

Standard MultiSpace trailer

Technical specifications

MultiSpace trailer is built-up on a stripped-down chassis that is specially reinforced in the gooseneck. The trailer is reinforced to counteract torsions and deflections of the building-up.

<u>Main dimensions:</u>	<u>External:</u>	<u>Internal:</u>
Length:	13.850 mm	approx. 13.000 mm.
Width in a transport position:		
Width in an extended position:	approx. 4.690 mm	approx. 4.580 mm
Total height:	max. 4.000 mm	
Weight:	approx. 11.300 kg	excl. generator
Height in the fixed part:		approx. 2.765 mm
Height of extension:		approx. 2.460 mm
Length of extension:	approx. 8.200 mm	
Width of extension:		approx. 1.073 mm
Floor space in an extended position:	approx. 48 m ²	

Chassis: Manufactured of solid IPE profiles as chassis side-walls. The strong cross strings are welded to the chassis side-walls. Chassis is specially reinforced in the gooseneck and it is all-welded in all welded assemblings.

Axles: Undercarriage is delivered as standard with 2 pcs. 8 tons axles with drum brakes, manufacture ROR or BPW. A sensor for ABS is mounted on one axle. One axle is liftable.

Spring damping: An air-driven spring damper with lifting/lowering function is mounted on both axles. The delivery can include sideways lifting/lowering function against additional price.

Brakes: 2 pcs. conducted of compressed air/mechanical brakes with load depended adjustment, ALB valve, ABS system and standard brakes with spring brakes.

Wheels: 9 pcs. decks on steel wheel rims, 215/75 R17,5 Michelin. Wheel rims are varnished.

Driving protection: The rear light frame is reinforced from inside, so that it complies with the regulations for driving protection.

Suspension of spare wheels: If there is enough place, there can be mounted a special device to hang spare wheels. Placing can be agreed during projecting.

Supporting legs: 4 pcs. 2-speed supporting legs, 2 pcs. mounted to the gooseneck in the front end, and 2 pcs. mounted in the rear end, the supporting legs are individually operated to adjust the MultiSpace trailer to stand in level.
Spirit levels are mounted in both the front and the rear end to adjust the trailer to stand in level.

Mudguards: PVC mudguards with mud flaps are mounted in solid suspensions over the wheels.

24 V electric installations: 1 pcs. especially manufactured light frame mounted with 4 pcs. rear lights type Hella.2 SD 001 685-231 I.
2 pcs. number plate lights.
2 pcs. lurch lights.
2 pcs. rear lights.
2 pcs. reflection panels according to the regulations.
4 pcs. position lights (2 in front and 2 at the rear side).
6 pcs. side marking lights (diode lights)

Coachwork: The coachwork is made of sandwich elements with 2 mm glass fibre pans on both the outside and on the inside (colour white RAL 9010) The coachwork is insulated with 50 mm insulation material which is fixed to the glass fibre pans by 2 comp. glue. This gives a stabile and solid construction, all elements are edged with square aluminium profiles.
In both the right and the left side the coachwork is provided with mounted expandable "drawers" to increase the floor area in extended position. The expandable drawers consist of sides/ends/ceilings and foldable floor panels. The side sections are activated from transport position to expanded position by 1 pcs. lockable 2-pointed el. contact for out- and in-operation, connected to 1 pcs. 380 v el. engine/motor with worm gear. Under the drawers there are mounted 2 pcs. of lengthwise transmission axles with toothed wheels, which are connected to 5 pcs. of toothed bars with solid telescope tubes welded to each side. The telescope tubes have a travel on approx. 1100 mm. The expanding of the drawers can, at power failure, be performed manually with an enclosed handle.
The expansion can only be operated when the parking brakes are activated.
The expanding sides are equipped with solid tightening profiles in both open and locked position.
All outside couplings are covered with aluminium angle profiles, which are glued and fixed to the coachwork, all inner corner-couplings are jointed with grouting cement.

Floor covering: The floor is covered with 2 - 2½ mm linoleum floor cover in the required colour, skirting boards along the walls and couplings on the floor joints are strengthened by screwed-on stainless rails.

Storage room: In the frames on both the right and the left side, storage rooms are mounted, cases equipped with air-holes and rubber mats in the bottom.

1 pcs lid is mounted on both sides at the rear side at the rear axle and 2 pcs in front of the front axle.

Side walls are mounted by the side of the wheels and in front of the front storage lids and behind the rear storage lid.

The storage room is welded as a solid steel skeleton, mounted with 21 mm wisa form plates in the ends/bottoms and loft, the storage room are equipped with

The doors to the storage room are top-hinged, made of aluminium plates edged with washer profiles on the three sides, the upper side is mounted with PVC hinges in full length. In-built key-locks are mounted in the lids. To keep the lid open, each lid is mounted with 2 pcs. gas cylinders.

Rear doors:

Inside the back board 1 pcs. double winged door, made of anodized aluminium, is mounted, with a blind plate in the lower half part, and thermo glass of low energy type in the upper half part, with an area on 60% of the doors.

Surface treatment:

After welding together the chassis, the chassis is sandblast and Painted with primer before it is finally varnished in the required colours. The coachwork is varnished on the outer sides and ends in the required light colour.
Further as TR-0047ED.