



安徽万航轨道交通装备有限公司

常州市万航工矿设备有限公司 CHANGZHOU WANHANG INDUSTRIAL MINING EQUIPMENT CO,LTD,

- ② 安徽省蚌埠市五河县城南工业区兴浍路30号
- ② 江苏省常州市新北区肖谢路1号 No.1 XiaoXie Rd XinBei District Changzhou, Jiangsu
- 电话: 0519-86560345 / 0552-2355006 Tel: 0086-519-86560345/0086-552-2355006
- 传真:0519-86564906
- ⑤ 移动电话:13961162118 / 13951228579 Mobile:0086-13961162118 / 0086-13951228579
- http://www.nr-jc.com
- http://www.nr-jc.com
 http://www.nr-jc.com
- E-mail: 2458364423@qq.com







COMPANY BROCHURE

内燃机车

ORIGINALITY

安徽万航轨道交通装备有限公司 ANHUI WANHANG RAIL TRANSIT EQUIPMENT CO, LTD

常州市万航工矿设备有限公司

CHANGZHOU WANHANG INDUSTRIAL MINING EQUIPMENT CO,LTD

Diesel Locomotive







安徽万航轨道交通装备有限公司是ISO9001国际质量体系认证的企业、公司前身 是始建于1963年的国营常州内燃机车厂(原机械工业部定点企业),是一家有五十 多年历史的专业的轨道交通装备产品生产商,主要从事中小马力内燃机车、 矿用架 线式电机车、矿用气翻车、平板车、新能源机车、城市低地板有轨电车、机车配件 等系列轨道运输产品的设计、制造、销售和售后服务。

公司机车产品广泛适用于铁路工程、地铁、矿山、冶金、建材、造纸、化工、 港口、大型工厂、铁路货场、车辆段和地方铁路的内部有轨运输及调车作业。产品 遍布国内28个省、市、自治区、并出口到越南、新加坡、马来西亚、印尼、伊朗、 玻利维亚等国家。内燃机车配套动力: 潍柴、康明斯、卡特彼勒、中国重汽、玉柴 等。按功率等级分主要有80、120、240、280、320、380、480、600、800、1000、 1250、1360马力等12大系列:各种轨距(600、750、762、900、1000、1067、1435)。 按传动方式分: 机械传动、液力传动、电传动三大类。并已研制成功320、400、600 马力锂电池、油电混合动力等新能源机车。

安徽万航轨道交通装备有限公司是国家高新技术企业、核心技术、高效液力变 扭箱、液力换向、电子自动换挡等国内处于领先地位。且具有低污染、低噪声低匀 速控制、PLC自动报警功能、多机重联、远程监控、遥控、5G无人驾驶系统、闸瓦 间隙自动调整等先进技术。拥有液力变扭箱等6项发明专利,内燃机车转向架等十多 项实用新型专利,远程监测系统等6项软件著作权。与中科院、合肥工业大学、南京 工程学院等多所院校和科研机构建立了合作关系,逐步实现工业智造、公司积极参 与国家"一带一路"建设、积极开拓国际市场。





Anhui Wanhang Rail Transit Equipment Co. LTD is a professional manufacturer of rail transit equipment. We are mainly engaged in the design, manufacturing, marketing and service of railway transport vehicles, such as low & medium horsepower diesel locomotive, trolley locomotive for mine, pneumatic dump car for mine, flat car, new energy locomotive, urban low-floor tramcar, locomotive accessories, etc. We have gained the approval of the ISO9001 international quality system certification.

Our company's predecessor is the state-run Changzhou Diesel locomotive Works. It was built in 1963 and has a history of more than 50 years. It was the original ministry of mechanized industry fixed-point production specialized factory.

Our locomotives are suitable for shunting and track-bound transportation in railway engineering projects, subways, mines, metallurgies, building materials, paper, petrochemicals, ports, large factories, railway goods yard, depots and local railway. Products sold all over 28 provinces in China and have been exported to Vietnam, Singapore, Malaysia, Indonesia, Iran, Bolivia and other countries.

Diesel engines used in locomotives include Weichai, Cummins, Caterpillar, Sinotruk, Yuchai, etc. There are 12 series products (80HP, 120HP, 240HP, 280HP, 320HP, 380HP, 480HP, 600HP, 800HP, 1000HP, 1250HP and 1360HP) according to the power grade and three kinds of transmission modes (mechanical transmission, hydraulic transmission and electric transmission). The gauges include 600mm, 750mm, 762mm, 900mm, 1000mm, 1067mm and 1435mm, New energy locomotives using lithium-ion batteries or petrol-electric hybrids have been successfully developed, such as 320HP, 400HP, 600HP.

We are a state high-tech enterprise. The core technologies such as high efficiency hydraulic torque converter box, hydraulic reversing and electronic automatic gear shifting are in the leading position in China. Our advanced technologies include low pollution, low noise & low uniform speed control technology, PLC automatic alarm, multi-machine reconnection, remote monitoring, remote control, unmanned system using 5G, automatic brake shoe clearance adjustment, etc. We have 6 invention patents such as "hydraulic transformer torsion box", more than 10 utility model patents such as "diesel locomotive bogie" and 6 software Copyrights such as "remote monitoring system".

We have built partnerships with the Chinese Academy of Sciences, Hefei University of Technology, Nanjing Institute of Technology and many other institutions and scientific organizations. We will actively transform from "Made in China" to "Made with Wisdom" and participate in and contribute to the Belt and Road Initiative.



企业管理

Business Management





- 质量方针
 - 质量就是生命用户就是上帝
- 质量目标
 - 创优质产品创一流服务
- 产品优势
 - 人无我有人有我优人优我专

专业团队反应快速 完全投入满足需求

















运营能力

Operational capacity















体系建设

System building

- 成就客户一我们致力于每位客户的满意和成功。
- 创业创新一我们追求对客户和公司都至关重要的创新,同时快速而高效地推动其实现。
- 诚信正直一我们秉持信任、诚实和富有责任感,无论是对内部还是外部。
- 多元共赢一我们倡导互相理解,珍视多元性,共赢是我们追求的目标。







































共 20 页 第 7 页



WH80型 内燃机车



WH80机械传动内燃机车作为森林采伐、矿山、工矿、水电站及土建施工单位等地面铁路运输之牵引动力。

本机车由73KW柴油机传动四级变速换向齿轮箱,再传动曲拐,连杆至轮对,驱动机车,机车采用空气制动及手制动装置,动作灵活可靠。

该机车性能好, 保养维修方便, 外形美观大方, 畅销各地。

型号	WH80 WH80R	轨距 mm	600 750 762 900 1000 1435
机车用途	调车作业	轴列式	0-2-0 0-3-0
机车功率 kW	73.5	通过最小曲线半径 m	10 20 40
机车构造速度 km/h	27.74/29.02/25.61	传动型式	机械
机车持续速度 km/h	6.57/6.87/6.06	车钩型式	插销式 链钩式 板式 自动车钩
I 档轮周牵引力 kN	22.08/27.98/26.13	车钩高度 mm	320 375 485 505 600 880
机车整备重量 t	10/12.6/11	制动方式	手制动 空气制动
轴重 t	5/4.2/3.7	机车标称电压	DC24V
轮径 mm	Ф650/Ф680/Ф600	机车外形尺寸 mm	3920 X 1850 X 2380 1990 X 2500
			4380 × 1910 × 2740 1950 × 2970

WH80 Diesel Locomotive

As a traction locomotive for surface railway transportation, WH80 diesel-mechanical locomotive is used in forest farms, mines, industrial and mining enterprises, hydropower stations and civil constructionsites.

The locomotive is driven by a 73KW diesel engine through the gearbox with four speed change, the crankshaft, the connecting rod and the wheelset. The locomotive brake device adopts air brake and hand brake. The movement is flexible and reliable.

The locomotive has a good performance and a beautiful appearance. It is easy to maintain and sell well all over the world.

Model	WH80 WH80R	Gauge (mm)	600 750 762 900 1000 1435
Usage	Shunting	Axle arrangement	0-2-0 0-3-0
Rated power (kW)	73.5	Minimum radius of curve negotiable (m)	10 20 40
Design speed (km/h)	27.74/29.02/25.61	Transmission mode	Mechanical drive
Minimum continuous speed (km/h)	6.57/6.87/6.06	Coupler type	Lockingpin Chain-hook Plate Automatic
(I Gear) Tractive effort at wheel rim (kN)	22.08/27.98/26.13	Coupler height (mm)	320 375 485 505 600 880
Service weight (t)	10/12.6/11	Braking	Hand braking Air braking
Axle load (t)	5/4.2/3.7	System voltage	DC24V
Wheel diameter (mm)	Ф650/Ф680/Ф600	Dimensions (mm)	3920 X 1850 X 2380 1990 X 2500
			4380 × 1910 × 2740 1950 × 2970



WHY90S型 内燃机车



WHY90S型液力传动内燃机车适用于窄轨铁路调车或旅游地区运输作业用。 机车采用LR4A3-23型柴油机,柴油机功率57KW。电气采用常规控制,传动系 统采用液力变矩器和变速器。

机车为双向操纵,工作可靠,使用维护方便。

型号	WHY90S	轨距 mm	762
机车用途	调车及小运转作业	轴列式	0-2-0
机车功率 kW	57	通过最小曲线半径 m	20
机车构造速度 km/h	13	传动方式	液力传动
最低持续速度 km/h	5.5	制动方式	空气制动 机械制动
持续速度牵引力 kN	12	车钩型式	插销式车钩
机车整备重量 t	10	车钩高度 mm	210
轴重t	5	机车标称电压	DC24V
轮径 mm	Ф600	机车外形尺寸 mm	6000×1400×2000

WHY90S Diesel-hydraulic Locomotive

WHY90S diesel-hydraulic locomotive is suitable for shunting operation in narrow gauge railway or transport operation in tourist areas.

The locomotive adopts LR4A3-23 diesel engine with the power of 57KW. The electrical system is conventionally controlled and the transmission system uses hydraulic torque converter and transmission box.

The locomotive uses a two-way operating mechanism. The locomotive works reliably and easy to maintain.

Model	WHY90S	Gauge (mm)	762
Usage	Shunting and district transfer	Axle arrangement	0-2-0
Rated power (kW)	57	Minimum radius of curve negotiable (m)	20
Design speed (km/h)	13	Transmission mode	Hydrodynamic drive
Minimum continuous speed (km/h)	5.5	Braking	Mechanical braking Air braking
Continuous tractive effort (kN)	12	Coupler type	Locking pin
Service weight (t)	10	Coupler height (mm)	210
Axle load (t)	5	System voltage	DC24V
Wheel diameter (mm)	Ф600	Dimensions (mm)	6000×1400×2000



WHY240F型 **内燃机车**



WHY240F型液力传动内燃机车,特别适用于钢铁厂运输企业,操纵台设置在司机 室左侧,司机室前后方和两侧均设有玻璃窗,瞭望方便、布置宽敞、光线充足,并采用 吸音隔热结构,给司机创造了良好的工作环境和条件。

该机车适用性良好,牵引性能好,检查维修方便。

型号	WHY240F	轨距 mm	1435
机车用途	调车作业	轴列式	0-2-0
机车功率 kW	175	通过最小曲线半径 m	30
机车构造速度 km/h	20	传动方式	液力传动
最低持续速度 km/h	6	制动方式	空气制动 机械制动
持续速度牵引力 kN	50.14/60.12	车钩型式	KD5
机车整备重量 t	20/24	车钩高度 mm	880
轴重 t	10/12	机车标称电压	DC24V
轮径 mm	Ф680	机车外形尺寸 mm	6550×2565×3170

WHY240F Diesel-hydraulic Locomotive

WHY240F diesel-hydraulic locomotive is especially suitable for transportation in the steelworks. The console is set on the left side of the cab. The cab is surrounded by glass windows for easy observation. It is spacious and well lit. The sound-absorbing and heat-insulating structure in the cab creates a goodworking environment for the driver.

The locomotive has good applicability and traction performance, easy to check and maintain.

Model	WHY240F	Gauge (mm)	1435
Usage	Shunting	Axle arrangement	0-2-0
Rated power (kW)	175	Minimum radius of curve negotiable (m)	30
Design speed (km/h)	20	Transmission mode	Hydrodynamic drive
Minimum continuous speed (km/h)	6	Braking	Mechanical braking Air braking
Continuous tractive effort (kN)	50.14/60.12	Coupler type	KD5
Service weight (t)	20/24	Coupler height (mm)	880
Axle load (t)	10/12	System voltage	DC24V
Wheel diameter (mm)	Ф680	Dimensions (mm)	6550×2565×3170



WHY320F型 *内燃机车*



WHY320F型液力传动内燃机车是专门用于短途运输和调车作业的机车。采用液力传 动,手动换向,手动换档,空气制动。柴油机采用中国重汽D10.32T20等型号,液力变速 箱采用杭齿集团YH310。

整机性能良好, 经久耐用, 操作简单, 维修方便, 深受广大用户好评。

型号	WHY320F	轨距 mm	1435	
机车用途	调车及小运转作业	轴列式	0-2-0	
机车功率 kW	235 通过最小曲线半径 m		30	
机车构造速度 km/h	20	传动方式	液力传动	
最低持续速度 km/h	6	制动方式	空气制动 机械制动	
持续速度牵引力 kN	80.3	车钩型式	KD5	
机车整备重量 t	32	车钩高度 mm	880	
轴重t	16 机车标称电压 DC2		DC24V	
轮径 mm	Ф840	机车外形尺寸 mm	形尺寸 mm 6860×2800×3330	

WHY320F Diesel-hydraulic Locomotive

WHY320F diesel-hydraulic locomotive is specially designed for short distance transportationand shunting operations.

The locomotive adopts hydraulic transmission, manual reversing, manual shifting and air braking. The diesel engine adopts D10.32T20 of Sinotruk and the gearbox uses YH310 of Hangchi Group.

The locomotive has good performance. It has the advantages of wearing well, easy operationand maintenance. It is well received by users.

Model	WHY320F	Gauge (mm)	1435
Usage	Shunting and district transfer	Axle arrangement	0-2-0
Rated power (kW)	235	Minimum radius of curve negotiable (m)	30
Design speed (km/h)	20	Transmission mode	Hydrodynamic drive
Minimum continuous speed (km/h)	6	Braking	Mechanical braking Air braking
Continuous tractive effort (kN)	80.3	Coupler type	KD5
Service weight (t)	32	Coupler height (mm)	880
Axle load (t)	16	System voltage	DC24V
Wheel diameter (mm)	Ф840	Dimensions (mm)	6860×2800×3330



WHY380FSI型 内燃机车



WHY380FSI型液力传动内燃机车适用于准轨铁路调车、工厂、林区、建设工地及地 方铁路调车及小运转作业。

机车采用NTA855-P400/WP12.400E50/WP12G400E300等型号柴油机,柴油机功率298 KW/294KW/294KW, 电气采用常规控制和PLC控制。传动系统采用前进和后退各二个不同 性能变扭器的变矩箱,采用手动换向、手动换档和液力换向、自动换档。

机车操纵轻便灵活,瞭望方便。工作性能可靠,使用维护方便。

型号	WHY380FSI	轨距 mm	1435	
机车用途	调车及小运转作业	轴列式	B-B	
机车功率 kW	298/294	通过最小曲线半径 m	60	
机车构造速度 km/h	30	传动方式	液力传动	
最低持续速度 km/h	9/7	制动方式	空气制动 机械制动	
持续速度牵引力 kN	70.4/103.8	车钩型式	自动车钩	
机车整备重量 t	40	车钩高度 mm	880	
轴重 t	10	机车标称电压	DC24V	
轮径 mm	Ф840	机车外形尺寸 mm	mm 12150×3200×3900	

WHY380FSI Diesel-hydraulic Locomotive

WHY380FSI diesel-hydraulic locomotive is suitable for shunting and district transfer in standard-gauge railway, factory, forest, construction site and local railway.

The locomotive is equipped with diesel engines such as NTA855-P400, WP12.400E50 or WP12G400E300. The diesel engine power is 298kw, 294kw and 294kw. The electrical system adopts conventionally control and PLC control. The transmission system adopts two gear boxes with different performance. The locomotive uses manual reversing, manual shifting and hydraulic reversing, automatic shifting.

The locomotive is easy to operate and easy to watch. It has a good performance and it is easy to operate and maintain.

Model	WHY380FSI	Gauge (mm)	1435
Usage	Shunting and district transfer	Axle arrangement	В-В
Rated power (kW)	298/294	Minimum radius of curve negotiable (m)	60
Design speed (km/h)	30	Transmission mode	Hydrodynamic drive
Minimum continuous speed (km/h)	9/7	Braking	Mechanical braking Air braking
Continuous tractive effort (kN)	70.4/103.8	Coupler type	Automatic coupler
Service weight (t)	40	Coupler height (mm)	880
Axle load (t)	10	System voltage	DC24V
Wheel diameter (mm)	Ф840	Dimensions (mm)	12150×3200×3900



WHY380FR型 **内燃机车**



WHY380FR型液力传动内燃机车广泛用于矿山、冶金、大型工厂、铁路货场有轨运 输及调车作业。

采用液力传动, 手动换档, 空气制动。柴油机采用潍柴WP12.400E50/WP12G400E300 等型号,液力变速器由YJ209BW和ZYB4011组成。

整车性能良好, 经久耐用, 瞭望宽阔, 操作维护简便。

型号	WHY380FR	轨距 mm	1435
机车用途	调车及小运转作业	轴列式	0-2-0
机车功率 kW	294	通过最小曲线半径 m	40
机车构造速度 km/h	20/30	传动方式	液力传动
最低持续速度 km/h	6	制动方式	空气制动 机械制动
持续速度牵引力 kN	95	车钩型式	KD5
机车整备重量 t	38	车钩高度 mm	880
轴重 t	19	机车标称电压	DC24V
轮径 mm	Ф840	Ф840 机车外形尺寸 mm 7800×2800×	

WHY380FR Diesel-hydraulic Locomotive

WHY380FR diesel-hydraulic locomotive is widely used in rail transportation and shunting operations in mines, metallurgical plants, large factories, railway freightyards and so on.

The locomotive adopts hydraulic transmission, manual shift and air brake. The diesel engine uses WP12.400E50 or WP12G400E300 of Weichai. The hydraulic transmission is composed of YJ209BW and ZYB4011.

The locomotive has a good performance and a wide view. It has the advantages of wearing well, easy operation and maintenance.

Model	WHY380FR	Gauge (mm)	1435
Usage	Shunting and district transfer	Axle arrangement	0-2-0
Rated power (kW)	294	Minimum radius of curve negotiable (m)	40
Design speed (km/h)	20/30	Transmission mode	Hydrodynamic drive
Minimum continuous speed (km/h)	6	Braking	Mechanical braking Air braking
Continuous tractive effort (kN)	95	Coupler type	KD5
Service weight (t)	38	Coupler height (mm)	880
Axle load (t)	19	System voltage	DC24V
Wheel diameter (mm)	Ф840	Dimensions (mm)	7800×2800×3330



WHY480F型 **内燃机车**



WHY480F型液力传动内燃机车适用于准轨铁路调车或地方铁路、大中型企业运输作用。

机车采用KTA19-P500/WP13G530E310等型号柴油机,柴油机功率373KW/390KW。电气采用PLC程控器,液力传动系统采用液力换向,电子自动换档。

机车牵引性能良好,运输量大,工作可靠,使用维护方便。

型号	WHY480F	轨距 mm	1435
机车用途	调车及小运转作业	轴列式	B-B
机车功率 kW	373/390	通过最小曲线半径 m	60
机车构造速度 km/h	30	传动方式	液力传动
最低持续速度 km/h	7	制动方式	空气制动 机械制动
持续速度牵引力 kN	120	车钩型式	自动车钩
机车整备重量 t	48	车钩高度 mm	880
轴重t	12	机车标称电压	DC24V
轮径 mm	Ф840	机车外形尺寸 mm	12150×3200×3900

WHY480F Diesel-hydraulic Locomotive

WHY480F diesel-hydraulic locomotive is suitable for shunting in standard-gauge railway or district transfer in large factories and local railway.

The locomotive is equipped with diesel engines such as KTA19-P500, WP13G530E310. The diesel engine power is 373KW and 390KW. The electrical system uses PLC program controller. The hydraulic transmission system adopts hydraulic reversing and electronic automaticshifting.

The locomotive has good traction performance. It has the advantages of large transfer quantity, reliable work, easy operation and maintenance.

			_
Model	WHY480F	Gauge (mm)	1435
Usage	Shunting and district transfer	Axle arrangement	В-В
Rated power (kW)	373/390	Minimum radius of curve negotiable (m)	60
Design speed (km/h)	30	Transmission mode	Hydrodynamic drive
Minimum continuous speed (km/h)	7	Braking	Mechanical braking Air braking
Continuous tractive effort (kN)	120	Coupler type	Automatic coupler
Service weight (t)	48	Coupler height (mm)	880
Axle load (t)	12	System voltage	DC24V
Wheel diameter (mm)	Ф840	Dimensions (mm)	12150×3200×3900



WHY600F型 **内燃机车**



WHY600F 型液力传动内燃机车适用于准轨铁路调车或地方铁路、大中型企业运输 作业用。

机车采用潍柴 WP17G770E302/KTA19-P600 等型号柴油机, 柴油机功率566KW/448KW。 电气采用PLC程控器,液力传动系统采用液力换向,电子自动换档。

机车牵引性能良好,运输量大,工作可靠,使用维护方便。

型号	WHY600F	轨距 mm	1435
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1433
机车用途	调车及小运转作业	轴列式	B-B
机车功率 kW	566/448	通过最小曲线半径 m	80
机车构造速度 km/h	30	传动方式	液力传动
最低持续速度 km/h	7	制动方式	空气制动 机械制动
持续速度牵引力 kN	125	车钩型式	自动车钩
机车整备重量 t	64	车钩高度 mm	880
轴重 t	16	机车标称电压	DC24V
轮径 mm	Ф840	机车外形尺寸 mm	13550×3200×3900

WHY640F Diesel-hydraulic Locomotive

WHY600F diesel-hydraulic locomotive is suitable for shunting in standard-gauge railway or district transfer in large factories and local railway.

The locomotive is equipped with diesel engines such as WP17G770E302 of Weichai or KTA19-P600. The diesel engine power is 566KW and 448KW. The electrical system uses PLC program controller. The hydraulic transmission system adopts hydraulic reversing and electronic automatic shifting.

The locomotive has a good traction performance. It has the advantages of large transfer quantity, reliable work, easy operation and maintenance.

Model	WHY600F	Gauge (mm)	1435
Usage	Shunting and district transfer	Axle arrangement	B-B
Rated power (kW)	566/448	Minimum radius of curve negotiable (m)	80
Design speed (km/h)	30	Transmission mode	Hydrodynamic drive
Minimum continuous speed (km/h)	7	Braking	Mechanical braking Air braking
Continuous tractive effort (kN)	125	Coupler type	Automatic coupler
Service weight (t)	64	Coupler height (mm)	880
Axle load (t)	16	System voltage	DC24V
Wheel diameter (mm)	Ф840	Dimensions (mm)	13550×3200×3900



WHY800F型 **内燃机车**



WHY800F型液力传动内燃机车适用于准轨铁路调车或地方铁路、大中型企业运输 作业用。

机车采用 WP17G800E302/YC6TD800-T300/KTA19-P830 等型号柴油机, 柴油机功率 588. 2KW/619KW。电气采用PLC程控器,液力传动系统采用液力换向,电子自动换档。 机车牵引性能良好,运输量大,工作可靠,使用维护方便。

型号	WHY800F	轨距 mm	1435
机车用途	调车及小运转作业	轴列式	В-В
机车功率 kW	588.2/619	通过最小曲线半径	80
机车构造速度 km/h	30	传动方式	液力传动
最低持续速度 km/h	7	制动方式	空气制动 机械制动
持续速度牵引力 kN	185	车钩型式	自动车钩
机车整备重量 t	84	车钩高度 mm	880
轴重t	21	机车标称电压	DC24V
轮径 mm	Ф840/Ф915/Ф1050	机车外形尺寸 mm	13550×3200×4000

WHY800F Diesel-hydraulic Locomotive

WHY800F diesel-hydraulic locomotive is suitable for shunting in standard-gauge railway or district transfer in large factories and local railway.

The locomotive is equipped with diesel engines such as WP17G800E302, YC6TD800-T300 or KTA19-P830. The diesel engine power is 588.2KW and 619KW. The electrical system uses PLC program controller. The hydraulic transmission system adopts hydraulic reversing and electronic automatic shifting.

The locomotive has a good traction performance. It has the advantages of large transfer quantity, reliable work, easy operation and maintenance.

Model	WHY800F	Gauge (mm)	1435
Usage	Shunting and district transfer	Axle arrangement	B-B
Rated power (kW)	588.2/619	Minimum radius of curve negotiable (m)	80
Design speed (km/h)	30	Transmission mode	Hydrodynamic drive
Minimum continuous speed (km/h)	7	Braking	Mechanical braking Air braking
Continuous tractive effort (kN)	185	Coupler type	Automatic coupler
Service weight (t)	84	Coupler height (mm)	880
Axle load (t)	21	System voltage	DC24V
Wheel diameter (mm)	Ф840/Ф915/Ф1050	Dimensions (mm)	13550×3200×4000



WHY1000F型 **内燃机车**



WHY1000F型液力传动内燃机车适用于准轨铁路调车或地方铁路、大中型企业运输 作业用。

机车采用AG12V190ZL等型号柴油机,柴油机功率800KW。电气采用PLC程控器,液力 传动系统采用液力换向,电子自动换档。

机车牵引性能良好,运输量大,工作可靠,使用维护方便。

型号	WHY1000F	轨距 mm	1435
机车用途	调车及小运转作业	轴列式	B-B C-C
机车功率 kW	800	通过最小曲线半径 m	80
机车构造速度 km/h	30	传动方式	液力传动
最低持续速度 km/h	7	制动方式	空气制动 机械制动
持续速度牵引力 kN	242	车钩型式	自动车钩
机车整备重量 t	92	车钩高度 mm	880
轴重t	23	机车标称电压	DC24V
轮径 mm	Ф915/Ф1050	机车外形尺寸 mm	14530×3200×4000

WHY1000F Diesel-hydraulic Locomotive

WHY1000F diesel-hydraulic locomotive is suitable for shunting in standard-gauge railway or district transfer in large factories and local railway.

The locomotive is equipped with diesel engines such as AG12V190ZL. The diesel engine power is 800KW. The electrical system uses PLC program controller. The hydraulic transmission system adopts hydraulic reversing and electronic automatic shifting.

The locomotive has a good traction performance. It has the advantages of large transfer quantity, reliable work, easy operation and maintenance.

Model	WHY1000F	Gauge (mm)	1435
Usage	Shunting and district transfer	Axle arrangement	B-B C-C
Rated power (kW)	800	Minimum radius of curve negotiable (m)	80
Design speed (km/h)	30	Transmission mode	Hydrodynamic drive
Minimum continuous speed (km/h)	7	Braking	Mechanical braking Air braking
Continuous tractive effort (kN)	242	Coupler type	Automatic coupler
Service weight (t)	92	Coupler height (mm)	880
Axle load (t)	23	System voltage	DC24V
Wheel diameter (mm)	Ф915/Ф1050	Dimensions (mm)	14530×3200×4000



WHY1360F型 **内燃机车**



WHY1360F型液力传动内燃机车适用于准轨铁路调车或地方铁路、大中型企业运输 作业用。

机车采用 Z12V190BJ6/KTA38-C1350 等型号柴油机,柴油机功率1000KW。电气采用 PLC程控器,液力传动系统采用液力换向,电子自动换档。

机车牵引性能良好,运输量大,工作可靠,使用维护方便。

型号	WHY1360F	轨距 mm	1435
机车用途	调车及小运转作业	轴列式	B-B C-C
机车功率 kW	1000	通过最小曲线半径 m	80
机车构造速度 km/h	30	传动方式	液力传动
最低持续速度 km/h	7	制动方式	空气制动 机械制动
持续速度牵引力 kN	280.6	车钩型式	自动车钩
机车整备重量 t	100	车钩高度 mm	880
轴重 t	25	机车标称电压	DC24V/DC110V
轮径 mm	Ф915/Ф1050	机车外形尺寸 mm	15360×3200×4255

WHY1360F Diesel-hydraulic Locomotive

WHY1360F diesel-hydraulic locomotive is suitable for shunting in standard-gauge railway or district transfer in large factories and local railway.

The locomotive is equipped with diesel engines such as Z12V190BJ6 or KTA38-C1350. The diesel engine power is 1000KW. The electrical system uses PLC program controller. The hydraulic transmission system adopts hydraulic reversing and electronic automatic shifting.

The locomotive has a good traction performance. It has the advantages of large transfer quantity, reliable work, easy operation and maintenance.

Model	WHY1360F	Gauge (mm)	1435
Usage	Shunting and district transfer	Axle arrangement	B-B C-C
Rated power (kW)	1000	Minimum radius of curve negotiable (m)	80
Design speed (km/h)	30	Transmission mode	Hydrodynamic drive
Minimum continuous speed (km/h)	7	Braking	Mechanical braking Air braking
Continuous tractive effort (kN)	280.6	Coupler type	Automatic coupler
Service weight (t)	100	Coupler height (mm)	880
Axle load (t)	25	System voltage	DC24V/DC110V
Wheel diameter (mm)	Ф915/Ф1050	Dimensions (mm)	15360×3200×4255



TSC275型铁水罐车 TSC275 Molten Iron Tank Car



型号 Model	TSC275	车钩中心距 mm Center distance of coupler (mm)	16000
容量 t Capacity(t)	200	车钩距轨面高度 mm Coupler height (mm)	880
载重 t Load capacity (t)	275	车辆自重 t Weight (t)	61
轨距 mm Gauge (mm)	1435	车钩型式 Coupler type	13 号上作用式 No. 13 upper acting
通过最小曲线半径 m Minimum radius of curve negotiable(m)	75	机车外形尺寸 mm Dimensions (mm)	16000×5600×6350

侧卸式气翻矿车 Rocker Side Dump Car



侧卸式气翻矿车适用于运送堆比重不大于1.6t/m³矿物或其他散装货物,可用1-2m³挖掘机或其他方式装车,由机车牵引、可于轨道一侧的任意地点卸载。

整车性能良好, 经久耐用、操作简单、运输量大。

Rocker side dump car is suitable for transporting minerals with bulk density of less than 1.6t/m³ or other bulk goods. It can be loaded by 1-2m³ excavators or other ways. It is pulled by the locomotive and can be unloaded at any point on the side of the track. It has a good performance and the advantages of wearing well, easy operation, large transfer quantity.

容积(m³) Volume (m³)	11 / 23	构造速度(km/h) Design speed (km/h)	45 / 60
载重(t) Load capacity (t)	20 / 36	通过最小曲线半径(m) Minimum radius of curve negotiable (m)	45 / 60
自重(t) Weight (t)	15 / 20	倾翻作业时间(s) Roll over time (s)	20
轨距(mm) Gauge (mm)	1000 / 1435	空车复位时间(s) Reset time (s)	35
转向架中心距(mm) Distance between bogie pivot centers (mm)	5700 / 7100	卸载气压(mpa) Discharge pressure (MPa)	0.6
车钩形式 Coupler type	自动车钩 Automatic coupler	外形尺寸:长×宽×高(mm) Dimensions (mm)	9920×2445×2150 12070×2524×2643



机车产品用户名录 (部分)

越南国家煤炭集团公司、磷矿公司
玻利维亚铜矿
马来西亚水泥厂
中钢院伊朗项目
新加坡地铁 SMRT\ETU
武汉地铁 2 号线工程施工项目
北京地铁 6 号线工程施工项目
西安地铁1号线工程施工项目
郑州地铁1号线工程施工项目
上海地铁 9、11 号线工程施工项目
江苏沙钢集团有限公司
南昌铁路局福州东车辆段
厦门象盛镍业有限公司
唐山国丰钢铁有限公司
葛洲坝集团老河口水泥有限公司
山西中阳钢铁有限公司
湖北晨风掘进装备有限公司
舞阳钢铁有限公司
山西海鑫钢铁有限公司
昆明钢铁有限公司
徐州华宏特钢有限公司

安徽省贵航特钢有限公司
广西盛隆冶金有限公司
新疆昆仑钢铁有限公司
河北敬业钢铁有限公司
徐州东南钢铁有限公司
承德盛丰钢铁有限公司
铜陵富鑫钢铁有限公司
平山敬业冶炼有限公司
赤峰远联钢铁有限公司
唐山贝氏体钢铁有限公司
连云港兴鑫钢铁有限公司
鄯善金汇选冶有限公司
四川夹江水工机械有限公司
南京中国水泥厂
青钢钢铁集团兖州焦化厂
临沂三德钢铁有限公司
河北津西钢铁有限公司
秦皇岛百工轧钢有限公司
天津钢铁有限公司
迁西万通球墨铸管有限公司
济源钢铁有限公司

广东国鑫实业股份有限公司 盐城联鑫钢铁有限公司 山西晋钢集团福盛钢铁有限公司 山东寿光巨能特钢有限公司 安宁市永昌钢铁有限公司 柳州华锡集团 山东潍坊钢铁有限公司 陕西龙门钢铁有限公司 山东莱钢永锋钢铁有限公司 新乡化纤股份有限公司 秦皇岛金海食品工业有限公司 江苏利淮钢铁有限公司 江苏德龙镍业有限公司 山西高义钢铁有限公司 河南昌泰不锈钢有限公司 山东西王钢铁有限公司 广西北海诚德镍业有限公司 山东恒邦冶炼股份有限公司 邢台德龙钢铁有限公司 沙钢集团抚顺特殊钢股份有限公司

"售出不是结束,服务刚刚开 始"。多年来、公司秉承用户利益 至上, 服务为先, 满足用户对机车 使用的需求的服务宗旨, 依托先进 的管理理念和专业的服务团队,最 大限度追求用户满意度。我们致力 于把万航公司打造成中国民营轨道 交通装备产品的优秀制造商, 为轨 道交诵装备产业提供更优质的产品, 提供更贴心的服务。

"The sale is not the end, the service has just begun." We stick to the principle of "customer first, service first" to meet the user demand for the use of locomotives. The mission is to satisfy the customers with advanced administrative concepts and professional service teams. We are committed to building Wanhang into an outstanding rail transit equipment privately owned manufacturer in China and continue to provide for the rail transportation equipment industry with better products and better services.







