

DIN ISO 24147:2025-05 (E)

Road operation machinery and associated equipment - Sweepers - Commercial specifications (ISO 24147:2023)

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