



COMBI PASS
RENTAL INTERMODAL EQUIPEMENT

**30 FT TIPPING CHASSIS 24 V- with ROTARY FEEDER hydraulic
ladder & walkway at the front**

DIMENSIONS :

overall length	approx 10,4 m
total width	max. 2.550 mm
fifth wheel height (unladen)	1.150 mm (assumed value)
chassis height	approx. 1.300 mm
centre kingpin to landing legs	2.390 mm

WEIGHTS : (max. technical / plated)

kingpin: 12.000 kg
axles: 27 000 kg
total: 39 000 kg
Empty weight : 5 740 kg

CHASSIS:

- . straight steel chassis with 2 main I-beams at 1400 mm track and necessary cross members in between.
- . 4 twistlocks for transporting and tipping of a 30' ISO container.
- . Front twistlocks directly mounted onto sub frame of the tipping cylinder
- . Rear twistlocks placed at a turnable cross bearer flush at rear.
- . Rear twistlocks interconnected and equipped with steel chamfered edges for better guidance/positioning of container.
- . Chassis at rear extended and equipped with an ERIKSEN rotary feeder (non tipping type) and a supplementary steel underrun protection

TIPPING CYLINDER :

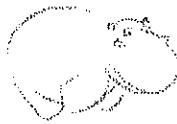
Front hydraulic tipping cylinder make Hyva serie FC 169 non-chrome plated cylinders. No tipping group, tipping angle between 45° and 50°, Hyfix clamp, with anti-burst valve directly on the cylinder.
Feed for tipping cylinder and rotary via pump group on truck via two 1" outside thread connections with blanking cap at left side front (without connecting hoses for truck).

SUSPENSIONS & AXLES :

Mercedes DCA weightmaster 3 x 9 T
air suspension Mercedes
raise and lowering valve Wabco TASC with automatic reset-to-ride position axle spread 1310 / 1410 mm
no liftable axles disc brakes 430 mm

RIMS & TYRES:

6 off aluminium Alcoa silk gloss rims, offset 120 mm and tyres 385/65 R 22,5
Dunlop SP 244



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KINGPIN:

2" SAE, make JOST, 1 position bolted in 8 mm Kingpin plate.

LANDING LEGS :

Front: mechanical type, 2-speed, 1-side mechanically operated, capacity 24 ton,
make JOST MODUL B (steel) with compensating feet

Rear: mechanical, type (reinforced) MODUL CS with fixed plates 2-
speed, 2 sides separately

BRAKING SYSTEM :

2-line air pressure according to EC regulations ECE R 13.9 and pneumatic parking brake on
two axles

2 x ISO-couplings at the front;

anti-blocking system Wabco EBS + RSS 2S/2M with feed over 7-pole plug at front ISO 7638 +

emergency feed circuit via stoplights

dise brakes 430 mm

ELECTRICAL SYSTEM :

24 Volt according EC road regulations with 5-chamber Aspöck - Europoint II rear lights with
license plate lightning included

one 15-pole connecting socket + 2 7-pole sockets ISO 1185 + 3731 at the front 2

front + rear marker lights Aspöck

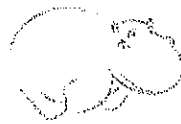
side marker lights Aspöck (LED)

ADR-wiring

2 yellow / orange length marking plates at rear

ACCESSORIES :

SPARE WHEEL CARRIER	none
MUDGUARDS	black synthetic covers over each wheel rubber anti-spray mud flaps behind wheels of second and last rudes
TOOLBOX	1 off in Alloy dimensions 2.460 x 700 x 490 mm with swing door with gastruds, mounted left side between front landing legs and axles. Bottom plate protected with rubber. Box with 4 compartments to house the tundish, couplings hoses and other accessories.
SIDEGUARDS	according EC regulations Left side : big toolbox acting as side guard Right side : fixed aluminium side guard
HOSE CARRIERS	4 hose carriers near inside ofl-beams out of black PE Diameter 200 mm, length 6 m, at rear covered by a lockable stainless steel tailgate 2 short hose carriers (black PE), diameter 160 mm, length 2500 mm, cross wise before the front landing legs Black PE covers at right hand side. at the right hand side a 3" stainless-steel airline with Storz couplings 3" at front+ rear complete with blanking stops and cable and 24 Volt aluminium air cooler.



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AIRLINE CARRIER

Drum filter 5 micron and non-return valve behind the filter
Blow down valve mounted between first and second tyre
and pointing downwards.
Line at the rear equipped with a pressure- and
temperature gauge.

ROTARY FEEDER

make Eriksen, full stainless steel

Pos. 1.:

Rotary feeder type ER2G18-L in stainless steel 304. The rotary feeder is equipped with airseals for the unloading of granulates or powders. The rotary is driven by an OMR 315 hydraulic motor (no gearbox). It has got 100 mm pipes with 3" Storz coupling at the inlet and 4" Storz coupling at the outlet. It is mounted lengthwise. It comes with a manometer and a thermometer.

Pos. 2.:

The rotary comes with one cover and one top plate. The top plate fits for a 250 mm hose to be connected onto the container or tundish. The top plate is equipped with a filter for return air. The top plate can be used for unloading powder, however the return air must be led back into the container when discharging powder. Quick couplings for the installation of the top plate, cover and frame for cleaning are included.

Pos. 3.:

Tundish type "fishtail" made in stainless steel. Counterpart with butterfly valve. Hose in dia. 250 mm incl. couplings to establish connection between the tundish and the rotary feeder. The tundish is adjustable in the height.

Pos. 4.:

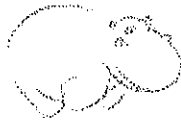
Frame with bars to be used during cleaning operations.

Pos. 5.:

Hydraulic system for the operation of tipping system and rotary feeder. To be supplied by a simple pump system at the truck. This means that there is only one hydraulic pressure line and one return line. Flow must be minimum 50 l/min, pressure 170 bar. The system is pneumatically operated. All control valves are placed at the rear left side of the trailer from where the driver operates the entire discharge. It is designed to tip the container up, run the rotary feeder and tip and run the rotary feeder simultaneously. The direction of rotation of the rotary is reversible and the speed is adjustable. The system includes all necessary parts to operate tipping system and rotary feeder, however oil tank and oil pump are not included. The hydraulic system is equipped with safety valves set to the operating pressures of the hydraulic tipping cylinder and to the hydraulic motor. Furthermore two safety features according to CE approval are included.

1. If the top is removed from the rotary feeder it will stop.
2. In case that the motor which runs the compressor makes an unintended stop the rotary feeder must be restarted, it will not start by itself as the motor is restarted. This is done by engaging the normal start procedure.

Manual and plan for maintenance included.



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Capacity:

Capacity in plastic pellets: 20-28 ton/hour at 50 m distance in 100 mm pipes.

Capacity in plastic powder: 10-15 ton/hour at 50 m distance in 100 mm pipes. Distance means vertical through a pipe with one or two bends.

At longer horizontal distances the capacity can be reduced.

Backpressure caused by small pipes or small silo filters can reduce the capacity.

- Required air volume: 900 - 1000 m³/hour.
- Max. working pressure: 1bar.
- Max. temperature of conveying air: 60° C.

OTHER EQUIPMENT:

- steel rear chocks
- 2 yellow plastic wheel chocks with holder
- 2 water level indicators
- 2 earthing strips at rear (no earthing reel)
- no ADR equipment
- 1 small stainless steel panel housing the operating controls of rotary feeder / tipping cylinder at left side rear.
- access steps at both sides at rear (Alloy chequered plate) above the bumper and rear lights
- quick coupling connection 1/2" at rear near license plate to connect an air gun (excl. air gun)
- ladder with walkway and collapsible handrail at front
- no stainless steel toolbox
- no full width mudflap possible due to split bumper!

*** PAINTING & FINISH :**

chassis after assembly shotblasted with steelgrid, protected against rust with zinc-rich primer (> 80 % zinc) and painted with a high quality 2-pack acrylic paint.

Mainframe with twinstock / tipping cylinder and outside of toolbox : painted in one non-metallic RAL colour in green RAL 6018

Stainless steel airline and rotary remain unpainted.

Aircooler blank aluminium remains unpainted.

Axles / axle hubs / landing legs: black pre-painted suppliers Rims:

Aluminium blank

Instruction decals rotary valve, tipping cylinder, hydro couplings

With reflective block-stripping at sides (white) and at rear (red)

*** APPROVAL:**

Including European COC certificate and French code cnitage