
**Reciprocating internal combustion
engine driven alternating current
generating sets —**

**Part 2:
Engines**

*Groupes électrogènes à courant alternatif entraînés par moteurs
alternatifs à combustion interne —*

Partie 2: Moteurs

Document Preview

ISO 8528-2:2018

<https://standards.iteh.ai/catalog/standards/iso/e9b65cae-ee86-459d-8dc6-3b7967f89765/iso-8528-2-2018>



iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

ISO 8528-2:2018

<https://standards.iteh.ai/catalog/standards/iso/e9b65cae-ee86-459d-8dc6-3b7967f89765/iso-8528-2-2018>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms, symbols, and definitions	1
4 Other regulations and additional requirements	7
5 General characteristics	8
5.1 Power characteristics	8
5.1.1 General	8
5.1.2 ISO standard power	8
5.1.3 Service power	8
5.2 Main characteristics of the RIC engine	8
5.3 Low-load operation	9
6 Speed characteristics	9
6.1 General	9
6.2 Types of speed governor used for generating sets	9
6.2.1 Proportional (P) governor	9
6.2.2 Proportional Integral (PI) governor	9
6.2.3 Proportional Integral Differential (PID) governor	9
6.3 Use of speed governor	10
6.3.1 General	10
6.3.2 Single operation	10
6.3.3 Parallel operation	10
7 RIC engine load acceptance	10
7.1 General	10
7.2 Non-turbocharged RIC engines	10
7.3 Turbocharged RIC engines	10
8 Vibration and noise	11
8.1 Torsional vibration	11
8.2 Linear vibration	11
8.3 Noise	11
9 Heat balance	11
10 Inlet and exhaust system	11
11 Starting ability	11
12 Fuel, lubricants and coolants	12
13 Governing system values	12
Bibliography	13