

## Update to SMD23 Products

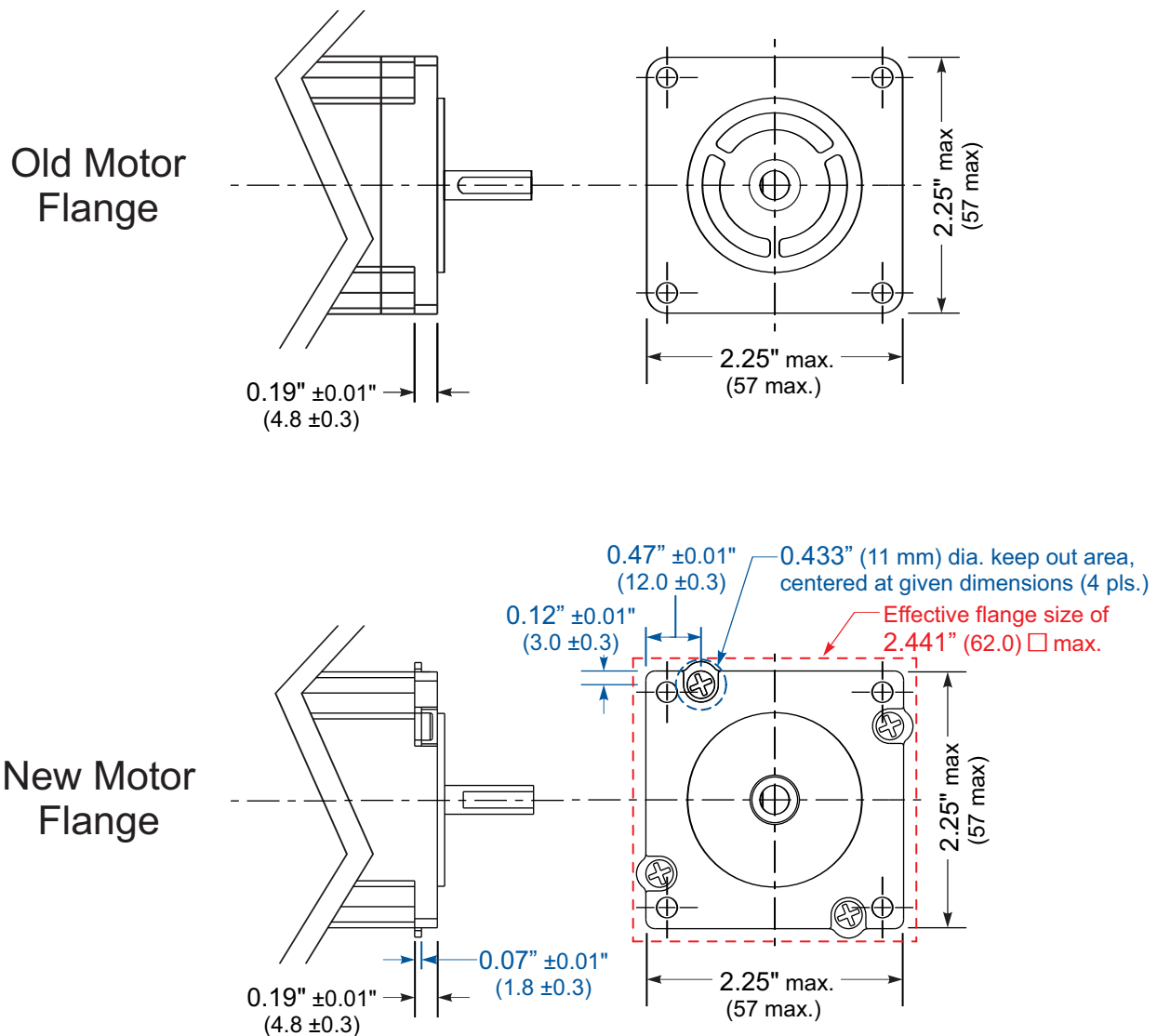
SHEET # 940-2S160

### Description

In order to improve the overall products, AMCI has changed the motor design for the SMD23E, SMD23K, SMD23E2, and SMD23A2 product lines. These new motors are UL listed components that have an IP65 environmental rating.

In order to ensure proper sealing around the flange, additional material is left around the screws that connect the front flange to the motor body. This may affect where motors can be mounted in tight spaces. All of the mounting hole, pilot, and shaft dimensions remain exactly the same. The overall length is also the same for all SMD23 products.

### SMD23 Flange Comparison



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## Mounting Design Considerations

Due to the flange change, products built with the newer motors will not be direct drop-in replacements in all applications. When evaluating current and future mounting designs, consider the following:

If a square area, centered on the pilot hole, with dimensions of 2.441" (62mm) on each side, is clear of all obstructions, you should be able to mount the new motor without changes. Evaluate how the motor is brought to the mounting plate during assembly to verify all clearances are adequate.

If one or more obstructions exist in the clearance area, consider the possibility of machining reliefs into the obstruction instead of changing the pilot and mounting hole locations.

## AMCI Motor and Gearbox Combinations

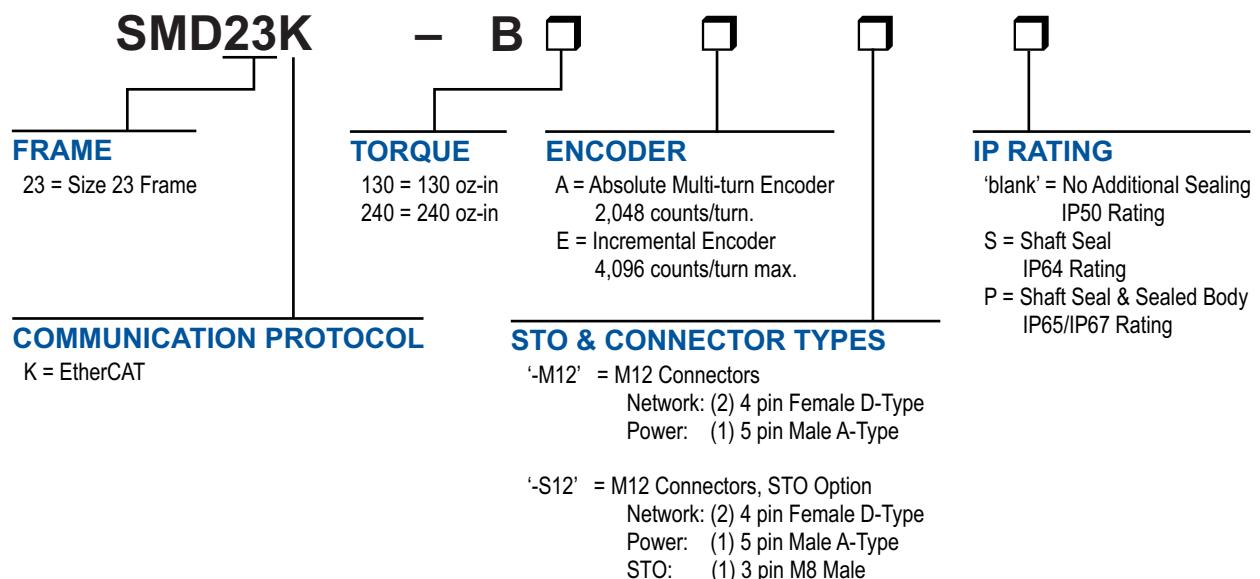
The square motor mount flange on AMCI gearboxes has a nominal side dimension of 2.36 inches (60 mm). The new motors mount to existing AMCI gearboxes, but the new effective motor flange size exceeds the gearbox flange size. When evaluating current and future mounting designs, refer to the Mounting Design Considerations above to determine the need for additional clearance in the area where the motor and gearbox flanges mate.

## New SMD23E Part Numbers

In most applications, the SMD23E product line has been superseded by the SMD23E2 product line. The remaining two products in this line have the following new model numbers.

Old Product Number	New Product Number
SMD23E-130E	SMD23E-B130E
SMD23E-240E	SMD23E-B240E

## New SMD23K Part Numbers



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## New SMD23E2/A2 Part Numbers

