



# 中国中车太原机车车辆有限公司

CRRC TAIYUAN CO., LTD



中国中车太原机车车辆有限公司  
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### 主要性能特点 Main performance

25t轴重不锈钢加盖石灰漏斗车是用于装运成品石灰、矿石、煤炭等散粒货物。该车增加了能防雨的活动圆顶罩及开闭机构，适用于依靠高架料仓装货。而且，地面设有受料坑传输装置的供两侧同时卸货，容量足够的卸货沟或高栈台，可风动快速卸车，也可手动卸车。



25t Axle-Load Stainless Steel Covered Lime Hopper Wagon is used for transporting bulk goods similar to lime, ore and coal which adds Water-resistant moving arc roof and opening-closing mechanism and suitable for loading by overhead stock bin. Besides, there is unloading ditch or high platform equipped with receiving pit transmission mechanism on earth, which can unload enough goods from both sides simultaneously. It can unload by pneumatic and manual.

### 主要技术参数 Main technical parameters

载重	Loading capacity	74 t
自重	Tare weight	26 t
轴重	Axle load	25 t
总容积	Volume	82
有效容积	Effective capacity	76 m <sup>3</sup>
总长	Overall length	14400mm
总宽	Overall width	3200mm
总高	Overall height	4230 mm
车顶盖开闭方式	Roof opening and closing mode	风动Pneumatic
商业运营速度	Commercial running speed	120 km/h
通过最小曲线半径	Minimum radius of curvature negotiated	145 m



### 主要性能特点 Main performance

K18AK型煤炭漏斗车是用于装运煤炭、矿石等散装货物，可满足固定编组、循环使用、定点装卸、大量转运的电站、港口、选煤、钢铁等企业运用。该车具有风动、手动两套卸车机构。

K18AK coal hopper wagon is suitable for the shipment of coal, ore and other bulk goods, to meet the requirement of fixed grouping, recycling, designated loading and unloading, a large number of transit stations, ports, coal preparation, steel and other businesses. It can unload by pneumatic and manual.

### 主要技术参数 Main technical parameters

载重	Loading capacity	60 t
自重	Tare weight	24 t
容积	Volume	65 m <sup>3</sup>
轴重	Axle load	21 t
总长	Overall length	14738 mm
总宽	Overall width	3240mm
总高	Overall height	3570 mm
商业运行速度	Commercial running speed	120 km/h
通过最小曲线半径	Minimum radius of curvature negotiated	145 m



主要性能特点 Main performance

K14K型铁矿石漏斗车是供装运铁矿石的专用漏斗车。该车采用了多项新技术。新结构，漏斗底门具有良好的密封性能，底门开闭机构安全可靠，防盜性能良好。

K14K iron ore hopper wagon is a special hopper wagon for shipments of iron ore. Many new techniques and new structure have been applied to this wagon. The bottom door of hopper has good sealing performance, safe and reliable opening-closing mechanism and good performance of anti-theft.

主要技术参数 Main technical parameters

载重	Loading capacity	60 t
自重	Tare weight	22 t
轴重	Axle load	21 t
容积	Volume	25 m <sup>3</sup>
总长	Overall length	13138 mm
总宽	Overall width	3170mm
总高	Overall height	3171 mm
商业运营速度	Commercial running speed	120 km/h
通过最小曲线半径	Minimum radius of curvature negotiated	145 m

主要性能特点 Main performance

C80B型不锈钢运煤专用敞车主要用于专用铁路运输煤炭。该车采用新型冷弯型优化断面结构，减轻自重，载重达80t，适应2万吨列车编组运输要求。除能满足自动化装车设备和装载机装载外，还能适应翻车机等机械化卸车作业，并可实现不摘钩连续卸车。



C80B stainless steel coal open-top wagon is mainly used for transporting coal on special railway. New type cold bend section steel is adopted to optimize section structure to reduce weight. Loading capacity of this wagon is 80t and is suitable for 20000t freight formation. It is suitable for loading and unloading by automatic loading equipment, loaders and wagon tippers, also tipping in a row without uncoupling.

载重	Loading capacity	80 t
自重	Tare weight	≤20 <sup>150</sup> t
轴重	Axle load	25 t
容积	Volume	84.8 m <sup>3</sup>
总长	Overall length	12000 mm
总宽	Overall width	3284mm
总高	Overall height	3767 mm
商业运营速度	Commercial running speed	100 km/h
通过最小曲线半径	Minimum curve radius	145 m

主要技术参数 Main technical parameters

主要性能特点 Main performance

GCY450B型内燃调车机车主要用于地铁或城市轨道交通列车的调车及救援工作，具有牵引功率大、运行稳定性好、造型美观、维护方便、司乘条件好、安全防护设施齐全等特点，还特别适合北方冬季接触网线路刮冰作业。



GCY450B diesel shunting locomotive is mainly used for shunting operation and rescue job of metro or urban railway train. It shares the characteristics of large tractive power, good running stability, attractive appearance, easy manipulation and maintenance, good driving condition and well-equipped safeguards. It especially goes well with the ice scraping job of catenary line in the North winter.

车轮直径	Wheel diameter	840mm
车钩中心距轨面	Distance from coupler center to rail surface	880±10mm
整车整备重量	Service weight	52t
发动机功率/转速	Engine power/rotate speed	444kW/2100rpm
最高速度	Max. speed	80km/h
传动方式	Transmission mode	液力—机械传动hydraulic mechanical drive
轴列式	Axle arrangement	B—B
制动方式	Brake mode	空气制动+驻车制动
		Air brake + parking brake
司机台数	Number of cabs	2
最小通过曲线半径	Min. radius of curvature negotiable	100m
排障器距轨面高度	Distance from rail guard to rail surface	90—120mm
紧急制动距离	Emergency braking distance	≤150m(单机、平直道50km/h) (single、straight line 50km/h)
车钩	Coupler	13号上作用车钩+ST缓冲器
		No.13 top operation coupler bumper + ST draft gear
外形尺寸	Overall dimension	15000×2660×3800 (mm)

主要性能特点 Main performance

TY2型接触网作业车适用于电气化铁路接触网的施工、检修、架线作业，可作为牵引车使用。

TY2 catenary vehicle is suitable for the catenary construction, inspection and repair, and installation. It can also serve as a tow car.



主要技术参数 Main technical parameters

外形尺寸(mm)	Dimension(mm)	11185×2800×4750
轴式	Axle arrangement	B
轴数	Axle number	2
轨距(mm)	Track gauge(mm)	1435
车钩中心线高度(mm)	Height from top of rail to coupler center(mm)	880±10
牵引装置	Draft gear	13号车钩、两前带缓冲器
		13 type coupler, buffers on both
车轮直径(mm)	Wheel diameter(mm)	915
通过最小曲线半径(m)	Min. radius of curvature negotiated(m)	100
最大运行速度(km/h)	Max. Speed(km/h)	100
作业速度(km/h)	Working speed (km/h)	0—15
传动方式	Transmission mode	Hydraulic-mechanical transmission液—机传动
发动机功率(KW)	Rating power of engine(KW)	175/206/224

■ TY5YD型接触网作业车

用于地铁或轻轨电气化铁路接触网上部设备在停电状态下的安装、维修及日常检查。本车为四轴液力机械传动作业车，采用日本NICO公司的TDCN-33-1002P液力机械变速箱和潍柴的WP10.290型电喷水冷却柴油机，走行部采用两台二轴转向架，本车外形符合GB146.1-83标准轨距铁路机车车辆限界和CJ96-2003地铁限界标准的要求。



■ The TY5YD catenary vehicle is used for the installation, maintenance and daily check of the metro or light rail electrified railways catenary upper part equipments when power is cut off. The car is four-axle hydraulic transmission vehicle which adopts the model TDCN-33-1002P hydraulic transmission box made by NICO Company, Japan; and model WP10.290 electronic injection water cooling diesel engine by Weichai Power Co., Ltd. The running gear adopts two double-axle bogies; the car configuration is in accordance with the requirements of GB146.1-83 standard gauge locomotive and rolling stock delimitation, and CJ96-2003 metro delimitation standard.

■ 轮径	Wheel diameter	840mm
轴列式	Axle arrangement	1A-A1
轴距	Wheel base	2000mm
轴重	Axle load	9t
通过最小曲线半径	Min. radius of curvature negotiable	80m (10km/h)
发动机功率	Engine power	290hp
最大运行速度	Max. running speed	85km/h
传动方式	Transmission mode	液力机械传动 hydraulic mechanical transmission
制动方式	Brake mode	JZ-7 空气制动及手制动 JZ-7 air brake and hand brake
单机紧急制动距离	Single vehicle emergency braking distance	
<400m(单机平直道, 制动初速80km/h)		
<400m(single vehicle, flat track, brake initial speed 80km/h)		
钩缓装置	Coupler and draft gear	13B车钩及缓冲器 No.13B coupler and draft gear
外形尺寸	Overall dimension	13785 × 2600 × 3760 mm

■ TY4B型张力放线车

用于电气化铁路的接触网导线和承力索张力放线。可同时或单独进行接触网导线和承力索放线。本车适用于铁路施工、维修单位使用，可缩短施工的时间占用时间和接触网的停电时间。具有操作简单、性能可靠、维修方便、人员培训快的优点。



■ The Model TY4B Invariable Tensile Force Unrolling Wagon for Overhead Lines is used to unroll the contact wire and messenger cable of the electrified railway lines. It is possible to unroll the contact wire and the messenger cable simultaneously or independently. This wagon is suitable for the railway construction and maintenance and can reduce section occupied time and time for catenary power failure. The wagon has the characteristics of simple operation, reliable performance, convenient maintenance, and quickly staff training.

■ 外形尺寸(mm)	External dimension(mm)	13000 × 3000 × 3986
车轮直径(mm)	Diameter of the wheel(mm)	840
转向架型号	Model of the bogie	转K2
车钩型号	Model of the coupler	No. 13 top operation coupler and ST buffer 13号上作用车钩ST缓冲器
最大运行速度	Max. running speed	120km/h
通过最小曲线半径	Min. radius of curvature negotiated	145m
限界	Delimitation	In accordance with GB146.1 "Delimitation for Standard Track Gauge Locomotive and Rolling-stock" 符合GB146.183 (标准轨距铁路机车车辆限界)
自重(kg)	Tare weight(kg)	23000
张力范围(KN)	Tensile force range(KN)	6.5-16
张力精度	Tensile tolerance	± 5%
放线最大速度(km/h)	Max. unrolling speed (km/h)	≤ 10
线盘数量	Number of the reel	2-4盘
允许最大线盘重量(kg)	Reel mass(kg)	≤ 3600
使用线盘轴孔直径(mm)	Reel shaft aperture(mm)	80 ± 0.5
线盘最小直径(mm)	Min. diameter of the reel(mm)	1000
线盘最大直径(mm)	Max. diameter of the reel(mm)	2600
线盘最大宽度(mm)	Max. width of the reel(mm)	≤ 1200
适用接触线的型号(mm <sup>2</sup> )	Suitable contact wire mode l (mm <sup>2</sup> )	≤ 150
适用承力索的型号(mm <sup>2</sup> )	Suitable messenger cable model(mm <sup>2</sup> )	≤ 150

■ 隧道清洗车

由牵引车牵引进入地铁线路内轨道及隧道壁等设备的冲洗。隧道清洗车由主车架、转向架、制动系统、钩缓装置、柴油发电机、水箱、高低压水泵单元、轨道清洗装置、隧道清洗装置和水管路等组成。



■ The tunnel cleaning vehicle is dragged by tractor to clean the inner rail of metro line and tunnel cliff and equipment. The tunnel cleaning wagon consists of frame, bogie, brake system, coupler and draft gear, diesel generator, water tank, high and low voltage water pump unit, rail cleaning device, tunnel cleaning device and water pipes.

■ 轴重(整备状态)	Axle load(service state)	≤ 14t
运行速度	Running speed	80km/h
车辆定距	Length between bogie centers	9000mm
转向架固定轴距	Bogie fixed wheel base	1750mm
车轮	Wheel	采用直径为φ840mm的整体碾钢车轮 adopt the φ840mm monoblock rolled steel wheel
最小通过曲线半径	Min. radius of curvature negotiable	100m
水箱有效容量	Water tank effective volume	28m <sup>3</sup> (清洗水 25m <sup>3</sup> , 清洗剂 3m <sup>3</sup> ) (cleaning water 25m <sup>3</sup> , cleaning agent 3m <sup>3</sup> )
制动方式	Brake mode	空气制动及停放制动 Air brake and parking brake
制动管标准压力	Brake pipe normal pressure	500kPa
钩缓装置	Coupler and draft gear	13B上作用式车钩及MT-3缓冲器, 锻造尾框 top operation coupler buffer, forging trail frame
车钩中心线距轨面高度	Distances between coupler centre and rail surface	880mm ± 10mm
地板表面距轨面高度	Distance between floor surface and rail surface	1100mm
底架尺寸	Underframe dimension	14500mm × 2750mm
整车尺寸	Overall dimension	15430mm × 2750mm × 4160mm

■ 主要性能特点 Main performance

TY4DP型轨道平台车为非动力作业车，该车与接触网作业车可以组成车组，共同完成接触网的日常维护和调整工作。该车设有长达8000mm的固定平台和回转升降平台，为工作人员提供了较大的工作空间。

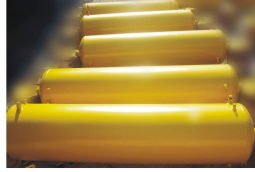
TY4DP track platform vehicle is non-power operation vehicle. The vehicle and catenary work vehicle can be composed of EMU, together to complete catenary routine maintenance and adjustments. The vehicle has a 8000mm long fixed platform and rotary lifting platform to provide a large working space.

■ 主要技术参数 Main technical parameters

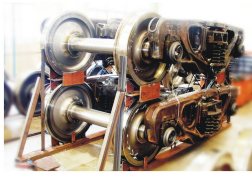
转向架轴距	Wheel base	1750mm
底架长度	Length of underframe	15500mm
轮径	Wheel diameter	840 mm
通过最小曲线半径	Min. radius of curvature negotiable	100 m
构造速度	Structure speed	120 km/h
制动方式	Brake mode	空气制动及停车手制动
车钩型式	Coupler	13B车钩及缓冲器 13B coupler and draft gear
中心线高度(距轨面)	Distances between coupler centre and rail surface	880 ± 10 mm
重量	Tare weight	≈ 23 t
外形尺寸	Overall dimension	≈ 16500 × 2500 × 3600 mm

铁路车辆配件 RAILWAY WAGON ACCESSORIES

140升储风缸  
140 air reservoir



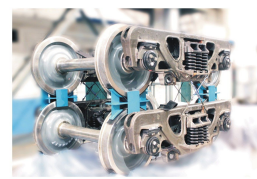
21吨轴重窄轨转向架  
Narrow Gauge Bogie  
with 21t Axle Load



轮轴  
Wheel Sets complete  
with Class E Wheel Bearing

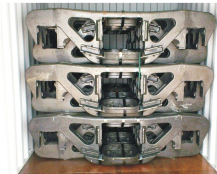
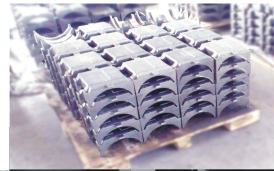


25吨轴重准轨转向架  
Standard Gauge Bogie  
with 25t Axle Load



铁路车辆配件 RAILWAY WAGON ACCESSORIES

其他配件 Other accessories





**主要性能特点 Main performance**

KM70型煤炭漏斗车适用于装运煤炭、矿石等散装货物，可满足固定编组、循环使用、定点装卸、大量转运的电站、港口、选煤、钢铁等企业运用。该车具有风动、手动两套卸车机构。

KM70 coal hopper wagon is suitable for the shipment of coal, ore and other bulk goods, to meet the requirement of fixed grouping, recycling, designated loading and unloading, a large number of transit stations, ports, coal preparation, steel and other businesses. It can unload by pneumatic and manual.

**主要技术参数 Main technical parameters**

载重	Loading capacity	70 t
自重	Tare weight	≤23.8 t
轴重	Axle load	23 t
容积	Volume	75 m <sup>3</sup>
总长	Overall length	14400 mm
总宽	Overall width	3200mm
总高	Overall height	3780mm
商业运营速度	Commercial running speed	120km/h
通过最小曲线半径	Minimum radius of curvature negotiated	145 m



**主要性能特点 Main performance**

U70型水泥罐车是装运散装水泥的专用车辆。装卸方式为上装下卸。可与现有用户地面设施相配套。采用气力输送方式，利用压缩空气将水泥流化后经卸料管输送到远距料塔。

U70 cement tank wagon is a special wagon for transporting bulk cement. The loading type is up loading and bottom unloading. The wagon can match with existing ground facilities and compress cement to fluidization then send to accumulator tower

**主要技术参数 Main technical parameters**

载重	Loading capacity	69t
自重	Tare weight	≤24.6t
轴重	Axle load	23t
装载容积	Volume	58.3m <sup>3</sup>
罐体工作压力	Tank working press	0.35MPa
车辆长度	Overall length	12016 mm
车辆最大宽度	Overall width	3020mm
车辆最大高度	Overall height	4493mm
罐体外长×内	Tank internal length × internal diameter	11260mm × 3000mm
商业运营速度	Running speed	120km/h
通过最小曲线半径	Min. radius of curvature negotiated	145mm
卸料速度	Unloading speed	1.5 ~ 2t/min
输送距离	Conveying distance	水平 level: 150m 垂直 vertical: 30m
残存量	The residual amount	≤0.3%

**公司简介 COMPANY PROFILE**

中国中车太原机车车辆有限公司始建于1898年，现已落户太原铁路装备工业园区，占地面积为1.13 km<sup>2</sup>，员工4000人。目前，公司电力机车厂修能力达500台。各类铁路车辆产品能满足客户不同轨距、载重、速度的要求。铁路货车新造和检修年产能分别为5000辆和8000辆，工程作业车已形成一系列产品，年产能达到500台。另外，我公司还生产各类铁路配件。

公司产品出口到澳大利亚、乌克兰、埃塞俄比亚、莫桑比克、阿根廷、缅甸、印尼、马来西亚、利比亚、沙特等国家。

公司先后通过了ISO9001质量管理体系、ISO1002-1计量检测体系、ISO14001环境管理体系和OHSMS职业健康安全管理体系认证，引进了EN15085焊接体系、IRIS世界铁路行业标准、RAMS管理体系等。

公司秉承“接轨世界、牵引未来”的使命，以“今天的质量就是明天的市场，用户的满意就是我们的目标”为宗旨，竭诚为客户提供最优质的产品和服务。

The company was founded in 1898. It covers an area about 1.13 km<sup>2</sup> with 4,000 employees. The company has an annual maintenance capacity of 500 sets of electric locomotives. The various railway vehicle products can meet the user's requirements of different gauge, load levels and speed grades. The main wagon business scope includes design and manufacture of gondola wagon, ballast hopper wagon, coal hopper wagon, flat wagon, tank wagon, automatic dumping wagon, grain hopper wagon, container flat wagon etc., with an annual production capacity of 5,000 new vehicles, and an annual maintenance capacity of 8,000 vehicles. Engineering vehicles mainly include catenary working vehicles, constant-tension cable unrolling vehicle, heavy rail cars, traction diesel locomotives for mining, tunnel tractors, inspection vehicles, washing vehicles, railway crane trucks and other railway engineering maintenance products, with an annual

production capacity of 500 sets. In addition, the company also manufactures a variety of rail vehicle accessories, castings (steel, iron, copper and aluminum), forgings, welding parts, machining parts etc.

The products have been exported to Australia, Ukraine, Ethiopia, Mozambique, Argentina, Myanmar, Indonesia, Malaysia, Libya, Saudi Arabia etc.

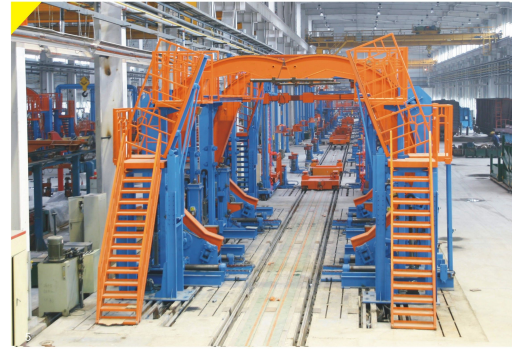
The company has got following certificate: ISO9001 quality system, ISO1002-1 metrology testing system, ISO14001 environment management system, OHSMS occupation health safety management system, EN15085 welding system, IRIS world railway industrial standard and RAMS management system.

The company inherits "Join the world and drawing the future" as our mission, and "Today's quality will be the market of tomorrow" as objective, to off the top-quality product and service for customers wholeheartedly.





- 1. 轮轴生产线  
Axle production line
- 2. 漏斗车车体组装装置  
Assembly device of hopper wagon car body
- 3. 车轴生产线  
Axle production line
- 4. 数控下料生产线  
CNC cutting material production line
- 5. 漏斗车生产线  
Hopper wagon production line
- 6. 1250吨压力机  
1250T press
- 7. 车体油漆线  
Painting line of carbody



工程车生产线  
Engineering vehicle production line





#### 主要性能特点 Main performance

KF60AK型自翻车是卸车设备与车辆结构结合在一起的专用车辆，适用于铁路上运输矿石、剥离岩石、砂砾、煤块、建筑材料等散粒货物。该车有可倾翻的车箱及下开式的侧门，具有倾翻平稳，卸货迅速，操作简便，运输效率高等特点。

#### 主要技术参数 Main technical parameters

载重	Loading capacity	60 t
自重	Tare weight	≤ 33.8 t
轴重	Axle load	25t
容积	Volume	29 m <sup>3</sup>
总长	Overall length	13656 mm
总宽	Overall width	3229mm
总高	Overall height	2487 mm
车箱最大倾翻角度	Max. overturn angle of the carriage	45°
倾翻缸工作压力	Working pressure of overturn cylinder	0.49 MPa
商业运营速度	Commercial operating speed	120 km/h
通过最小曲线半径	Minimum radius of curvature negotiated	145 m

#### 主要性能特点 Main performance

GF70型氧化铝铝粉罐车是装运氧化铝铝粉或其他类似粉状物料专用铁路车辆。该车的工作方式为上装上部，可与现有用户地面设施相配套，通过压缩空气将粉状物料流态化，然后经加料管输送到远距离的料筒。维修及操作人员能进入罐内检修和清扫。



GF70 aluminum powder oxide tank wagon is a kind of special railway wagon, which is used for transporting powder goods similar to aluminum powder oxide. The wagon can match with existing ground facilities with up loading and unloading type, and it compress powder to fluidization then send to accumulator tower by discharge pipeline. Maintenance worker and operator may enter the internal tank maintenance and clean.

#### 主要技术参数 Main technical parameters

载重	Loading capacity	70 t
自重	Tare weight	≤ 23.6 t
轴重	Axle load	23t
容积	Volume	76 m <sup>3</sup>
总长	Overall length	12856 mm
总宽	Overall width	3020mm
总高	Overall height	4511 mm
罐体工作压力	Tank working pressure	0.4 MPa
卸料速度	Unloading speed	1.5 ~ 2 t/min
输送距离	Transmission distance	
	水平 Level	150 m
	垂直 Vertical	30 m
残存量	Residual capacity	≤ 0.2%
通过最小曲线半径	Minimum radius of curvature negotiated	145 m
商业运营速度	Commercial running speed	120 km/h



#### 主要性能特点 Main performance

L70型粮食漏斗车用于装运小麦、玉米和大豆等散粒粮食。车体采用全钢焊接整体承载结构，屈服强度为450MPa，使用高强度耐大气腐蚀钢。

L70 grain hopper wagon is used for transporting wheat, corn, bean and other grain cargo. The body of wagon is all steel welded structure with complete structure bearing load, and material is high strength weather resistance steel with yield strength of 450Mpa.

#### 主要技术参数 Main technical parameters

载重	Loading capacity	69 t
自重	Tare weight	≤ 24.8 t
轴重	Axle load	23t
容积	Volume	98 m <sup>3</sup>
总长	Overall length	16466 mm
总宽	Overall width	3344mm
总高	Overall height	4195 mm
商业运营速度	Commercial running speed	120 km/h
通过最小曲线半径	Minimum radius of curvature negotiated	145 m



#### 主要性能特点 Main performance

GQ70型轻油罐车是70吨级铁路罐车的代表产品，用于汽油、煤油、柴油等轻油类介质，装卸方式为上装上部。

GQ70 light oil tank wagon is a representative of 70t railway tank wagon which is used for transporting gasoline, kerosene, light diesel oil and other light oil by means of top loading and unloading.

#### 主要技术参数 Main technical parameters

载重	Loading capacity	70 t
自重	Tare weight	≤ 23.6 t
轴重	Axle load	23t
罐体总容积	Total volume	80.3m <sup>3</sup>
罐体有效容积	Effective volume	78.7m <sup>3</sup>
总长	Overall length	12216 mm
总宽	Overall width	3320mm
总高	Overall height	4494 mm
商业运营速度	Commercial running speed	120 km/h
通过最小曲线半径	Minimum radius of curvature negotiated	145 m



■ 主要性能特点 Main performance

GN70型黏油罐车是70吨级大型油罐车，用于运输原油、润滑油、粘油类介质。该车容积大，载重大，能适应现有地面设施成列装卸，可节省大量改造资金。

GN70 viscous oil tank wagon is the main type of 70t tank wagons which is used to transport petroleum. The wagon has large volume and loading capacity. The wagon is applicable for the existing ground facilities and can be filled and decanted under train consists condition, which saves a lot of costs for reconstruction work.

■ 主要技术参数 Main technical parameters

载重	Loading capacity	70 t
自重	Tare weight	≤23.8 t
轴重	Axle load	23t
罐体总容积	Tottle volume	78.1m <sup>3</sup>
罐体有效容积	Effective volume	73.7m <sup>3</sup>
总长	Overall length	12216 mm
总宽	Overall width	3320mm
总高	Overall height	4466 mm
工作压力	Operating pressure	0.15mpa
商业运营速度	Commercial running speed	120 km/h
通过最小曲线半径	Minimum radius of curvature negotiated	145 m

■ 主要性能特点 Main performance

NKL型大吨位预制梁运输专用车组用于装运跨距32m、自重148t以下预制梁。该车组由三辆车组成，两端为NKL型大吨位预制梁运输专用车，中间车采用平车-集装箱两用平车。该车将货物转向架作为运输预制梁专用车的一部分直接固定在车体上，提高了预制梁的运输安全性和装卸效率，降低了预制梁的承运费，减小了运输时的超限范围，提高了运行速度。



NKL heavy duty precast beam wagon is used for transporting prefabricated bridges which span is less than 32m and weight less than 148t. The wagon group is composed of 3 wagons. The middle wagon of the group is flat wagon and both ends of the wagon are type NKL special wagon for heavy prefabricated bridge. As part of the special vehicle used for transporting of precast beam, the cargo-carrying adaptor is connected directly with the carbody. as a result the security and efficiency during the transportation of beam is improved, decreased the loading section area, minimized the ultralimit and the operating speed is increased.

■ 主要技术参数 Main technical parameters

载重	Loading capacity	148 t
自重	Tare weight	≤72 t
总长	Overall length	41862 mm
总宽	Overall width	3176 mm
预制梁装车截面距轨面高度（空车）	Height of loading surface for precast beam to top of rail(empty car)	1500mm
商业运营速度	Commercial operating speed	120 km/h
重车：	符合《铁路货物装载加固规则》和《铁路超限货物运输规则》要求	
Load car:	As per "The rules for reinforcement of loaded railway cargo And rules for transportation of railway untrallimit cargoes."	



■ 主要性能特点 Main performance

澳大利亚60英尺集装箱平车澳大利亚60英尺集装箱平车是装运国际标准集装箱的专用车，可以同时装运3个20英尺国际标准集装箱或1个20英尺和1个40英尺国际标准集装箱，也可单独装运1个40英尺或1个48英尺集装箱。

Australia 60 ft container flat wagon is used for shipping international standard container ,it can shipping three 20 ft international standard containers or one 20 ft and one 40 ft international standard container at the same time, also can separately shipping one 40 ft or one 48 ft container.

■ 主要技术参数 Main technical parameters

载重	Loading capacity	73 t
自重	Tare weight	≤19 t
轴重	Axle load	23t
总长	Overall length	19342 mm
总宽	Overall width	2730 mm
总高	Overall height	1490mm
商业运营速度	Commercial operating speed	110 km/h
通过最小曲线半径	Minimum radius of curvature negotiated	145m



■ 主要性能特点 Main performance

澳大利亚40英尺集装箱平车澳大利亚40英尺集装箱平车是装运国际标准集装箱的专用车，可以同时装运2个20英尺国际标准集装箱或1个40英尺国际标准集装箱。

Australia 60 ft container flat wagon is used for shipping international standard container ,it can shipping two 20 ft international standard containers or one 40 ft international standard container.

■ 主要技术参数 Main technical parameters

载重	Loading capacity	73 t
自重	Tare weight	≤19 t
轴重	Axle load	23t
总长	Overall length	13053 mm
总宽	Overall width	2730 mm
总高	Overall height	1490mm
商业运营速度	Commercial operating speed	110 km/h
通过最小曲线半径	Minimum radius of curvature negotiated	145m



主要性能特点 Main performance

NX70型共用平车不但可供装载符合ISO668:1995(系列1集装箱-分类、尺寸和额定重量)所规定的国际标准集装箱,还能够装载45ft、48ft和50ft国际非标准箱。同时可供装载钢材、汽车、拖拉机、成箱货物、大型混凝土桥梁及穿用装备等货物。

NX70 joint-use flat wagon can carry not only the containers of ISO standard containers as specified in ISO668:1995 "Series 1 freight containers-classification, dimensions and ratings" and the 45ft, 48ft and 50ft non-standard containers, but also steels, autos, tractors, packed boxes, concrete bridge beams and military facilities.

主要技术参数 Main technical parameters

载重	Loading capacity	70 t
自重	Tare weight	≤23.8 t
轴重	Axle load	23t
总长	Overall length	16366 mm
总宽	Overall width	3157 mm
总高	Overall height	1418mm
商业运营速度	Commercial operating speed	120 km/h
通过最小曲线半径	Minimum radius of curvature negotiated	145m



主要性能特点 Main performance

P70型通用棚车P70型通用棚车主要用于运输避免日晒、雨雪侵袭的包装、袋装及各种箱装货物,能适应叉车等机械化设备装卸作业。

P70 general purpose covered wagon is used for transporting package, bag and all kinds of cargo box goods which avoid the sun, the rain and the snow. It can load and unload by trucks and other mechanized equipment.

主要技术参数 Main technical parameters

载重	Loading capacity	70 t
自重	Tare weight	≤24.6 t
轴重	Axle load	23t
容积	Volume	145m <sup>3</sup>
总长	Overall length	17066 mm
总宽	Overall width	3300 mm
总高	Overall height	4770mm
商业运营速度	Commercial operating speed	120 km/h
通过最小曲线半径	Minimum radius of curvature negotiated	145m



主要性能特点 Main performance

C70E型敞车是用于装运煤炭、矿石、焦炭、木材、钢材、建筑材料、机械设备、成包件物品及集装箱等货物的通用敞车,它具有适应翻车机作业及重载列车运行要求的性能。

C70E open-top wagon is used for loading and transporting coal, ore, coke, timber, steel, construction materials, machinery equipment, packed goods, container and so on. It is suitable for operation of wagon tipper and application of heavy-duty train.

载重	Loading capacity	70 t
自重	Tare weight	24 t
轴重	Axle load	23 t
容积	Volume	80.9m <sup>3</sup>
总长	Overall length	13976 mm
总宽	Overall width	3180mm
总高	Overall height	243 mm
商业运营速度	Commercial running speed	120 km/h
通过最小曲线半径	Minimum radius of curvature negotiated	145 m

主要技术参数 Main technical parameters



主要性能特点 Main performance

C64K型敞车是用于装运煤炭、矿石、焦炭、木材、钢材、建筑材料、机械设备、成包件物品及集装箱等货物的通用敞车,它具有适应翻车机作业及重载列车运行要求的性能。

C64K open-top wagon is used for transporting coal, ore, coke, timber, steel, construction materials, machinery equipment, packed goods, container and so on. It is suitable for operation of wagon tipper and application of heavy-duty train.

主要技术参数 Main technical parameters

载重	Loading capacity	61 t
自重	Tare weight	23 t
轴重	Axle load	21 t
容积	Volume	73.3 m <sup>3</sup>
总长	Overall length	13438 mm
总宽	Overall width	3242mm
总高	Overall height	3139 mm
商业运营速度	Commercial running speed	120 km/h
通过最小曲线半径	Minimum radius of curvature negotiated	145 m



■ 主要性能特点 Main performance

KZ70型石砟漏斗车是供铁路新、旧线路铺设石砟或装运散粒货物之用，它具有风动、手动底开门装置，向轨道内侧和外侧均可卸砟。

The KZ70 ballast hopper wagon is used for paving ballast on new and old railway line, has pneumatic and manual hopper door equipment, can unload inside and outside of the track.

■ 主要技术参数 Main technical parameters

载重	Loading capacity	70 t
自重	Tare weight	≤23.8 t
轴重	Axle load	23 t
容积	Volume	42 m <sup>3</sup>
总长	Overall length	12074 mm
总宽	Overall width	3168mm
总高	Overall height	3726mm
商业运营速度	Commercial running speed	120 km/h
通过最小曲线半径	Minimum radius of curvature negotiated	145 m



■ 主要性能特点 Main performance

K13NK型石砟漏斗车是供铁路新、旧线路铺设石砟或装运散粒货物之用，它具有风动、手动底开门装置，向轨道内侧和外侧均可卸砟。

The K13NK ballast hopper wagon is used for paving ballast on new and old railway line, has pneumatic and manual hopper door equipment, can unload inside and outside of the track.

■ 主要技术参数 Main technical parameters

载重	Loading capacity	60 t
自重	Tare weight	≤23 t
轴重	Axle load	21 t
容积	Volume	36 m <sup>3</sup>
总长	Overall length	12046mm
总宽	Overall width	3170mm
总高	Overall height	3390mm
商业运营速度	Commercial running speed	120 km/h
通过最小曲线半径	Minimum radius of curvature negotiated	145 m