

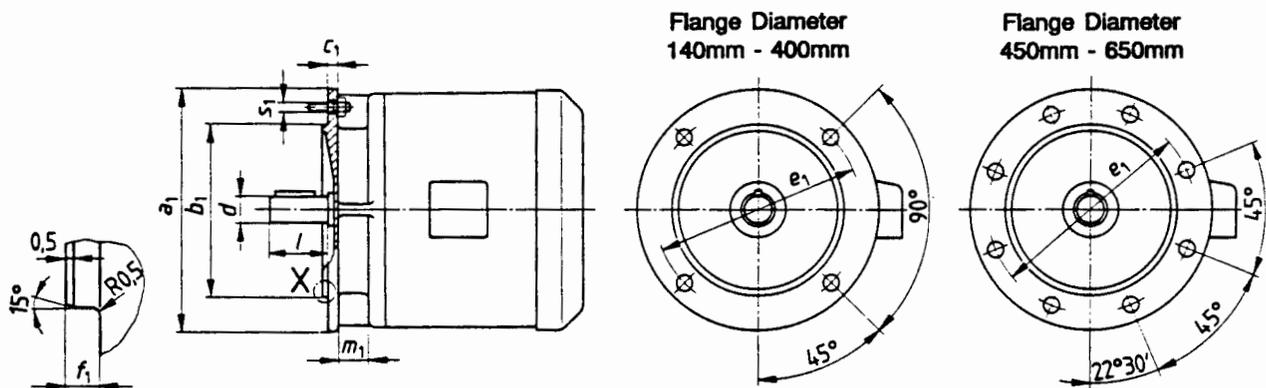
ENGINEERING NOTE

MOTOR

Metric Flanged Mounted Motors

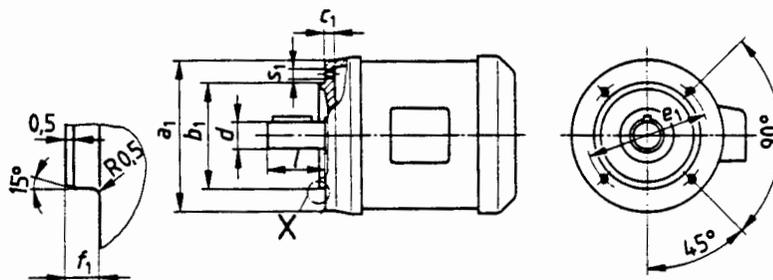
Internationally the flange dimensions of metric frame motors have been standardized similar to the NEMA standard flange dimensions found in the USA. Two of the more common styles of metric flanges found are referred to as B5 and B14 flanges.

B5 (Similar to NEMA D flange)



This is the common type of metric flange provided and can be supplied on flange mounted motors beginning with the 63 frame. It is the style of flange that SEW lists on the dimension sheets of the motor section of the catalogs.

B14 (Similar to NEMA C-Face)



This style of flange can normally be found only on motor frame sizes 56-112M.

SEW
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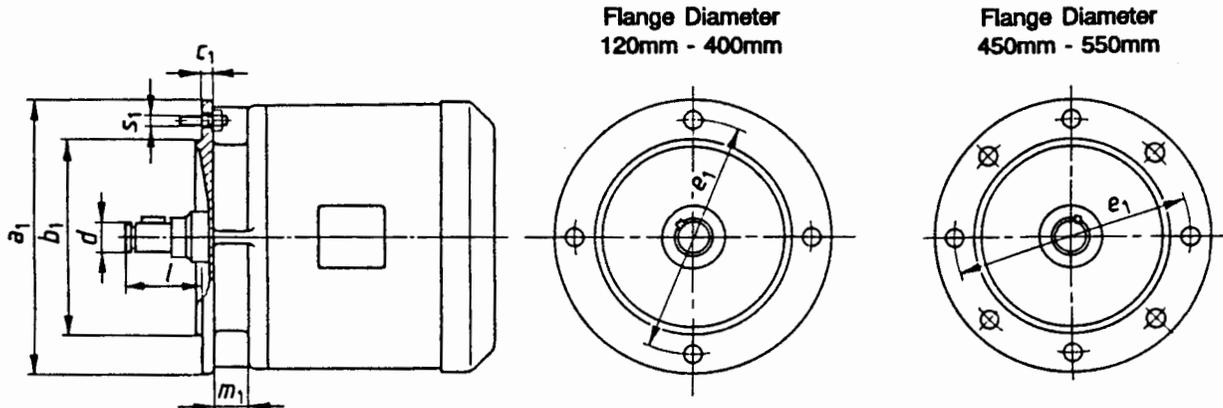
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ENGINEERING NOTE

MOTOR

SEW Integral Gearmotor



This style of flange, which is provided on the SEW motor that is directly mounted to a gear reducer, *is similar to but not the same as* the B5 flange. Also the rotor shaft is specifically machined for mounting of the first pinion gear.

When replacing a metric flange mounted motor, the type of flange, B5 or B14, must be determined first. If the motor is integral with a gear reducer then normally it *will not* be a B5 or B14 style flange and can only be replaced with the original equipment manufacturer's flange motor.

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