

## Gondola with unloading hatches, model 12-9853



### Description

This freight car is the first serial modification of the universal gondola car in the holding product line since the official launch of Tikhvin Freight Car Building Plant production. Increased up to 92 m<sup>3</sup> body space of the new generation car of model 12-9853 provides for the transportation of freight of a wide range of density utilizing car full payload capacity. In one trip this car transports up to 10% more freight compared to a standard type car.

Considerable competitive advantage of the freight car are increased terms of between-repairs run which provide for the reduction of its life cycle costs by almost 3 times. The gondola car is completely compatible with the existing infrastructure and can be operated at all types of loading-unloading terminals.

Designed by: All-Union Research and Development Centre for Transportation Technology, LLC.

Producer: Tikhvin Freight Car Building Plant, JSC.





## Specifications

Technical specification	Model 12-9853
Payload capacity, t	75
Body space, m <sup>3</sup>	92
Tare weight, t	24,5±0,5
Length over coupler pulling faces, mm	13,920±25
Wheel base, mm	8,650
Body internal dimensions (L × W × H), mm	13,025 × 2,946 × 2,398
Number of unloading hatches, pcs	14
Gabarit as per GOST 9238-83: body	1-BM
Gabarit as per GOST 9238-83: bogie	02-BM
Bogie model	18-9855
Estimated static load from the wheel set on rails, kN (tf)	245 (25)
Service life, years	32
Regulatory overhaul period, up to mln km (years)*	1 (8)**

\* If the railcar is operated under the combined mode, the scheduled current uncoupling repair (TR-3) is required as soon as the railcar hits 600 thousand kilometers mileage after its construction or previous depot repair/overhaul (before the requirement for the scheduled repair in terms of calendar duration has been expired).

\*\* To be specified after test operation.