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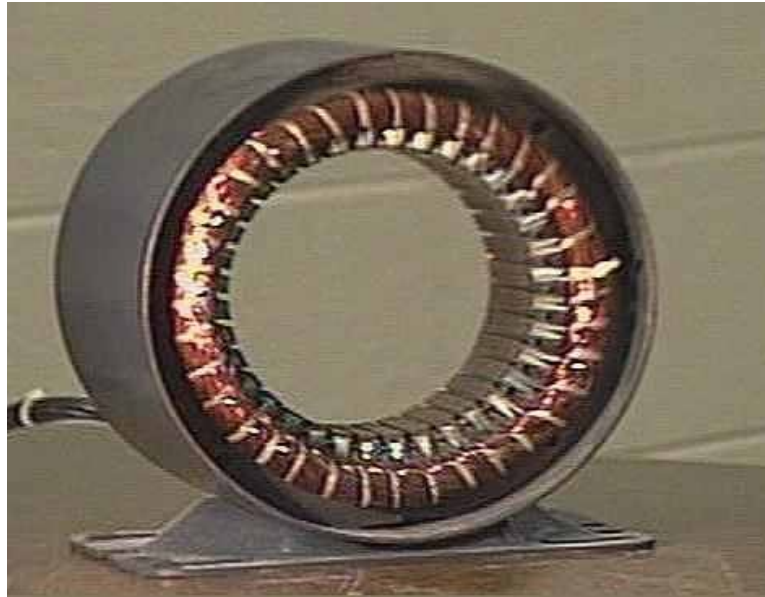
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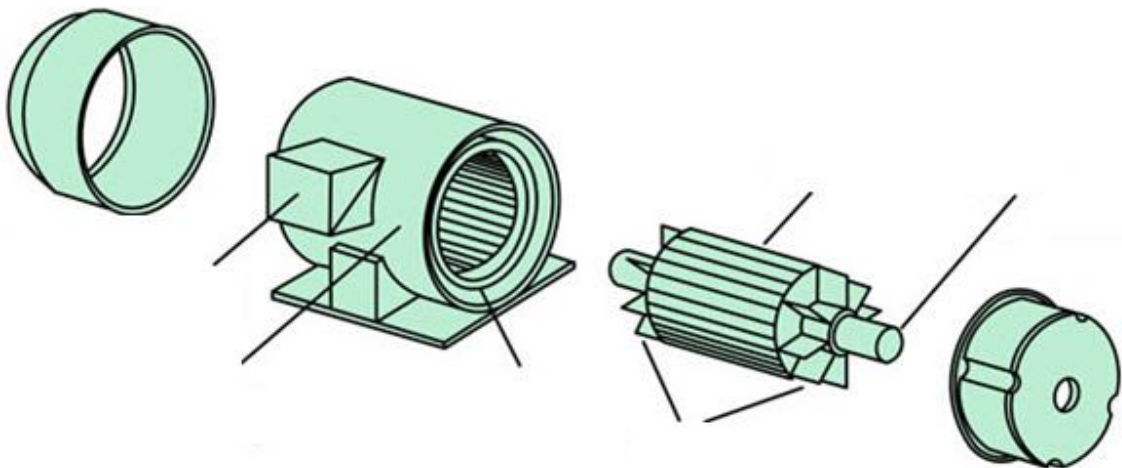


THREE PHASE INDUCTION MOTOR

- 1) a) What part does the picture represent



- b) Name the parts



- 2) The main function of the stator core is to carry the alternating flux. In order to reduce the _____ loss, the stator core is laminated.



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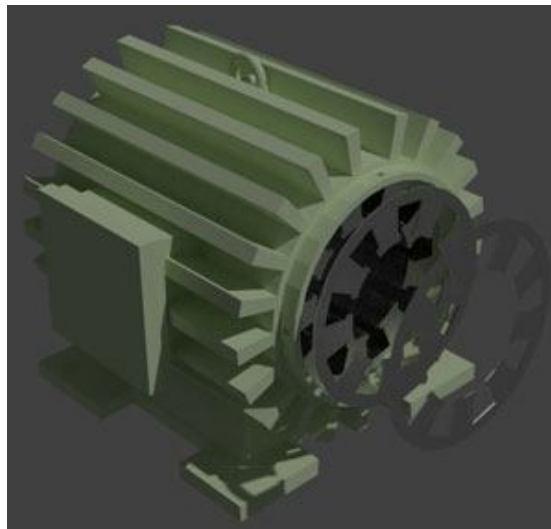
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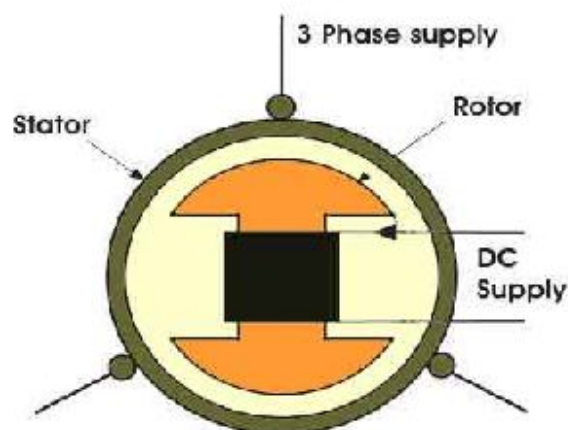


These laminated types of structure are made up of _____ which is about 0.4 to 0.5 mm thick.

All the stamping are stamped together to form stator core, which is then housed in stator frame. The stamping is generally made up of silicon steel, which helps to reduce the _____ occurring in motor.



- 3) Name the machine which are not self starting, and it can operate under any electrical power factor. This makes it being used in electrical power factor improvement.



- 4) a) Name the rotors



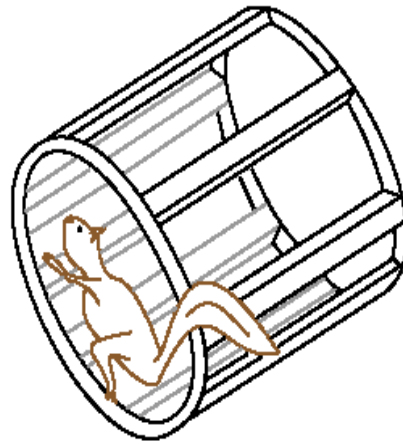
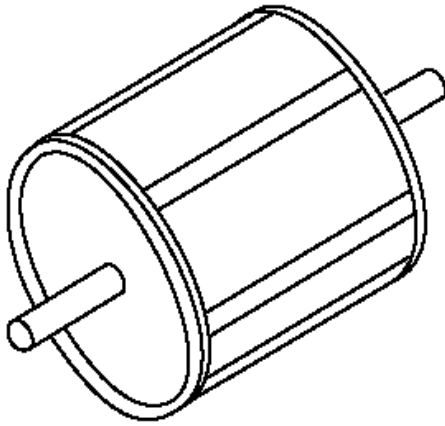
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b) Write any two differences between both

i)	
ii)	

- 5) Which of the following machines have highest power factor with respect to magnetizing current?
 - a) Open slot type machines
 - b) Closed slot type machines
 - c) Semi closed slot type machines
 - d) Any of the above

- 6) Why starting torque is poor in squirrel cage induction motor?

- 7) Write the procedure to draw circle diagram