

## **IS 10617:2018 Hermetic Compressors**

Hermetic compressors are sealed compressors that prevent the escape of refrigerants and lubricants, making them ideal for use in refrigeration and air conditioning systems.

This standard deal with the safety and performance requirements of hermetic sealed type standalone motor-compressors operating on vapour compressor cycle, suitable for low, medium and high temperature applications based on reciprocating (including linear), rotary and scroll pump mechanisms, their protection system, if any, which are intended for use in equipment for house hold, industrial and commercial purposes. This standard applies to motor-compressors tested separately under the most severe conditions that may be expected to occur in normal use, their rated voltage being not more than 260 V for single-phase motor-compressors and not more than 480 V for other motor-compressors. This standard also covers:

- a) Multi-speed motor-compressors, that are motor- compressors, the speed of which can be set to different values
- b) Variable capacity motor-compressors, that are motor-compressors where the capacity of the compressor is controlled at fixed speeds.