ISO 24147:2023-12 (E)

Road operation machinery and associated equipment - Sweepers - Commercial specifications

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Classification 6

5 Commercial specifications 7
5.1 General information 7
5.2 Sweeping path width of the suction machine 7
5.3 Mass and loads 7
5.4 Machine dimensions 7
5.5 Driving characteristics 8
5.6 Drive system 9
5.6.1 Internal combustion engine for sweeper 9
5.6.2 Alternative drive systems electrically/battery-powered sweepers 9
5.7 Transmission device for sweeping gear 10
5.8 Dust suppression water system 10
5.8.1 General 10
5.8.2 Freshwater system for street-washing and/or street-flushing machines 10
5.8.3 Water recirculation system for street-washing and/or street-flushing machines 10
5.9 Debris hopper 11
5.10 Sweeping gear 11
5.10.1 Side (gutter) broom 11
5.10.2 Extension (main) broom 11
5.10.3 Transfer broom 11
5.10.4 Broom inclination angle 11
5.11 Blower system 11
5.12 Vacuum system 12
5.13 Hydraulic system 12
5.13.1 General 12
5.13.2 work hydraulic (continuous/rotating function) 12
5.13.3 work hydraulic (linear function) 12
5.13.4 auxiliary drive for sweeping functions (if any) 13

Annex A (informative) Structure and dimension characteristics of sweepers 14

Annex B (normative) Turning and sweeping dimensions 19

Annex C (normative) Brush inclination angles 20

Annex D (normative) Hopper discharge angle and dumping height 21

Annex E (normative) Hopper capacity and water tank volume 24

Bibliography 25