

SCHMIDT

Swingo 200+ Koanda

Compact Sweeper



The new Swingo 200+ Koanda

- ✓ Optimises your performance
- ✓ Reduces your costs
- ✓ Maximum driving comfort

Innovation Inside: Make up your ideal sweeper

The combination of the pressurised water recirculation system and the Koanda air circulation system for which a patent is pending reduces the emission of harmful particulate matter by up to 95%. Moreover, the water consumption and the noise level during sweeping operations are reduced significantly. Combined with a new, intelligent pressurised water recirculation system, the machine becomes even more efficient and eco-friendly than ever before – the need for time-consuming stops to refill water is eliminated, making extended sweeping operations possible.



Pressurised water recirculation system

- Large amounts of water in the suction system ensure reliable and low-wear collection of dirt
- The optimum water recovery system guarantees:
 - ✓ Compacted and semi-solid debris
 - ✓ Efficient handling of resources
 - ✓ Optimum utilisation of the hopper capacity



Koanda air circulation system

- The one-of-a-kind Koanda air circulation system
 - ✓ Eliminates particulate emissions nearly completely
 - ✓ Significantly reduces the noise level
 - ✓ Impresses with low water consumption
 - ✓ Permits sweeping operations even at moderate sub-zero temperatures

Maximum driving comfort

- All-wheel steering
- Variable-speed hydrostatic drive
- Hydropneumatic suspension
- Lowerable chassis as an option
- Disc brakes at front and rear



Swingo 200+ Koanda

1. Excellent operational comfort

- Easy and straightforward operation
- Multi-function control lever - Auto-Drive (option)

2. Maximum driving comfort

- Ergonomically designed driver's cab
- Air-conditioning system (as standard)
- All-wheel steering
- Variable-speed hydrostatic drive
- Hydropneumatic suspension
- Lowerable chassis (option)
- Disc brakes at front and rear

3. Environmentally friendly sweeping operations

Minimised particulate emissions due to unique and innovative technology:

- Pressurised water recirculation system
- Optional Koanda air circulation system

4. Optimised suction performance

- High suction performance over the entire width
- Automatic collection of course dirt
- Infinitely variable fan speed
- Reliable sweeping results even at moderate sub-zero temperatures

5. Powerful, silent and clean

- High-performance Common Rail turbo diesel engines
- Maximum torque at low engine speed, optimised consumption
- Euro 6 with particulate filter and SCR system (AdBlue)
- Alternatively EuroMot 3B engine without SCR system (AdBlue)

6. Options

- Koanda air circulation system
- Auto-Drive (operation via control lever)
- High-pressure water pump of up to 150 bar
- Wander hose
- Reversing camera / Suction nozzle camera
- Weed brush
- Winter equipment
- Lowerable chassis

euro 6



- Auto-Drive



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Driver's cab

Flexibly mounted driver's cab with two seats, all-round glazing for unobstructed view of the working and traffic area, sliding windows on the left and right, soundproof, ergonomic driver's seat, air-conditioning system fitted as standard, height- and tilt-adjustable steering column incl. swivelling function for ergonomic entry and exit, single-key locking system, central display showing all relevant machine parameters with user-friendly menu navigation Options: Auto-Drive (operation via control lever), radio-CD player, etc.

Sweeping unit

| | |
|-----------------------------|----------------|
| Brush diameter | 850 mm |
| Brush speed | 0 – 100 1/min |
| Sweeping width side brushes | up to 2,200 mm |
| Sweeping width max. | 2,600 mm |

Hydraulic brush lifting and lowering, automatic lifting of brushes when reversing, separately extendable and retractable, various brush materials, quick-change system for all brushes, optional hydraulic tilting of side brushes

Suction system

Hydraulically operated high-performance suction fan, nearly infinitely variable suction performance; pendulum-type suspension of suction nozzle with parking supports, automatic lifting of suction nozzle when reversing, gradual lifting and lowering, optimum suction performance due to favourable hose guide
Option: Koanda air circulation system reducing the emission of harmful particulate matter by up to 95%

| | |
|------------------|-----------------------------------|
| Aluminium hopper | approx. 2 m ² capacity |
| Discharge angle | 55° |
| Discharge height | 1,400 mm |

Water system

With pressurised water recirculation system:
Polyethylene (PE) water tank, fresh water tank with 190 l and water recirculation tank with 190 l capacity (Euro6: water recirculation tank 170 l); tank additionally contains up to 250 l of circulating water; electric fresh water pump 3.5 bar / 11 l/min, tried and tested pressurised water recirculation system with hydraulic process water pump, maximum water capacity of 40 l/min for optimum capture of dust particles

High-pressure cleaning system 15 l/min at 150 bar (option)

Engine

Either:

VM R754 Euro6, Common Rail, 3.0 l cubic capacity, 62 kW (84 HP) at 2,300 rpm, 270 Nm at 1,350 rpm; incl. closed diesel particulate filter system, urea (AdBlue) injection and SCR system

Or:

VM R754 ISE4 EuroMot 3B, Common Rail, 3.0 l cubic capacity, 55 kW (75 HP) at 2,300 rpm, 310 Nm at 1,100 rpm; incl. open diesel particulate filter system

Drive

Variable-speed hydrostatic drive with axial piston units on the rear axle, cruise control for relaxed working; automatic load-dependent adjustment (automotive driving)

Option: Auto-Drive operation via control lever during sweeping and via accelerator during driving

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|--------------------------|--|
| Variable transport speed | 0 – 50 km/h (option: 25, 45 or 50 km/h) |
| Variable operating speed | 0 – 12 km/h |
| Gradeability | 25% |

Steering

Either front-axle steering or all-wheel steering

Brakes

Hydraulic power brake system acting on all wheels; disc brakes at front and rear, spring-loaded brake as parking brake acting on the rear axle

Tyres

Standard 215 R 14 / Option: 205/65 R 17.5

Weights

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|---|----------|
| Empty weight (basic equipment Euro 6) | 3,000 kg |
| Empty weight (basic equipment EuroMot 3B) | 2,950 kg |
| Total permissible weight at up to 50 km/h | 4,500 kg |
| Option | 5,000 kg |
| Payload (Euro 6) | 1,500 kg |
| Option | 2,000 kg |
| Payload (EuroMot 3B) | 1,550 kg |
| Option | 2,050 kg |

Dimensions

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|---------------------------------------|----------|
| Length without 3rd brush | 4,030 mm |
| Length with 3rd brush | 5,030 mm |
| Width without brushes | 1,300 mm |
| Width with brushes | 1,400 mm |
| Height without warning beacon | 1,990 mm |
| with KOANDA system | 2,020 mm |
| Height with warning beacon | 2,335 mm |
| Wheelbase | 1,820 mm |
| Track width | 1,053 mm |
| Turning circle diameter between kerbs | 4,750 mm |
| Turning circle diameter between walls | 6,800 mm |

