ISO 2528-3 :2005-07 (E)

Reciprocating internal combustion engine driven alternating current generating sets_- Part_3: Alternating current generators for generating sets

Contents

Page

Foreword ... **iv**

1 Scope ... **1**

2 Normative references ... **1**

3 Symbols, terms and definitions ... **2**

4 Other requirements and additional regulations ... **6**

5 Rating ... **6**
5.1 General ... **6**
5.2 Basic continuous rating (BR) ... **6**
5.3 Peak continuous rating (PR) ... **6**

6 Limits of temperature and temperature rise ... **7**
6.1 Basic continuous rating ... **7**
6.2 Peak continuous rating ... **7**

7 Rated power and speed characteristics ... **7**

8 Voltage characteristics ... **7**

9 Parallel operation ... **7**

10 Special load conditions ... **8**
10.1 General ... **8**
10.2 Unbalanced load current ... **8**
10.3 Sustained short-circuit current ... **8**
10.4 Occasional excess current capability ... **8**
10.5 Telephone Harmonic Factor (THF) ... **8**
10.6 Radio interference suppression (F) ... **9**

11 Effect of electromechanical frequency of vibrations when sets operate in parallel ... **9**

12 Asynchronous generators with excitation equipment ... **9**
12.1 General ... **9**
12.2 Sustained short-circuit current ... **9**
12.3 Range of voltage setting ... **9**
12.4 Parallel operation ... **9**

13 Operating limit values ... **10**

14 Rating plate ... **10**

Annex A (normative) **Transient voltage characteristic of an a.c. generator following a sudden change in load** ... **11**