



Rating Definitions:

Standby Rating is selected for supplying emergency power for the duration of normal power interruption. Overload on this rating is not allowed.

From the generator point of view, if the emergency power is required continuously for **more than one hour** sizing is in accordance with 150°/40° or 163°/27° conditions. Also, if the overload duration is **less than one hour**, then the generator accepts 10% overload above Prime Ratings for 125°/40° or the 125°/27° ratings (see **Prime Rating** below).

In the 'Ratings Book' you can find ratings for:

150°/40° : Peak continuous ratings according to ISO8528-3.

163°/27° : Emergency peak continuous rating, not defined in ISO specification. Suitable for stand-by sizing only.

The ratings are then suitable for supplying continuous electrical power, at variable load, for the duration of any utility power failure. These ratings allow temperature to rise above the temperature rise class H limit which can result in a shorter insulation life. **The 10% overload is not available at these ratings.**

Prime Rating is the maximum power available at a variable load for an unlimited number of hours: it allows the possibility of a 10% overload.

This is equivalent to Prime Power in accordance with ISO8528 and Overload Power in accordance with ISO3046, AS2789, DIN6271, and BS5514. From the generator point of view, it is sized according to the class B, F, H temperature rise requirements or 125°/27° rating.

In the 'Ratings Book' you can find ratings for:

80°/40°: this condition is equivalent to Class B temperature rise. 10% overload on 1 hour over 6 hours is allowed.

105°/40°: this condition is equivalent to Class F temperature rise. 10% overload on 1 hour over 6 hours is allowed.

125°/40°: this condition is equivalent to Class H temperature rise. 10% overload on 1 hour over 6 hours is allowed.

125°/27°: ratings at this condition are equivalent to those listed for the 150°/40° condition. 10% overload on 1 hour over 6 hours is allowed.

We suggest that customers contact the local Mecc Alte Sales representative for guidance on generator selection.