DIN EN 14511-4:2013-12 (E)

Air conditioners, liquid chilling packages and heat pumps with electrica lly driven compressors for space heating and cooling - Part 4: Operating requirements, marking and instructions

Contents

Page

Foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 4

4 Operating requirements 4
4.1 General 4
4.2 Temperature operating range 5
4.2.1 Starting test 5
4.2.2 Test at maximum operating conditions (cooling mode) 5
4.2.3 Freeze-up test 6
4.3 Outside the operating range 7
4.4 Shutting off the heat transfer medium flows 7
4.5 Complete power supply failure 7
4.6 Condensate draining and enclosure sweat test 8
4.7 Defrosting 8
4.8 Other requirements 9

5 Marking 9

6 Technical data sheet 9
6.1 General description 9
6.2 Performance characteristics 10
6.2.1 Rating characteristics 10
6.2.2 Additional characteristics 10
6.2.3 Sound characteristics 10
6.3 Electrical characteristics 10
6.4 Operating range 10

7 Instructions 11
7.1 General 11
7.2 Physical description 11
7.2.1 Refrigerant, air and/or liquid circuits 11
7.2.2 Additional heating devices, when integral to the unit 11
7.2.3 Control and safety 11
7.3 Instructions for installation 11
7.4 Instruction for maintenance 12
7.5 Instructions to test houses 12

Bibliography 13