

DUMET - ZNZ s.r.o. Přeštice

Tractor trailer VLH

On universal tractor trailer GRAND SUPER for transport of feeding mixtures

Description of tractor trailer VHL

Tractor trailer VLH with changeable container on the tractor chassis GRAND SUPER producer ZDT Nové Veselí is mentioned for transport of feeding mixtures, grains and loose substrates.

Container is made form steel sheets. Upper filling cover is placed in the middle (lengthwise axis) of the body and is controlled by pull bar. At the back of the body is placed screw conveyor, which transport the material to the feeder and from feeder is transported by pressure air to the hopper. Feeder and screw conveyor are driven chains by hydro-motor Danfoss with possibility of regulation rpm. Supply of the pressure is made by blower RBT68 (English produces Holmes– Dresser). Blower is driven through auxiliary gearbox by cardan shaft, which is connected to the tractor drive. Hydraulic circuit is connecter to the tractor hydraulic system.

Technical parameters of the chassis ZDT Grand Super

- universal chassis – holder of the container
- maximum load 9 tons (depends on the container)
- maximal speed 40 km/h
- spring loaded axles
- hydraulically controlled supporting bar
- lower carriage shaft do (upper on the request)
- with turning suspension eye or
- ball-shaped hook K80
- wide profile tires 500/50x17, 4 pieces

Technical parameters of the container VLH

Standard dimension of the body:

Cubic content	16 m3
Maximum load	cca 9 000 kg
Outline dimensions:	
length	4 000 mm
height	3 200 mm (max. 3400mm)
width	2 400 mm

Drives:

- supply of the pressure air – blower RBTM68
- drive of the blower – cardan + auxiliary gearbox (3:1)
- drive of the feeder and screw conveyor – hydro-motor DANFOSS

Parameters of the pneumatic supply:

- Maximal overpressure of the air 800 mBar
- Amount of the air 600 m3 / hour
- Output of the pneumatic transport:
  - granulated mixtures 30 t / hour
  - lose mixtures (depends on the physical parameters) 15 - 23 t / hour
- Output is limited by :
  - pipe line diameter 100 mm
  - height up to 10 m
  - one hosepipe length 3 m and one bend 90° with diameter 1 meter









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