ESE 3
RS 1100 K

Basic data

Chassis	Mercedes Benz Atego
Wheelbase	4,160 mm
Diesel engine	238 PS
Overall measurement	8,000 x 2,400 x 3,070 mm
Unladen vehicle weight	11,300 kg
Gross vehicle weight	12,000 kg

Suction system specification

Actuation	Hydraulic
max. volume	11,300 m^3/h
max. vacuum	14,855 Pa
Container	cyclone 1.1 m³
Container discharge	side tipper into big bag
Compressed air system	4.5 m^3/min, 7 bar
Filter system	22 cartridge filters,
Control system	PLC and radio remote control

Articulated hose carrier

Manufacturer	Palfinger PC 1500 A
Pivoting	190°
Range	3,100 mm
max. lifting power	380 kg
Suction hose	length 4,930 mm, diameter 150 mm

10 m*
Suction depth

30 m*
Suction distance

* Depending on material

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Additional Equipment

High-pressure water system	160 bar, 25 l/min, 400 l tank
Hose reel	1x oiled air, 1x un-oiled air, 1x high-pressure water
Connections	external hydraulic outlet
Tool Box	additional stainless steel storage box
Container	Side door in container for removal of material

Core Bore Unit

Height	1360 mm
Diameter drill bitt	650 mm
Weight with drill bitt	360 kg
max. drilling depth	450 mm
max. operating pressure	200 bar

Freatures

- Low investment and operating costs
- Minimal set up times and simple to transport to sites
- Much faster, efficient and safer than conventional methods of excavation and reinstatement
- One person operation
- Improved health and safety as engineers no longer need to physically enter a trench
- Circular boreholes do not develop stress cracking as they have no corners
- Less material is removed from the excavation
- The original round core which is removed from the road/pavement surface is reused in the final re-instatement process
- It is easier to compact a small diameter excavation than a large trench
- The bonding agent used to replace the original cored pavement material is more durable than traditional imported asphalt methods