ISO 6185-3:2001-11 (E)

Inflatable boats - Part 3: Boats with a maximum motor power rating of 15 kW and greater

Contents

Page

Foreword v

Introduction vi

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Materials 3
4.1 General 3
4.2 Reinforced materials making up the hull (excluding glass-fibre-reinforced plastics components) 3
4.2.1 Requirements 3
4.2.2 Test methods 4
4.3 Wood 5
4.3.1 General 5
4.3.2 Plywood 5
4.3.3 Constructional timbers 6
4.4 Metal and synthetic material parts 6
4.5 Glass-fibre-reinforced plastics 6

5 Functional components 6
5.1 Conditioning 6
5.2 Hull fittings 6
5.2.1 Requirement 6
5.2.2 Test method 6
5.3 Manual lifting and carrying devices 6
5.3.1 Requirement 6
5.3.2 Test method 6
5.4 Valves 7
5.4.1 Inflation 7
5.4.2 Deflation 7
5.5 Rowlocks and oars 7
5.5.1 Requirements 7
5.5.2 Abrasion damage 7
5.5.3 Prevention from loosening 7
5.5.4 Strength of rowlocks 8
5.5.5 Use of the rowlocks and oars 8
5.6 Transom (where applicable) 8
5.6.1 Requirement 8
5.6.2 Test method 8
5.7 Hull drainage 8
5.8 Remote steering system (where offered as standard or optional equipment) 8
5.9 Motor-securing line attachment (outboard engines only) 9
5.10 Towing device (all types) 9
5.11 Seating and attachment systems (where offered as a standard or optional equipment) 9
5.12 Electrical installations (where offered as standard or optional equipment)) 9
5.13 Fuel systems (where applicable) 9
5.14 Ventilation of petrol motor and petrol tank compartments (where applicable) 9

6 Safety requirements of the completed boat 9
6.1 Maximum permissible number of persons 9
6.2 Maximum motor power 10
6.3 Static stability of the boat 10
6.3.1 Requirement 10
6.3.2 Test method 10
6.3.3 Stability factor (Type VIII boats only) 11
6.4 Maximum load capacity 11
6.4.1 Requirement 11
6.4.2 Test method 12
6.5 Design working pressures 12
6.6 Strength of the hull 12
6.6.1 Requirement 12
6.6.2 Test method 12
6.7 Safety ropes and grab handles 13
6.7.1 Requirement 13
6.7.2 Test method 13
6.8 Residual buoyancy 13
6.8.1 Requirement 13
6.8.2 Test method 13
6.9 Manoeuvrability 13
6.9.1 Requirement 13
6.9.2 Test method 13
6.10 Compartmentation 13
6.11 Field of vision from the helm position 14
6.12 Provision for (a) liferaft(s) (Type VIII boats only) 14

7 Performance test 14
7.1 General 14
7.2 Drop test (RIBs only) 15
7.2.1 Requirement 15
7.2.2 Test method 15
7.3 In-water performance 15
7.3.1 Requirement 15
7.3.2 Test methods 16
7.4 Strength of the towing device 16
7.4.1 Requirement 16
7.4.2 Test method 16
7.5 Rowing test (where applicable, see 5.5) 17
7.6 Watertightness test (not applicable to open floor, self-bailing craft) 17
7.6.1 Requirement 17
7.6.2 Test method 18
7.7 Manoeuvring-speed test 18
7.8 Bailing test (Type VIII boats only) 18
7.8.1 Requirement 18
7.8.2 Test method 18

8 Builder's plate(s) 18

9 Operator's instructions and warning notes 19

10 Standard equipment 20

Annex A (informative) General arrangement of a typical type VII boat 21

Annex B (informative) General arrangement of a typical Type VIII boat 22

Bibliography 23