

Suitability for inverter drive application with limited derating :

SPECTRUM series motors can be specially designed to have significantly lower derating compared to standard motors when fed through invertors. As a result, SPECTRUM series motors operate over a wide speed range catering to continuously changing process needs of any process industry.

These motors have Cast iron body with longer fins resulting in about 20% increased surface area. Thus SPECTRUM series motors are more suitable for variable speed applications.

Non-hygroscopic class ‘F’ insulation with temperature rise limited to class ‘B’ and suitable for 50° C Ambient.

PRIMO/SPECTRUM series motors are provided with non-hygroscopic, composite and compatible insulation scheme of class ‘F’ materials ; however, restricting the temperature rise to class B. As a result, the insulation life is enhanced multi-fold offering higher degree of reliability.

Higher locked rotor and pull out torque thus accelerating the driven equipment quickly.

The torque developed by motor varies throughout the starting sequence and is classified at three different points on the torque speed curve.

Torque / Speed and Current / Speed Characteristics.

