

Technical characteristics

Designed and certified for:

- assembly on a 3-axle, min 400 HP chassis.
- suctioning, displacing (option), transporting and discharging dry, wet and hazardous substances, such as sludge, sand, (roof) gravel, fly ash, powders and various types of liquids.
- ASME approved.

Pressure/vacuum tank

Volume	: 3170 USG, excl. cyclone separator.
Material	: stainless steel AISI 316 grade, material no. 1.4404.
Rear door	: hydraulically opening and bolting.
Discharging	: by means of tipping (45°) or air displacement.
Loading	: by means of suctioning or through the manhole on top.
Including	: 6" suction connection with coupling as desired, provided with an 8" elbow with exchangeable Hardox wear resistant plate.
	: 6" discharge connection with coupling as desired, on the rear door (excluding quick-exchange system).
	: level detectors.

Cyclone separation system

Design	: 2x4 cyclones for separation of material particles.
Provisions	: separator tank with a vacuum return system in combination with an air cleaning system (air shock system/air return flow) on behalf of cleaning the cyclones and filter elements.
Including	: cyclone/filter cleaning by means of a programmed 3 phase pulse time interval switch, adjustable on the control panel.
	: level detector (wet/dry) in the collecting receptacle.
	: air flow separation system in the separator tank.
Safety filter	: each cyclone is equipped with its own fine dust safety filter with a standard filter according to group E12 (EN 1822-1:2017) (class M).

Vacuum pump

Type	: Roots blower.
Air displacement	: 4767 CFM.
Max. vacuum	: 28 inHg.
Max. overpressure	: 15 psi.
Drive	: by means of a crank shaft and V-belt transmission from the fly wheel PTO.
Including	: silencers.

Dimensions

Length	: approx. 400".
Width	: approx. 98".
Height	: approx. 155", chassis-dependent.
Wheelbase	: approx. 253", chassis dependent.

Weights

Empty weight	: approx. 38800 lbs, chassis and version dependent.
Max. technical permissible weight	: approx. 62000 lbs (combined with a 62000 lbs 6x4 chassis), depending on the regulations in the country of destination.

Standard safety provisions

Consisting of	: rupture disc, hose rupture safety valves on behalf of the rear door and tipping cylinder, beacon light, emergency stop, tip unbolting protection, repair cross beam, catwalk, rear door clamp protection, earth reel, emergency stop reel, rear door protection, tipping protection and powder extinguisher.
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Miscellaneous

Provisions	: working light, hydraulic rear bumper and stainless steel control box/coupling box/tool box.
Body inspection	: arranged by KOKS United States.
Instruction manual	: consisting of operating/maintenance instructions, drawings and schedules.



Options

KM-01	High pressure kit
KM-03	SkyTip kit
KM-04	Discharge assistance kit
KM-05	Compressor kit
KM-09	Nitrogen inert system*
KM-10	Safety filter*
KM-11	Tank material
KM-12	Positive displacement system*
KM-13	Hydraulically hinged bumper
KM-15	Bulk compressor*
KM-23	Excavation arm
KM-25	KSS kit (KOKS Safety Standard)
KM-27	DOT 407/412 kit

* to be agreed in consultation

Special options CycloVac

KC-01	Blowing cover with quick-exchange system
KC-02	Liquid cover in combination with the quick-exchange system (refer to KC-01)
KC-03	Transfer box drive
KC-04	Additional tool box on the bottom right
KC-05	Chassis pressure/vacuum tank volume

