





陕保

企业简介

BRIEF INTRODUCTION

陕西保利特种车制造有限公司（简称陕西保利）是由中国保利国防技术研究中心与陕汽集团共同出资组建的，集科、工、贸一体化的创新型企业。主要从事军用特种车辆的研发、生产与销售；军用专用车辆改装、汽车零部件销售与服务；以及汽车生产线工程项目的设计、开发和建设。作为子公司，我们依托陕汽集团的研发和制造优势，业务范围涉及重型军用越野汽车、重型卡车、中轻型卡车、大中型客车、微型车、重微型车桥、康明斯发动机及其零部件的开发、生产和销售。我们提供的陕汽牌军车是行业内唯一参加过4次阅兵式的中、重型军用车辆，产品已出口欧洲、亚洲、非洲、南美洲及中东等80多个国家和地区，在哈萨克斯坦、埃塞俄比亚、马来西亚等国家实现了本地化生产，出口量位居同行业前茅。

我们研发的军用越野汽车有3.5吨、5吨、8吨、15吨、25/40吨和60吨共6个载重级别系列平台、482个品种型号，应用于各军兵种，占我军装备同类型车辆95%以上。

陕西保利借助国家“一带一路”战略发展机遇，本着“诚信、敬业、创新、价值”的发展理念，运用“共生”的文化体系以及保利集团的外贸渠道资源，推行国际化战略、品牌战略和资本运作战略，将企业建设为以轮式装甲车为核心的、多元化经营的国际化企业。

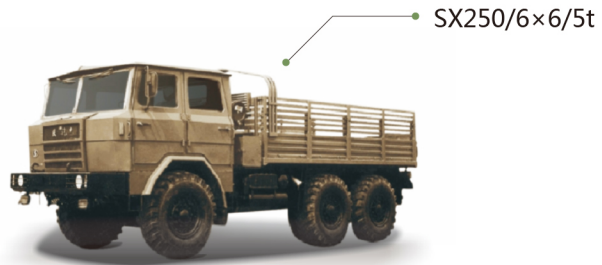
Shaanxi Poly Special Vehicle Manufacturing Co. Ltd (Short for Shaanxi Poly) is a corporation which belongs to Shaanxi Automobile Group Co., Ltd (Short for SAG) and Poly Defense Technology Research Center integrates with research, manufacturing and trade. We develop and produce heavy duty military off-road vehicle, heavy duty truck, medium & light duty truck, passenger car, axle, Commis engine and automobile parts, and we also automobile service trade and automobile finance. Military off-road vehicle which is produced by SAG is only vehicle that takes part in four times of military parade. SAG is only one manufacturing base for equipping military, and it is also first batch of export base. Shacman heavy duty truck export for Europe, Asia, Africa, South America and Middle East more than 80 countries. In Kazakhstan, Ethiopia, Malaysia and other countries to achieve a localization of production, export volume ranked the industry forefront.

SAG is developing military off-road vehicle all the time since it was founded in 1968. At now, we have many different tonnages of vehicle. It include 3.5 tons, 5 tons, 8 tons, 15 tons, 25/40 tons and 60 tons those six series which have 482 kinds of versions apply to military. Shacman military vehicles take the proportion more than 95% in same version military vehicle, and from now on SAG take lots of military research tasks during 40 years.

Shaanxi Poly takes an advantage of the opportunity named OBOR. Honesty, Dedicated, Innovation and Value are our ideas of development. Using the culture of Symbiosis and international trade resources that make Shaanxi Ploy international, branding and Corporate Financial and Capital Utilization. We will build an international corporation that be focus on wheel armored vehicle and diversified operation.

主要产品型谱 (基型车平台)

第1代车型



第1代改进型



第2代改进型



第2代车型



第3代车型



未来
品质成就
服务领先
德赢天下



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• SX2150K/KS系列 •

SX2150K SX2150KS SX2150KSD SX2153

第一代及其改进型车型——SX2150K/KS系列 (6×6/5t)

The first generation vehicle type and its modified type - SX2150K/KS series (6×6/5t)

SX2150K型军用越野汽车是我公司根据我军发展的要求，在原SX2150车的基础上，选装斯太尔发动机，优化匹配动力传动系统，采用新总成、新技术而研制的5吨级军用越野汽车。该车具有油耗低、操纵轻便、转向灵活、行驶稳定性好、机动性高、维修保养方便、可靠性高等特点，是适合于部队、石油、林业部门和野外作业部门选用的汽车。

SX2150KS是在SX2150K的基础上换装斯太尔驾驶室，低排放发动机，二级空滤器及增加副油箱，可选装常压自动充电装置，中央充放气，集中润滑系统等性能优良的总成及装备，同时也保留了SX2150K车的一些性能指标先进的总成，同样适合于部队、石油、林业部门和野外作业部门选用的汽车。

SX2150KSD型军用越野汽车是在SX2150KS的基础上，通过加长轴距至3525mm，将牵引钩直接安装于车架尾梁上，而研制的变型车。

SX2153型军用越野汽车二类底盘是在SX2150KS的基础上，加长轴距至3925mm，换装12胎以降低车架上平面离地高度而研制的变型车，该车型可改装成方舱车以及特殊作业装备，适合于部队、石油、林业部门和野外作业部门选用的汽车。

SX2150K vehicles are 5-ton military off-road vehicles, which are developed according to the demands of our army development and on the basis of the original SX2150 vehicle. They equip with Steyr engine, optimize matching powertrain system, and adopt new assembly and technology. The characteristics of the vehicles are: low fuel consumption, easy to operate and maintenance, flexible steering, good stability, high maneuverability and high reliability, etc. They are suitable for the army, oil, forestry department and field operation.

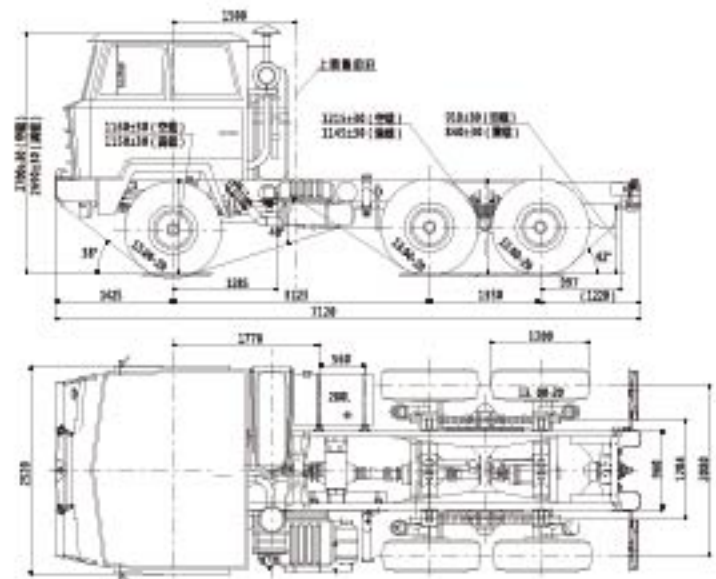
On the basis of SX2150K, SX2150KS equips with Steyr cab, low emission engine, secondary air filter and auxiliary tank. The users can select to assemble automatic constant pressure charger, central tyre inflation/deflation system, centralized lubrication system and other excellent assemblies and equipments on it. In addition, the SX2150KS retains some advanced assemblies. The vehicles are suitable for the army, oil, forestry department and field operation.

On the basis of SX2150KS, SX2150KSD military off-road vehicles lengthen the wheelbase to 3525 mm and install traction hook directly on the tail beam of frame.

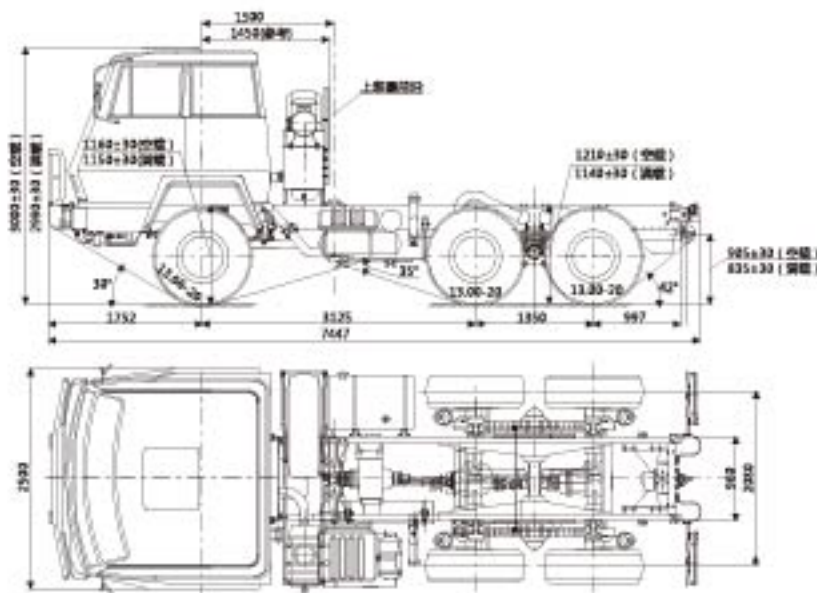
On the basis of SX2150KS, the category II chassis of SX2153 military off-road vehicles lengthen the wheelbase to 3925mm, and assemble with 12-tyre to reduce the ground clearance of upper surface of frame. The vehicles can be refitted to van-type vehicles and other special-purpose vehicles. They are suitable for the army, oil, forestry department and field operation.



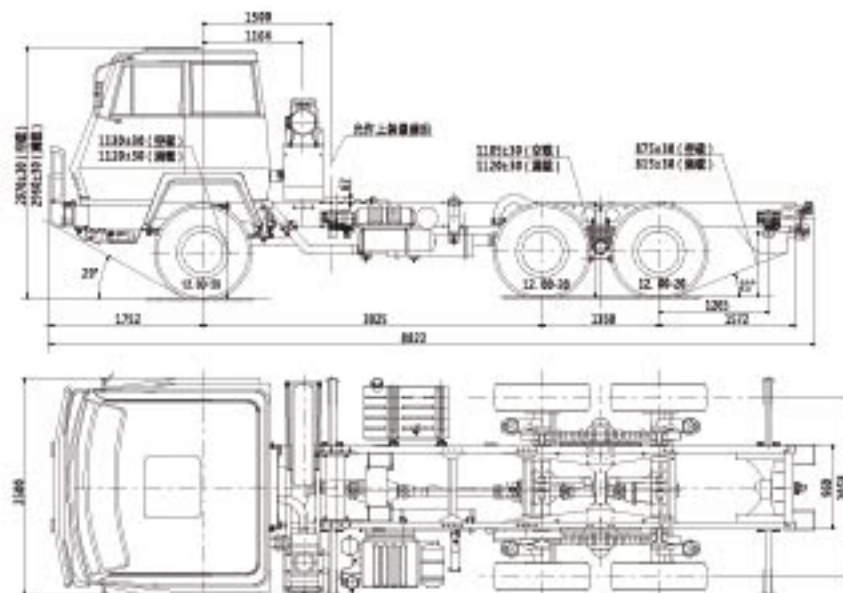
SX2150KSD实车图片



SX2150K二维简图



SX2150KS二维简图



SX2153二维简图



SX2150K

SX2153



第一代及其改进型车型——SX2150K/KS系列 (6×6/5t) The first generation vehicle type and its modified type - SX2150K/KS series (6×6/5t)		车型 Vehicle type			
		SX2150K	SX2150KS	SX2150KSD	SX2153
驱动型式 Drive type		6×6			
驾驶室类型 Cab type		延安驾驶室 Yan'an cab	斯太尔加长型驾驶室 Steyr extended cab		
驾驶室定员 Rated passenger capacity		4	5		
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	15500		15000	
	整备质量 (kg) Kerb mass	8700	8870	9100	9250
	越野装载质量 (kg) Off-road pay mass	6520	6285	6055	5405
	公路装载质量 (kg) Highway pay mass	----			
	越野牵引质量 (kg) Off-road tractive tonnage	6500			
尺寸参数 Dimension parameters	外形尺寸 (长×宽×高) (mm) (空载/满载) Overall dimensions (length×width×height) (mm) (no-load/full-load)	7120×2520× 2700±30/2690±30	7447×2500× 3000±30/2990±30	8302×2500× 3000±30/2990±30	8822×2500× 2970/2960±30
	轴距 (mm) Wheelbase	3125+1350	3125+1350	3525+1350	3925+1350
	最大允许上装使用纵梁长度 (mm) Maximum authorized mounted longitudinal beam length	3972	3972	4850	5347
	车架上表面离地高度 (mm) (空载/满载) Ground clearance of upper surface of frame (no-load/full-load)	1215±30/1145±30	1210±30/1140±30	1215±30/1140±30	1185±30/1120±30
性能参数 Performance parameters	最高车速 (km/h) Maximum speed	≤85		≤80	
	最大爬坡度 (%) Maximum gradability	≤60			
	最小离地间隙 (mm) Minimum ground clearance	≤335		≤295	
	接近角/离去角 (°) Approach angle/departure angle	≤38/≤42	≤32/≤42	≤32/≤33	≤29/≤21
	涉水深度 (mm) Forging depth	≤1200			≤1000
	最小转弯直径 (m) Minimum turning diameter	≥18	≥20		≥21
	额定工况下燃油消耗量 (L/100km) Fuel consumption under limited working condition	≥35			

发动机 Engine	燃油箱容积 (L) Fuel tank volume	280			
	型号 Model	WD615.71			
	额定功率/转速 (KW/r/min) Rated power/rotating speed	191/2600			
	最大扭矩/转速 (N·m/r/min) Maximum torque/rotating speed	830/1600~1700			
配置参数 Configuration parameters	离合器型式 Clutch type	Φ420mm 前置螺旋弹簧单片干式带扭转减震器 Φ420mm spiralspring monolithic dry torsional shock absorber			
	变速器型号 Transmission model	RT-11509C			
	分动器型号 Transfer case model	ZQC1200			
	驱动桥型式 Drive axle type	钢管插入式铸造桥壳驱动桥 Steel pipe plug-in casting axle housing drive axle			
	悬架 Suspension	钢板弹簧式悬架 Leaf spring suspension			
	转向器型式 Diverter type	整体循环球式液压动力转向器 Integral cyclic ball-type hydraulic power steering gear			
	制动装置型式 Brake device type	双回路气压制动 Dual-circuit air braking			
	车架 Frame	型式/宽度 (mm) Type/width	槽形直纵梁变截面车架结构/960 Grooved straight girder variable cross-section frame structure/960		
		纵梁断面尺寸 (mm) Cross dimensions of longitudinal beam	180/260×80×8	180/260×80×7	180/260×80×8
		轮胎 Tyre	13-20 越野花纹轮胎 13-20 Off-road pattern tyre		12.00-20 越野花纹轮胎 12.00-20 Off-road pattern tyre



• SX2110系列 •

SX2110 SX2110A SX2110C

第二代及其改进型车型——SX2110系列 (4×4/3.5t)

The second generation vehicle type and its modified type - SX2110series (4×4/3.5t)

SX2110型4×4军用越野汽车是我公司依据部队需求开发研制的新一代3.5吨中吨位越野汽车, 该车结合斯太尔系列及SX2150K系列的成熟总成, 采用欧II环保排放标准的WD415.21发动机、7DS90B变速器、ZQC800分动器, 形成了该车最佳的动力匹配。该车各大总成和零部件可与SX2150K、SX2190等车型通用, 为整车使用的可靠性提供了保证。SX2110型越野汽车动力强劲、油耗低、机动性好、转向灵活、可靠性高、乘坐舒适, 适用于通讯、指挥、后勤保障等车辆的选用, 同时可用作装甲车底盘。

SX2110A型军用越野汽车是为了满足二炮系统出口而开发的军用越野汽车, 该车是在SX2110的基础上, 加长轴距至4500mm的变型车, 该车适用于二炮出口装备轮式作业运输平台。

SX2110C型军用越野汽车二类底盘是在我军3.5吨级军用越野汽车SX2110二类底盘基础上安装斯太尔驱动桥、斯太尔四开门驾驶室而开发的车型。该车主要应用于装甲修理、清洗、保养平台, 并为各军兵种改装专用车辆提供基型底盘。

SX2110 4 x 4 vehicles are 3.5-ton military off-road vehicles, which are developed according to the demands of our army, equip with mature assemblies of Steyr series and SX2150K series, adopt optimal power system made up of Euro IIWD415.21 engine, 7DS90B transmission and ZQC800 transfer case. Its assemblies and components can be employed universally on SX2150K and SX2190 vehicles, which ensure the reliability of complete vehicle. SX2110 off-road vehicles have the characteristics of strong power, low fuel consumption, good maneuverability, flexible steering, high reliability and good comfort. The vehicles are suitable for communication, command and logistical support, and it also can be used for armored vehicle chassis.

SX2110A military off-road vehicles are developed to meet the export demand of 2nd Artillery Corps. On the basis of SX2110, the vehicles lengthen wheelbase to 4500mm. They are suitable for the wheeled export equipment transportation platform of 2nd Artillery Corps.

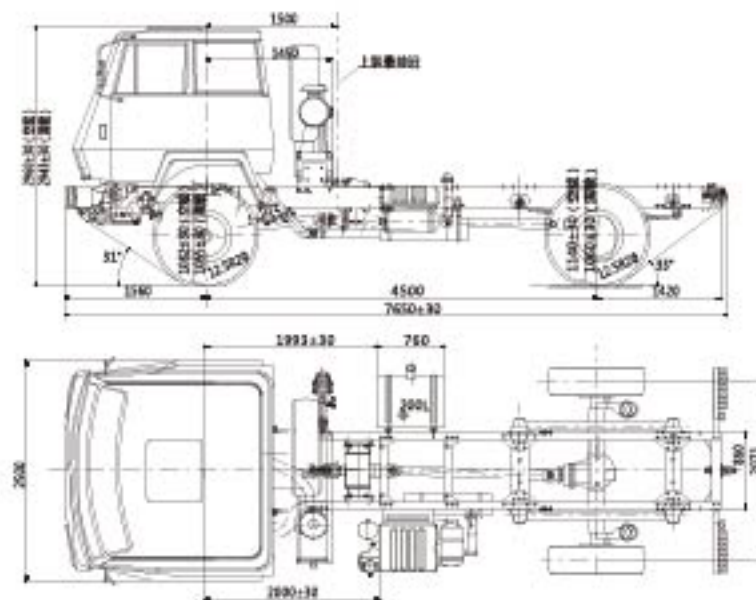
On the basis of the category II chassis of 3.5-ton SX2110 military off-road vehicle, the category II chassis of SX2110C military off-road vehicle assemble with Steyr drive axle and Steyr four-door cab. The vehicle is mainly used for repair, clean and maintenance platform, and provides all the services and arms and armies with basic type chassis for special vehicle refitting.



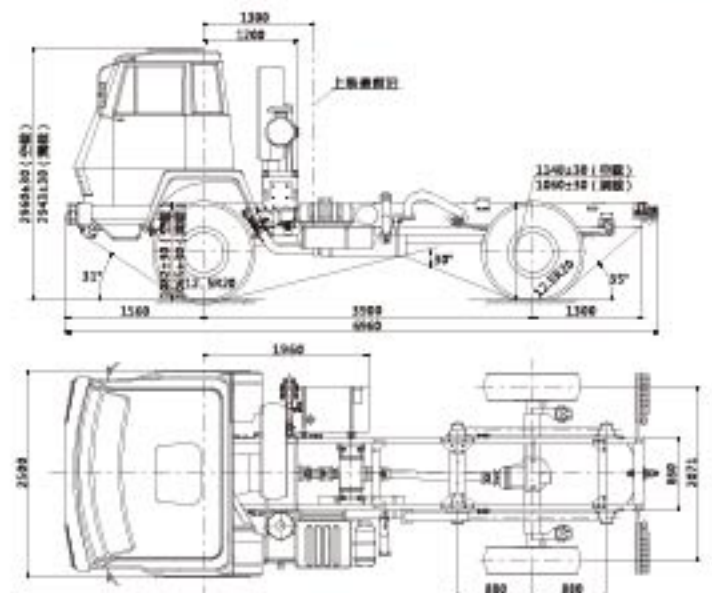
SX2110C



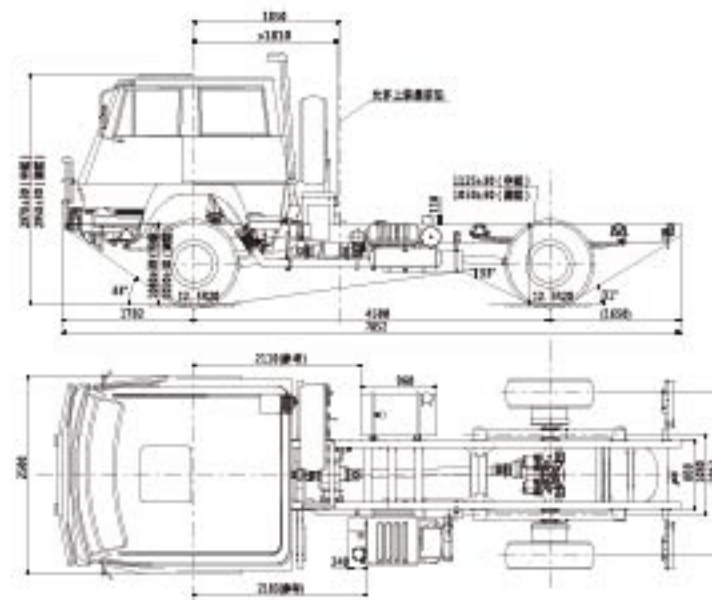
SX2110实车图片



SX2110A二维简图



SX2110二维简图



SX2110C二维简图



第二代及其改进型车型——SX2110系列 (4×4/3.5t) The second generation vehicle type and its modified type - SX2110 series (4×4/3.5t)		车型 Vehicle type		
		SX2110	SX2110A	SX2110C
驱动型式 Drive type		4×4		
驾驶室类型 Cab type		斯太尔标准型驾驶室 Steyr standard cab	斯太尔加长型驾驶室 Steyr extended cab	斯太尔加长四开门型驾驶室 Steyr extended four-door cab
驾驶室定员 Rated passenger capacity		2	5	4
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	11000	11000	11500
	整备质量 (kg) Kerb mass	6800	7000	7200
	越野装载质量 (kg) Off-road pay mass	4050	3655	4020
	公路装载质量 (kg) Highway pay mass	4050	3655	4020
	越野牵引质量 (kg) Off-road tractive tonnage	3500		
尺寸参数 Dimension parameters	外形尺寸 (长×宽×高) (mm) (空载/满载) Overall dimensions (length×width×height) (mm) (no-load/full-load)	6960×2500×2960±30/2943±30	7650×2500×2960±30/2943±30	7852×2500×2978±30/2958±30
	轴距 (mm) Wheelbase	3900	4500	4500
	最大允许上装使用纵梁长度 (mm) Maximum authorized mounted longitudinal beam length	3900	4420	4300
	车架上翼面离地高度 (mm) (空载/满载) Ground clearance of upper surface of frame (no-load/full-load)	1140±30/1060±30	1140±30/1060±30	1125±30/1050±30
性能参数 Performance parameters	最高车速 (km/h) Maximum speed	<98	<98	<93
	最大爬坡度 (%) Maximum gradability	<60		
	最小离地间隙 (mm) Minimum ground clearance	<295		
	接近角/离去角 (°) Approach angle/departure angle	<31/<35	<31/<33	<33/<31
	涉水深度 (mm) Fording depth	<1000		
	最小转弯直径 (m) Minimum turning diameter	>17	>20	>20
	限定工况下燃油消耗量 (L/100km) Fuel consumption under limited working condition	>28		

发动机 Engine	燃油箱容积 (L) Fuel tank volume	200		
	型号 Model	WD415.21		
	额定功率/转速 (KW/r/min) Rated power/rotating speed	155/2200		
	最大扭矩/转速 (N·m/r/min) Maximum torque/rotating speed	820/1300~1600		
离合器型式 Clutch type	Φ395mm膜片弹簧单片干式带扭转减振器 Φ395mm diaphragm spring monolithic dry torsional damper			
变速器型号 Transmission model	7DS908			
分动器型号 Transfer case model	ZQC800			
驱动桥型式 Drive axle type	钢管插入式铸造桥壳驱动桥 Steel pipe plug-in casting axle housing drive axle	钢管插入式铸造桥壳驱动桥 Steel pipe plug-in casting axle housing drive axle	冲压焊接桥壳, 中央主减速器、带轮边行星齿轮减速器双级减速驱动桥 Press-welding axle housing, central main reducer, reducer with wheel planetary gear, two-stage deceleration drive axle	
悬架 Suspension	钢板弹簧式悬架 Leaf spring suspension			
转向器型式 Diverter type	整体循环球式液压力转向器 Integral cyclic ball-type hydraulic power steering gear			
制动装置型式 Brake device type	双回路气压制动 Dual-circuit air braking			
车架 Frame	型式/宽度 (mm) Type/width	槽形直纵梁变截面框架结构/860 Grooved straight girder variable cross-section frame structure/860		
	纵梁断面尺寸 (mm) Cross dimensions of longitudinal beam	180/260×80×7		
轮胎 Tyre	12.5R20			



• SX2151系列 •

SX2151 SX2151W SX2180L

第二代及其改进型车型——SX2151系列 (4×4/5t/8t)

The second generation vehicle type and its modified type - SX2151 series (4×4/5t/8t)

SX2151型军用越野汽车是根据我军战备需要，在SX2190基础上将驱动型式由6×6变更为4×4，优化轴距，重新匹配动力传动系统而开发的5吨级越野汽车。该车采用了性能先进并能与二代军车通用的总成，如斯太尔发动机、变速器、分动器、传动轴等，使整车在具有良好的使用性能的同时与民用车有很好的通用性、互换性和系列化，该车具有动力性好、油耗低、操纵轻便、转向灵活、行驶稳定及制动性好，机动性高、越野通过性强、维修保养方便、可靠性高等优点。该车适用于部队、石油、林业、矿山等野外作业部门选用。

SX2151W型军用越野汽车是结合我军后勤装备车辆底盘特点，在SX2151的基础上，通过更换军用德龙F3000驾驶室，国Ⅲ电控发动机，变速器（带同步器）等，并优化轴距，重新匹配动力传动系统而开发的5吨级越野汽车。该车应用于综合抢修、自行车炊事等后勤领域，并为各军兵种改装专用车辆提供基础底盘。

SX2180L型军用越野汽车二类底盘是为了满足我军部分装备对底盘越野机动性要求不高的改装需求而研制的车型，该车是SX2151的加强型，通过加强有关的承载结构件，换装12.00-20轮胎，使装载质量由5吨上升到8吨，加长轴距，换装单排座驾驶室，侧置备胎架、侧置进气系统等。该车适用于牵引、运载武器装备，可改装成方舱车以及特殊作业装备等各军兵种专用配套车辆，也可作为油田、工地、林业、地质等部门在复杂环境条件下使用的专用车辆。

SX2151 5-ton military off-road vehicle is developed according to the needs of our military combat readiness. On the basis of SX2190 vehicle, change the drive type from 6 x 6 to 4 x 4, optimize the wheelbase, and match with new power transmission system. The vehicle adopts advanced assemblies, which can be employed universally on 2nd generation military vehicles, such as Steyr engine, transmission, transfer case, and propeller shaft, etc., so as to make the complete vehicle have good performance and good versatility, interchangeability and seriation with civil vehicles. The vehicle has characteristics of good dynamic performance, low fuel consumption, easy to operate and maintenance, flexible steering, good stability and braking ability, high maneuverability, strong off-road trafficability and high reliability, etc. The vehicle is suitable for the army, oil, forestry department and field operation.

Combining with the characteristics of our army logistics vehicle chassis and on the basis of SX2151, the SX2151W 5-ton military off-road vehicle assembles military D'long F3000 cab, China electronic-controlled engine and transmission (with synchronizer), etc., and optimizes the wheelbase, matches with new power transmission system. The vehicle can be applied to the comprehensive repair, self-propelled cooking and other logistics field, and provides all the services and arms and armies with basic type chassis for special vehicle refitting.

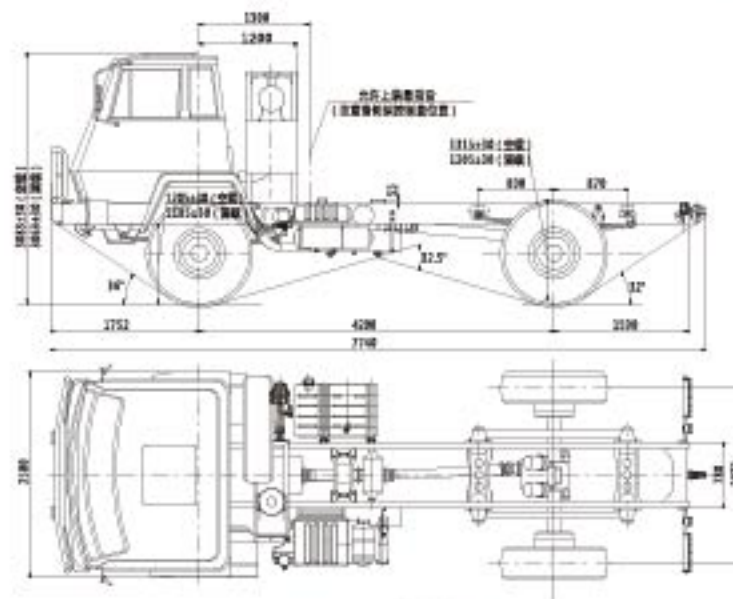
The category II chassis of SX2180L military off-road vehicle is the enhanced type of SX2151 vehicle. The SX2180L vehicle is developed to meet the refit requirements of undemanding off-road maneuverability of military chassis. On the basis of SX2151 vehicle, the SX2180L vehicle strengthens related load-bearing structure, changes types of 12.00-20, increases the loading quality from 5 tons to 8 tons, lengthens wheelbase, assemble the cab with single seat, equips with side spare wheel carrier and side air intake system, etc. The vehicle is suitable for towing and carrying weapons equipment, and it also can be refitted to van-type vehicles and other special-purpose vehicles. It can work under complex conditions, such as the oil, construction site, forestry department and geology.



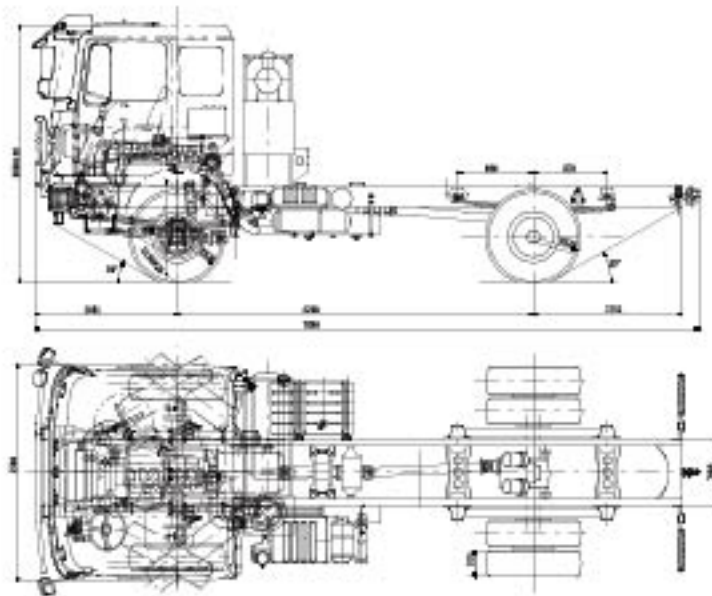
SX2151



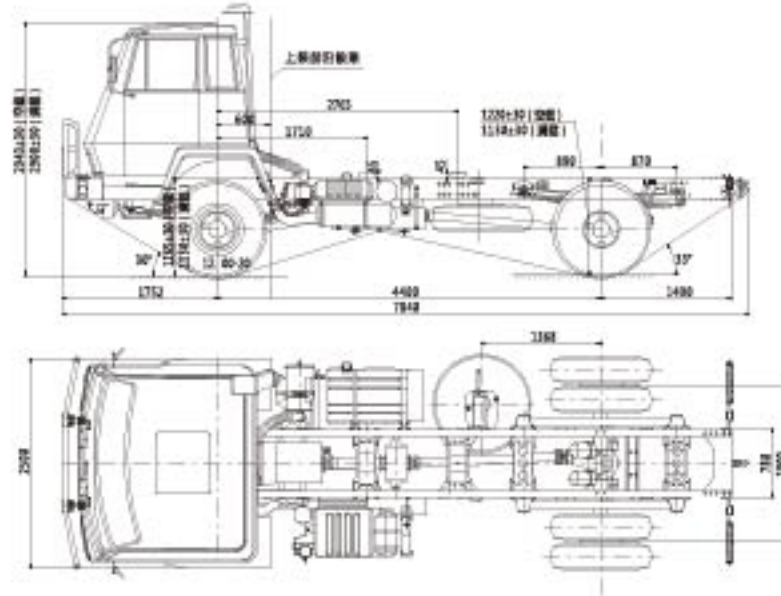
SX2180L实车图片



SX2151二维简图



SX2151W二维简图



SX2180L二维简图



第二代及其改进型车型——SX2151系列 (4×4/5t/8t) The second generation vehicle type and its modified type - SX2151 series (4×4/5t/8t)		车型 Vehicle type		
		SX2151	SX2151W	SX2180L
驱动型式 Drive type		4×4		
驾驶室类型 Cab type		斯太尔标准型驾驶室 Steyr standard cab	军用福龙F3000驾驶室 Military D'long F3000 cab	斯太尔标准型驾驶室 Steyr standard cab
驾驶室定员 Rated passenger capacity		3	2	3 (副驾驶双人座椅) Double seats for co-driver
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	15500	15000	18000
	整备质量 (kg) Kerb mass	7930	>8200	7880
	越野装载质量 (kg) Off-road pay mass	7355	6650	----
	公路装载质量 (kg) Highway pay mass	----	6650	9905
	越野牵引质量 (kg) Off-road tractive tonnage	6500		
尺寸参数 Dimension parameters	外形尺寸 (长×宽×高) (mm) (空载/满载) Overall dimensions (length×width×height) (mm) (no-load/full-load)	7740×2500×3083±30/3063±30	7811×2500×3030±30 (空载no-load)	7840×2500×2943±30/2908±30
	轴距 (mm) Wheelbase	4200		4400
	最大允许上装使用纵梁长度 (mm) Maximum authorized mounted longitudinal beam length	4490	4800	5290
	车架上翼面离地高度 (mm) (空载/满载) Ground clearance of upper surface of frame (no-load/full-load)	1315±30/1205±30	1245±30/1135±30	1220±30/1130±30
性能参数 Performance parameters	最高车速 (km/h) Maximum speed	<85	<94	<78
	最大爬坡度 (%) Maximum gradability	<60	<50	
	最小离地间隙 (mm) Minimum ground clearance	<350	<295	
	接近角/离去角 (°) Approach angle/departure angle	<36/<32	<30/<26	<30/<33
	涉水深度 (mm) Fording depth	<1200		<800
	最小转弯直径 (m) Minimum turning diameter	>20		>21
	限定工况下燃油消耗量 (L/100km) Fuel consumption under limited working condition	>35		>38

		燃油箱容积 (L) Fuel tank volume	280	320
发动机 Engine	型号 Model	WD615.56	WP10.290	WD615.56
	额定功率/转速 (KW/r/min) Rated power/rotating speed	193/2200	213/2200	193/2200
	最大扭矩/转速 (N·m/r/min) Maximum torque/rotating speed	1100/1300 ~ 1600	1160/1200 ~ 1600	1100/1300 ~ 1600
离合器型式 Clutch type		Φ430mm膜片弹簧单片干式带扭转减振器 Φ430mm diaphragm spring monolithic dry torsional damper		Φ420mm圆锥螺旋弹簧单片干式带扭转减振器 Φ420mm spiralspring monolithic dry torsional shock absorber
变速器型号 Transmission model		RT-11509C	9JS135TB	RTO-11509F
分动器型号 Transfer case model		ZQC1200	ZQC1600	ZQC1200
驱动桥型式 Drive axle type		冲压焊接桥壳, 中央主减速器、带轮边行星齿轮减速器双级减速驱动桥 Press-welding axle housing, central main reducer, reducer with wheel planetary gear, two-stage deceleration drive axle		
悬架 Suspension		钢板弹簧式悬架 Leaf spring suspension		
转向器型式 Diverter type		整体循环球式液动力转向器 Integral cyclic ball-type hydraulic power steering gear		
制动装置型式 Brake device type		双回路气压制动 Dual-circuit air braking		
车架 Frame	型式/宽度 (mm) Type/width	槽形直纵梁变截面框架结构/780 Grooved straight girder variable cross-section frame structure/780		
	纵梁断面尺寸 (mm) Cross dimensions of longitudinal beam	243×80×8		
轮胎 Tyre		14.00-20越野花纹轮胎 14.00-20 Off-road pattern tyre	12.00R20越野轮胎 12.00R20 Off-road tyre	12.00-20 12.00-20



SX2190

• SX2190系列 •

SX2190 SX2190BQ SX2190BQA SX2190P

第二代及其改进型车型——SX2190系列 (6×6/7t)

The second generation vehicle type and its modified type - SX2190 series (6×6/7t)

SX2190型军用越野汽车是我军第二代七吨级军用越野汽车主力车型,该车型是在引进奥地利斯太尔91系列重型汽车设计制造技术基础上,结合我军国防需要而研制开发的军用车辆。其动力性与经济性领先,配件通用化程度高、军民通用性强,可满足部队各方面的使用需求。该车型是我军武器装备配套和摩托化部队机动保障的重要平台,主要应用于牵引、运载重型武器装备,输送弹药、油料等作战物资,并为各军兵种改装专用车辆提供基础底盘。

SX2190D型军用越野汽车是在SX2190基础上加装十吨后置液压绞盘而开发的车型。

SX2190BQ型军用越野汽车二类底盘是在SX2190的基础上,加长轴距、后悬,换装斯太尔单排座驾驶室以增大上装使用纵梁长度;换装12胎以降低车架上部离地高度;该车动力性好、适应性强、造型美观、乘坐舒适、操纵轻便灵活,可为机械化部队改装运输物资、方舱、集装箱等特种车辆提供基础底盘。

SX2190BQA型军用越野汽车二类底盘是在SX2190BQ的基础上加长轴距,扩大上装设备的使用空间,该车适用于部队改装、物资运输、电子方舱等。

SX2190P型军用越野汽车二类底盘是我军S95整体自装卸补给车专用底盘,是SX2190BQ的加长版。

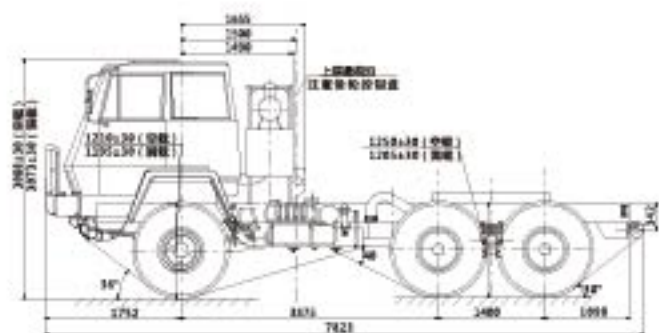
SX2190 military off-road vehicle is the main hauler of the second generation 7-ton military off-road vehicle, which is developed on the basis of the design and manufacture technique of Austria Steyr 91 series heavy duty truck and combining with the needs of our national defense. It has the characteristics of advanced power performance and economical efficiency, high versatility of components and high universalization between military and civil vehicle, it can meet the all use requirements of troops. Moreover, it is the important platform for our military weapons equipment and maneuvering security of motorized troops. The vehicle is suitable for towing and carrying weapons equipment, transporting ammunition and oil, and provides all the services and arms and armies with basic type chassis for special vehicle refitting.

On the basis of SX2190, SX2190D military off-road vehicle adds a 10-ton rear hydraulic winch.

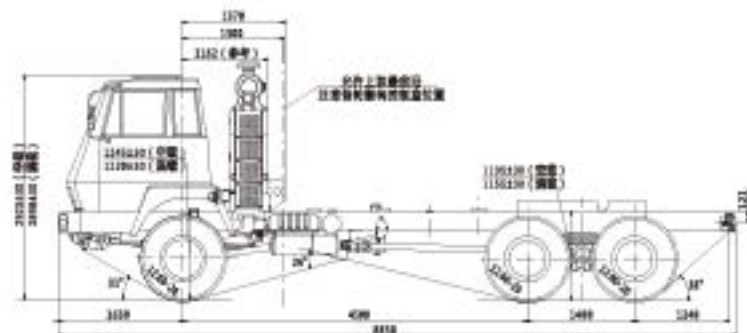
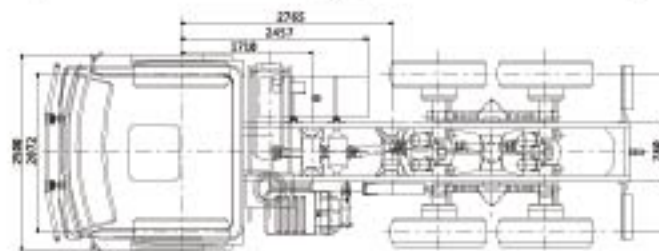
On the basis of SX2190, the category II chassis of SX2190BQ military off-road vehicles lengthen the wheelbase and rear suspension, equip with the cab with single seat to increase the longitudinal beam length for mounting, and assemble with 12-tyre to reduce the ground clearance of upper surface of frame. The characteristics of the vehicles are good power, strong adaptability, beautiful modeling, comfort and flexible maneuverability. They provide mechanized troops with the basic type chassis for special vehicles refitting, such as materials transporting vehicles, van-type vehicles and container vehicles refitting.

On the basis of SX2190BQ, the category II chassis of SX2190BQA military off-road vehicles lengthen wheelbase, expand the used space of installing devices. The vehicles are suitable for refitting, material transportation and electronic van, etc.

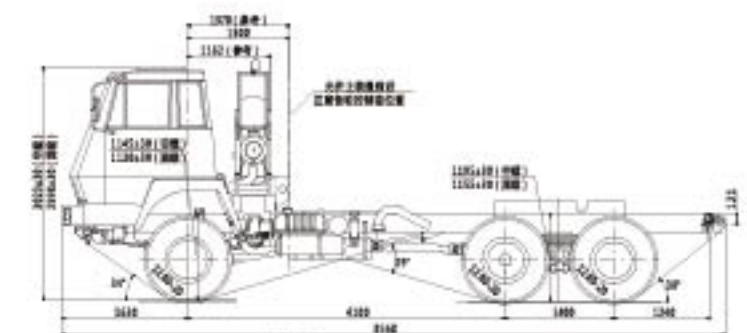
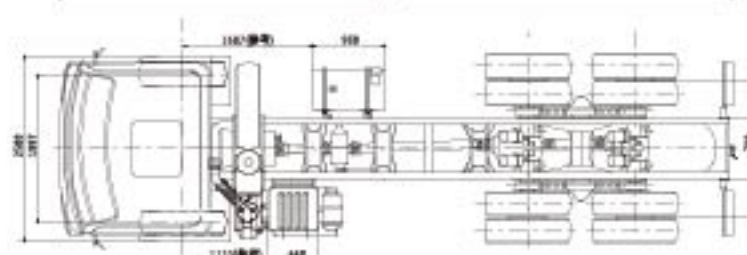
The category II chassis of SX2190P military off-road vehicle, a special chassis of S95 palletized loading supply vehicle, is the extended type of SX2190BQ vehicle.



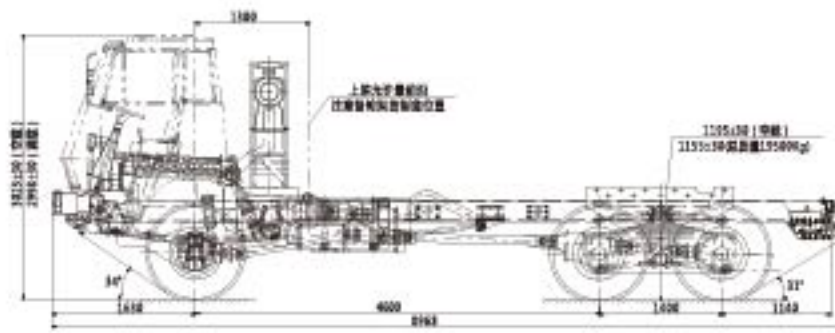
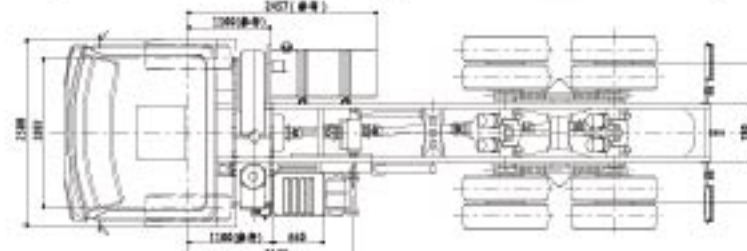
SX2190二维简图



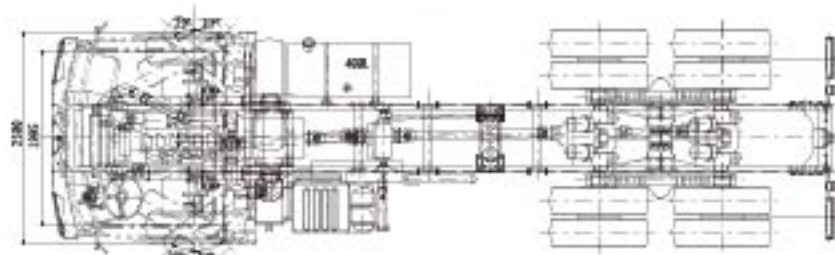
SX2190BQA二维简图



SX2190BQ二维简图



SX2190P二维简图





第二代及其改进型车型——SX2190系列(6×6/7t) The second generation vehicle type and its modified type - SX2190 series (6×6/7t)		车型 Vehicle type			
		SX2190	SX2190BQ	SX2190BQA	SX2190P
驱动型式 Drive type		6×6			
驾驶室类型 Cab type		斯太尔加长型驾驶室 Steyr extended cab	斯太尔标准型驾驶室 Steyr standard cab		
驾驶室定员 Rated passenger capacity		5	2		
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	19500			
	整备质量 (kg) Kerb mass	10090	9700	9850	10100
	越野装载质量 (kg) Off-road pay mass	9065	9650	9500	9250
	公路装载质量 (kg) Highway pay mass	12065	12650	12500	12250
	越野牵引质量 (kg) Off-road tractive tonnage	7500		—	7500
尺寸参数 Dimension parameters	外形尺寸(长×宽×高)(mm)(空载/满载) Overall dimensions (length×width×height) (mm) (no-load /full-load)	7823×2500×3088±30/3073±30	8568×2500×3023±30/2998±30	8850×2500×2923±30/2898±30	8968×2500×3023±30/2998±30
	轴距 (mm) Wheelbase	3375+1400	4100+1400	4500+1400	4600+1400
	最大允许上装使用纵梁长度 (mm) Maximum authorized mounted longitudinal beam length	4373	5440	5840	5840
	车架上表面离地高度 (mm) (空载/满载) Ground clearance of upper surface of frame (no-load /full-load)	1250±30/1205±30	1195±30/1155±30		
性能参数 Performance parameters	最高车速 (km/h) Maximum speed	<85	<96		
	最大爬坡度 (%) Maximum gradability	<60	<50	<45	<45
	最小离地间隙 (mm) Minimum ground clearance	<350	<295		
	接近角/离去角 (°) Approach angle/departure angle	<36/≤38	<34/≤38	<31/≤38	<34/≤31
	涉水深度 (mm) Forging depth	<1200	<1000		
	最小转弯直径 (m) Minimum turning diameter	>19	>22	>24	>24
	限定工况下燃油消耗量 (L/100km) Fuel consumption under limited working condition	>38			

燃油箱容积 (L) Fuel tank volume		400	200	400
发动机 Engine	型号 Model	WD615.50		
	额定功率/转速 (KW/r/min) Rated power/rotating speed	206/2200		
	最大扭矩/转速 (N·m/r/min) Maximum torque/ rotating speed	1160/1100 ~ 1600		
离合器型式 Clutch type		Φ430mm膜片弹簧单片干式带扭转减振器 Φ430mm diaphragm spring monolithic dry torsional damper		
变速器型号 Transmission model		RT-11509C	RTO-11509F	
分动器型号 Transfer case model		ZQC1200		
驱动桥型式 Drive axle type		冲压焊接桥壳, 中央主减速器, 带轮边行星齿轮减速器双级减速驱动桥 Press-welding axle housing, central main reducer, reducer with wheel planetary gear, two-stage deceleration drive axle		
悬架 Suspension		钢板弹簧式悬架 Leaf spring suspension		
转向器型式 Diverter type		整体循环球式液动力转向器 Integral cyclic ball-type hydraulic power steering gear		
制动装置型式 Brake device type		双回路气压制动 Dual-circuit air braking		
车架 Frame	型式/宽度 (mm) Type/width	槽形直纵梁等截面框架结构/780 Grooved straight girder variable cross-section frame structure/780		
	纵梁断面尺寸 (mm) Cross dimensions of longitudinal beam	243×80×8		
轮胎 Tyre		14.00-20越野花纹轮胎 14.00-20 Off-road pattern tyre	12.00-20越野花纹轮胎 12.00-20 Off-road pattern tyre	



• SX2190系列 •

SX2190EV SX2190Q

第二代及其改进型车型——SX2190系列 (6×6/7t)

The second generation vehicle type and its modified type - SX2190 series (6×6/7t)

SX2190EV型军用越野汽车二类底盘是在SX2190的基础上, 加长轴距和后悬以增大上装使用纵梁长度, 换装12胎以降低车架上平面离地高度, 换装军用四开门驾驶室以提高驾乘人员数量及上下车方便性。该车型上装使用纵梁长度长, 车架上平面离地高度较SX2190低, 非常适宜方舱车的改装需求, 也可以改装成其它武器装备。

SX2190Q型军用越野汽车二类底盘是在列装的SX2190车型的基础上, 根据载荷的变化及性能的要求, 重新匹配动力传动系统, 根据运载舟桥的使用空间及重心位置分析, 加长轴距, 并重新设计加强型车架, 对相关系统进行相应的校核与匹配。该车型是为我军某重型舟桥设计而开发的专用底盘, 是我军武器装备配套和摩托化部队机动保障的重要平台, 也可以为其它各军兵种改装专用车辆提供基型底盘。

On the basis of SX2190, the category II chassis of SX2190EV military off-road vehicles lengthen the wheelbase and rear suspension, assemble with 12-tyres to reduce the ground clearance of upper surface of frame and equip with military four-door cab to increase the passenger number and easy to get on or off the vehicle. They can provide longer longitudinal beam length for mounting and lower ground clearance of upper surface of frame. Therefore, they are very suitable for van-type vehicles and other weapons equipment refitting.

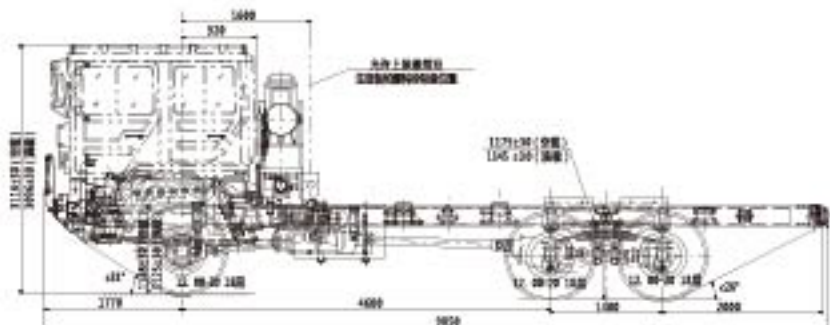
On the basis of basic type of SX2190, according to load variation and performance requirement, the category II chassis of SX2190Q military off-road vehicle matches new powertrain system, lengthens the wheelbase and designs enhanced frame based on the used space of carrying axle and the position analysis of center of gravity, and checks related systems. The vehicle type is the special chassis designed for certain type military heavy duty axle. It is the important platform for our military weapons equipment and maneuvering security of motorized troops, and it provides all the services and arms and armies with basic type chassis for



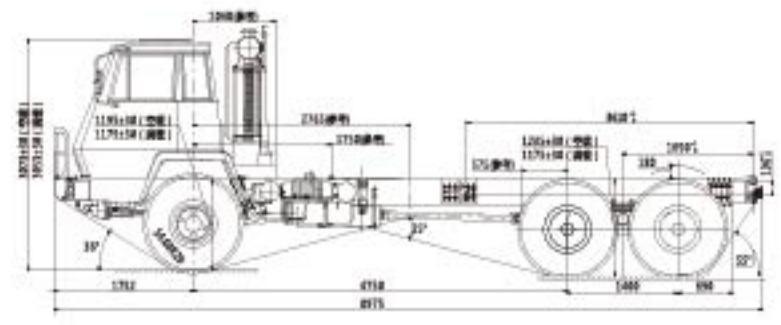
SX2190EV实车图片



SX2190Q实车图片



SX2190EV二维简图



SX2190Q二维简图





第二代及其改进型车型——SX2190系列 (6×6/7t) The second generation vehicle type and its modified type - SX2190 series (6×6/7t)		车型 Vehicle type	
		SX2190EV	SX2190Q
驱动型式 Drive type		6×6	
驾驶室类型 Cab type		军用四开门驾驶室 (齐星) Military four-door cab (Qi Xing)	斯太尔标准型驾驶室 Steyr standard cab
驾驶室定员 Rated passenger capacity		4	
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	19500	22000
	整备质量 (kg) Kerb mass	10200	10400
	越野装载质量 (kg) Off-road pay mass	9020	11320
	公路装载质量 (kg) Highway pay mass	12020	---
	越野牵引质量 (kg) Off-road tractive tonnage	---	
尺寸参数 Dimension parameters	外形尺寸 (长×宽×高) (mm) (空载/满载) Overall dimensions (length×width×height) (mm) (no-load /full-load)	9850×2500×3116±30/3096±30	8975×2500×3073±30/3053±30
	轴距 (mm) Wheelbase	4600+1400	4750+1400
	最大允许上装使用纵梁长度 (mm) Maximum authorized mounted longitudinal beam length	6400	5800
	车架上表面离地高度 (mm) (空载/满载) Ground clearance of upper surface of frame (no-load /full-load)	1175±30/1145±30	1235±30/1175±30
性能参数 Performance parameters	最高车速 (km/h) Maximum speed	<96	<86
	最大爬坡度 (%) Maximum gradability	<40	<50
	最小离地间隙 (mm) Minimum ground clearance	<295	<350
	接近角/离去角 (°) Approach angle/departure angle	<31/<26	<36/<55
	涉水深度 (mm) Forging depth	<1000	<1200
	最小转弯直径 (m) Minimum turning diameter	>24	>27
	限定工况下燃油消耗量 (L/100km) Fuel consumption under limited working condition	>38	>45

发动机 Engine	燃油箱容积 (L) Fuel tank volume	320	400	
	型号 Model	WD615.50	WD615.44	
	额定功率/转速 (KW/r/min) Rated power/rotating speed	206/2200	235/2200	
	最大扭矩/转速 (N·m/r/min) Maximum torque/ rotating speed	1160/1100 - 1600	1250/1400 - 1600	
配置参数 Configuration parameters	离合器型式 Clutch type	Φ420mm 前置螺旋弹簧单片干式带扭减震器 Φ420mm spiralspring monolithic dry torsional shock absorber	Φ430mm 膜片弹簧单片干式带扭减震器 Φ430mm diaphragm spring monolithic dry torsional damper	
	变速器型号 Transmission model	RTO-11509F	RT-11509C	
	分动器型号 Transfer case model	ZQC1200		
	驱动桥型式 Drive axle type	冲压焊接桥壳, 中央主减速器, 带轮边行星齿轮减速器双级减速驱动桥 Press-welding axle housing, central main reducer, reducer with wheel planetary gear, two-stage deceleration drive axle		
	悬架 Suspension	钢板弹簧式悬架 Leaf spring suspension		
	转向器型式 Diverter type	整体循环球式液动力转向器 Integral cyclic ball-type hydraulic power steering gear		
	制动装置型式 Brake device type	双回路气压制动 Dual-circuit air braking		
	车架 Frame	型式/宽度 (mm) Type/width	槽形直纵梁等截面框架结构/780 Grooved straight girder variable cross-section frame structure/780	槽形直纵梁变截面框架结构/780 Grooved straight girder variable cross-section frame structure/780
		纵梁断面尺寸 (mm) Cross dimensions of longitudinal beam	243×80×8	243/300×80×8
	轮胎 Tyre	12.00-20 越野花纹轮胎 12.00-20 Off-road pattern tyre	14.00R20 越野花纹轮胎 14.00R20 Off-road pattern tyre	



• SX2190N系列 •

SX2190N SX2190NK SX2255QY425

第二代及其改进车型——SX2190N系列 (6×6/8t/17t)

The second generation vehicle type and its modified type - SX2190N series (6×6/8t/17t)

SX2190N型军用越野汽车是为满足部队武器装备运输对承载底盘的要求，在SX2190的基础上，开发并设计的升级换代产品，通过采用换装大功率电控发动机、无内胎可调节轮胎，加装轮胎中央充放气系统、ABS系统、发动机水套加热装置、独立暖风、启动电容，加强车架、提高前桥最大设计轴荷等措施，提高了车辆的“承载能力、动力性、通过性及适应性”。

SX2190NA型军用越野汽车是在SX2190N基础上加装十吨后置液压绞盘而开发的车型。

SX2190NK型军用越野汽车是在SX2190N型运兵车的基础上，进行适应性改进而开发的产品。通过加长轴距，调整总布置，设计27人货箱，改进后悬架等措施，提高货箱的运兵能力和乘坐舒适性，提高了车辆的运兵适应性。

SX2255QY425型军用越野汽车二类底盘是为军用机场主力泡沫消防车提供改装平台而开发的专用底盘，由其改装的消防车，是军用机场消防的主力灭火车型，主要用于扑灭飞机火灾，遂行飞行安全保障任务，并兼顾遂行机场固定设施消防保障任务。该车承载能力强、动力性高，在满载29t的状态下0~80km/h连续换挡加速时间为31s。

On the basis of SX2190, SX2190N military off-road vehicle, an upgraded product, is developed and designed in order to meet the requirements of army weapon equipment transportation for carrying chassis. The SX2190Nadopts high-power electrically controlled engine and tubeless adjustable tyre, assembles central tyre inflation/deflation system, ABS system, engine jacket heating device, independent heater and starting capacitance, reinforces frame, and increases themaximum design axle load of front axle, which improves the vehicle's "carrying capacity, power performance,trafficability and adaptability".

On the basis of SX2190N, SX2190NA military off-road vehicle adds a10-ton rear hydraulic winch.

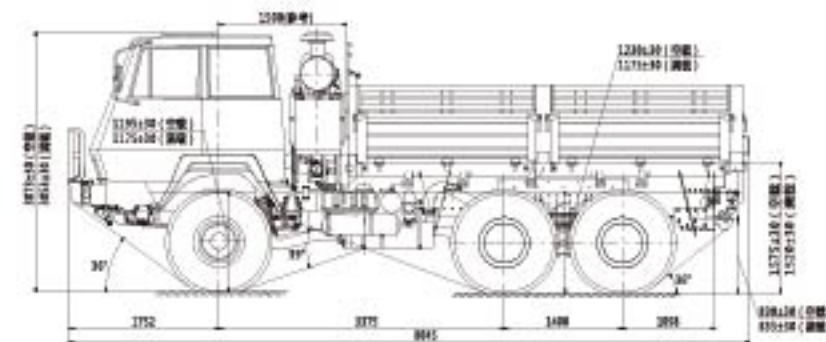
The category II chassis of SX2255QY425 military off-road vehicle is a special chassis, which is used for providing refit platform for military airport foam discharging vehicle. Its refitting fire-fighting vehicle is main military airport crash fire vehicle. It is applicable for fighting airport fire, ensuring flight safety and protecting fixed facilities of airport. The vehicle has the characteristics of strong load capacity and high power performance. Under full-load of 29t and at the speed of 0~80km/h, its shift acceleration time is 31s.



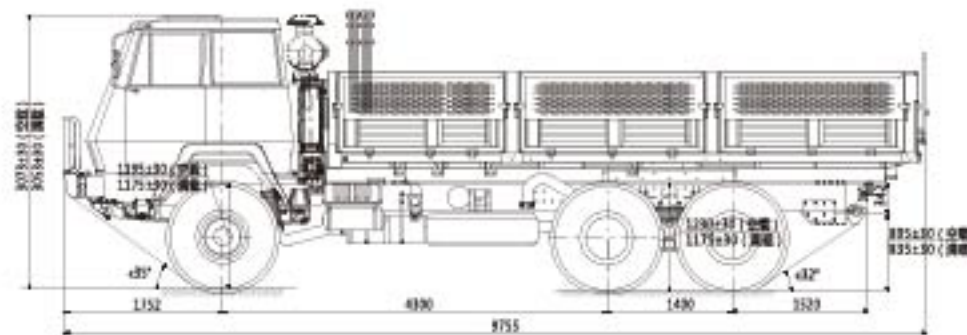
SX2255QY425



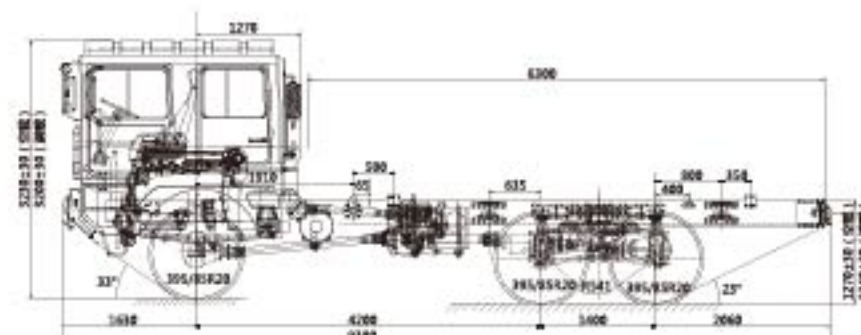
SX2190N 实车图片



SX2190N 二维简图



SX2190NK 二维简图



SX2255QY425 二维简图



第二代及其改进车型——SX2190N系列 (6×6/8t/17t) The second generation vehicle type and its modified type - SX2190N series (6×6/8t/17t)		车型 Vehicle type		
		SX2190N	SX2190NK	SX2255QV425
驱动型式 Drive type		6×6		
驾驶室类型 Cab type		斯太尔加长型驾驶室 Steyr extended cab	军用四开门驾驶室 (齐星) Military four-door cab (Qi Xing)	
驾驶室定员 Rated passenger capacity		5		
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	20500	21182	29000
	整备质量 (kg) Kerb mass	10280	12837	10350
	越野装载质量 (kg) Off-road pay mass	9875	8000	18305
	公路装载质量 (kg) Highway pay mass	11875	10000	----
	越野牵引质量 (kg) Off-road tractive tonnage	7500		
尺寸参数 Dimension parameters	外形尺寸 (长×宽×高) (mm) (空载/满载) Overall dimensions (length×width×height) (mm) (no-load/full-load)	7823×2500×3073±30/3053±30	9755×2550×3340±30/3320±30	9380×2500×3230±30/3200±30
	轴距 (mm) Wheelbase	3375+1400	4300+1400	4200+1400
	最大允许上装使用纵梁长度 (mm) Maximum authorized mounted longitudinal beam length	4373	6020	6300
	车架上表面离地高度 (mm) (空载/满载) Ground clearance of upper surface of frame (no-load/full-load)	1235±30/1175±30	1230±30/1175±30	1270±30/1240±30
性能参数 Performance parameters	最高车速 (km/h) Maximum speed	<92		<110
	最大爬坡度 (%) Maximum gradability	<60		<40
	最小离地间隙 (mm) Minimum ground clearance	<350		<310
	接近角/离去角 (°) Approach angle/departure angle	<36/<36	<35/<32	<33/<23
	涉水深度 (mm) Fording depth	<1200		<500
	最小转弯直径 (m) Minimum turning diameter	>19	>24	>23
	限定工况下燃油消耗量 (L/100km) Fuel consumption under limited working condition	>40		>45
	燃油箱容积 (L) Fuel tank volume	400+70	400+90	200

发动机 Engine	型号 Model	WP10.375	WP12.570	
	额定功率/转速 (KW/r/min) Rated power/rotating speed	276/2200	419/2200	
	最大扭矩/转速 (N·m/r/min) Maximum torque/rotating speed	1460/1200-1600	2300/1200-1600	
配置参数 Configuration parameters	离合器型式 Clutch type	Φ430mm膜片弹簧单片干式带扭转减振器 Φ430mm diaphragm spring monolithic dry torsional damper		
	变速器型号 Transmission model	RT-11509C	Allison 4500P	
	分动器型号 Transfer case model	ZQC1600	ZQC2000	
	驱动桥型式 Drive axle type	冲压焊接桥壳, 中央主减速器、带轮边行星齿轮减速器双级减速驱动桥 Press-welding axle housing, central main reducer, reducer with wheel planetary gear, two-stage deceleration drive axle		
	悬架 Suspension	钢板弹簧式悬架 Leaf spring suspension		
	转向器型式 Diverter type	整体循环球式液动力转向器 Integral cyclic ball-type hydraulic power steering gear		
	制动装置型式 Brake device type	双回路气压制动 Dual-circuit air braking		
	车架 Frame	型式/宽度 (mm) Type/width	槽形直纵梁变截面车架结构/850 Grooved straight girder variable cross-section frame structure/850	
		纵梁断面尺寸 (mm) Cross dimensions of longitudinal beam	243/300×80×8	
		轮胎 Tyre	14.00R20无内胎可调压轮胎 14.00R20 Tyre of tubeless and adjustable voltage	395/85R20无内胎可调压轮胎 395/85R20 Tyre of tubeless and adjustable voltage



• SX2190N系列 •

SX2190NE SX2190NPA

第二代及其改进型车型——SX2190N系列 (6×6/8t)

The second generation vehicle type and its modified type - SX2190N series (6×6/8t)

SX2190NE型军用越野汽车是在SX2190N的基础上, 换装军用德龙F3000驾驶室, 增加货箱可折叠运兵梯、货箱上车梯, 越野能力强, 驾乘舒适性好。根据需要可选装5t折臂随车吊, 提高了车辆的工作效率。可牵引配备ABS控制装置的QG7.5型越野挂车, 提高了车辆的运输效率及安全性。

SX2190NPA型军用越野汽车是为满足我军后勤装备需求, 在SX2190P的基础上进行技术提升, 装配军用德龙F3000驾驶室, 换装变速器(带同步器), 优化轴距, 重新匹配动力传动系统而开发的10吨级越野汽车。该车主要适用于专用设备改装平台, 如运加油车、运净水车、淋浴车、食品运输车等。

On the basis of SX2190N, SX2190NE equips with military D'long F3000 cab, adds folding chair inside container and get-on ladder. It has excellent off-road capability and good comfort. In order to increase work efficiency, a 5-ton knuckle truck-mounted crane can be installed optionally as required. To improve the conveying efficiency and security, it can tow QG7.5 off-road trailer equipped with ABS control device.

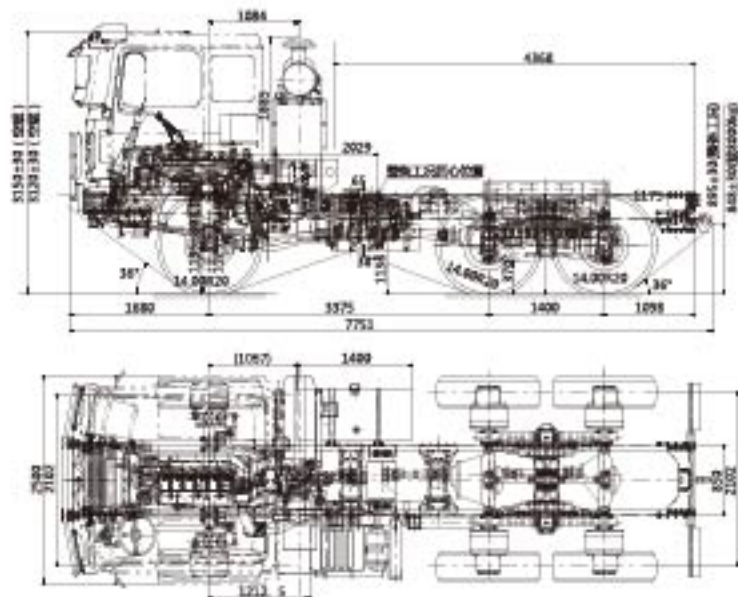
On the basis of SX2190P, SX2190NPA military off-road vehicle has promoted its technology to meet the requirements of our army logistics equipment. It assembles military D'long F3000 cab, changes the transmission (with synchronizer), optimizes the wheelbase and matches with new powertrain system. It is mainly applicable for refit platform of special equipment, such as fuelling vehicle, purified water transporting vehicle, shower vehicle and food-handling vehicle, etc.



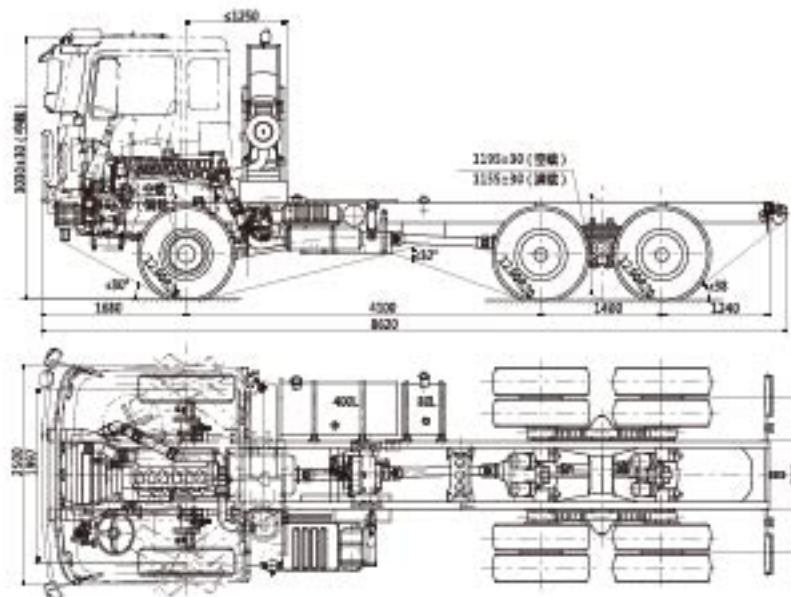
SX2190NE实车图片



SX2190NPA 实车图片



SX2190NE二维简图



SX2190NPA二维简图



第二代及其改进车型——SX2190N系列 (6×6/8t) The second generation vehicle type and its modified type - SX2190N series (6×6/8t)		车型 Vehicle type	
		SX2190NE	SX2190NPA
驱动型式 Drive type	6×6		
驾驶室类型 Cab type	军用德龙F3000驾驶室 Military D'long F3000 cab		
驾驶室定员 Rated passenger capacity	2		
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	19990	20500
	整备质量 (kg) Kerb mass	10810	>10500
	越野装载质量 (kg) Off-road pay mass	9030	9720
	公路装载质量 (kg) Highway pay mass	11030	17300
	越野牵引质量 (kg) Off-road tractive tonnage	7500	7000
尺寸参数 Dimension parameters	外形尺寸 (长×宽×高) (mm) (空载/满载) Overall dimensions (length×width×height) (mm) (no-load /full-load)	7751×2500×3150±30/3120±30	8620×2500×3030±30 (满载full-load)
	轴距 (mm) Wheelbase	3375+1400	4100+1400
	最大允许上装使用纵梁长度 (mm) Maximum authorized mounted longitudinal beam length	4373	5440
	车架上翼面离地高度 (mm) (空载/满载) Ground clearance of upper surface of frame (no-load /full-load)	1222±30/1195±30	1195±30/1155±30 (越野off-road)
性能参数 Performance parameters	最高车速 (km/h) Maximum speed	<92	<100
	最大爬坡度 (%) Maximum gradability	<60	<50
	最小离地间隙 (mm) Minimum ground clearance	<350	<295
	接近角/离去角 (°) Approach angle/departure angle	<36/<36	<30/<38
	涉水深度 (mm) Forging depth	<1200	<1000
	最小转弯直径 (m) Minimum turning diameter	>19	>22
	限定工况下燃油消耗量 (L/100km) Fuel consumption under limited working condition	>45	>40

	燃油箱容积 (L) Fuel tank volume	400+70	400 (80)	
发动机 Engine	型号 Model	WP10.375		
	额定功率/转速 (KW/r/min) Rated power/rotating speed	276/2200		
	最大扭矩/转速(N·m/r/min) Maximum torque/ rotating speed	1460/1200 ~ 1600		
配置参数 Configuration parameters	离合器型式 Clutch type	Φ430mm膜片弹簧单片干式带扭转减振器 Φ430mm diaphragm spring monolithic dry torsional damper		
	变速器型号 Transmission model	RT-11509C	9JS150TA-B	
	分动器型号 Transfer case model	ZQC1600		
	驱动桥型式 Drive axle type	冲压焊接桥壳, 中央主减速器、带轮边行星齿轮减速器双级减速驱动桥 Press-welding axle housing, central main reducer, reducer with wheel planetary gear,two-stage deceleration drive axle		
	悬架 Suspension	钢板弹簧式悬架 Leaf spring suspension		
	转向器型式 Diverter type	整体循环球式液压力转向器 Integral cyclic ball-type hydraulic power steering gear		
	制动装置型式 Brake device type	双回路气压制动 Dual-circuit air braking		
	车架 Frame	型式/宽度 (mm) Type/width	槽形直纵梁变截面框架结构/850 Grooved straight girder variable cross-section frame structure/850	槽形直纵梁等截面框架结构/780 Grooved straight girder variable cross-section frame structure/780
		纵梁断面尺寸 (mm) Cross dimensions of longitudinal beam	243/300×80×8	243×80×8
		轮胎 Tyre	14.00R20无内胎可调压轮胎 14.00R20 Tyre of tubeless and adjustable voltage	12.00R20越野花纹轮胎 12.00R20 Off-road pattern tyre



• SX2300系列 •

SX2300 SX2300H SX2300D

第二代车型及其改进车型——SX2300系列 (8×8/15t)

The second generation vehicle type and its modified type - SX2300 series (8×8/15t)

SX2300型军用越野汽车是为适应国防现代的发展需要,根据我军车辆装备并结合我军使用要求而研制开发的第二代15吨级军用越野汽车,该车动力性与经济性能先进、适应性强、越野性能优良、配件通用化程度高、军民通用性强。整车造型美观,乘坐舒适,操纵轻便灵活。为重型装备车载一体化,增加机动性,打赢现代化战争,提供了有力的保证。

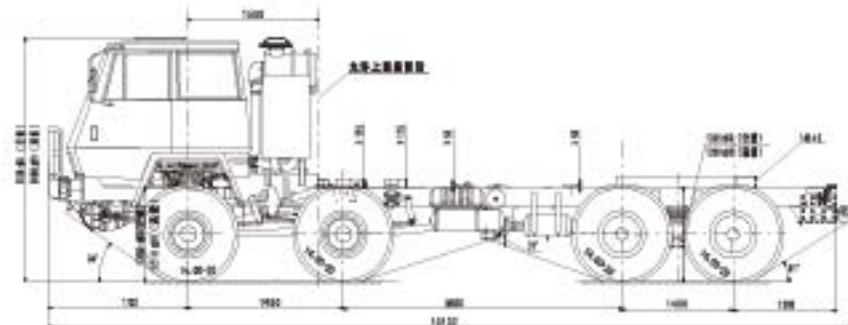
SX2300D型军用越野汽车是在SX2300的基础上改装斯太尔标准驾驶室、加强车架、加长轴距、缩短后悬、取消货箱总成等进行适应性设计而开发的专用车底盘。

SX2300 vehicle is the second generation 15-ton military off-road vehicle, which is developed and designed in order to adapt the needs of modern defense development and in accordance with the vehicle equipment and use requirements of our army. It has the characteristics of advanced power performance and economical efficiency, strong adaptability, excellent off-road performance and high versatility of components and high universalization between military and civil vehicle. The complete vehicle has beautiful modeling, comfort and flexible maneuverability. It provides powerful guarantee for integrating onboard equipments, boosting maneuverability and winning modernized warfare.

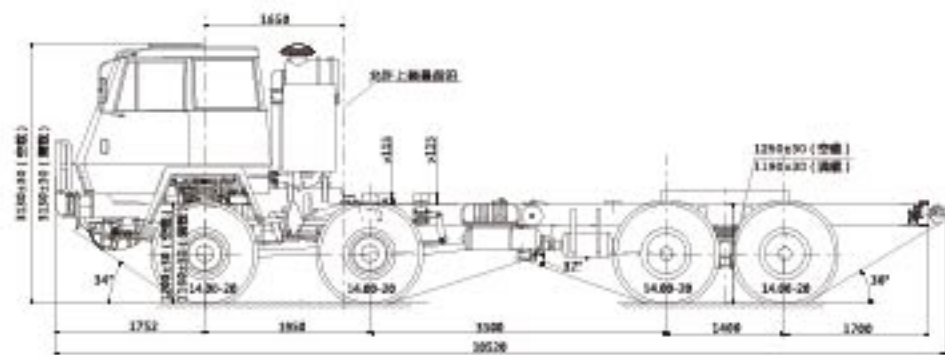
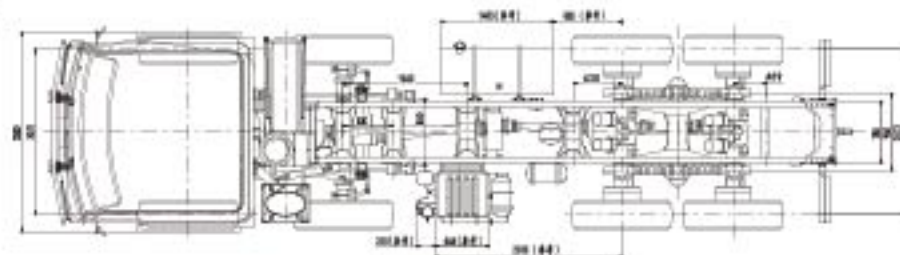
On the basis of SX2300, SX2300D military off-road vehicle equips with standard Steyr cabin, reinforces the frame, extends the wheelbase, shortens the rear suspension, and cancels container assembly.



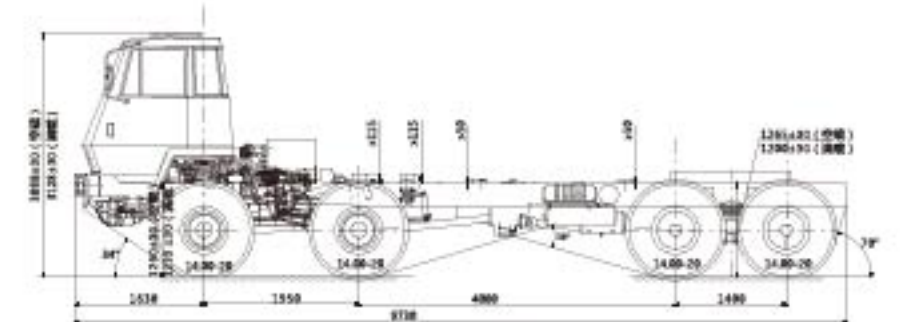
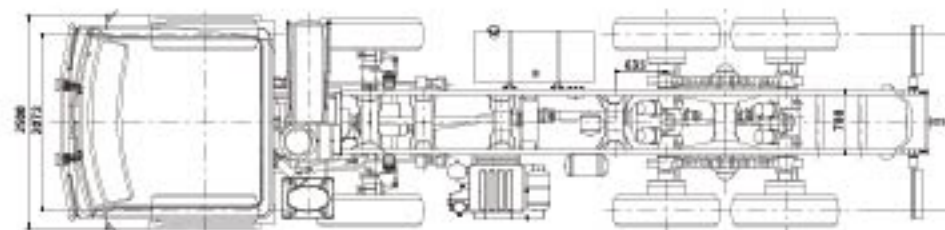
SX2300实车图片



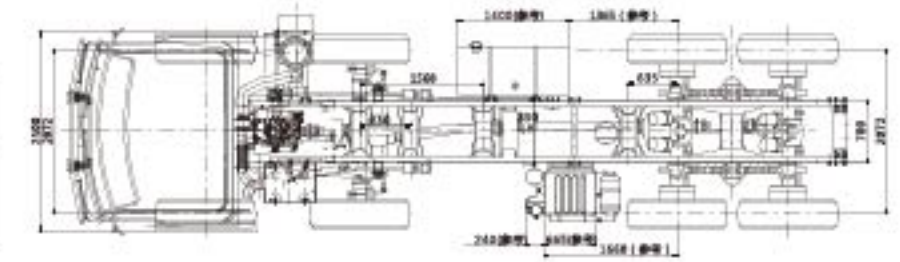
SX2300二维简图



SX2300H二维简图



SX2300D二维简图





第二代及其改进车型——SX2300系列 (8×8/15t) The second generation vehicle type and its modified type - SX2300 series (8×8/15t)		车型 Vehicle type		
		SX2300	SX2300H	SX2300D
驱动型式 Drive type		8×8		
驾驶室类型 Cab type		斯太尔加长型驾驶室Steyr extended cab	斯太尔标准型驾驶室 Steyr standard cab	
驾驶室定员 Rated passenger capacity		5	3	3
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	30000		
	整备质量 (kg) Kerb mass	13000	13200	12700
	越野装载质量 (kg) Off-road pay mass	16655	15500	17805
	公路装载质量 (kg) Highway pay mass	16655	15500	17805
	越野牵引质量 (kg) Off-road tractive tonnage	12000		
尺寸参数 Dimension parameters	外形尺寸 (长×宽×高) (mm) (空载/满载) Overall dimensions (length×width×height) (mm) (no-load/full-load)	10102×2500×3128 ±30/3088±30	10520×2500×3100± 30/3130±30	9730×2500×3128 ±30/3088±30
	轴距 (mm) Wheelbase	1950+3500+1400	1950+3500+1400	1950+4000+1400
	最大允许上装使用纵梁长度 (mm) Maximum authorized mounted longitudinal beam length	6500	6900	---
	车架上翼面离地高度 (mm) (空载/满载) The ground clearance of frame upper surface	1265±30/1200±30	1250±30/1190±30	1260±30/1200±30
性能参数 Performance parameters	最高车速 (km/h) Maximum speed	<85	<86	<85
	最大爬坡度 (%) Maximum gradability	<60		
	最小离地间隙 (mm) Minimum ground clearance	<350	<315	<350
	接近角/离去角 (°) Approach angle/departure angle	<34/<31	<34/<30	<34/<70
	涉水深度 (mm) Fording depth	<1200		
	最小转弯直径 (m) Minimum turning diameter	>27	>27	>28
	限定工况下燃油消耗量 (L/100km) Fuel consumption under limited working condition	>45		
	燃油箱容积 (L) Fuel tank volume	400+170	400	400

发动机 Engine	型号 Model	ISM450	
	额定功率/转速 (KW/r/min) Rated power/rotating speed	336/1800	
	最大扭矩/转速(N·m/r/min) Maximum torque/rotating speed	1966/1200~1600	
配置参数 Configuration parameters	离合器型式 Clutch type	Φ430mm膜片弹簧单片干式带扭减震器 Φ430mm diaphragm spring monolithic dry torsional damper	
	变速器型号 Transmission model	9JS180	
	分动器型号 Transfer case model	ZQC2000	
	驱动桥型式 Drive axle type	冲压焊接桥壳, 中央主减速器、带轮边行星齿轮减速器双级减速驱动桥 Press-welding axle housing, central main reducer, reducer with wheel planetary gear, two-stage deceleration drive axle	
	悬架 Suspension	钢板弹簧式悬架 Leaf spring suspension	
	转向器型式 Diverter type	带应急转向的双回路液压动力转向系统 Dual-circuit hydraulic power steering gear with emergency steering	
	制动装置型式 Brake device type	双回路气压制动 Dual-circuit air braking	
	车架 Frame	型式/宽度 (mm) Type/width	槽形直纵梁等截面框架结构/780 Grooved straight girder variable cross-section frame structure/780
		纵梁断面尺寸 (mm) Cross dimensions of longitudinal beam	243×80×8
		轮胎 Tyre	14.00-20越野花纹轮胎 14.00-20 Off-road pattern tyre



• SX2300系列 •

SX2300C SX2400B

第二代及其改进型车型——SX2300系列 (8×8/15t)

The second generation vehicle type and its modified type - SX2300 series (8×8/15t)

SX2300C型军用越野车二类底盘是为满足某重型支援桥的特殊要求，而研制开发的低位驾驶室二类底盘。该车用于某重型支援桥架桥车底盘。

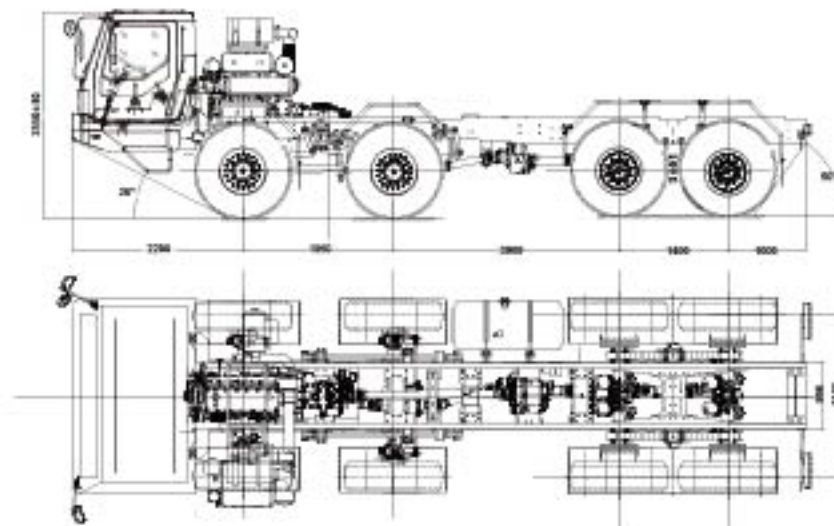
SX2400B型军用越野车二类底盘是为满足某末端防御武器系统跟踪高炮车，而开发设计的专用底盘。该车型具有机动运输功能；主机取力功能；调平、电站、方舱安装的功能；火炮系统安装平台、火炮系统发射平台的功能。

For meeting the special requirements of certain heavy duty support bridge, the category II low-cab chassis of SX2300C military off-road vehicle is developed. The vehicle is used as the chassis for certain heavy duty support bridge vehicle.

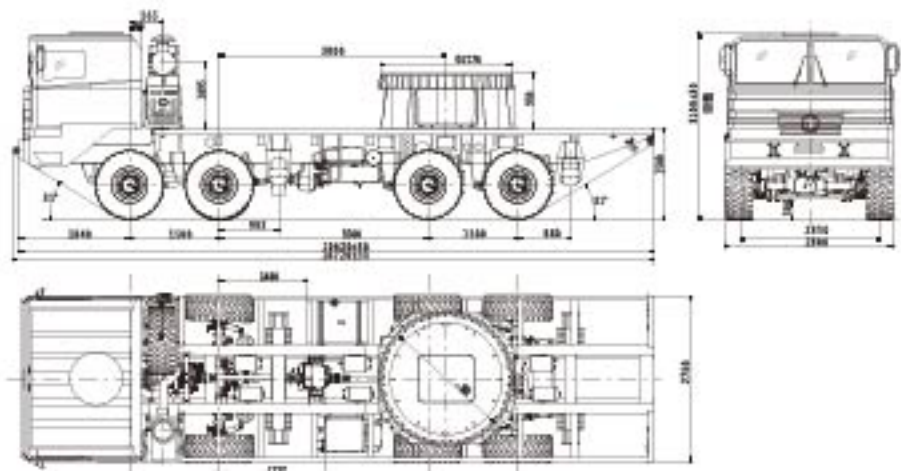
The category II chassis of SX2400B military off-road vehicle is developed to satisfy the demand of certain terminal defense system tracking artillery vehicle. The vehicle has the functions of motorized transportation, active power take-off, leveling, power station and square cabin installation. It also can be used as artillery system installation platform and gun system launch platform.



SX2300C实车图片



SX2300C二维简图



SX2400B二维简图



第二代及其改进车型——SX2300系列 (8×8/15t) The second generation vehicle type and its modified type - SX2300 series (8×8/15t)		车型 Vehicle type	
		SX2300C	SX2400B
驱动型式 Drive type	8×8		
驾驶室类型 Cab type	军用两开门驾驶室 (齐星) Military two-door cab(Qi Xing)		
驾驶室定员 Rated passenger capacity	3	4	
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	<33000	40000
	整备质量 (kg) Kerb mass	13000	17500
	越野装载质量 (kg) Off-road pay mass	20000	
	公路装载质量 (kg) Highway pay mass	---	
	越野牵引质量 (kg) Off-road tractive tonnage	---	
尺寸参数 Dimension parameters	外形尺寸 (长×宽×高) (mm) (空载/满载) Overall dimensions (length×width×height) (mm) (no-load/full-load)	9450×2500×2630±30/2550±30	10620×2800×3150±30/3100±30
	轴距 Wheelbase (mm)	1950+2900+1400	1500+3500+1500
	最大允许上装使用纵梁长度 (mm) The maximum allowable longitudinal beam length	6400	---
	车架上表面离地高度 (mm) (空载/满载) The ground clearance of frame upper surface (no-load/full load)	1259±30/1220±30	---
性能参数 Performance parameters	最高车速 (km/h) Maximum speed	<85	<80
	最大爬坡度 (%) Maximum gradability	<50	<60
	最小离地间隙 (mm) Minimum ground clearance	<300	<280
	接近角/离去角 (°) Approach angle/departure angle	<20/<50	<31/<31
	涉水深度 (mm) Fording depth	<1200	
	最小转弯直径 (m) Minimum turning diameter	>25	>29.5
	限定工况下燃油消耗量 (L/100km) Fuel consumption under limited working condition	>45	>50

配置参数 Configuration parameters	燃油箱容积 (L) Fuel tank volume	400		
	发动机 Engine	型号 Model	ISM450	WP12.460N
		额定功率/转速 (KW/r/min) Rated power/rotating speed	336/1800	338/1900
		最大扭矩/转速 (N·m/r/min) Maximum torque/rotating speed	1966/1200~1600	2100/1200~1500
	离合器型式 Clutch type	Φ430mm膜片弹簧单片干式带扭转减振器 Φ430mm diaphragm spring monolithic dry torsional damper		
	变速器型号 Transmission model	9JS180	9JS220	
	分动器型号 Transfer case model	ZQC2000		
	驱动桥型式 Drive axle type	冲压焊接桥壳, 中央主减速器、带轮边行星齿轮减速器双级减速驱动桥 Press-welding axle housing, central main reducer, reducer with wheel planetary gear, two-stage deceleration drive axle	整体式驱动桥, 带轮、轴间差速器, 带轮、轴间差速锁 One-piece housing, with inter-wheel and inter-axle differential and differential lock	
	悬架 Suspension	钢板弹簧式悬架 Leaf spring suspension	空气弹簧与钢板弹簧组合式复合悬架 Combined-type composite suspension of air and leaf spring	
	转向器型式 Diverter type	整体循环球式液压力转向器 Whole circulating ball hydraulic power steering gear		
制动装置型式 Brake device type	双回路气压制动 Dual-circuit air braking			
车架 Frame	型式/宽度 (mm) Type/width	槽形直纵梁变截面框架结构/850 Grooved straight girder variable cross-section frame structure/850	工字型截面梯形焊接车架/1170 H section trapezoid welded frame/1170	
	纵梁断面尺寸 (mm) Cross dimensions of longitudinal beam	243/300×80×8	594×90×7	
轮胎 Tyre	14.00R20越野轮胎 14.00R20 Off-road tyre		445/65R22.5-20PR	



• 三代车系列 •

SX2155 SX2150N SX2550

第三代车型——中/重型高机动

The third generation type - medium/heavy high mobility

SX2155高机动全防护战术车辆是以我国第三代高机动军用越野汽车为基础，该车采用电控柴油发动机、机械变速箱（可选自动）、引进德国MAN军车驱动桥技术的双级减速军用车桥、前后悬架采用不等长双横臂变刚度螺旋弹簧独立悬架等，大大提高了车辆的动力性、通过性、行驶平稳性和舒适性，以及信息化水平。车身为分段承载式全装甲钢板焊接结构，“V”型底板设计，合理的车身设计和材料选择，保证了优秀的防护水平，整车防护达到了北约标准化组织4569标准的二级防护水平，该车还可通过披挂制装甲或复合装甲进行防护升级，提高防护等级。陕汽全防护高机动装甲车采用模块化设计，通用性强，可根据用户需求，实现向侦查车、指挥车、通信车、巡逻车、救护车等车型的变型。

SX2150N型军用越野汽车是在我军SX2150型5吨级军用越野汽车基础上根据未来我军需求，通过换装电控发动机、独立悬挂系统等，加装中央充放气系统、CAN总线综合电子控制系统等总成，结合现有汽车工业水平而研发的新一代5吨级中型高机动基型平台。

SX2550型军用越野汽车是根据我军未来作战需求结合现有汽车工业水平研发的33吨级越野汽车。参照三代军车对机动性的要求，重新匹配了动力传动系统，采用欧Ⅲ排放的600马力涡轮增压水冷发动机， Allison 4700PR自动变速器，使整车的动力性大大提升；采用目前国内较为先进的半主动油气平衡独立悬架，全轮转向系统，类分布式的拓扑结构的CAN总线系统，提高了车辆的稳定性、系统安全性等，重要总成均可实现自诊断功能。该车可作为大型武器系统的运输及发射平台，也可以作为牵引平台或作战后勤保障平台。

SX2155 high mobility protection tactic vehicle is developed on the basis of the third generation high mobility military off-road vehicles. The vehicle adopts electronic controlled diesel engine, mechanical transmission (can select automatic transmission) and double-level military reduction axle of introduced MAN drive axle technology. The front and rear suspension adopts unequal length double wishbone spiral spring suspension. It increases greatly mobility, trafficability, driving stationarity, comfort of vehicle and informatization standard. The vehicle body is section bearing full armour welded-steel plate construction, V-type base plate design, reasonable body design and materials selection. It ensures protective level and the vehicle protection reaches the second protection level of NATO standardization 4569. The vehicle is also coated with steel armour or composite armour to upgrade the protection level. Shanqi high mobility protection armoured vehicles adopt modular design and realize modifications from this type to detecting vehicle, command vehicle, communication vehicle, patrol vehicle and ambulance, according to requirements of users.

SX2150N military off-road vehicle is a new generation 5 tons medium high mobility basic type platform which is developed and researched on the basis of our army SX2150 type 5 tons military off-road vehicle, according to our future army demands and combined with current automobile industry. It is replaced and installed electronic-controlled engine and independent suspension system, etc. Added the central inflation system and integrated electronic control system of CAN bus.

SX2550 military off-road vehicle is a 33 tons off-road vehicle which is developed and researched on the basis of our army future operation requirements and combined with current automobile industry. Refer to mobility demands on the third generation military vehicle, it is matched with power transmission system, adopted EURO-III emission 600 hp turbocharged water-cooled engine, and Allison 4700PR automatic transmission to make the vehicle mobility enhanced greatly. It adopts domestic advanced semi-active hydro-pneumatic balanced suspension, all-wheel steering system, and CAN system of distributed topological structure to increase vehicle stability and system security, etc. It is also can be drawing platform or logistics support platform.



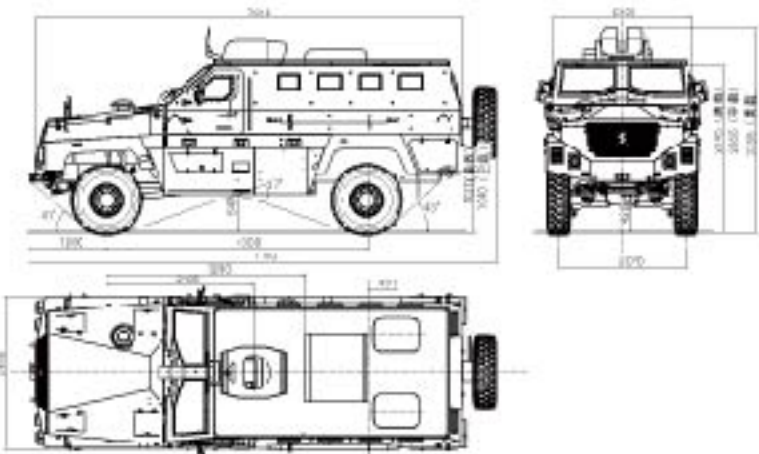
SX2150N



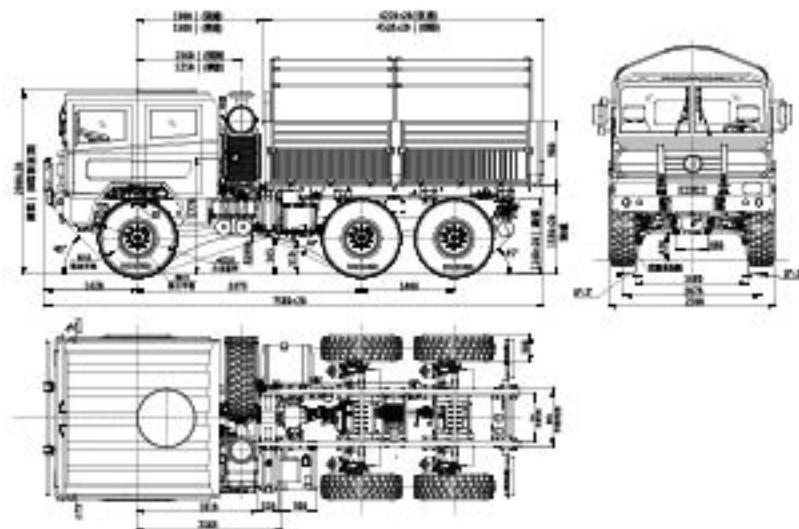
SX2155



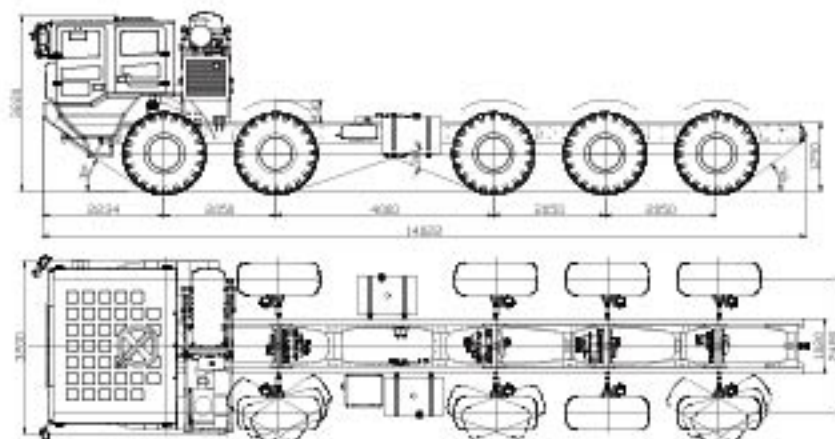
SX2550实车图片



SX2155二维简图



SX2150N二维简图



SX2550二维简图



第三代车型——中/重空高机动 The third generation type - medium/heavy high mobility		车型 Vehicle type		
		SX2155	SX2150N	SX2550
驱动型式 Drive type		4×4	6×6	10×10
驾驶室类型 Cab type		分段承载式全装甲钢板焊接结构, V型底板 Section bearing type full armor welded-steel plate construction, V-type baseplate	军用四开门驾驶室 (齐星) Military four-door cab (Qi Xing)	
驾驶室定员 Rated passenger capacity		12	6	3+1
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	15000	16500	55000
	整备质量 (kg) Kerb mass	13000	10500	22000
	越野装载质量 (kg) Off-road pay mass	2000	5000 (整车Vehicle) /6000 (二类底盘 Type II chassis)	
	公路装载质量 (kg) Highway pay mass	---		
	越野牵引质量 (kg) Off-road tractive tonnage	---	6500	---
尺寸参数 Dimension parameters	外形尺寸 (长×宽×高) (mm) (空载/满载) Overall dimensions (length×width×height) (mm) (no-load/full-load)	7710×2500×3385	7600×2500×2920	14022×3200×3270可调 (满载) Adjusted (full load)
	轴距/wheelbase (mm)	4300	3375+1400	2050+4000+2050+2050
	最大允许上装使用纵梁长度 (mm) The maximum allowable longitudinal beam length	---	4200 (可根据客户要求调整 Adjusted by customer requirements)	11000
	车架上翼面离地高度 (mm) (空载/满载) The ground clearance of frame upper surface (no-load/full load)	---	1140±30 (满载Full load)	1250±30 (满载Full load)
性能参数 Performance parameters	最高车速 (km/h) Maximum speed	<105	<103 (配手动变速器 With manual transmission) <106 (配自动变速器 With automatic transmission)	
	最大爬坡度 (%) Maximum gradability	<60		<40
	最小离地间隙 (mm) Minimum ground clearance	<400		<460
	接近角/离去角 (°) Approach angle/departure angle	<41/<43	<45/<45	
	涉水深度 (mm) Forging depth	<1200		
	最小转弯直径 (m) Minimum turning diameter	>17.5	>19	>26

	限定工况下燃油消耗量 (L/100km) Fuel consumption under limited working condition	>30	>35	>85
	燃油箱容积 (L) Fuel tank volume	220	220+80	800
发动机 Engine	型号 Model	WP10.336		ISXe600 31
	额定功率/转速 (KW/r/min) Rated power/rotating speed	247/2200		447/2000
	最大扭矩/转速(N·m/r/min) Maximum torque/rotating speed	1250/1200-1600		2237/1100-1900
离合器型式 Clutch type	FD430L28型膜片弹簧拉式离合器 Pull-type diaphragm spring clutch	Φ430mm膜片弹簧单片干式带扭减震器 Φ430mm diaphragm spring single-plate, dry damper with torsion.	---	
变速器型号 Transmission model	9JS150T-B	9JS150T-B/FC6A1805 (自动automatic)		Allison 4700PR
分动器型号 Transfer case model	ZQC1300			VG2700
驱动桥型式 Drive axle type	铸钢桥壳, 断开式轮边行星减速驱动桥 Cast steel axle case, breakaway wheel planetary reduction drive axle			断开式驱动桥, 主减速器+轮边行星减速驱动桥, 带轮差及轴差 Breakaway drive axle, main reducing gear+wheel planetary reduction drive axle, with wheel and axle differential
悬架 Suspension	双横臂螺旋弹簧独立悬架 Double wishbone spiral spring independent suspension			油气平衡双横臂独立悬架 Oil-gas balance double wishbone independent suspension
转向器型式 Diverter type	断开式前置梯形液压助力转向系统 Breakaway front trapezoidal hydraulic power steering system	循环球转向器带液压助力转向系统 Recirculating ball steering gears with hydraulic power steering system	液压助力全轮转向系统 Hydraulic power assisted all-wheel steering system	
制动装置型式 Brake device type	双回路气压制动 double-loop air brake			
车架 Frame	型式/宽度 (mm) Type/width	---	矩形断面直纵梁框架结构/860 Straight longitudinal beam frame structure of rectangle fracture surface/860	"Z"型直纵梁等截面框架结构/1020 Z-type constant section frame structure of straight longitudinal beam
	纵梁断面尺寸 (mm) Cross dimensions of longitudinal beam	---	260×80×5	362×112×12
轮胎 Tyre	395/85 R20子午线无内胎低压越野轮胎 395/85R20 Radial tubeless low tension off-road tyre	395/85R20 无内胎子午线轮胎 395/85R20 Radial tyre of tubeless	1500×600-635	



• 军用越野牵引车 •

SX4323 SX4323A SX4260 SX4400

军用越野牵引车

Shanqi military off-road tractor

SX4323/SX4323A型25吨/40吨军用越野牵引汽车是顺应现代战争对超重、超长、超宽装备的要求而开发的全轮驱动牵引汽车，具有较强的越野行驶性能，越野牵引质量分别为25吨/40吨，该车可牵引武器装备，为野外作业部门运输工程机械、笨重设备等。整车性能可靠，加装的液压绞盘可牵引故障装备上车，满足各部门对设备抢修转移的需求。

SX4260型军用越野牵引汽车是在我军第二代7吨级军用越野汽车基础上，加装牵引鞍座而开发的一款车型，并重新优化匹配了动力传动系统。该车具有较强的越野行驶性能，可为野外作业部门运送工程机械、笨重设备、牵引装载武器装备等。

SX4400型军用越野牵引汽车是顺应现代战争对超重、超长、超宽装备的要求而自主研发设计的一款宽体8×8型牵引汽车，具有较强的越野行驶性能，最大允许汽车列车总质量100吨，允许鞍座承载质量近24吨。该车可牵引装载武器装备，为野外作业部门运输工程机械、笨重设备等，整车性能可靠，满足各部门对设备抢修转移的需求。该车型是空军系统指定用车底盘，主要牵引重型武器装备；是C-300地空导弹防御系统牵引装备的国产化用车。

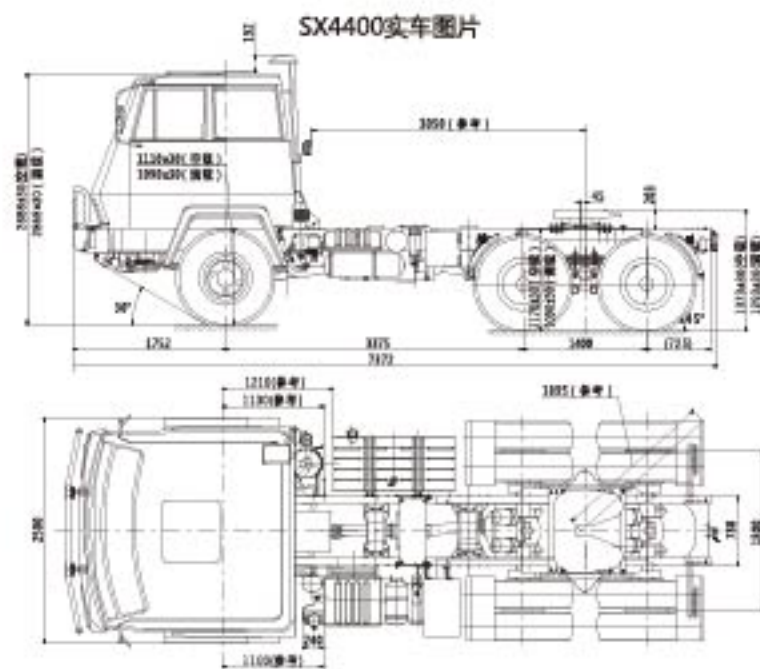
SX4323/SX4323A 25/40 tons military off-road tractor is a type of self-researched and developed all-wheel drive tractor, which is satisfied and complied with demands of overweight overlength and overwidth equipments in modern war. It has a better off-road performance. The traction qualities respectively are 25/40 tons. The vehicle can drag weapons and transport engineering machinery, heavy equipments for field work. The vehicle performance is reliable. The added hydraulic winch can drag failure equipments and satisfy demands of equipment repaired and transfered for each department.

SX4260 military off-road tractor is developed on basis of our army second generation 7 tons military off-road vehicle. It is installed drawing saddle and optimized and matched with power transmission system. The vehicle has better off-road driving performance, and can transport engineering machinery, heavy equipments and drawing weapons for field working department, etc.

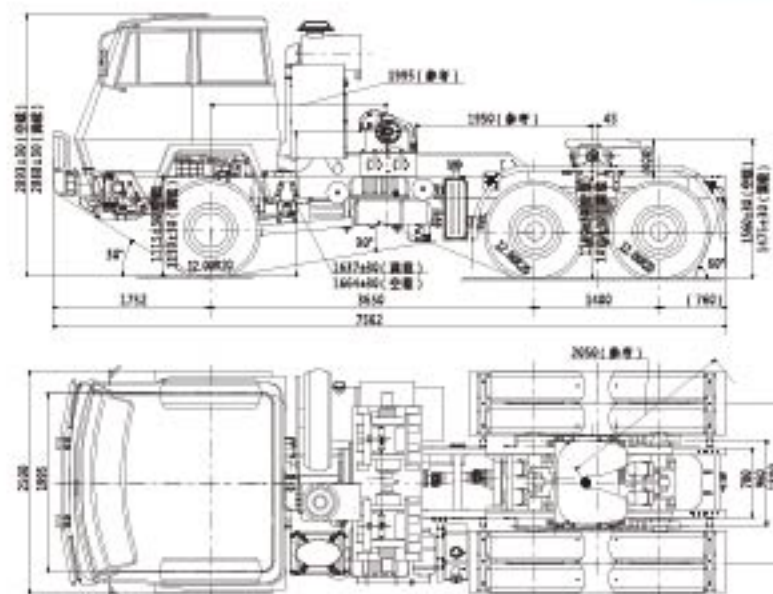
SX4400 military off-road tractor is a type of self-researched and developed expanded 8×8 tractor, which is satisfied and complied with demands of overweight overlength and overwidth equipments in modern war. It has a better off-road performance and the maximum allowable total mass of combination vehicles is 100 tons. The allowable load capacity of saddle reaches 24 tons. The vehicle can draw and load weapons, and transport engineering machinery, heavy equipments for field work. The vehicle performance is reliable and can satisfy demands of equipment repaired and transfered for each department. The vehicle is assigned chassis and main drawing heavy weapon in air force system. It is also domestic vehicle of traction equipments in C-300 surface-to-air missiles defense system.



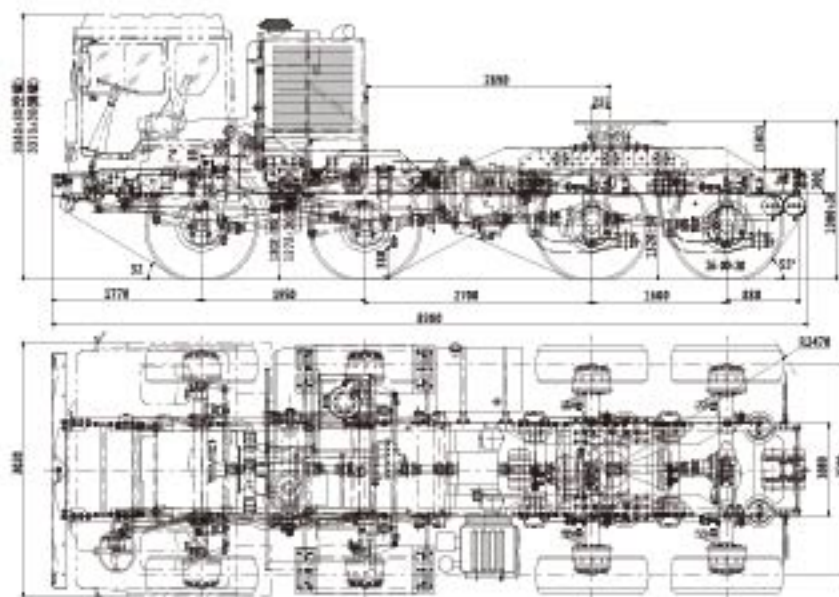
SX4400实车图片



SX4260二维简图



SX4323二维简图



SX4400二维简图



SX4323



军用越野牵引车 Shanqi military off-road tractor		车型 Vehicle type			
		SX4323	SX4323A	SX4260	SX4400
驱动型式 Drive type		6×6			8×8
驾驶室类型 Cab type		斯太尔加长型驾驶室 Steyr extended cab			军用两开门驾驶室(齐星) Military two-door cab (Qi Xing)
驾驶室定员 Rated passenger capacity		5			2
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	32000		26000	40000
	整备质量 (kg) Kerb mass	12800	13250	9750	16100
	鞍座最大允许压量 (kg) The maximum allowable weight of saddle	18855	18405	15905	23750
	汽车列车最大设计质量 (kg) The maximum design mass of combination vehicles	53000	69000	40000	100000
尺寸参数 Dimension parameters	外形尺寸(长×宽×高)(mm)(空载/满载) Overall dimensions (length×width×height) (mm) (no-load/full-load)	7562×2500×2893 ±30/2888±30	7562×2500×2988 ±30/2986±30	7372×2500×2888 ±30/2868±30	8980×3020×3340 ±30/3310±30
	轴距 (mm) Wheelbase	3650+1400		3375+1400	1950+2700+1600
	鞍座上平面离地高度 (mm)(空载/满载) The ground clearance of saddle upper surface	1560±30/1475±30		1373±30/1293±30	1900±30 (空载 No-load)
	车架上平面离地高度 (mm)(空载/满载) The ground clearance of frame upper surface	1160±30/1075±30		1170±30/1090±30	1320±30 (空载 No-load)
性能参数 Performance Parameters	最高车速 (km/h) Maximum speed	<85	<80	<72	<60
	最大爬坡度 (%) Maximum gradability	<18	<13	<30	<27
	最小离地间隙 (mm) Minimum ground clearance	<290			<325
	接近角/离去角 (°) Approach angle/departure angle	<30/<60		<30/<45	<32/<55
	涉水深度 (mm) Fording depth	<1000		<800	<1200
	最小转弯直径 (m) Minimum turning diameter	>20		>19	>24
	限定工况下燃油消耗量 (L/100km) Fuel consumption under limited working condition	>55	>60	>50	>80
燃油箱容积 (L) Fuel tank volume	400+70		400		

发动机 Engine	型号 Model	WD615.46	ISM450	WD615.31	BF8M1015C
	额定功率/转速 (KW/r/min) Rated power/rotating speed	266/2200	336/1800	225/2200	400/2100
	最大扭矩/转速(N·m/r/min) Maximum torque/rotating speed	1460/1100-1600	1996/1200	1250/1300-1600	2200/1300
离合器型式 Clutch type	离合器型式 Clutch type	Φ430mm膜片弹簧单片干式带扭转减振器 Φ430mm Diaphragm spring single-plate, dry damper with torsion.	---	Φ420mm圆锥螺旋弹簧单片干式带扭转减振器 Φ420mm Spiral spring single-plate, dry damper with torsion.	VALEO Φ430mm膜片弹簧单片干式带扭转减振器 VALEO Φ430mm diaphragm spring single-plate, dry damper with torsion.
	变速器型号 Transmission model	RT-11509C	16S221+WSK400	RT-11509C	9JS220
	分动器型号 Transfer case model	ZQC2000		ZQC1200	ZQC2800
驱动桥型式 Drive axle type	驱动桥型式 Drive axle type	冲压焊接桥壳, 中央主减速器, 带轮边行星齿轮减速器双级减速驱动桥 Stamping and welding axle case, central main retarder, with wheel planetary reducer double-class reducing drive axle			铸钢桥壳, 中央主减速器, 带轮边行星齿轮减速器双级减速驱动桥 Cast steel axle case, central main retarder, with wheel planetary reducer double-class reducing drive axle
	悬架 Suspension	钢板弹簧式悬架 Leaf spring suspension			前悬架: 钢板弹簧式悬架 Front suspension: leaf spring suspension 后悬架: AD130-380型空气悬挂 (NEWAY) Rear suspension: Ad130-380 type air suspension
	转向器型式 Diverter type	整体循环球式液压力转向器 Whole circulating ball hydraulic power steering gear			
制动装置型式 Brake device type	双回路气压制动 Double-loop air brake				
车架 Frame	型式/宽度 (mm) Type/width	槽形直纵梁等截面框架结构/780 Constant section frame structure of groove straight longitudinal beam			槽形直纵梁等截面框架结构/1080 Constant section frame structure of groove straight longitudinal beam
	纵梁断面尺寸 (mm) Cross dimensions of longitudinal beam	243×80×8			300×80×8
轮胎 Tyre	12.00R20		11.00R20	16.00-20	



• 载货汽车 •

SX1254BM434/464 SX1165JM SX1254JT

载货汽车

Shanqi civil truck

SX1254BM434/464型军用非越野载货汽车二类底盘是在引进奥地利斯太尔91系列重型汽车技术的基础上,进行适应性改进而研发的车型,主要用于军用装备的公路机动运输。

SX1165JM型军用非越野载货汽车是为满足我军后勤装备的需求,在SX1254BM464(4×2)的基础上,优化轴距,通过换装军用德龙F3000驾驶室,国三电控发动机等,重新匹配动力传动系统而开发的10吨级载货汽车。该车适用于后勤保障装备等,如炊事车、运净水车、淋浴车等。

SX1254JT型军用非越野载货汽车是为满足我军后勤装备的需求,在O43的基础上,优化轴距,通过换装军用德龙F3000驾驶室,国三电控发动机等,重新匹配动力传动系统而开发的22吨级载货汽车。该车适用于后勤保障装备等,如运加油车等。

SX1254BM434/464 military truck is researched and developed on the basis of introduced Austria Steyr 91 series heavy vehicles technology. It is mainly uses for road transportation of military equipments.

SX1165JM military truck is researched and developed on the basis of SX1254BM464(4×2) to satisfy demands of logistics equipment in army. It has optimized the wheelbase, replace and install the military D'long F3000 cab and National III electronic-controlled engine, etc. It is a 10 tons truck which is matched with power transmission system. The vehicle is used for security equipments, such as kitchen truck, water tanker and shower vehicle, etc.

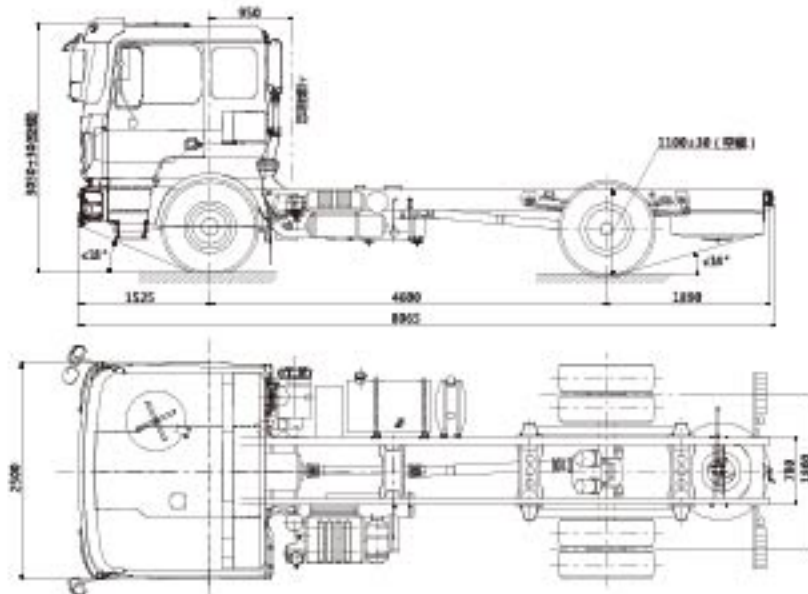
SX1254JT military truck is researched and developed on the basis of O43 to satisfy demands of logistics equipment in army. It has optimized the wheelbase, replace and install the military D'long F3000 cab and National III electronic-controlled engine, etc. It is a 22 tons truck which is matched with power transmission system. The vehicle is used for security equipments, such as transport the fuelling vehicle, etc.



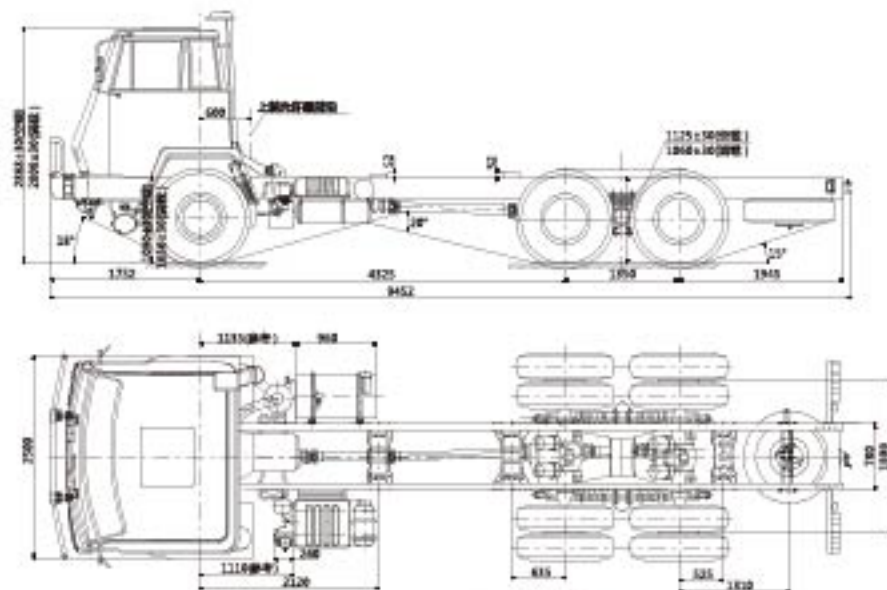
SX1254JT



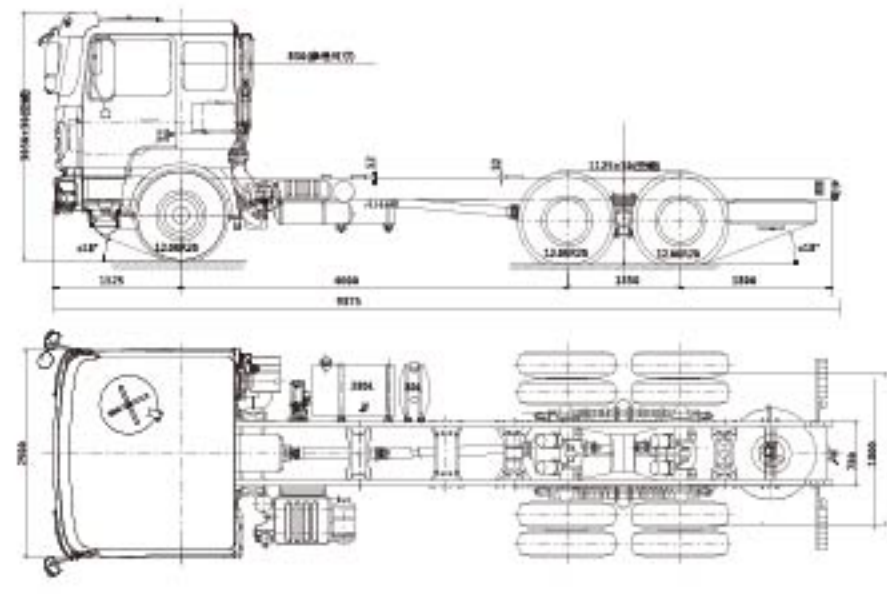
SX1165JM实车图片



SX1165JM二维简图



SX1254BM434二维简图



SX1254JT二维简图



载货汽车 Shanqi civil truck		车型 Vehicle type				
		SX1254BM434	SX1254BM464	SX1165JM	SX1254JT	
驱动型式 Drive type		6×4		4×2	6×4	
驾驶室类型 Cab type		斯太尔标准型驾驶室 Steyr standard cab		军用德龙F3000驾驶室 Military D'long F3000 cab		
驾驶室定员 Rated passenger capacity		2				
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	32000		18000	32000	
	整备质量 (kg) Kerb mass	8830	8980	7300	9300	
	公路装载质量 (kg) Highway pay mass	23020	22870	10000	22000	
尺寸参数 Dimension parameters	外形尺寸 (长×宽×高) (mm) (空载/满载) Overall dimensions (length×width×height) (mm) (no-load /full-load)	9452×2500×2868 ±30/2808±30	10252×2500×2868 ±30/2808±30	8070×2500×3050 ±30(空载No-load)	9100×2500×3050 ±30(空载 No-load)	
	轴距 (mm) Wheelbase	4325+1350	4600+1350	4600	4325+1350	
	最大允许上装使用纵梁长度 (mm) Maximum authorized mounted longitudinal beam length	7020	7850	5540	6525	
	车架上表面离地高度 (mm) (空载/满载) Ground clearance of upper surface of frame (no-load /full-load)	1125±30/1060±30	1125±30/1060±30	1100±30(空载 No-load)	1125±30 (空载 No-load)	
性能参数 Performance parameters	最高车速 (km/h) Maximum speed	≤90		≤100	≤90	
	最大爬坡度 (%) Maximum gradability	≤30				
	最小离地间隙 (mm) Minimum ground clearance	≥295		----		
	接近角/离去角 (°) Approach angle/departure angle	≤18/≤15	≤18/≤18	≤18/≤14	≤18/≤18	
	最小转弯直径 (m) Minimum turning diameter	≥23	≥24	≥20	≥23	
	限定工况下燃油消耗量 (L/100km) Fuel consumption under limited working condition	≥45		----		
	燃油箱容积 (L) Fuel tank volume	200	280+60	280+80	280	
配置参数 Configuration parameters	发动机 Engine	型号 Model	WD615.50	WD615.31	WP10.290	WP10.375
		额定功率/转速 (KW/r/min) Rated power/rotating speed	206/2200	225/2200	213/2200	276/2200

配置参数 Configuration parameters	最大扭矩/转速(N·m/r/min) Maximum torque/ rotating speed	1160/1100 ~ 1600	1250/1300 ~ 1600	1160/1200 ~ 1600	1460/1200 ~ 1600	
	离合器型式 Clutch type	Φ430mm膜片弹簧单片干式带扭转减震器 Φ430mm diaphragm spring single-plate, dry damper with torsion.				
	变速器型号 Transmission model	RT-11509C		9JS135TB	9JS150TA-B	
	驱动桥型式 Drive axle type	冲压焊接桥壳, 中央主减速器、带轮边行星 齿轮减速器双级减速驱动桥 Stamping and welding axle case, central main retarder, with wheel planetary reducer double-class reducing drive axle		冲压焊接桥壳, 中央主减速器、带轮边行星 齿轮减速驱动桥 Stamping and welding axle case, central main retarder, with wheel planetary reducer double-class reducing drive axle		
	悬架 Suspension	钢板弹簧式悬架 Leaf spring suspension				
	转向器型式 Diverter type	整体循环球式液压力转向器 Whole circulating ball hydraulic power steering gear				
	制动装置型式 Brake device type	双回路气压制动 Double-loop air brake				
	车架 Frame	型式/宽度 (mm) Type/width	槽形直纵梁等截面框架结构/780 Constant section frame structure of groove straight longitudinal beam/780	"J"形断面纵梁/780 J-type fracture surface longitudinal beam	槽形直纵梁等截面 框架结构/780 Constant section frame structure of groove straight longitudinal beam/780	
		纵梁断面尺寸 (mm) Cross dimensions of longitudinal beam	243×80×8			
		轮胎 Tyre	12.00-20(纵向花纹) 12.00-20 (Longitudinal pattern)		12.00R20	



· 载货汽车 ·

SX1165NM561 SX1315JT366 SX1380A

载货汽车
Shanqi civil truck

SX1165NM561型军用非越野载货汽车是为满足我军后勤装备的需求，在原斯太尔技术平台的基础上，通过换装军用德龙F3000驾驶室，国三电控发动机等，重新匹配动力传动系统而开发的7吨级载货汽车。该车型主要适用于后勤野外保障装备等，如杂件收集运输任务等。

SX1315JT366型运输车是根据我军对现役高原运输车的要求，陕汽在成熟商用车基础上进行适应性设计，以满足高原运输需求。该车型主要应用于运载武器装备、营房建材及部队后勤保障物资等。

SX1380A型军用非越野载货汽车二类底盘是为满足部队及专用车市场需求，利用引进技术自行研制开发的大型专用载货汽车底盘，是我军20英尺集装箱自装卸车专用底盘，主要用于军用装备的公路机动运输，也可作为各军兵种改装专用车辆提供基型底盘。

SX1165NM561 military truck is designed and developed on the basis of original steyr technology platform to satisfy demands of logistics equipment. It is replaced and installed military D'long F3000 cab and National III electronic-controlled engine, etc. It is a 7 tons truck and matched with power transmission system. The vehicle type mainly use for security equipments, such as goods collection and transportation.

SX1315JT366 transportation vehicle is designed and developed on the basis of commercial vehicle to satisfy demands of plateau transportation, according to demands on existing plateau transportation trucks. The vehicle type mainly use for carry weapons, building materials and security equipments, etc.

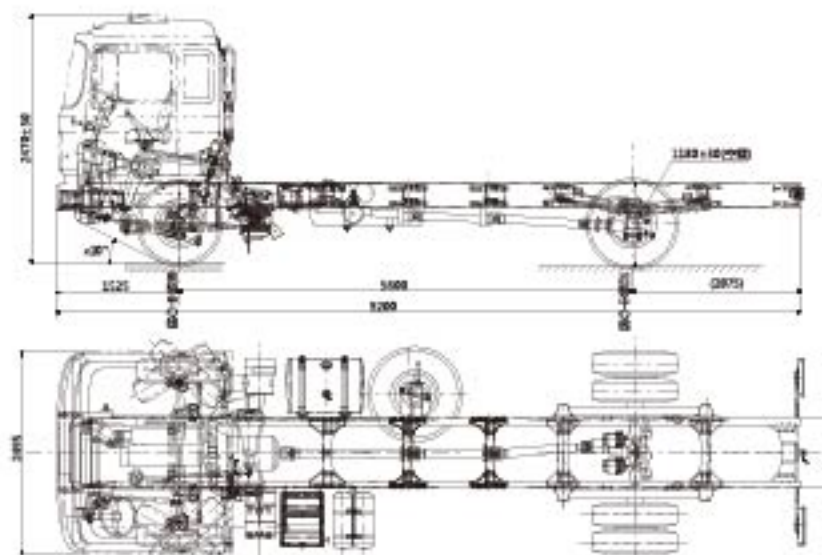
The type II chassis of SX1380A is researched and developed to satisfy demands of army and exclusive vehicle market, which is self-developed a large special truck chassis by introduced technology. It is a special chassis in our army for 20 feet container dumper and mainly uses for road transportation of military equipments. It is also as basic type of chassis for refitted vehicles.



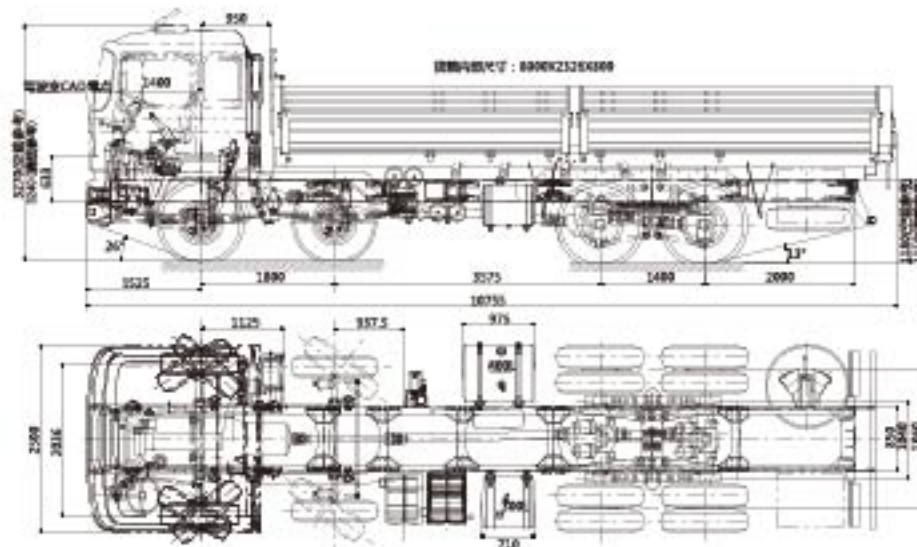
SX1315JT366



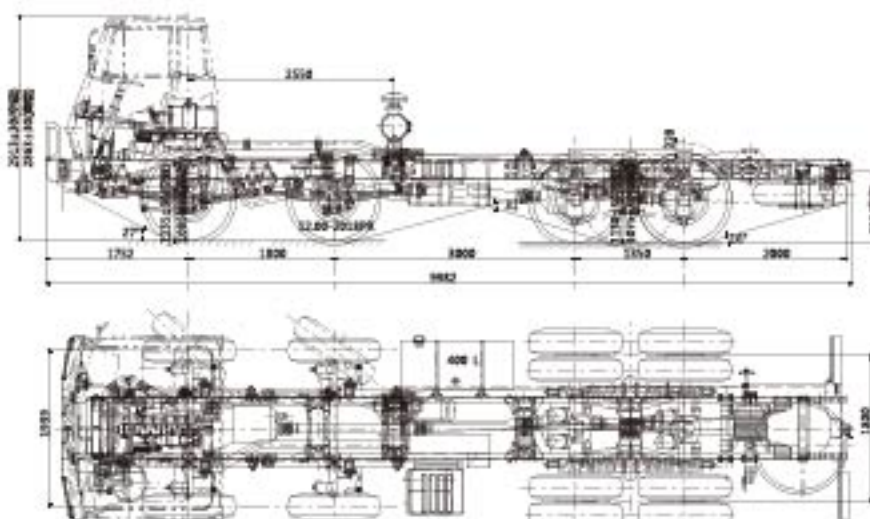
SX1165NM561实车图片



SX1165NM561二维简图



SX1315JT366二维简图



SX1380A二维简图



载货汽车 Shanqi civil truck		车型 Vehicle type			
		SX1165NM561	SX1315JT366	SX1380A	
驱动型式 Drive type		4×2	8×4		
驾驶室类型 Cab type		军用德龙F3000驾驶室 Military D'long F3000 cab		斯太尔标准型驾驶室Steyr standard cab	
驾驶室定员 Rated passenger capacity		2	3	2	
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	16000	40000	38000	
	整备质量 (kg) Kerb mass	9500	15000	10100	
	公路装载质量 (kg) Highway pay mass	6500	24785	27750	
尺寸参数 Dimension parameters	外形尺寸 (长×宽×高) (mm) (空载/满载) Overall dimensions (length×width×height) (mm) (no-load /full-load)	9200×2495×3470	10755×2500×3270/3240±30	9982×2500×2913±30/2863±30	
	轴距 (mm) Wheelbase	5600	1800+3575+1400	1800+3000+1350	
	最大允许上装使用纵梁长度 (mm) Maximum authorized mounted longitudinal beam length	6400	7825	7550(带进气扁管 With air intake flat tube) , 6850 (带液压备胎架With hydraulic spare wheel carrier)	
	车架上表面离地高度 (mm) (空载/满载) Ground clearance of upper surface of frame (no-load /full-load)	1180±30 (空载 No-load)	1180±30/1050±30	1130±30/1075±30	
性能参数 Performance parameters	最高车速 (km/h) Maximum speed	≤99	≤80	≤76	
	最大爬坡度 (%) Maximum radability	≤22	≤20	≤30	
	最小离地间隙 (mm) Minimum ground clearance	---	≥295		
	接近角/离去角 (°) Approach angle/departure angle	≤18/≤12	≤20/≤13	≤27/≤16	
	最小转弯直径 (m) Minimum turning diameter	---	≥24		
	限定工况下燃油消耗量 (L/100km) Fuel consumption under limited working condition	---	≥63	≥50	
	燃油箱容积 (L) Fuel tank volume	400	400+300	400	
配置参数 Configuration parameters	发动机 Engine	型号 Model	WP10.290	WP10.375	WD615.31
		额定功率/转速 (KW/r/min) Rated power/rotating speed	213/2200	276/2200	225/2200

		最大扭矩/转速(N·m/r/min) Maximum torque/ rotating speed	1160/1200 – 1600	1460/1200 – 1600	1250/1300 – 1600
		离合器型式 Clutch type		Φ430mm膜片弹簧单片干式带扭转减振器 Φ430mm diaphragm spring single-plate, dry damper with torsion.	Φ420mm周置螺旋弹簧单片 干式带扭转减振器 Φ420mm spiral diaphragm spring single-plate,dry damper with torsion.
变速器型号 Transmission model		9JS119	9JS150T-B	RT-11509C	
驱动桥型式 Drive axle type		汉德斯特尔13吨 双级减速桥 (轮边减速) Hande steyr 13 tons double-level reducing axle(wheel reduction)	冲压焊接桥壳, 中央主减速器、带轮边 行星齿轮减速器双级减速驱动桥 Stamping and welding axle case, central main retarder, with wheel planetary reducer double-class reducing drive axle		
悬架 Suspension		钢板弹簧式悬架 Leaf spring suspension			
转向器型式 Diverter type		整体循环球式液压力转向器 Whole circulating ball hydraulic power steering gear			
制动装置型式 Brake device type		双回路气压制动 Double-loop air brake			
车架 Frame	型式/宽度 (mm) Type/width	槽形直纵梁等截面框架结构/850 Constant section frame structure of groove straight longitudinal beam		槽形直纵梁等截面框架结构/780 Constant section frame structure of groove straight longitudinal beam	
	纵梁断面尺寸 (mm) Cross dimensions of longitudinal beam	300×80×8		243×80×8	
轮胎 Tyre		12.00R20子午线轮胎 12.00R20 Radial tyre	12.00R20全钢丝子午线轮胎 12.00R20 All wire radial tyre	12.00-20越野花纹轮胎 12.00-20 Off-road pattern tyre	



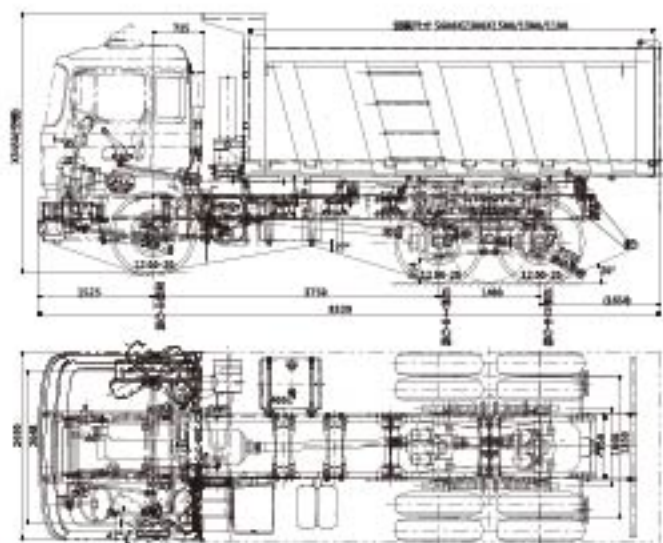
自卸车

SX3255DR384

自卸车 Shanqi civil dumper

SX3255DR384型军用非越野自卸车是根据军队的使用需求, 陕汽对成熟民用自卸车底盘进行适应性设计, 以满足各军兵种的需求, 最大总质量25吨。该车型广泛应用于工程建设领域, 如土方、碎石等材料的运输。

SX3255DR384 military dumper is designed and developed on the basis of civil dumper chassis as army demands. The maximum total mass is 25 tons. The vehicle type is widely used in engineering construction field, such as earth, stones and other materials transportation.



SX3255DR384二维简图

自卸车 Shanqi civil dumper		车型 Vehicle type	
		SX3255DR384	
驱动型式 Drive type		6×4	
驾驶室类型 Cab type		民用德龙F3000驾驶室 Civil D'long F3000 cab	
驾驶室定员 Rated passenger capacity		2	
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	25000	
	整备质量 (kg) Kerb mass	12200	
	额定载质量 (kg) Rated load mass	12670	
尺寸参数 Dimension parameters	外形尺寸 (长×宽×高) (mm) Dimension (length × width × depth)	8354×2490×3450	
	货箱尺寸 (长×宽×高) (mm) Packing case dimension (length × width × depth)	5600×2300×1500	
	轴距 (mm) Wheelbase	3775+1400	
性能参数 Performance parameters	最高车速 (km/h) Maximum speed	<80	
	接近角/离去角 (°) Approach angle/departure angle	<28/<30	
	燃油箱容积 (L) Fuel tank volume	400	
配置参数 Configuration parameters	发动机 Engine	型号 Model	WP10.336
		额定功率/转速 (KW/r/min) Rated power/rotating speed	247/2200
		最大扭矩/转速(N·m/r/min) Maximum torque/ rotating speed	1250/1200 ~ 1600
	离合器型式 Clutch type	Φ430mm膜片弹簧单片干式带扭转减振器 Φ430mm diaphragm spring single-plate, dry damper with torsion.	
	变速器型号 Transmission model	10JSD140	
	驱动桥型式 Drive axle type	汉德MAN技术16吨铸造 Hande MAN technology 16 tons casting	
	悬架 Suspension	钢板弹簧式悬架 Leaf spring suspension	
	转向器型式 Diverter type	整体循环球式液压力转向器 Whole circulating ball hydraulic power steering gear	
	制动装置型式 Brake device type	双回路气压制动 Double-loop air brake	
	车架 Frame	型式/宽度 (mm) Type/width	槽形直纵梁等截面车架结构/850 Constant section frame structure of groove straight longitudinal beam
纵梁断面尺寸 (mm) Cross dimensions of longitudinal beam		300×80×7	
轮胎 Tyre	12.00R20子午线轮胎 12.00R20 Radial tyre		





• 牵引车及半挂车 •

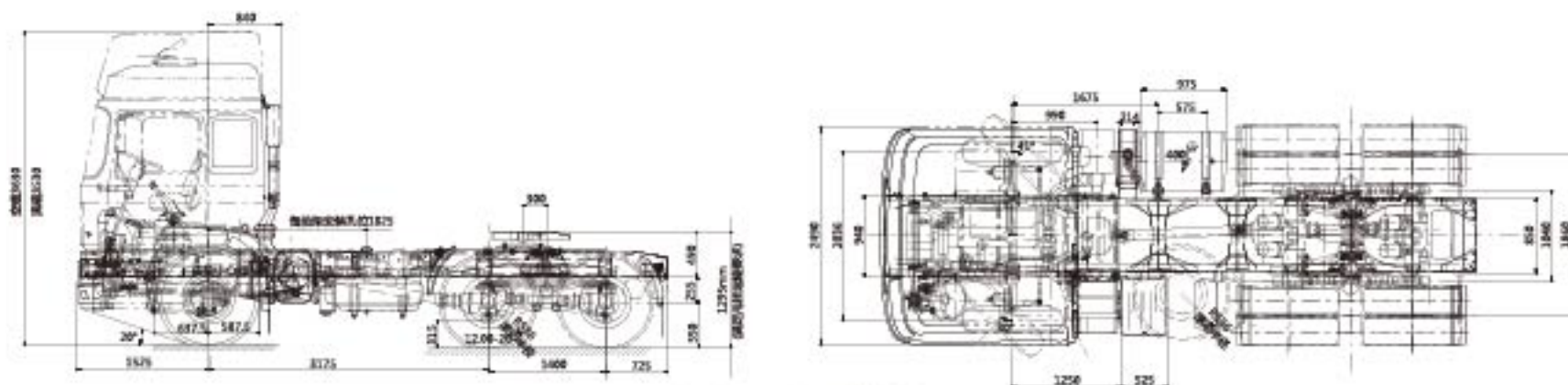
SX4255NT324+13米半挂车

牵引车及半挂车

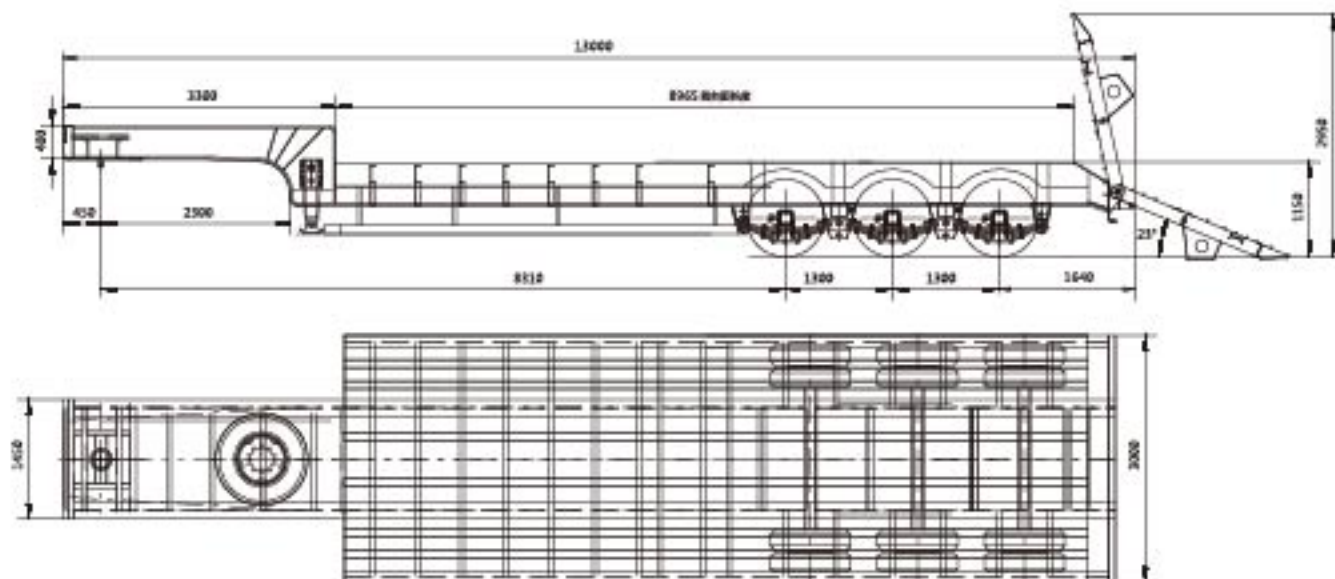
Shanqi civil tractor and semi-trailer

SX4255NT324型非越野牵引车是根据我军使用需求,在陕汽成熟民用牵引车基础上进行适应性设计,以满足各军兵种的需求,准牵引质量39000kg,可和半挂车匹配,组成汽车列车,主要应用于军队工程机械等中、重型装备的公路运输。

SX4255NT324 tractor is designed and developed on the basis of civil tractor as army demands. The tow weights are 39000kg. It can be matched with semi-trailer to form combination vehicles and mainly use for road transportation of construction machines, medium and heavy equipment in army.



SX4255NT324二维简图



13米半挂车二维简图



牵引车及半挂车 Shanqi civil tractor and semi-trailer		车型 Vehicle type SX4255NT324	
驱动型式 Drive type		6×4	
驾驶室类型 Cab type		民用德龙F3000驾驶室 Civil D'long F3000 cab	
驾驶室定员 Rated passenger capacity		2	
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	25000	
	整备质量 (kg) Kerb mass	10000	
	鞍座最大允许压重 (kg) The maximum allowable weight of saddle	15000	
	准牵引质量 (kg) Tractive weight	39000	
尺寸参数 Dimension parameters	外形尺寸 (长×宽×高) (mm) Dimension (length ×width ×depth)	6825×2490×3630	
	轴距 (mm) Wheelbase	3175+1400	
	鞍座上平面离地高度 (mm) (空载/满载) The ground clearance of saddle upper surface (no-load/full load)	1400±30(空载No-load)	
性能参数 Performance parameters	最高车速 (km/h) Maximum speed	<78	
	接近角/离去角 (°) Approach angle/departure angle	<20/<60	
	燃油箱容积 (L) Fuel tank volume	400	
配置参数 Configuration parameters	发动机 Engine	型号 Model	WP12.375N
		额定功率/转速 (KW/r/min) Rated power/rotating speed	276/1900
		最大扭矩/转速(N·m/r/min) Maximum torque/ rotating speed	1800/1000 ~ 1400
	离合器型式 Clutch type	Φ430mm膜片弹簧单片干式带扭转减振器 Φ430 mmdiaphragm spring single-plate,dry damper with torsion.	
	变速器型号 Transmission model	12JSD180T	
驱动桥型式 Drive axle type	汉德MAN技术13吨双级 Hande MAN technology 13 tons double-level		

配置参数 Configuration parameters	悬架 Suspension	钢板弹簧式悬架 Leaf spring suspension	
	转向器型式 Diverter type	整体循环球式液动力转向器 Whole circulating ball hydraulic power steering gear	
	制动装置型式 Brake device type	双回路气压制动 Double-loop air brake	
	车架 Frame	型式/宽度 (mm) Type/width	槽型变截面车架结构/850 Groove variable cross-section frame structure
		纵梁断面尺寸 (mm) Cross dimensions of longitudinal beam	300×80×(8+5)
轮胎 Tyre	12.00R20子午线轮胎 12.00R20 Radial tyre		
13米半挂车 13m semi-trailer	外形尺寸: 13400×3000 (mm); 富华13T加长车桥3根; 4S/2MABS; 8.25R20-14轮胎12条; 6.5钢圈12只; 4双2单气室; 10片钢板弹簧; 28T单动支腿; 双簧爬梯; 货台面为内凹式, 内凹部分<5100mm, 轮胎不外露, 含一条备胎。		
	Dimension: 13400× 3000 (mm) ; 3 Fuhua 13T lengthened axle, 4S/2MABS ; 12 8.25R20-14 tyres; 12 6.5 steering ring 4 pairs of 2 single air chamber, 10 pieces of leaf spring , 28T single support, double spring ladder, the table is recessed, the recessed part < 5100mm, the tyres are not reveal, equipped with one spare wheel.		



• SX9070越野全挂车 •

SX9070

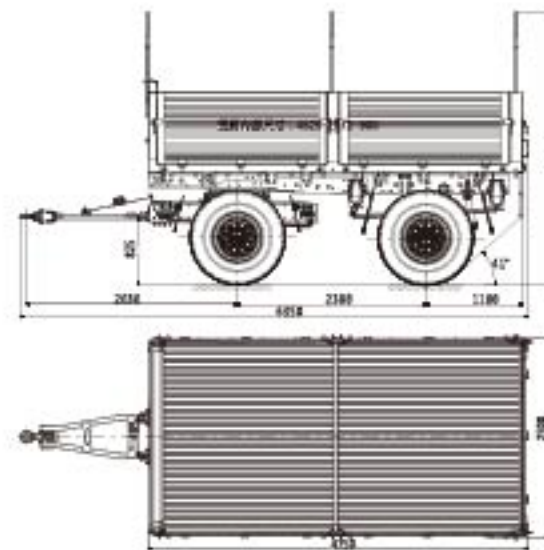
SX9070越野全挂车 Shanqi SX9070 off-road trailer

SX9070型越野全挂车是在二代越野军车技术平台的基础上，展开设计的一款全拖挂、双轴，前轴可转向、带货箱的挂车，该挂车配备双回路行车制动和弹簧储能断气制动，且具备甩挂功能，与通用战术车辆配合，可构成有效的运输机动平台，用于随行物资和装备输送等任务。

SX9070 off-road trailer is designed and developed on the basis of the second generation off-road military vehicles. It has full traction-driven, double-shaft and steering front shaft. The trailer is equipped with double loop service brake and spring actuated and air out-off brake. It has drop and pull function. If matched it with general tactical vehicles, it can forms an effective transportation platform and used for materials and equipments transportation.



SX9070实车图片



SX9070二维简图

SX9070越野全挂车 Shanqi SX9070 off-road trailer		车型 Vehicle type SX9070越野全挂车 Off-road trailer
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	>7500
	整备质量 (kg) Kerb mass	3990
	装载质量 (kg) Loading weight	3500
尺寸参数 Dimension parameters	外形尺寸 (长×宽×高) (无篷布/带篷布) (mm) Dimension (length ×width ×depth) (no-load/full load) (with cover / without cover)	6350×2500×2650/3350
	轴距 (mm) Wheelbase	2380
	轮距 (mm) Wheel track	2100
性能参数 Performance parameters	最高车速 (km/h) Maximum speed	90
	最大爬坡度(%) Maximum gradeability	40
	最小离地间隙 (mm) Minimum ground clearance	330
	离去角 (°) Departure angle	41
	涉水深度 (mm) Forging depth	1200



SX5256TSM

· 沙漠载货车 ·

SX5156TSM SX5256TSM

沙漠载货车

All-wheel-drive vehicle - desert truck

SX5156TSM型4×4沙漠车是针对我国沙漠工况专门开发的一款用于沙漠腹地小吨位货物运输的越野车辆，该车在军车底盘全驱优势的基础上，采用潍柴蓝擎发动机、民用德龙F3000驾驶室、超强抗扭车架、多级过滤系统、液压助力转向装置等国内顶级配置，在沙漠勘探中动力充足、转向灵活、可靠性高、乘坐舒适，适用于各种沙漠工况中5~10吨的货物运输。该车型可改装成沙漠炸药车等。

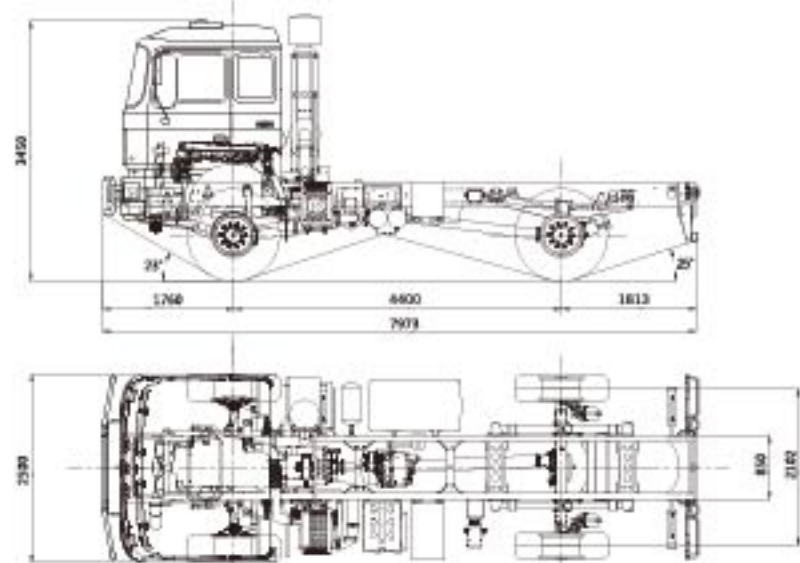
SX5256TSM型6×6沙漠车是针对我国沙漠工况专门开发的一款用于沙漠腹地大吨位货物运输的越野车辆，该车适用于各种沙漠工况中10~15吨的货物运输。该车型可改装成沙漠运油车、沙漠运水车等。

SX5156TSM 4×4 desert truck is specially developed off-road vehicles and used for small tonnage goods transportation in desert, which is aimed at desert conditions in our country. On the basis of military chassis all-wheel drive advantage, the vehicle adopts domestic top configuration: Weichai landing engine, civil Dulong F3000 cab, strong frame, multi-stage filtration system and hydraulic power steering device, etc. the vehicle has sufficient power, flexible steering, high reliability and good comfort in desert exploration. It is suitable for 5 to 10 tons goods transportation in all kind of desert conditions. This vehicle type can be refitted into desert explosive truck.

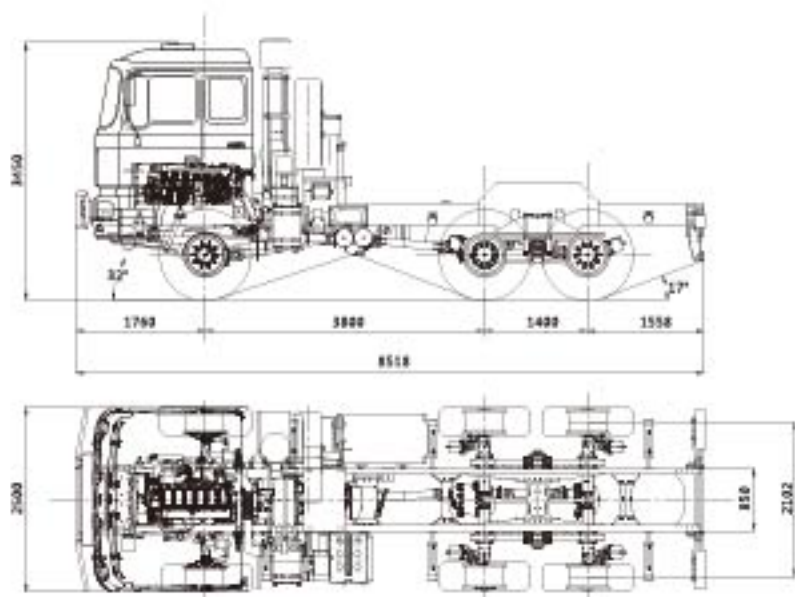
SX5256TSM 6×6 desert truck is specially developed off-road vehicles and used for big tonnage goods transportation in desert, which is aimed at desert conditions in our country. The vehicle is suitable for 10 to 15 tons goods transportation in all kind of desert conditions. This vehicle type can be refitted into desert fuel tanker and desert water tanker.



SX5156TSM实车图片



SX5156TSM二维简图



SX5256TSM二维简图



沙漠越野车 All-wheel-drive vehicle –desert truck		车型 Vehicle type	
		SX5156TSM	SX5256TSM
公告批次 Announcement batch		264批Batch	262批Batch
驱动型式 driving type		4×4	6×6
驾驶室类型 Cab type		民用德龙F3000驾驶室 Civil D'long F3000 cab	
驾驶室定员 Rated passenger capacity		2	
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	15000	25000
	整备质量 (kg) Kerb mass	9050	12880
	载质量 (kg) Loading weight	5950	12120
尺寸参数 Dimension parameters	外部尺寸 (全长×全宽×全高) (mm) Dimension (length ×width ×depth)	7973×2500×3520	8518×2500×3520
	货箱尺寸 (长×宽×高) (mm) Packing case dimension (length ×width ×depth)	4755×2326×600	5300×2326×800
	轴距 (mm) Wheelbase	4400	3800+1400
	最大允许上装使用纵梁长度 (mm) The maximum allowable longitudinal beam length	4979	4844
	车架上表面离地高度 (mm) (空载/满载) The ground clearance of frame upper surface (no-load/full load)	1352/1275	1370/1315
性能参数 Performance parameters	最高车速 (km/h) Maximum speed	78	
	最大爬坡度 (%) Maximum gradability	≤60/≤30 (沙漠Desert)	
	最小离地间隙 (mm) Minimum ground clearance	380	
	接近角/离去角 (°) Approach angle/departure angle	23/25	32/17
	最小转弯直径 (m) Minimum turning diameter	≤20	
限定工况下燃油消耗量 (L/100km) Fuel consumption under limited working condition		—	

		燃油箱容积 (L) Fuel tank volume	400	400+70	
发动机 Engine	型号 Model	WP12.336N		WP12.375N	
	额定功率/转速 (KW/r/min) Rated power/rotating speed	247/1900		276/1900	
	最大扭矩/转速(N·m/r/min) Maximum torque/ rotating speed	1600/1000 – 1400		1800/1000 – 1400	
		离合器型式 Clutch type	美国伊顿Φ430mm膜片弹簧、陶瓷离合器片 American EatonΦ430mmDiaphragm spring, ceramic clutch plate		
		变速器型号 Transmission model	9JS200T		
		分动器型号 Transfer case model	ZQC2000		
		驱动桥型式 Drive axle type	前桥 Front axle	汉德MAN6.5吨 Hande MAN 6.5 tons	
			中/后桥 Middle/rear axle	汉德MAN12吨双级桥 Hande MAN 12 tons double-level axle	汉德MAN13吨双级桥 Hande MAN 13 tons double-level axle
配置参数 Configuration parameters		悬架 Suspension	钢板弹簧式悬架 Leaf spring suspension		
		转向器型式 Diverter type	整体循环球式液压力转向器 Whole circulating ball hydraulic power steering gear		
		制动装置型式 Brake device type	双回路气压制动 Dual-circuit air braking		
车架 Frame		型式/宽度 (mm) Type/width	槽形直纵梁等截面框架结构/850 Constant section frame structure of groove straight longitudinal beam		
			纵梁断面尺寸 (mm) Cross dimensions of longitudinal beam	300×80× (8+7)	
		轮胎 Tyre	14.00R20 20PR 越野花纹轮胎 可选装20.00-20PR 沙漠专用胎16PR 备注说明：在沙漠中使用16层级的；其他路面使用20层级的。		



• 大件牵引车 •

SX5457A SX5607A

大件牵引车

All-wheel-drive vehicle- large tractor

SX5457A型6×6/SX5607A型8×8大件运输牵引车采用三大进口动力总成：康明斯发动机、艾利逊自动变速器、VG2700分动器。该车拥有国内顶级配置，在我国四级以上公路最大牵引质量可达200~300吨，爬坡能力强，性能可靠稳定，购车成本较进口车辆大大降低，是国内大件运输行业的首选产品。

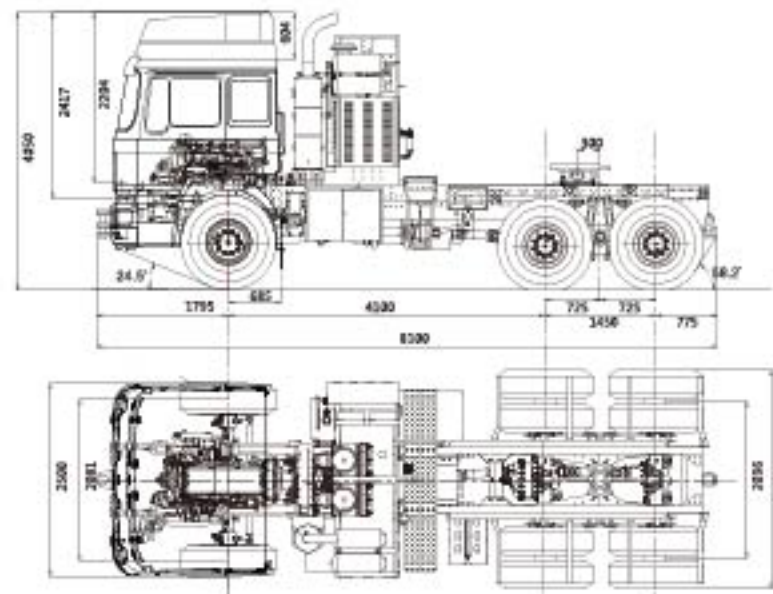
SX5457A 6×6/SX5607A 8×8 large tractor adopts three major imported power assemblies: Cummins engine, Allison automatic transmission and VG2700 transfer case. The vehicle has domestic top configuration. The maximum drawing quality can reach 200 to 300 tons on above fourth class roads in our country. It has great gradeability and reliable performance. Compared to the imported vehicles, the vehicle cost is greatly reduced and become first choice production in domestic transportation industry.



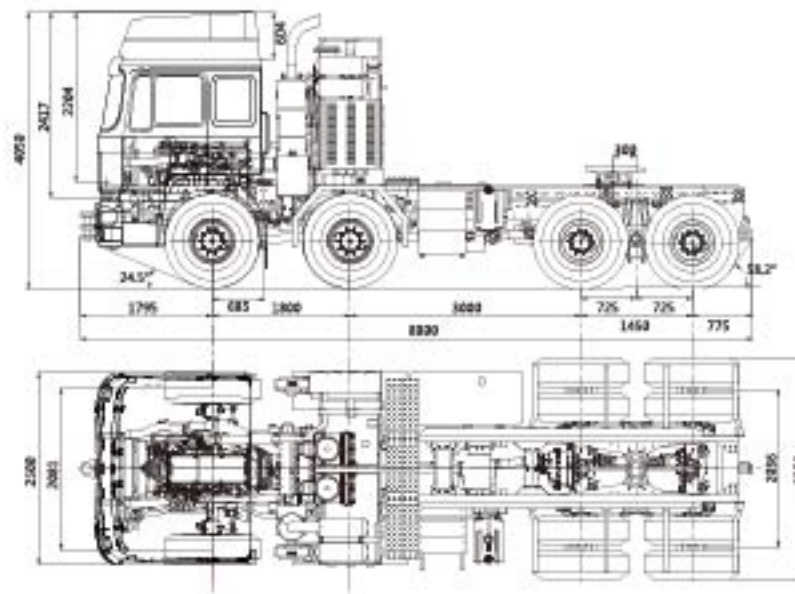
SX5607A



SX5457A实车图片



SX5457A二维简图



SX5607A二维简图



大件牵引车 All-wheel-drive vehicle- large tractor		车型 Vehicle type	
		SX5457A	SX5607A
		经典版 classic version	
驱动型式 Drive type		6×6	8×8
驾驶室类型 Cab type		民用德龙F3000驾驶室 Civil D'long F3000 cab	
驾驶室定员 Rated passenger capacity		2	
质量参数 Mass parameters	最大设计总质量 (kg) Maximum design total mass	50000	60000
	整备质量 (kg) Kerb mass	15620	18560
	鞍座最大允许压重 (kg) The maximum allowable weight of saddle	34740	41440
	汽车列车最大设计质量 (kg) The maximum design mass of combination vehicles	300000	
尺寸参数 Dimension parameters	外形尺寸 (长×宽×高) (mm) (空载/满载) Dimension(length ×width ×depth) (no-load/full load)	8100×2850×3815/4050	8800×2850×3815/4050
	轴距 (mm) Wheelbase	3900+1450	1950+3000+1450
	鞍座上平面离地高度 (mm) (空载/满载) The ground clearance of saddle upper surface (no-load/full load)	1685/1640	1685/1640
	车架上平面离地高度 (mm) (空载/满载) The ground clearance of frame upper surface (no-load/full load)	1370/1325	
性能参数 Performance parameters	最高车速 (km/h) Maximum speed	60 (限速)	
	最大爬坡度(%) Maximum gradeability	≤18	
	最小离地间隙 (mm) Minimum ground clearance	380	
	接近角/离去角 (°) Approach angle/ departure angle	24.5/58.2	
	最小转弯直径 (m) The minimum turning diameter	20.5	25.5
	限定工况下燃油消耗量 (L/100km) Fuel consumption under limited conditions	50	
	燃油箱容积 (L) Fuel tank volume	800+600	

配置参数 Configuration parameters	发动机 Engine	型号 Model	ISX15 E5 600M	ISX15 E5 600M
		额定功率/转速 (KW/r/min) Rated power/rotating speed	448/2000	448/2000
		最大扭矩/转速(N·m/r/min) Maximum torque/ rotating speed	2508/1200	2508/1200
离合器型式 Clutch type	----			
变速器型号 Transmission model	Allison4700SP-PR			
分动器型号 Transfer case model	ZFimport VG2700			
驱动桥型式 Drive axle type	前桥Front axle	汉德MAN技术13吨 Hande MAN technology 13 tons		
	中后桥Middle rear axle	汉德MAN技术16吨双级 Hande MAN technology 16 tonsDouble-level		
悬架 Suspension	钢板弹簧式悬架 Leaf spring suspension			
转向器型式 Diverter type	ZF8099转向机+应急转向系统+1个辅助转向油缸 ZF8099steering engine+ emergency steering system + 1 auxiliary steering oil cylinder		ZF8099转向机+应急转向系统+3个辅助转向油缸 ZF8099steering engine+ emergency steering system + 3 auxiliary steering oil cylinder	
制动装置型式 Brake device type	双回路气压制动 Dual-circuit air braking			
车架 Frame	型式/宽度 (mm) Type/width	槽形直纵梁等截面车架结构/850 Constant section frame structure of groove straight longitudinal beam		
	纵梁断面尺寸 (mm) Cross dimensions of longitudinal beam	320×80× (10+8)		
轮胎 Tyre	14.00R20 20PR 越野花纹轮胎 14.00R20 20PR Off-road pattern tyre			
其他可选装重点配置 Other key configurations for option	可选装平顶驾驶室、集中润滑、独立暖风、天行健、进口90双接鞍座 Flat top cab, centralization lubrication, independent warm-air, tianxing jian, import 90double pendulum saddle can be select ed for installation.		可选装平顶驾驶室、集中润滑、独立暖风、天行健 Flat top cab , centralization lubrication, independent warm-air, tianxing jian can be selected for installation.	



陕汽军车各大总成简介

Assembly introduction of shanqi military vehicles

一、驾驶室总成 Cab assembly

陕汽军车采用的驾驶室总成有延安驾驶室、斯太尔标准型、斯太尔加长型、斯太尔加长四开门型、军用四开门驾驶室(齐星)、军用德龙F3000驾驶室、民用德龙F3000驾驶室等。其中,德龙驾驶室内部空间大,采用新内饰,钛合金质感的整体仪表台,驾驶室配置为四点液压弹簧悬架,液压/空气座椅,舒适性好,上下、前后4向可调式真皮方向盘,电控自动恒温空调;电动摇窗机(选装),豪华遮阳罩,遮阳帘,驾驶室后悬置带液压锁止机构。

Shanqi military vehicles use Yan'an cab, steyr standard type, steyr long type, steyr extended four-door type, military four-door cab (Qi Xing), military D'long F3000 cab and civil D'long F3000cab, etc. D'long cab has a large inner space, and adopts new interior. The whole instrument panel has titanium alloy quality. The cab suspension is four-point hydraulic spring suspension. Hydraulic/air seats are very comfortable. The steering wheel is real leather and can be adjusted by four-directions. The cab also uses electric wiper (optional), luxury sun shade, shade screens, and the cab rear suspension with hydraulic lock mechanism.





序号 NO.	驾驶室 Cab	驾驶室类型 Cab type	驾驶室定员 Seating capacity of cab	备注 Remarks
1	斯太尔驾驶室 Steyr cab	全金属、平头、单(双)排、两(四)开门;液压翻顶 All metal, cab over engine, single(double) row, two-door (four-door), hydraulic turnover.	2-4人	
2	延安驾驶室 Yan'an cab	全金属、平头、双排、四开门;不可翻顶 All metal, cab over engine, double row, four-door, cannot turnover.	4人	
3	军用四开门驾驶室(齐星) Military four-door cab (Qi Xing)	全金属、平头、双排、四开门、液压翻顶 All metal, cab over engine, double row, four-door, hydraulic turnover.	4-5人	
4	军用德龙F3000驾驶室 Military D'long F3000 cab	全金属、平头、单排、双开门、液压翻顶 All metal, cab over engine, single row, two-door, hydraulic turnover.	2人	

5	民用德龙F3000驾驶室 Civil D'long F3000 cab	全金属、平头、单排、平/高顶、双开门、液压翻顶 All metal, cab over engine, single row, flat top/ high top, two-door, hydraulic turnover.	2人	
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二、发动机总成 Engine assembly

陕汽军车采用的发动机总成有潍柴WD415.21、WD615、WP10系列发动机及康明斯ISM450等发动机。潍柴WP7、WP10系列发动机是斯太尔WD615系列发动机的升级版,采用高压共轨、ECU电控燃油喷射系统,可满足国Ⅲ及国Ⅳ排放标准。

Shanqi military vehicles use Yan'an cab, steyr standard type, steyr long type, steyr extended four-door type, military four-door cab (Qi Xing), military D'long F3000 cab and civil D'long F3000cab, etc. D'long cab has a large inner space, and adopts new interior. The whole instrument panel has titanium alloy quality. The cab suspension is four-point hydraulic spring suspension. Hydraulic/air seats are very comfortable. The steering wheel is real leather and can be adjusted by four-directions. The cab also uses electric wiper (optional), luxury sun shade, shade screens, and the cab rear suspension with hydraulic lock mechanism.

序号 NO.	发动机型号 Engine type	额定功率/转速 (kW/r/min) Rated power/ speed	最大扭矩/转速 The maximum torque / speed (N·m/r/min)	备注 Remarks
1	WD415.21	155/2200	820/1300~1600	
2	WD615.31	225/2200	1250/1300~1600	
3	WD615.44	235/2200	1250/1400~1600	
4	WD615.50	206/2200	1160/1100~1600	
5	WD615.71	191/2600	830/1600~1700	
6	WP10.290	213/2200	1160/1200~1600	
7	WP10.336	247/2200	1250/1200~1600	
8	WP10.375	276/2200	1460/1200~1600	
9	ISM450	336/1800 313/2100	1966/1200~1600	
10	ISXe600 31	447/2000	2237/1100~1900	



三、离合器总成 Clutch assembly

陕汽车车采用的离合器总成按照摩擦片的大小及型式分为Φ395膜片弹簧离合器、Φ420螺旋弹簧离合器、Φ430膜片弹簧离合器三种规格。

The clutch assembly that Shanqi military vehicles adopted can be classified into three specifications: 395diaphragm spring clutch, 420 spiral spring clutch and 430diaphragm spring clutch, according to the size and form of friction plate.



四、变速器总成 Transmission assembly

陕西法士特变速器采用独特的双中间轴结构，先进可靠，扭矩输出大、功率损失小、重载爬坡能力强，噪音低、油耗低、使用寿命长。陕汽车车可根据用户要求，设计匹配国内外各种手动及自动变速器。

Shaanxi Fast transmission adopts special twin-layshaft configuration. This technique is advanced and reliable. Large torque output and small power loss. Great gradeability. Low noise. Low fuel consumption. Long service life. Shanqi military vehicles can design and match various domestic and foreign manual and automatic transmission, according to the requirements of users.

序号 NO.	变速器型号 Transmission model	主要应用车型 Main applied vehicles	备注 Remarks
1	7DS90B	SX2110, SX2110C	
2	9JS135TB	SX2151W, SX1165JM	
3	9JS150TA-B	SX2190NP, SX2190NPA, SX1254JT	
4	10JSD140	SX3255DR384	
5	12JSD160T	SX4255NT324	
6	RT-11509C	SX2150K, SX2153, SX2150KS, SX2151, SX2190, SX2190Q, SX2190N, SX4323, O43, O46	
7	RTO-11509F	SX2150KT, SX2180L, SX2190BQ, SX2190P	
8	FC6A180S(CX28)	SX2150N	
9	Aillison 4500P	SX2255QY425	
10	Aillison 4700PR	SX2550	

五、分动器总成 Transfer case assembly

陕汽车车采用的分动器总成主要有以下几种：ZQC800、ZQC1200、ZQC1300、ZQC1600、ZQC2000、ZQC2800、VG2700，其中ZQC后面的数字表示扭矩（N·m/rpm），不同分动器型号的选择一般根据发动机、变速器的扭矩决定。

Shanqi military vehicles mainly use following series of transfer case assembly: ZQC800, ZQC1200, ZQC1300, ZQC1600, ZQC2000, ZQC2800, VG2700. The number on the back of ZQC shows torque (N·m/rpm). Selection of different transfer case models is generally decided by the torque of engine and transmission.



六、车桥总成 Axle assembly

陕汽车车采用的车桥总成主要分为三种。
The axle assembly that Shanqi military vehicles adopted mainly classified into three types.

序号 No.	车桥总成类型 Axle assembly type	备注 Remarks
1	<p>250系列车桥，该车桥典型特点：半轴是圆柱形，且不带轮边减速器。该车桥目前主要用于SX2150K、SX2150KS、SX2153、SX4240ES及部分SX2110系列车型。</p> <p>The typical characteristics of 250 series axle are: the half shaft is cylindrical, and without wheel reductor. This axle is currently mainly used for SX2150K, SX2150KS, SX2153, SX4240ES and part of SX2110 series vehicle type.</p>	
2	<p>斯太尔系列车桥，该车桥带轮边减速器，根据不同车型最高车速和载重量的需要，可以选择一系列不同速比和不同载重量的车桥。</p> <p>The axles of Steyr series have wheel reductor. It can be selected series of different speed ratio and load capacity axles, according to maximum speed and load capacity of different vehicle types.</p>	
3	<p>MAN系列车桥，该车桥带轮边减速器，可分为断开式和整体式车桥，根据车型和载重的不同，可以选择不同型号的车桥。</p> <p>The axles of MAN series have wheel reductor, and can be classified into live axle and dead axle. Different models of axle can be selected by different vehicle types and load capacity.</p>	