

The cage damper winding is also effective in single phase operation in reducing eddy currents and consequent heating in pole faces.

The Collector Rings of the smaller sizes, 30 and 50 kva., are of a special brass, shrunk over mica insulation on an iron bushing which is pressed on to the shaft.

All sizes from 75 kva. upward have cast iron collector rings insulated from the bushing by V shaped mica.

BRACKET BEARING CONSTRUCTION

The distinctive features of the bracket bearing machines are in the following particulars:

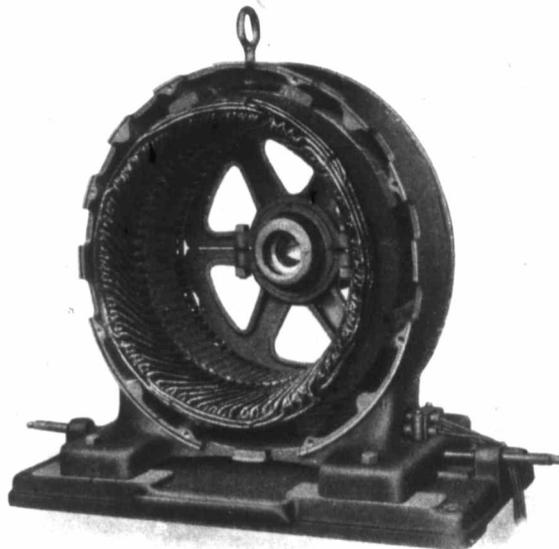


Fig. 12—Frame, Bedplate and Armature Winding
Bracket Bearing Generator

The Frames of 30, 50 and 75 kva. machines are of cylindrical form with substantial supporting feet, the whole being mounted on a bedplate of cast iron, both construction and mounting contributing to steady running.

Cast Iron Bearing Brackets of ventilating type are firmly bolted to the frame. The front or collector end brackets are cast in one piece with a continuous ring. The bearing housing is carried on three arms in the lower