



## MOTOR FRAMES

A motor frame type is a designation that a manufacturer assigns to a motor to describe certain construction parameters the motor will be built to meet. Any motors labeled with a common frame type will be built with a similar set of parameters such as motor diameter. A frame type will mandate that a motor meet certain design parameters. For example, in the case of integral horsepower motors, manufacturers typically adhere to the National Electrical Manufacturers Association (NEMA) standards. These standards chart out many design parameters such as what size shaft the motor must have or how the holes in the mounting base will be spaced apart. Motors that are not built to NEMA specifications, as in the case with the majority of air-moving fractional horsepower motors, are designed to frame types that the manufacturers create. These frames usually control fewer parameters as compared to NEMA types since so many of the subfractional motors have custom features. Fasco frame types are listed below.

<b>Fasco frame type</b>	<b>Motor diameter</b>
C-frame	not applicable
3.3"	3.3"
38 frame	4.4"
42 frame	5.0" or 5.1"
48 frame	5.625"