This type is provited with 3phase double Layer distributed windings consisting of Coils as used in alternators The rotor is wound for as mang poles ds the number of stator poles and a lways wound 3phase even when the Stator is wound 2phase figure 22.5 The &o are Started internally– The other three winting terminas are Grought out and connected to three slip rirgs on shaft with brushes resting on them – These three prushes are Conneoted to 3d Star – Connected rheost at This makes Possible the introduction of additional resistance in the rotor Cricuit during the Starting period for inereainy the Starting forque for changing its speed–torake– current characteristics when running unden normal conditiong the slip rings are tomatically Short –circiuted 6y metul ollar which is pushet the shaft and

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