

# CF&S

The Art of Logistics

## PRIVATE ROLLING STOCK





## Specialized boxcar / model 11-7038



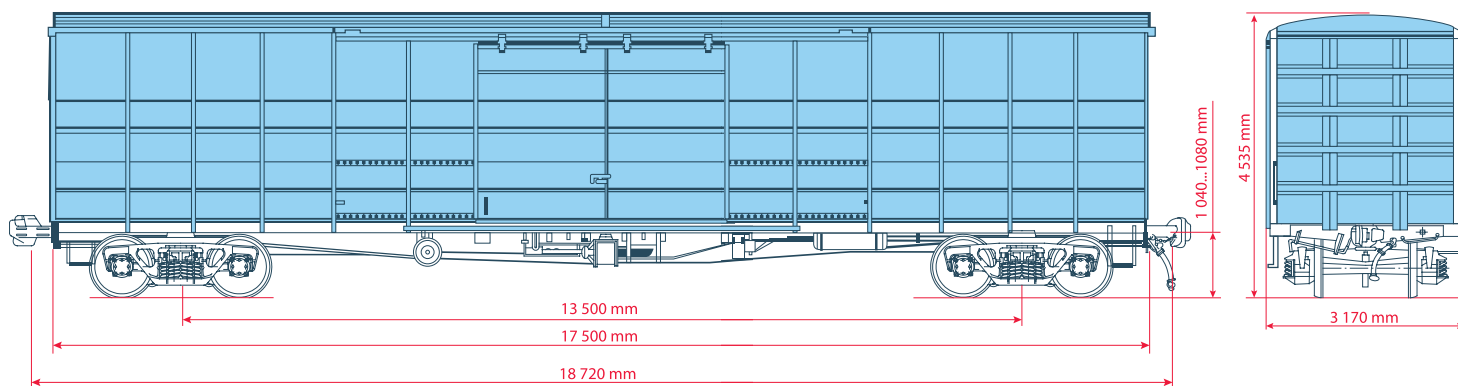
The boxcar model 11-7038 is more practical for transportation of light and volumetrical goods. Its capaciousness takes up to 25% more volume than the standard wagon.

The boxcar is intended for transportation of goods which require protection from atmospheric precipitation within the railway net of Ukraine, the CIS and Baltic states.

### Transportation of:

- piece goods
- packaged/palletized goods
- motor cars and minibuses with the height not expanding 2,7m

loading capacity, t	68
overall body volume, m <sup>3</sup>	161,6
effective body volume, m <sup>3</sup>	150,0
tare weight, t	25,0
calculated load from wheel set on rail, kN(tf)	230,3 (23,5)
length between wheel axels, mm	13 500
length between axels of automatic coupling, mm	18 720
external dimensions by GOST 9238-83	1-T
coupling axis height from rail level, mm	1060±20
internal dimensions, mm	
- length	17 492
- width	2 790
- height	3 106
floor square, m <sup>2</sup>	48,8
side door dimension, mm	3 900 x 2 862



## Specialized boxcar / model 11-2135-01

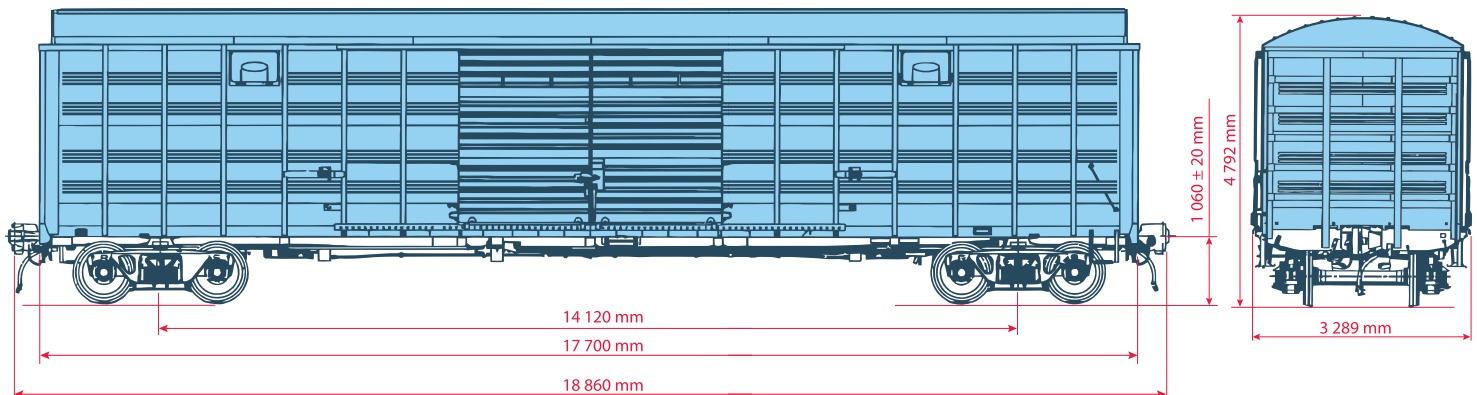


The boxcar model 11-2135-01 is a 4-axle covered boxcar with widened doorways and increased body volume (without internal body sheathing). The model is designed to ensure the safety of cargo in adverse weather conditions, protection against theft and mechanical damage.

### Transportation of:

- piece goods
- packaged goods
- grains
- other goods requiring protection against precipitation

loading capacity, t	67
overall body volume, m <sup>3</sup>	161,0
tare weight, t	27,0
calculated load from wheel set on rail, kN(tf)	230,5 (23,5)
length between wheel axels, mm	14 120
length between axels of automatic coupling, mm	18 860
internal dimensions, mm	
- length	17 687
- width	2 778
- height	3 393
floor square, m <sup>2</sup>	49,3
side door dimension, mm	4 150 x 2 769



## Special 80' (length 24 m) rail platforms with wooden floor / model 23-469-07



### Transportation of:

- ISO containers
- long-length cargo
- wheeled/caterpillar and other machinery

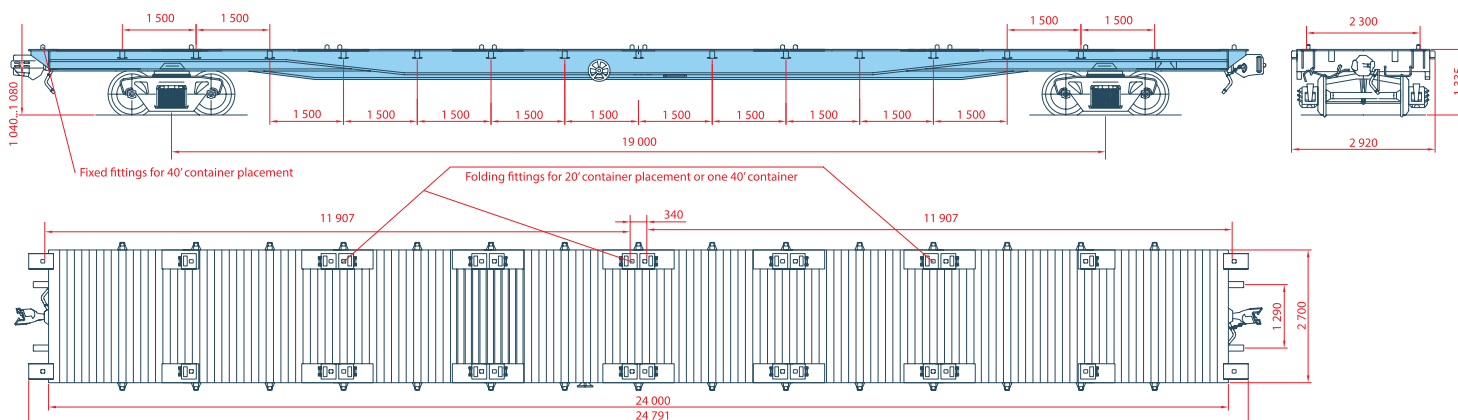
### Platforms are specially equipped with:

- wooden floor
- 30 fixing points on sides
- 4 end holders on sides

### Loading of containers on the platform:

- up to two 40' containers
- from one to three 20' containers

loading capacity, t	69
loading capacity for 2 x 40' cntrs., t	62
loading capacity for 2 x 20' cntrs., t	48
tare weight, t	25
external dimensions by GOST 9238-83	1-T
length between wheel axels, mm	19 000
length between axels of automatic coupling, mm	25 220
length between ending beams, mm	24 000
length between ending points, mm	24 791
width max, mm	2 700
height from rail track to floor level, mm	1 335
quantity of fixed fittings for cntrs, pcs	4
quantity of folding fittings for cntrs, pcs	28





# Special 60' (length 18,4 m) rail platforms with wooden floor / model 13-935A-04



## Transportation of:

- ISO containers
- long-length cargo
- wheeled/caterpillar and other machinery

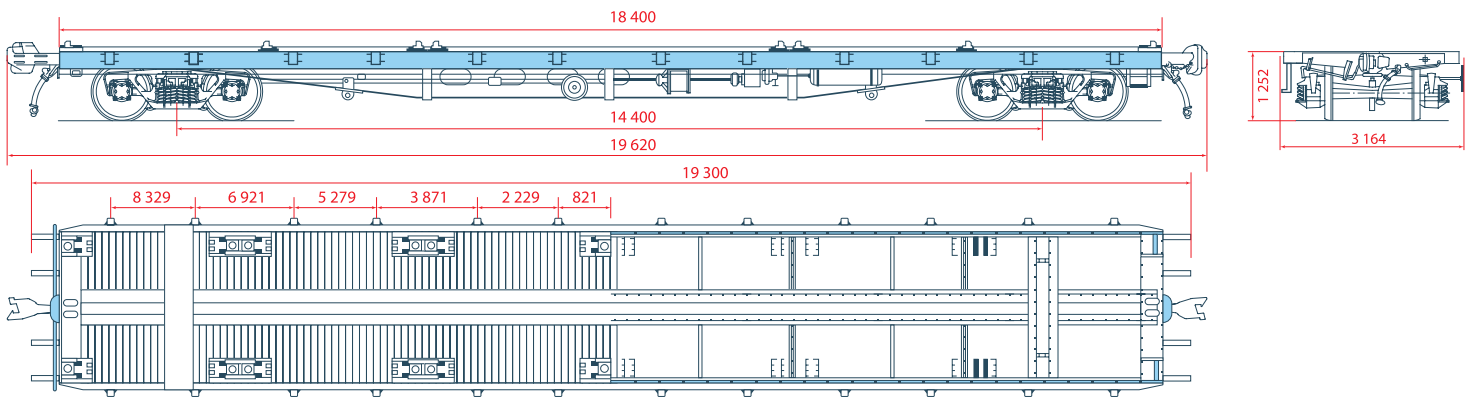
## Platforms are specially equipped with:

- wooden floor
- 24 fixing points on sides (12 on each side)
- 4 end holders on sides

## Loading of containers on the platform:

- up to two 40' containers
- from two to three 20' containers

loading capacity, t	69
number of fixing points, pcs	24
tare weight, t	25
length between wheel axels, mm	14 400
length between axels of automatic coupling, mm	19 620
length between ending beams, mm	18 400
static axle load, kN(kgF)	230,3 (23,5)
linear load kN/m(kgF/m)	46,95 (4,79)
width max, mm	3 164
height from rail track till floor level, mm	1 252
quantity of folding fittings for cntrs, pcs	24



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