

INTERNATIONAL STANDARD

**ISO
917**

Second edition
1989-09-15

Testing of refrigerant compressors

Essais des compresseurs pour fluides frigorigènes



Reference number
ISO 917 : 1989 (E)

Contents

	Page
1 Scope and field of application	1
2 References	1
3 Definitions	1
Section one : Determination of refrigerating capacity and of volumetric efficiency	
4 General procedure	2
5 Basic test conditions and deviations	3
6 Basis of calculations	3
7 Test methods	4
8 Method A : Secondary fluid calorimeter	5
9 Method B : Flooded system refrigerant calorimeter	5
10 Method C : Dry system refrigerant calorimeter	7
11 Methods D1 and D2 : Refrigerant vapour flowmeter	8
12 Method F : Refrigerant liquid quantity using a flowmeter	9
13 Method G : Water-cooled condenser	9
14 Method J : Refrigerant vapour cooling	10
15 Method K : Calorimeter in compressor discharge line	11
Section two : Determination of the power, isentropic efficiency and coefficient of performance	
16 General procedure	19
17 Determination of the power input	19

© ISO 1989

All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland