrie, Distributor Manager at Martin Engineering. “By providing consistent consolidation, the vibrator helps operators produce stronger casts with fewer bug holes or voids.”

Although it's only 14.4 in (365 mm) wide, the MB36-3000 is engineered to be one of the most durable units on the market. By offering an industry-leading 3-year warranty, Martin Engineering stands behind the value and dependable performance for which the company's equipment has become known. “Our customers were requesting this specific type of model for their precast concrete pipe forms, and this design is the result of meticulous research, engineering and testing,” Horrie concluded. “The efficient, compact design and performance guarantee reflects our commitment to superior construction and a lower life-cycle cost. It also allows our customers to standardize on one unit for a wide range of applications.”

The compact design permits easier installation in tight spaces. Able to fit most standard mounting configurations, the 230/460 volt, 3 Phase, 60Hz motor runs at 3450 RPM, allowing the unit to supply a centrifugal force output of 3000 lbf (13.3 kN) using permanently lubricated roller bearings in ductile iron bearing flanges. Adjustable eccentric weights enable operators to customize force, save energy and maximize the life of the vibrator.

To mitigate material accumulation, dust and moisture penetration commonly found in precast applications, the resilient aluminum casing has a smooth gloss coating and covers sealed by O-rings. Internal high temperature Class H windings are able to withstand continual use in a heated, sealed environment, further ensuring reliability. ■



The MB36-3000 is engineered to deliver high performance and low cost of ownership.



The new unit fits standard brackets and delivers a high force-to-weight ratio.

FURTHER INFORMATION



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