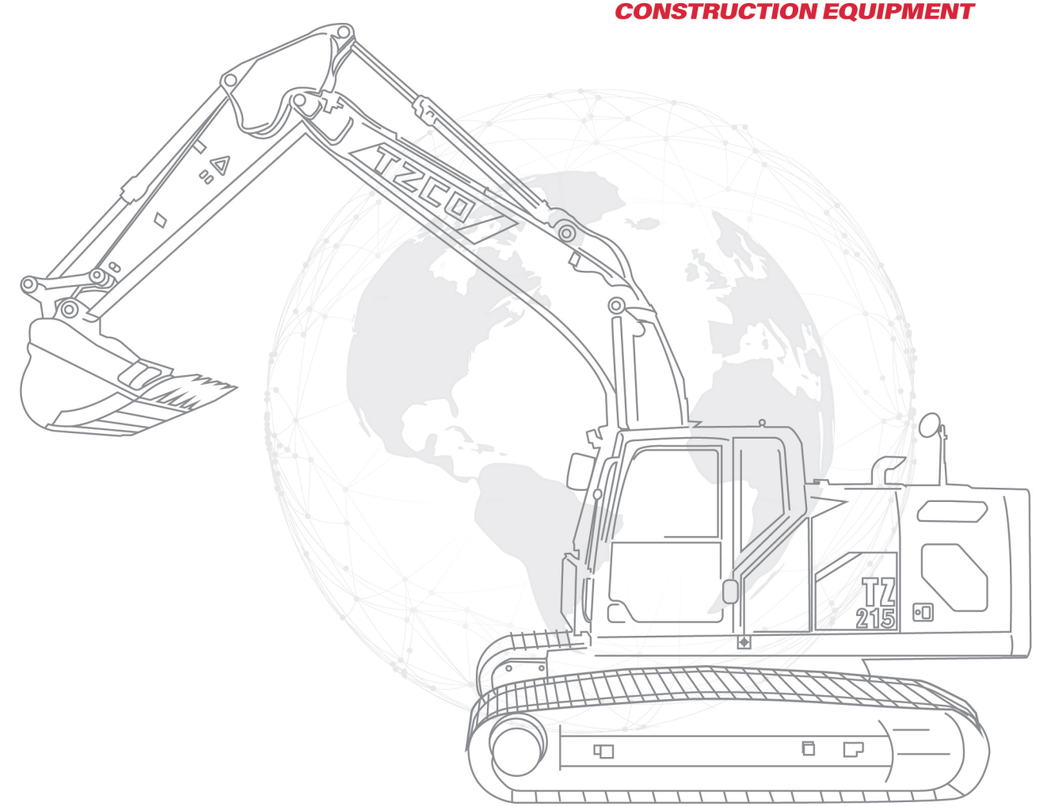
太重集团
TZCO

山西太重工程机械有限公司

SHANXI TZCO CONSTRUCTION MACHINERY CO.,LTD

工程挖掘机领域
CONSTRUCTION EQUIPMENT



HYDRAULIC EXCAVATOR

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公司简介
TZCO

太原重型机械集团有限公司（以下简称“太重”）始建于 1950 年，是党中央投资 7 亿 5 千万斤小米（折合人民币 6075 万元）自行设计建造的第一座重型机械制造企业。作为“共和国长子”，太重累计为国家重点建设项目提供了 3000 余种、40000 多台套、约 1000 万吨装备产品，创造了 500 多项中国和世界第一，为新中国的建设、改革和发展做出了重要贡献，被誉为“国民经济的开路先锋”。

太重是全球唯一的轨道交通用车轮、车轴、齿轮箱及轮对的全谱系全系列全流程研发制造基地；全球唯一的能够同时生产 4 ~ 75 立方矿用挖掘机和 0.8 ~ 200 吨级全系列多动力液压挖掘机研发制造基地；全球唯一一个以世界最大的 1300 吨水电站桥式起重机和 550 吨铸造起重机为代表的全系列起重机生产基地；还是国内最大的管轧机和矫正机生产基地，品种最全的锻压设备和焦炉设备生产基地，最大的航天发射装置生产基地，最大的轧机油膜轴承生产基地，是山西省高端装备制造和风电装备产业链唯一的双“链主”企业。

公司现有在岗员工 8600 余人，拥有二级及以下子公司 53 户，主要成员单位包括太原重工股份有限公司、太重集团煤机有限公司、太重集团榆次液压工业有限公司、太重（天津）滨海重型机械有限公司等。主要产品以起重机、挖掘机、轨道交通、风电装备、海洋装备、煤机装备、液压产品、冶金装备、齿轮传动、港机装备十大系列产品为核心，拥有设备成套和工程总承包能力，产品已出口到全球 70 多个国家和地区，广泛应用于冶金、矿山、能源、交通、海工、航天、化工、铁路、造船、环保、煤炭等行业。

展望未来，太重将聚焦国家推进新型工业化重大战略，秉承“用户至上、效益导向、以人为本、改革创新、对标一流”的核心价值观，以“精细化、国际化、高端化、智慧化”为方向，全方位推动公司高质量高速度发展，努力建设具有国际一流竞争力的现代智能装备制造企业。

Taiyuan Heavy Machinery Group Co., Ltd (hereinafter referred to as “TZCO”), founded in 1950, was the first heavy machinery manufacturing enterprise designed and built independently by the Central Committee of the Communist Party of china with an investment of 375 milion kilograms of millets (equivalent to RMB 60.75 milion). As the one of the first key enterprises of the PRC,TZCO has provided nearly 3,000 types, over 40,000 sets, and approximately 10 milion tons of equipment for national key construction projects, creating over 500 firsts in China and the world. The company has made important contributions to the construction, reform,and development of the People 's Republic of China, known as the “pioneer of the national economy”.

TZCO is the world's only full-process R&D and manufacturing base for all series of wheels, axles, gearboxes and wheelsets of railway transit;the world's only R&D and manufacturing base capable of producing 4-75 cubic meters mining excavators and 0.8-200t tons full series of multi-power hydraulic excavators; the world's only production base for full series of crane producing the 1,300t bridge crane for hydropower station and 550t casting crane, both the largest in the world. In addition, TZCO also serves as the largest production base for tube rolling mils and straightening machines; the most comprehensive production base for forging equipment and coke oven equipment; the largest production base for aerospace launch tower; and the largest production base for roling mill oil film bearings in China, hailed as the only dual “supply chain leader" enterprise in the high-end equipment manufacturing and wind power equipment industry chain of Shanxi Province.

The company, with more than 8,600 on-the-job employees, has 53 second-level and lower-level subsidiaries. Its main member units include Taiyuan Heavy Industry Co. td., TZ Coal Machinery Co., Ltd., Taiyuan Heavy Machinery Group Yuci Hydraulic Industry Co. Ltd., and TZ Binhai Heavy Machinery(Tianjin) Co., Ltd. Focusing on ten series of products,including cranes,excavators,railway transit,wind power equipment,marine equipment,coal machinery equipment,hydraulic products,metallurgical equipment,geartransmission, and port machinery equipment,and being capable of general contracting for complete equipment sets and engineering,the company has exported its products to more than 70 countries and regions worldwide,which are widely utilized in metallurgy,mining,energy,transportation, marine engineering,aerospace,chemical,railway,shipbuilding, environmental protection,coal and other industries.

Looking forward,TZCO will adhere to the core values of “putting customers first,pursuing benefit-oriented and people-oriented reform and innovation,and implementing first-class standards”,with “refinement,internationalization,premiumization,and intelligence” as the guidance,and “five key points,five priorities,and five construction” as the focus,to promote the company's high-quality and high-speed development in an all-around way, and strive to build a modern intelligent equipment manufacturing enterprise with international first-class competitiveness.

3000+ 种 TYPES

40000+ 台 / 套 UNITS/SET

服务国家重点建设项目
FOR KEY PROJECTS OF CHINA

500+

中国 / 世界第一
TOP OF CHINA/THE WORLD

工程挖掘机领域介绍 TZCM

山西太重工程机械有限公司 (以下称“工程机械公司”) 是太重集团旗下的子公司。

工程机械公司成立于 2021 年 4 月 27 日，位于山西转型综合改革示范区潇河产业园区，占地面积约 1000 亩，建筑面积约 29 万平米，致力于为客户提供土石方及矿山施工项目最优解决方案，打造核心技术，引领产业进步。公司规划年产 50000 台大、中、小、微全系列智能液压挖掘机产品，年销售收入 200 亿元以上，是集挖掘机械主机、属具及备品备件的研发、设计、制造、加工、销售、租赁、售后服务和技术服务、技术咨询等为一体的专业化运营的综合业务公司。

作为太重集团战略转型的重要举措，按照省“两会”及省重点产业链链长制工作会议部署，作为高端装备制造产业链“链主”企业的牵头骨干单位，工程机械公司将紧紧抓住国家支持“两新一重”的政策机遇期和窗口期，主动融入新发展格局，根据太重集团的战略部署，以“精细化，国际化、高端化、智慧化”为方向，立足太重集团在大型矿用挖掘机领域的技术沉淀和品牌影响，充分发挥太重的技术制造优势，以“为用户创造最具竞争力的挖掘机产品与服务”为目标，运用人工智能、5G+ 工业互联网等先进技术，打造具备行业最先进工艺水平的“灯塔”工厂。

同时，带动太重集团液压产品板块实现高端工程机械配套市场突破，解决关键核心零部件“卡脖子”技术，提升国产化替代能力，构建高端产业生态，引领中国制造，坚守实业报国初心。

Shanxi TZCO Construction Machinery Co,Ltd. (hereinafter referred to as "TZCM")is a subsidiary of TZCO Group.

Founded on 27th April, 2021, TZCM is located in Shanxi transformation comprehensive reform demonstration zone, Xiaohe Industrial Park. The covering area of the whole factory is about 650,000 square meter, and the building area is about 290,000 square meter. It is committed to providing optimal solutions of earthmoving and mine construction project for customers, creating core technology, leading industrial progress The planned production capacity is 50,000 units, which is consist of large, medium, small, and mini full range intelligent hydraulic excavators, with an annual sales revenue of over 20 billion RMB.It is an integrated professional operating company of R&D, design, manufacturing, processing, sales, leasing after sales, technical services, and consulting etc.

According to the deployment of provincial “NPC&CPPOC" and provincial work conference of key industrial chain chief system, as an important initiative of strategic transformation of TZCO Group and the leading unit of high-end equipment manufacturing industry chain, the company will seize the policy opportunity of national support for "Major projects include new infrastructure, new urbanization, and transportation and water conservancy projects ", and integrate into the new development pattern. Based on the strategic deployment of TZCO, the company takes "refinement, internationalization, high-end, intelligence" as the direction in line with TZCO's technology and brand influence in the field of large mining excavators and give full play to the technical manufacturing advantages of TZCO. Aiming at "creating the most competitive excavator products and services for customers", advanced technologies such as AI, 5G+IOT will be applied to build a "lighthouse" factory with the most advanced technology in the industry.

For the more, the company will drive the hydraulic products segment of TZCO to achieve a breakthrough in the market of high-end construction machinery, solve the technology of key components, enhance the ability of localization and substitution, build a high-end industrial ecology, lead Chinese manufacturing, and adhere to the original intention of serving the country through industry.

小型燃油液压挖掘机

SMALL FUEL HYDRAULIC EXCAVATOR

小型挖掘机专为市政改造、城镇建设、农田水利、园林绿化等施工设计，具有“高效节能、性能卓越、驾乘舒适、维护便利”等特点。

Small excavators, with "high efficiency and energy saving, excellent performance, comfortable ride, convenient maintenance", are widely used for municipal renovation, urban construction, water conservation, landscaping working conditions.

- 采用一流品牌发动机，动力强劲、性能可靠。
  Adopts first-class brand engine with strong power and reliable performance.
- 进气采用一级离心式预滤 + 二级精滤 (主滤 + 安全滤)。
  Air intake adopts a first-stage centrifugal pre-filter + a second-stage fine filter (main filter + safety filter).
- 专业定制化液压系统，根据负载自动匹配流量，复合动作流、控制精准。
  Professional customized hydraulic system, automatically matching flow according to load, compound action flow and precise control.
- 工作装置结构优化设计，避免局部应力集中，提高作业效率。
  The structure of the working device is optimized to avoid local stress concentration and improve working efficiency.
- 底盘稳定性好，四轮一带采用行业知名品牌。
  Chassis stability is good, adopts well-known brands in four-wheel and belt system.
- 超大空间驾驶室，视野和操作舒适性显著提升，标配触摸显示屏、一键启动等功能。
  Large space cab, visual field and operation comfort significantly improved, standard touch display, one-click start and other functions.

项目 Items			TZ18	TZ36U	TZ55
整机参数 Key Spec.	操作重量 Operating weight	kg	1950	3900	5910
	铲斗容量 Bucket capacity	m³	0.05	0.13	0.21
发动机 Engine	发动机型号 Engine model	/	Yanmar 3TNV80F-SPSY3	Yanmar 3TNV88	Yanmar 4TNV94L
	直喷 Direct injection	/	/	√	√
	4 冲程 4-stroke	/	√	√	√
	水冷 Water cooled	/	√	√	√
	缸数 No. of cylinders	/	3	3	4
	发动机额定功率 Rated power	kW/rpm	14.6/2400	22.4/2200	36.3/2100
	排量 Displacement	L	1.267	1.6	3.054
液压系统 Hydraulic System	主泵额定流量 Rated flow of main pump	L/min	64	99	151
	主安全阀压力 Pressure-main valve	MPa	23.6	24.5	21.5
	行走系统压力 Pressure-travel system	MPa	23.6	24.5	21.5
	回转系统压力 Pressure-swing system	MPa	11	24.5	21.5
	先导系统压力 Pressure-pilot system	MPa	3.9	3.9	3.5
油类容量 Oil Capacity	燃油箱容积 Fuel tank	L	21	40	130
	液压油箱容积 Hydraulic tank	L	15	40	85
	发动机机油容量 Engine oil	L	3.4	6	12
主要性能 Main Performance	行走速度（高 / 低） Travel speed (high/low)	km/h	3.8/2.4	4.4/2.6	4.1/2.4
	回转速度 Swing speed	r/min	9.1	10	11.9
	爬坡能力 Gradeability	°	30	35	35
	接地比压 Ground pressure	kPa	30.5	34	32
	铲斗挖掘力 Bucket digging force	kN	14.2	30	48

项目 Items			TZ18	TZ36U	TZ55
主要性能 Main Performance	斗杆挖掘力 Arm digging force	kN	8.8	19.9	32
	最大牵引力 Max. traction force	kN	19.5	34	45
标配 Standard	动臂长度 Boom length	mm	1828	2540	3000
	斗杆长度 Arm length	mm	950	1400	1600
	铲斗斗容 Bucket capacity	m³	0.05	0.13	0.21
外形尺寸 Dimensions	总长 Overall length	mm	3560	4875	6088
	总宽 Overall width	mm	990/1280	1730	1960
	总高（驾驶室顶） Overall height (to top of cab)	mm	2426	2550	2686
	总高（动臂顶） Total height (boom top)	mm	/	/	2487
	转台宽度 Overall width of upperstructure	mm	990	1543	1876
	履带长度 Track length	mm	1585	2122	2488
	底盘宽度 Chassis width	mm	990/1280	1730	1960
	履带宽度 Track shoe width	mm	230	300	400
	履带轴距 Track length on ground	mm	1230	1640	1975
	轨距 Track gauge	mm	760/1050	1430	1560
	配重离地间隙 Counterweight clearance	mm	495	590	768
	最小离地间隙 Min. ground clearance	mm	150	295	393
	尾部最小回转半径 Min. tail swing radius	mm	640	2360	1650
	履带高度 Track height	mm	395	524	580
工作范围 Working Ranges	最大挖掘高度 Max. digging height	mm	3565	4925	5805
	最大卸载高度 Max. dumping height	mm	2480	3475	4070
	最大挖掘深度 Max. digging depth	mm	2270	3135	3815
	最大垂直挖掘深度 Max. vertical wall digging depth	mm	1735	2280	2762
	最大挖掘半径 Max. digging reach on ground	mm	3900	5507	6163
	最小回转半径 Min. swing radius	mm	1470	2360	2900

项目 Items			TZ60	TZ80	TZ135
整机参数 Key Spec.	操作重量 Operating weight	kg	5960	7700	13500
	铲斗容量 Bucket capacity	m³	0.23	0.34	0.7
发动机 Engine	发动机型号 Engine model	/	Yanmar 4TNV94L	Yanmar 4TNV98C-CSCTY	Cummins QCF3.8
	直喷 Direct injection	/	√	√	√
	4 冲程 4-stroke	/	√	√	√
	水冷 Water cooled	/	√	√	√
	缸数 No. of cylinders	/	4	4	4
	发动机额定功率 Rated power	kW/rpm	36.3/2100	46.3/2200	86/2200
	排量 Displacement	L	3.054	3.319	3.8
液压系统 Hydraulic System	主泵额定流量 Rated flow of main pump	L/min	151	176	118x2
	主安全阀压力 Pressure-main valve	MPa	21.5	26.3	34.3
	行走系统压力 Pressure-travel system	MPa	21.5	26.3	34.3
	回转系统压力 Pressure-swing system	MPa	21.5	23.5	27
	先导系统压力 Pressure-pilot system	MPa	3.5	3.5	3.6
油类容量 Oil Capacity	燃油箱容积 Fuel tank	L	130	136	270
	液压油箱容积 Hydraulic tank	L	85	113	170
	发动机机油容量 Engine oil	L	12	10	15
主要性能 Main Performance	行走速度（高 / 低） Travel speed (high/low)	km/h	4.1/2.4	4.7/2.5	5.5/3.5
	回转速度 Swing speed	r/min	11.9	11.6	12.2
	爬坡能力 Gradeability	°	35	35	35
	接地比压 Ground pressure	kPa	32	33	41.2
	铲斗挖掘力 Bucket digging force	kN	48	56	102.8

项目 Items			TZ60	TZ80	TZ135
主要性能 Main Performance	斗杆挖掘力 Arm digging force	kN	32	38	65
	最大牵引力 Max. traction force	kN	45	66.3	121.2
标配 Standard	动臂长度 Boom length	mm	3000	3720	4600
	斗杆长度 Arm length	mm	1600	1670	2500
	铲斗斗容 Bucket capacity	m³	0.23	0.34	0.7
外形尺寸 Dimensions	总长 Overall length	mm	6088	6145	7700
	总宽 Overall width	mm	1960	2250	2550
	总高（驾驶室顶） Overall height (to top of cab)	mm	2686	2722	2918
	总高（动臂顶） Total height (boom top)	mm	2487	2722	2685
	转台宽度 Overall width of upperstructure	mm	1876	2040	2490
	履带长度 Track length	mm	2488	2827	3665
	底盘宽度 Chassis width	mm	1960	2250	2490
	履带宽度 Track shoe width	mm	400	450	500
	履带轴距 Track length on ground	mm	2035	2200	2930
	轨距 Track gauge	mm	1560	1800	1990
	配重离地间隙 Counterweight clearance	mm	768	800	911
	最小离地间隙 Min. ground clearance	mm	393	385	425
	尾部最小回转半径 Min. tail swing radius	mm	1650	1750	2255
	履带高度 Track height	mm	580	700	827
工作范围 Working Ranges	最大挖掘高度 Max. digging height	mm	5805	7173	8598
	最大卸载高度 Max. dumping height	mm	4070	5259	6206
	最大挖掘深度 Max. digging depth	mm	3815	4152	5470
	最大垂直挖掘深度 Max. vertical wall digging depth	mm	2762	3415	4921
	最大挖掘半径 Max. digging reach on ground	mm	6163	6355	8317
	最小回转半径 Min. swing radius	mm	2900	2085	2501

中型燃油液压挖掘机

MEDIUM FUEL HYDRAULIC EXCAVATOR

中型挖掘机专为土方、小型矿山工况设计，以提高客户投资回报率为目标。与竞争品牌相比，有“超优性能、超强适应性、超人性化的配置、超低维护管理成本”等特点。

Medium excavators are designed for earthmoving and small-scale mining conditions, with the goal of increasing the customer's ROI. Compared with other brands, it has the features of "excellent performance, strong adaptability, humanized configurations, very low maintenance and management costs".

- 采用一线品牌发动机，扭矩储备足，相对负荷小，可靠耐用，燃油系统三级过滤，燃油箱设置放水阀和顶部呼吸结构，严防水分和杂质侵入发动机。
  Adopts first brand engine, sufficient torque reserve, small relative load, reliable and durable, three-stage filtration of fuel system, water drain valve and top breathing structure of fuel tank, strictly prevent water and impurities from invading the engine.
- D 型梁结构转台，强度高，可靠耐用。
  D-beam structure turntable, high strength, reliable and durable.
- 动臂三段式结构，根部燕尾结构，结构更合理，受力特性更好。
  Three-stage structure of the boom, root dovetail structure, more reasonable structure, better stress characteristics.
- 斗杆三段式结构，优化轴座锻件结构，消除焊缝缺陷，可靠性大幅提升。
  Bucket bar three-stage structure, optimize shaft forging structure, eliminate weld defects, reliability greatly improved.
- 铲斗三维仿真设计，斗型合理，降低了挖掘阻力和磨损斗体应力，提高了可靠性。
  The three-dimensional simulation design of the bucket, reasonable bucket shape, reduce the excavation resistance and bucket body stress, improve the reliability.
- 加长加宽底盘，稳定性好，通过性高。
  Lengthen and widen chassis, good stability, high passability.

项目 Items			TZ210	TZ215	TZ225	TZ260	TZ330
整机参数 Key Spec.	操作重量 Operating weight	kg	22030	22462	23869	26705	33000
	铲斗容量 Bucket capacity	m³	1.1	1.0	1.1	1.5	2.0
发动机 Engine	发动机型号 Engine model	/	Cummins QSB7	Cummins QSB7	Cummins QSB7	Cummins QSB7	Cummins QSB6.7
	直喷 Direct injection	/	√	√	√	√	√
	4 冲程 4-stroke	/	√	√	√	√	√
	水冷 Water cooled	/	√	√	√	√	√
	缸数 No. of cylinders	/	6	6	6	6	6
	发动机额定功率 Rated power	kW/rpm	135/2050	135/2050	135/2050	150/2000	194/2200
	排量 Displacement	L	6.7	6.7	6.7	6.7	6.7
液压系统 Hydraulic System	主泵额定流量 Rated flow of main pump	L/min	266.5×2	266.5×2	266.5×2	266.5×2	288×2
	主安全阀压力 Pressure-main valve	MPa	34.3	34.3	34.3	34.3	34.3
	行走系统压力 Pressure-travel system	MPa	34.3	34.3	34.3	34.3	34.3
	回转系统压力 Pressure-swing system	MPa	26	25.5	25.5	25.5	29
	先导系统压力 Pressure-pilot system	MPa	3.6	3.9	3.9	3.9	3.9
油类容量 Oil Capacity	燃油箱容积 Fuel tank	L	380	400	400	420	625
	液压油箱容积 Hydraulic tank	L	260	260	260	290	275
	发动机机油容量 Engine oil	L	24	24	24	25	25
主要性能 Main Performance	行走速度（高 / 低） Travel speed (high/low)	km/h	5.7/3.2	5.5/3.3	5.5/3.3	5.6/3.7	5.3/3.2
	回转速度 Swing speed	r/min	10.8	10.7	10.7	10.7	9.77
	爬坡能力 Gradeability	°	35	35	35	35	35
	接地比压 Ground pressure	kPa	58.9	51.1	52.3	56	62.2
	铲斗挖掘力 Bucket digging force	kN	136	137	138	174	190.5

项目 Items			TZ210	TZ215	TZ225	TZ260	TZ330
主要性能 Main Performance	斗杆挖掘力 Arm digging force	kN	102	100	100	121	155.9
	最大牵引力 Max. traction force	kN	197	206	206	225	267
标配 Standard	动臂长度 Boom length	mm	5680	5680	5680	6000	6200
	斗杆长度 Arm length	mm	2919	2919	2919	2950	2900
	铲斗斗容 Bucket capacity	m³	1.1	1	1.1	1.5	2
外形尺寸 Dimensions	总长 Overall length	mm	9622	9609	9609	10185	10726
	总宽 Overall width	mm	2545	2800	2980	3190	3190
	总高（驾驶室顶） Overall height (to top of cab)	mm	3109	3072	3072	3121	3167
	总高（动臂顶） Total height (boom top)	mm	3029	3029	3029	3287	3601
	转台宽度 Overall width of upperstructure	mm	2520	2750	2750	2995	3000
	履带长度 Track length	mm	4066	4066	4250	4452	5100
	底盘宽度 Chassis width	mm	2530	2800	2980	3190	3190
	履带宽度 Track shoe width	mm	500	600	600	600	600
	履带轴距 Track length on ground	mm	3260	3260	3445	3650	4140
	轨距 Track gauge	mm	2030	2200	2380	2590	2590
	配重离地间隙 Counterweight clearance	mm	1123	1123	1123	1142	1226
	最小离地间隙 Min. ground clearance	mm	467	472	472	473	550
	尾部最小回转半径 Min. tail swing radius	mm	2895	2880	2880	2980	3315
	履带高度 Track height	mm	951	951	951	951	1077
工作范围 Working Ranges	最大挖掘高度 Max. digging height	mm	9544	9592	9592	9889	10125
	最大卸载高度 Max. dumping height	mm	6708	6747	6747	7059	7281
	最大挖掘深度 Max. digging depth	mm	6552	6551	6551	6771	6652
	最大垂直挖掘深度 Max. vertical wall digging depth	mm	5818	5596	5596	5572	6175
	最大挖掘半径 Max. digging reach on ground	mm	9933	9894	9894	10356	10616
	最小回转半径 Min. swing radius	mm	3674	3674	3674	3884	4091

大型燃油液压挖掘机

LARGE FUEL HYDRAULIC EXCAVATOR

大型挖掘机适用于露天矿、铁矿等重载工况，同时兼顾土方剥离、破碎工况，以强大的重载作业能力以及高效、可靠为目标，通过精细化匹配控制技术，作业油耗优于竞品。

Large excavators, with strong heavy-duty operating capability, high efficiency and reliability, are especially suitable for heavy-duty working conditions such as surface mining, iron ore, etc., as well as the earthwork stripping and crushing conditions, andthe fuel consumption is better than that of competitors due to the refinement of the matching and control technology.

- 发动机、液压件均采用行业一流品牌，稳定可靠。
  First-class brand are used in engine and hydraulic , stable and reliable.
- 加宽加高的大截面动臂、斗杆，整体强度高。
  The wide and high section boom and bucket rod have high overall strength.
- 采用多级大容量过滤系统，轻松应对各种油品，为发动机保驾护航。
  Multistage large-capacity filtration system is adopted to easily cope with various oil products and escort the engine.
- 矿山专用四轮一带，双筋加高加厚履带，适用于各种恶劣工况。
  Mine specialized four-wheel and belt system, double reinforcement and thick track, suitable for all kinds of harshworking conditions.
- 全新一代驾驶室，汽车级电子化配置，空气悬浮座椅，触摸大屏，总线控制盒，新款空调，提高整机舒适性，全面提升驾驶感受。
  A new generation of cab, automotive grade electronic configuration, air suspension seat, touchscreen, bus control box, new air conditioning, improve the comfort of the whole machine and the driving experience.

项目 Items			TZ380	TZ500	TZ500	TZ550	TZ550
整机参数 Key Spec.	操作重量 Operating weight	kg	39200	50000	50000	53000	53000
	铲斗容量 Bucket capacity	m³	2.1	2.6	2.6	3.2	3.2
发动机 Engine	发动机型号 Engine model	/	Cummins L9	Cummins X12S3A375	Scania DC13 076A	Scania DC13 076A	Cummins X12S3A375
	直喷 Direct injection	/	√	√	√	√	√
	4 冲程 4-stroke	/	√	√	√	√	√
	水冷 Water cooled	/	√	√	√	√	√
	缸数 No. of cylinders	/	6	6	6	6	6
	发动机额定功率 Rated power	kW/rpm	243/1900	280/2100	294/2100	294/2100	280/2100
	排量 Displacement	L	8.9	11.8	12.8	12.8	11.8
液压系统 Hydraulic System	主泵额定流量 Rated flow of main pump	L/min	306×2	414x2	414x2	414x2	414x2
	主安全阀压力 Pressure-main valve	MPa	34.3	34.3	34.3	34.3	34.3
	行走系统压力 Pressure-travel system	MPa	34.3	34.3	34.3	34.3	34.3
	回转系统压力 Pressure-swing system	MPa	26	26.9	26.9	26.9	26.9
	先导系统压力 Pressure-pilot system	MPa	3.9	3.9	3.9	3.9	3.9
油类容量 Oil Capacity	燃油箱容积 Fuel tank	L	580	790	790	790	790
	液压油箱容积 Hydraulic tank	L	290	320	320	320	320
	发动机机油容量 Engine oil	L	50	45	45	45	45
主要性能 Main Performance	行走速度（高 / 低） Travel speed (high/low)	km/h	5.3/3.0	5.0/3.0	5.0/3.0	5.0/3.0	5.0/3.0
	回转速度 Swing speed	r/min	8.9	8	8	8	8
	爬坡能力 Gradeability	°	35	35	35	35	35
	接地比压 Ground pressure	kPa	69	89.5	89.5	95	95
	铲斗挖掘力 Bucket digging force	kN	238	316	316	310	310

项目 Items			TZ380	TZ500	TZ500	TZ550	TZ550
主要性能 Main Performance	斗杆挖掘力 Arm digging force	kN	227	280	280	276	276
	最大牵引力 Max. traction force	kN	320	378	378	378	378
标配 Standard	动臂长度 Boom length	mm	6500	7000	7000	7000	7000
	斗杆长度 Arm length	mm	2800	2800	2800	2800	2800
	铲斗斗容 Bucket capacity	m³	2.1	2.6	2.6	3.2	3.2
外形尺寸 Dimensions	总长 Overall length	mm	11418	12195	12195	12245	12245
	总宽 Overall width	mm	3190	3574	3574	3574	3574
	总高（驾驶室顶） Overall height (to top of cab)	mm	3286	3280	3280	3280	3280
	总高（动臂顶） Total height (boom top)	mm	3820	3845	3845	3850	3850
	转台宽度 Overall width of upperstructure	mm	3030	3125	3125	3125	3125
	履带长度 Track length	mm	5090	5480	5480	5480	5480
	底盘宽度 Chassis width	mm	3190	3340	3340	3340	3340
	履带宽度 Track shoe width	mm	600	600	600	600	600
	履带轴距 Track length on ground	mm	4140	4410	4410	4410	4410
	轨距 Track gauge	mm	2590	2740	2740	2740	2740
	配重离地间隙 Counterweight clearance	mm	1263	1320	1320	1320	1320
	最小离地间隙 Min. ground clearance	mm	544	514	514	514	514
	尾部最小回转半径 Min. tail swing radius	mm	3510	3806	3806	3806	3806
	履带高度 Track height	mm	1142	1140	1140	1150	1150
工作范围 Working Ranges	最大挖掘高度 Max. digging height	mm	10122	10784	10784	10882	10882
	最大卸载高度 Max. dumping height	mm	7002	7449	7449	7334	7334
	最大挖掘深度 Max. digging depth	mm	7112	7209	7209	7305	7305
	最大垂直挖掘深度 Max. vertical wall digging depth	mm	6861	6507	6507	6592	6592
	最大挖掘半径 Max. digging reach on ground	mm	10620	11626	11626	11480	11480
	最小回转半径 Min. swing radius	mm	4385	5288	5288	5358	5358

项目 Items			TZ750	TZ750	TZ1000	TZ1350
整机参数 Key Spec.	操作重量 Operating weight	kg	77400	77000	97000	130000
	铲斗容量 Bucket capacity	m³	5	5	6.5	8
发动机 Engine	发动机型号 Engine model	/	Scania DC16	Weichai 17T	Scania DC16 088A	Cummins QSK23
	直喷 Direct injection	/	√	√	√	√
	4冲程 4-stroke	/	√	√	√	√
	水冷 Water cooled	/	√	√	√	√
	缸数 No. of cylinders	/	8	6	8	6
	发动机额定功率 Rated power	kW/rpm	405/1800	566/1900	574/1800	567/1800
	排量 Displacement	L	16.4	16.6	16.4	23.15
液压系统 Hydraulic System	主泵额定流量 Rated flow of main pump	L/min	504x2	504x2	2x488+435	455x4
	主安全阀压力 Pressure-main valve	MPa	34.3	34.3	34.3	34.3
	行走系统压力 Pressure-travel system	MPa	34.3	34.3	34.3	34.3
	回转系统压力 Pressure-swing system	MPa	26	26	38	27
	先导系统压力 Pressure-pilot system	MPa	3.9	3.9	3.9	3.9
油类容量 Oil Capacity	燃油箱容积 Fuel tank	L	950	950	1200	1600
	液压油箱容积 Hydraulic tank	L	430	430	500	1400
	发动机机油容量 Engine oil	L	52	56	55	70
主要性能 Main Performance	行走速度（高/低） Travel speed (high/low)	km/h	4.0/2.8	4.0/2.8	3.2/2.2	3.4/2.3
	回转速度 Swing speed	r/min	6.5	6.5	6.5	5.5
	爬坡能力 Gradeability	°	35	35	35	30
	接地比压 Ground pressure	kPa	109	109	128	150.5
	铲斗挖掘力 Bucket digging force	kN	398	398	468	630

项目 Items			TZ750	TZ750	TZ1000	TZ1350
主要性能 Main Performance	斗杆挖掘力 Arm digging force	kN	334	334	435	486
	最大牵引力 Max. traction force	kN	506	506	632	746
标配 Standard	动臂长度 Boom length	mm	7000	7000	7250	7600
	斗杆长度 Arm length	mm	2900	2800	2925	3400
	铲斗斗容 Bucket capacity	m³	4.6	5	6.5	8
外形尺寸 Dimensions	总长 Overall length	mm	12818	12837	13962	14842
	总宽 Overall width	mm	4504	4504	4510	5682
	总高（驾驶室顶） Overall height (to top of cab)	mm	3710	3710	5200	4317
	总高（动臂顶） Total height (boom top)	mm	4844	4873	/	6984
	转台宽度 Overall width of upperstructure	mm	3460	3460	3480	3500
	履带长度 Track length	mm	5950	5950	6427	6551
	底盘宽度 Chassis width	mm	4060	4060	4160	4600
	履带宽度 Track shoe width	mm	650	650	650	700
	履带轴距 Track length on ground	mm	4740	4740	5180	5150
	轨距 Track gauge	mm	3410	3410	3510	3900
	配重离地间隙 Counterweight clearance	mm	1610	1610	1658	1899
	最小离地间隙 Min. ground clearance	mm	934	934	939	1127
	尾部最小回转半径 Min. tail swing radius	mm	4310	4155	4738	5110
	履带高度 Track height	mm	1461	1461	1522	1723
工作范围 Working Ranges	最大挖掘高度 Max. digging height	mm	11692	11664	12115	12601
	最大卸载高度 Max. dumping height	mm	7667	7604	8100	8046
	最大挖掘深度 Max. digging depth	mm	7469	7476	6921	7983
	最大垂直挖掘深度 Max. vertical wall digging depth	mm	6940	6867	4070	5047
	最大挖掘半径 Max. digging reach on ground	mm	11980	11992	12073	13862
	最小回转半径 Min. swing radius	mm	5205	5271	5871	6551

新能源挖掘机

NEW ENERGY EXCAVATOR

新能源挖掘机包括电动挖掘机TZ08E ~TZ350E，氢能源挖掘机TZ240EH、TZ350EH，甲醇挖掘机TZ245EM、TZ1600EM。零排放、响应速度快，作业效率更高，且综合使用成本低，可广泛用于市政改造、园林绿化、管线铺设和农田水利、港口、隧道等，以及对排放要求更高的行业和作业环境。

New energy excavators include electric excavators(TZ08E ~ TZ350E), hydrogen excavators (TZ240EH, TZ350EH) and methanol excavators(TZ245EM, TZ1600EM). Be widely used in landscaping, pipeline laying and farmland water conservancy, ports, tunnels, etc., as well as industries and operating environments with higher emission requirements. Zero emissions, rapid response, high operational efficiency, and low usage cost.

- 采用纯电池供电，大功率永磁闹步电机，根据实际测试可满足长时间连续施工，快充时间2小时以内，综合使用成本较同级别燃油挖掘机大幅降低。
  Powered by pure batteries and equipped with a high-power permanent magnet stepper motor,which meets the requirements of long-term continuous construction. The fast charging time is within 2 hours, and the comprehensive cost is significantly reduced compared to similar fuel powered excavators.
- 低噪音、零排放，三电系统采用知名品牌，安全可靠。
  Low noise, zero emissions, three power system using well-known brands, safe and reliable.
- 采用负载敏感液压系统，实现优越操作性和多功能配置选择
  Adopts sensitive loading hydraulic system for superior operability and versatile configuration options.
- 新一代驾驶室，触摸屏，总线控制盒，集成式收音机，提升驾驶感受。
  New generation cab, touch screen, bus control box, integrated radio, enhance driving experience.

项目 Items			TZ08E	TZ18E	TZ60E	TZ130E
整机参数 Key Spec.	操作重量 Operating weight	kg	1075	1965	6200	14100
	铲斗容量 Bucket capacity	m^3	0.025	0.05	0.23	0.66
电机 Motor	电机型号 Motor model	/	XQDY-7.4	TZ180XSA01	YQW3-160X-20A-RA2	TZ290XSHY80B
	电机额定功率 Motor rated power	kW/rpm	7.4/3225	10/2000	44/2000	80/1900
液压系统 Hydraulic System	主泵额定流量 Rated flow of main pump	L/min	2×11	64	144	2×118
	主安全阀压力 Pressure-main valve	MPa	16	21.6	23.2	34.3
	行走系统压力 Pressure-travel system	MPa	16	21.6	23.2	34.3
	回转系统压力 Pressure-swing system	MPa	11	11	23	27
	先导系统压力 Pressure-pilot system	MPa	3.9	3.9	3.5	27
电池性能 Battery performance	电池系统电量 Capacity	kWh	11.8	21.5	86	210.1
	充电时间 Charging time	h	2（快充 Fast charge） 4（慢充 Slow charge）	1.5（快充 Fast charge） 4（慢充 Slow charge）	1.5（快充 Fast charge） 5（慢充 Slow charge）	2
	续航时间 Endurance	h	4—6	4—6	4—6	6—8
主要性能 Main Performance	行走速度（高 / 低） Travel speed (high/low)	km/h	3.2/1.5	3.8/2.4	4.4/2.4	5.2/3.0
	回转速度 Swing speed	r/min	8.2	9.1	11.9	11.8
	爬坡能力 Gradeability	°	30	30	35	35
	接地比压 Ground pressure	kPa	28	32.5	32	43.98
	铲斗挖掘力 Bucket digging force	kN	9.9	14.2	48	101.8
	斗杆挖掘力 Arm digging force	kN	4.5	8.5	32	62
	最大牵引力 Max. traction force	kN	8.8	19.5	45	123
标配 Standard	动臂长度 Boom length	mm	1322	1828	3000	4600
	斗杆长度 Arm length	mm	890	950	1600	2500
	铲斗斗容 Bucket capacity	m^3	0.025	0.05	0.23	0.66

项目 Items			TZ08E	TZ18E	TZ60E	TZ130E
外形尺寸 Dimensions	总长 Overall length	mm	2833	3560	6088	8370
	总宽 Overall width	mm	750/990	990/1280	1960	2550
	总高（驾驶室顶） Overall height (to top of cab)	mm	2259	2490	2487	2918
	总高（动臂顶） Overall height (to top of arm)	mm	/	/	2686	2685
	转台宽度 Overall width of upperstructure	mm	750	990	1876	2575
	履带长度 Track length	mm	1298	1565	2558	3665
	底盘宽度 Chassis width	mm	750/990	990/1280	1960	2490
	履带宽度 Track shoe width	mm	180	230	400	500
	履带轴距 Track length on ground	mm	975	1230	2035	2930
	轨距 Track gauge	mm	570/810	760	1560	1990
	配重离地间隙 Counterweight clearance	mm	415	495	788	930
	最小离地间隙 Min. ground clearance	mm	120	150	393	425
	尾部最小回转半径 Min. tail swing radius	mm	750	900	1650	2905
	履带高度 Track height	mm	328	395	580	819
工作范围 Working Ranges	最大挖掘高度 Max. digging height	mm	2880	3565	5805	8579
	最大卸载高度 Max. dumping height	mm	2024	2480	4070	6188
	最大挖掘深度 Max. digging depth	mm	1725	2270	3815	5456
	最大垂直挖掘深度 Max. vertical wall digging depth	mm	1260	1735	2762	4888
	最大挖掘半径 Max. digging reach on ground	mm	3167	3900	5998	8283
	最小回转半径 Min. swing radius	mm	1244	1470	1650	2500

项目 Items			TZ150E	TZ210E	TZ240E	TZ270E	TZ350E
整机参数 Key Spec.	操作重量 Operating weight	kg	15000	21543	24620	27000	35042
	铲斗容量 Bucket capacity	m^3	0.7	0.93	1.1	1.3	2
电机 Motor	电机型号 Motor model	/	TZ290XSHY80B	YQW3-225B-20-Q	YQW3-225B-20-Q	YQW3-225B-20-Q	TZ390ET-S250
	电机额定功率 Motor rated power	kW/rpm	80/1900	150/1790	150/1770	150/1770	250/1800
液压系统 Hydraulic System	主泵额定流量 Rated flow of main pump	L/min	2×118	2×266.5	2×266.5	2×266.5	2×306
	主安全阀压力 Pressure-main valve	MPa	34.3	34.3	34.3	34.3	34.3
	行走系统压力 Pressure-travel system	MPa	34.3	34.3	34.3	34.3	34.3
	回转系统压力 Pressure-swing system	MPa	27	25.5	25.5	25.5	27
	先导系统压力 Pressure-pilot system	MPa	3.5	3.5	3.5	3.9	3.9
电池性能 Battery performance	电池系统电量 Capacity	kWh	210.1	360	360	430.85	421
	充电时间 Charging time	h	2	2	2	2	1.5
	续航时间 Endurance	h	6—8	6—10	6—10	6—10	4—6
主要性能 Main Performance	行走速度（高 / 低） Travel speed (high/low)	km/h	5.2/3.0	5.9/3.3	5.9/3.3	5.6/3.5	6.0/3.6
	回转速度 Swing speed	r/min	11.8	10.7	10.7	10.7	7.9
	爬坡能力 Gradeability	°	35	35	35	35	35
	接地比压 Ground pressure	kPa	45.8	47.1	55	54.9	63
	铲斗挖掘力 Bucket digging force	kN	101.8	138	137	176	196
	斗杆挖掘力 Arm digging force	kN	64.08	106	100	121	160
	最大牵引力 Max. traction force	kN	123	206	206	225	248
标配 Standard	动臂长度 Boom length	mm	4600	5680	5680	5900	6150
	斗杆长度 Arm length	mm	2500	2710	2919	2950	2900
	铲斗斗容 Bucket capacity	m^3	0.7	0.93	1.1	1.3	2

项目 Items			TZ150E	TZ210E	TZ240E	TZ270E	TZ350E
外形尺寸 Dimensions	总长 Overall length	mm	8370	10176	10510	10885	11392
	总宽 Overall width	mm	2550	2800	2980	3190	3196
	总高（驾驶室顶） Overall height (to top of cab)	mm	2918	3180	3072	3121	3205
	总高（动臂顶） Overall height (to top of arm)	mm	2685	3200	3212	3198	3382
	转台宽度 Overall width of upperstructure	mm	2575	2750	2750	2995	3030
	履带长度 Track length	mm	3750	4064	4250	4452	5080
	底盘宽度 Chassis width	mm	2490	2800	2980	3190	3190
	履带宽度 Track shoe width	mm	500	600	600	600	600
	履带轴距 Track length on ground	mm	3010	3261	3445	3650	4140
	轨距 Track gauge	mm	1990	2200	2380	2590	2590
	配重离地间隙 Counterweight clearance	mm	930	1118	1123	1141.5	1252
	最小离地间隙 Min. ground clearance	mm	427	467	455	473	547
	尾部最小回转半径 Min. tail swing radius	mm	2905	3723	3780	3780	3944
	履带高度 Track height	mm	827	950	950	950	1069
工作范围 Working Ranges	最大挖掘高度 Max. digging height	mm	8579	9622	9592	9808	10152
	最大卸载高度 Max. dumping height	mm	6188	6841	6747	6805	7021
	最大挖掘深度 Max. digging depth	mm	5456	6417	6551	6702	6601
	最大垂直挖掘深度 Max. vertical wall digging depth	mm	4888	5743	5596	5543	6099
	最大挖掘半径 Max. digging reach on ground	mm	8283	9796	9894	10050	10660
	最小回转半径 Min. swing radius	mm	2500	3410	3674	3821	4147

项目 Items			TZ240EH	TZ350EH
整机参数 Key Spec.	操作重量 Operating weight	kg	22600	34624.63
	铲斗容量 Bucket capacity	m^3	1.1	1.66
电机 Motor	电机型号 Motor model	/	TQW3-225B-20-Q	TZ390ET-S250
	电机额定功率 Motor rated power	kW/rpm	150/1770	250/1800
液压系统 Hydraulic System	主泵额定流量 Rated flow of main pump	L/min	2×260	2×306
	主安全阀压力 Pressure-main valve	MPa	34.3	34.3
	行走系统压力 Pressure-travel system	MPa	34.3	34.3
	回转系统压力 Pressure-swing system	MPa	25.5	27
	先导系统压力 Pressure-pilot system	MPa	3.9	3.9
氢燃料电池发动机 Hydrogen Fuel Cell Engine	氢燃料电池发动机型号 Hydrogen fuel cell engine model	/	镜星八 PRISMA VIII	KHP100000036
	氢气容量 Hydrogen capacity	L	780	2340
	加氢时间 Hydrogenation time	min	3—5	3—5
电池性能 Battery performance	电池系统电量 Capacity	kWh	67.13	99.11
	充电时间 Charging time	h	0.5	0.3
	续航时间 Endurance	h	1	1
主要性能 Main Performance	行走速度（高 / 低） Travel speed (high/low)	km/h	5.9/3.3	6.0/3.6
	回转速度 Swing speed	r/min	10.7	7.9
	爬坡能力 Gradeability	°	35	35
	接地比压 Ground pressure	kPa	47.1	63
	铲斗挖掘力 Bucket digging force	kN	137	196
	斗杆挖掘力 Arm digging force	kN	100	160
	最大牵引力 Max. traction force	kN	206	248

项目 Items			TZ240EH	TZ350EH
标配 Standard	动臂长度 Boom length	mm	5680	6150
	斗杆长度 Arm length	mm	2919	2900
	铲斗斗容 Bucket capacity	m^3	1.1	1.66
外形尺寸 Dimensions	总长 Overall length	mm	10739	11922
	总宽 Overall width	mm	2980	3196
	总高（驾驶室顶） Overall height (to top of cab)	mm	3103	3205
	总高（动臂顶） Overall height (to top of arm)	mm	3212	3382
	转台宽度 Overall width of upperstructure	mm	2750	3030
	履带长度 Track length	mm	4250	5080
	底盘宽度 Chassis width	mm	2980	3190
	履带宽度 Track shoe width	mm	600	600
	履带轴距 Track length on ground	mm	3445	4140
	轨距 Track gauge	mm	2380	2590
	配重离地间隙 Counterweight clearance	mm	1123	1269
	最小离地间隙 Min. ground clearance	mm	455	547
	尾部最小回转半径 Min. tail swing radius	mm	4010	4473
	履带高度 Track height	mm	950	1069
工作范围 Working Ranges	最大挖掘高度 Max. digging height	mm	9592	10012
	最大卸载高度 Max. dumping height	mm	6747	7028
	最大挖掘深度 Max. digging depth	mm	6551	6513
	最大垂直挖掘深度 Max. vertical wall digging depth	mm	5596	6009
	最大挖掘半径 Max. digging reach on ground	mm	9894	10363
	最小回转半径 Min. swing radius	mm	3674	4473

项目 Items			TZ245EM	TZ1600EM
整机参数 Key Spec.	操作重量 Operating weight	kg	24300	163022
	铲斗容量 Bucket capacity	m^3	1.1	10
电机 Motor	电机型号 Motor model	/	YQW3-225B-20-Q	EK225700PMS1
	水冷 Water cooled	/	√	√
	电机额定功率 Motor rated power	kW/rpm	150/1790	675/1500
液压系统 Hydraulic System	主泵额定流量 Rated flow of main pump	L/min	2×266.5	4×531
	主安全阀压力 Pressure-main valve	MPa	34.3	34.3
	行走系统压力 Pressure-travel system	MPa	34.3	34.3
	回转系统压力 Pressure-swing system	MPa	25.5	30
	先导系统压力 Pressure-pilot system	MPa	3.5	3.9
电池性能 Battery performance	电池系统电量 Capacity	kWh	52.99	176
	充电时间 Charging time	h	/	/
	续航时间 Endurance	h	/	/
	总电压 Totai voltage	V	588.8	618.24
主要性能 Main Performance	行走速度（高 / 低） Travel speed (high/low)	km/h	5.9/3.3	2.8/1.9
	回转速度 Swing speed	r/min	10.7	6.1
	爬坡能力 Gradeability	°	35	28.7
	接地比压 Ground pressure	kPa	47.1	163
	铲斗挖掘力 Bucket digging force	kN	137	706
	斗杆挖掘力 Arm digging force	kN	100	643
	最大牵引力 Max. traction force	kN	206	987

项目 Items			TZ245EM	TZ1600EM
标配 Standard	动臂长度 Boom length	mm	5680	7800
	斗杆长度 Arm length	mm	2919	3400
	铲斗斗容 Bucket capacity	m^3	1.1	10
外形尺寸 Dimensions	总长 Overall length	mm	10740	17546
	总宽 Overall width	mm	2980	5732
	总高（驾驶室顶） Overall height (to top of cab)	mm	3072	5030
	总高（动臂顶） Overall height (to top of arm)	mm	3212	6675
	转台宽度 Overall width of upperstructure	mm	2750	3650
	履带长度 Track length	mm	4250	7336
	底盘宽度 Chassis width	mm	2980	5150
	履带宽度 Track shoe width	mm	600	750
	履带轴距 Track length on ground	mm	3445	5750
	轨距 Track gauge	mm	2380	4400
	配重离地间隙 Counterweight clearance	mm	1123	2146
	最小离地间隙 Min. ground clearance	mm	280	1200
	尾部最小回转半径 Min. tail swing radius	mm	4010	7021
	履带高度 Track height	mm	950.5	1882
工作范围 Working Ranges	最大挖掘高度 Max. digging height	mm	9592	13486
	最大卸载高度 Max. dumping height	mm	6747	8785
	最大挖掘深度 Max. digging depth	mm	6551	7691
	最大垂直挖掘深度 Max. vertical wall digging depth	mm	5596	2656
	最大挖掘半径 Max. digging reach on ground	mm	9712	14264
	最小回转半径 Min. swing radius	mm	3674	6369

遥控挖掘机

REMOTE-CONTROLLED EXCAVATOR

遥控挖掘机包括 TZ36ER、TZ240ER，采用全电动、无液压、无驾驶室的技术路线，所有动作均采用无线遥控，连续工作时长不低于 8h;24 吨电动遥控挖掘机 TZ240ER，集数字施工引导、机器自学习、360 度环视、安全监控、远程作业、环境感知、智能诊断于一体，相对于传统挖掘机，可实现 30 公里以内遥控作业，作业精度、智能化水平大幅提高。

Remote control excavator(TZ36ER, TZ240ER), using al-electric, no hydraulic, no cab mode, all actions under remote control, continuous working time is not less than 8h; T2240ER integrates digital construction guidance, machine self-learning.360-degree circumnavigation, safety monitoring, remote operation, environmental perception, and intelligent diagnosis. Compared with traditional excavators, it can realize remote control operation within 30 kilometers, and the operation accuracy and intelligent level are greatly improved.

项目 Items			TZ36ER	TZ240ER
整机参数 Key Spec.	操作重量 Operating weight	kg	3990	24300
	铲斗容量 Bucket capacity	m^3	0.13	1.1
电机 Motor	电机型号 Motor model	/	SLM180X3	TQW3-225B-20-Q
	电机额定功率 Motor rated power	kW/rpm	8.5/65	150/1770
液压系统 Hydraulic System	主泵额定流量 Rated flow of main pump	L/min	/	2×266.5
	主安全阀压力 Pressure-main valve	MPa	/	34.3
	行走系统压力 Pressure-travel system	MPa	/	34.3
	回转系统压力 Pressure-swing system	MPa	/	25.5
	先导系统压力 Pressure-pilot system	MPa	/	3.9
电池性能 Battery performance	电池系统电量 Capacity	kWh	56	360
	充电时间 Charging time	h	1.5	2
	续航时间 Endurance	h	8	6—10
主要性能 Main Performance	行走速度（高 / 低） Travel speed (high/low)	km/h	4.5/2.6	5.9/3.3
	回转速度 Swing speed	r/min	8.5	10.7
	爬坡能力 Gradeability	°	30	35
	接地比压 Ground pressure	kPa	39	47.1
	铲斗挖掘力 Bucket digging force	kN	29	137
	斗杆挖掘力 Arm digging force	kN	13	100
	最大牵引力 Max. traction force	kN	38	206
标配 Standard	动臂长度 Boom length	mm	2540	5680
	斗杆长度 Arm length	mm	1400	2919
	铲斗斗容 Bucket capacity	m^3	0.13	1.1

项目 Items			TZ36ER	TZ240ER
外形尺寸 Dimensions	总长 Overall length	mm	5565	9609
	总宽 Overall width	mm	1730	2980
	总高（驾驶室顶） Overall height (to top of cab)	mm	2265	3072
	总高（动臂顶） Overall height (to top of arm)	mm	/	3212
	转台宽度 Overall width of upperstructure	mm	1600	2750
	履带长度 Track length	mm	2100	4250
	底盘宽度 Chassis width	mm	1730	2980
	履带宽度 Track shoe width	mm	300	600
	履带轴距 Track length on ground	mm	1640	3445
	轨距 Track gauge	mm	1430	2380
	配重离地间隙 Counterweight clearance	mm	590	1123
	最小离地间隙 Min. ground clearance	mm	280	455
	尾部最小回转半径 Min. tail swing radius	mm	1305	3780
	履带高度 Track height	mm	490	950
工作范围 Working Ranges	最大挖掘高度 Max. digging height	mm	4930	9592
	最大卸载高度 Max. dumping height	mm	3425	6747
	最大挖掘深度 Max. digging depth	mm	3115	6551
	最大垂直挖掘深度 Max. vertical wall digging depth	mm	2715	5596
	最大挖掘半径 Max. digging reach on ground	mm	5925	9894
	最小回转半径 Min. swing radius	mm	2890	3674

装载机

LOADER

太重装载机具备卓越操控、高效施工及多工况适应等特点，节能环保、安全舒适，提供施工便利性的同时为用户降低运营成本、维护成本，创造更多价值，广泛适用于公共设施建设、园林绿化、普通工程、林业港口、矿山开采等产业。

Characteristics of excellent controllability, efficient construction and adaptability to multiple working conditions. Energy-saving, environmentally friendly, safe and comfortable, it provides construction convenience and reduces operating costs for users. It is widely used in public facilities construction, landscaping, general construction, forestry, ports, mining and other industries.

- 自主开发的电控系统，全新一代电驱动变速箱，专为电驱动量身制定。
  The self-developed electronic control system and a new generation of electric drive gearbox are specially designed for electric drive.
- 车架全面升级，超强设计，承载力大，使用寿命长。
  The frame is fully upgraded, with super strong design, large load-bearing capacity and long service life.
- 成熟、高效的液压系统，广泛应用，更加智能。
  Mature and efficient hydraulic systems are widely used and more intelligent.
- 稳定可靠的动力电池系统，碰撞依旧安全，经久耐用。
  The stable and reliable power battery system is still safe in collision and durable.
- 高等级防护的电器系统，无惧雨水、粉尘，六大安全设计，用心守护。
  Electric system with high protection level, which is safe, waterproof and dustproof.
- 先进的极速闪充技术，智能热管理系统，节能增效。
  Advanced flash charging technology and intelligent thermal management system save energy and increase efficiency.

项目 Items			TZ955GF
整机参数 Machine Parameter	整机尺寸 Overall size	mm	8747×2800×3538
	工作质量 Quality of work	kg	5000
	标准斗容 Standard bucket volume	m³	2.8
	最大掘起力 Maximum lifting force	kN	170
	最大牵引力 Maximum tractive effort	kN	175
发动机 Engine	型号 Model	/	广康 L9
	型式 Type	/	六缸、直列、增压中冷、电控、国四排放 Six cylinders, in-line, supercharged intercooling, electric control, national four emission
	额定功率 Rated power	kW	162
	额定转速 Rated speed	rpm/min	2000
	最低燃油消耗率 Minimum fuel consumption	g/kW·h	≤ 203
	最大扭矩 Maximum torque	N·m	980
变速系统 Variable Speed System	变矩器型式 Torque converter type	/	双涡轮四元件 Twin turbines with four components
	变速箱型式 Transmission type	/	行星式液压换挡 Planetary hydraulic shift
	档位（前进档 / 后退档） Gear position (forward/backward)	/	前二后一 First two, then one
	前进行驶速度 Forward travel speed	km/h	11.7 40.2
	后退行驶速度 Astern travel speed	km/h	15.9
驱动桥和主传动 Drive Axle And Main Transmission	驱动系统 Drive system	/	四轮驱动 Four-wheel drive
	前后桥主传动型式 Main drive type of front and rear axle	/	螺旋伞齿轮一级减速 Helical bevel gear stage reduction
	减速比 Reduction ratio	/	4.625
	轮边减速型式 Wheel reduction pattern	/	圆柱直齿轮行星传动 Cylindrical spur gear planetary transmission
	减速比 Reduction ratio	/	4.929
	最大爬坡能力 Maximum climbing capacity	°	30

项目 Items			TZ955GF
转向系统及制动系统 Steering System And Braking System	型式（转向系统） Type (steering system)	/	铰接式、负荷传感全液压转向 Articulated, load sensing full hydraulic steering
	转向角（转向系统） Steering Angle	°	±38
	系统压力（转向系统） System pressure (steering system)	MPa	16
	脚制动型式（制动系统） Foot brake type	/	单管路，气顶油，钳盘式四轮制动 Single line, gas cap oil, clamp disc four-wheel brake.
	手制动型式（制动系统） Hand brake type (brake system)	/	软轴 Flexible shaft
工作液压系统 Working Hydraulic System	型式 Type	/	软轴 Flexible shaft
	系统工作压力 System operating pressure	MPa	18
	提升时间 Lifting time	s	≤ 5.4
	下降时间 Descent time	s	≤ 2.8
	卸载时间 Unloading time	s	≤ 1.0
再注容量 Refilling Capacity	燃油箱 Fuel tank	L	320
	发动机 Engine	L	24
	液力变矩器和变速箱 Torque converters and transmissions	L	45
	液压油箱 Hydraulic tank	L	180
	前后桥主传动 Front and rear axle main drive	L	2×18
	轮边减速器 Wheel edge reducer	L	4×5
	制动系统 Brake system	L	2×2
工作装置 Working Device	"高强度“Z”型连杆机构，掘起力大，机构实现自动放平功能，性能优异，工作效率高。" "High-strength" Z "type connecting rod mechanism, large lifting force, automatic leveling mechanism, excellent performance, high work efficiency."		
	卸高（标准配置） Height unloading (standard)	mm	3439±10
	卸距（标准配置） Unloading distance (standard configuration)	mm	1204±10
轮胎 Tyre	根据工作情况选择合适轮胎 Choose the right tire for the job		
	标准车 Standard car	PR	23.5-25-16
	轮胎气压 Tire pressure	MPa	0.31±0.02

项目 Items			TZ956Ev	TZ960Ev
主要参数 Parameters	整机尺寸 Overall dimensions	mm	8747x2800x3538	8747x2800x3538
	整车重量 Operating weight	kg	18400(1±5%)	18800 (1+5%)
	轴距 Wheel base	mm	3300	3420
	轮距 Track width	mm	2200	2200
	最小离地间隙 Min. ground clearance	mm	450	450
	离去角 Departure angle	°	30°	30°
	转向角 Steering angle	°	±38°	±38°
	最大爬坡能力 Gradeability	°	30°	30°
	转弯半径（轮胎外侧） Turning radius (to outside of tire)	mm	6192	6416
	通过半径（铲斗外侧） Passing radius (to outside of bucket)	mm	6805	7180
其他参数 Other	额定载重量 Rated load	kg	5500	6000
	斗容 Bucket capacity	m^3	2.2-45	3.5-5.0
	卸载高度 Dumping height	mm	3138-3663	3138-3663
	卸载距离 Dumping reach	mm	1119-1128	1119-1128
	牵引力 Traction	kN	173	180
	掘起力 Breakout force	kN	174	176
	三项和时间 Cycle time	s	10	10
	提升时间 Lift time	s	5.1	5.1
	卸载时间 Dumping time	s	1.3	1.3
	下降时间 Fall time	s	3.6	3.6
	配电量 Distribution capacity	kWh	282/316	350
	电池类型 Battrey type	—	磷酸铁锂 LFP Lithium iron phosphate LFP	磷酸铁锂 LFP Lithium iron phosphate LFP
	充电时间 Charging time	h	1.1-1.3	1.1-1.3
	充电桩功率可选 Charging pile power	kW	180/240	180/240
	电机峰值功率 Peak power of motor	kW	326/180	326/180

系列化旋挖钻机 SERIES ROTARY DRILLING RIG

旋挖钻机属桩基础施工设备，广泛应用于公速、铁路、桥梁等基础施工建设领域，型谱涵盖燃油机型（TZR160 ~ TZR580）及新能源机型 (TZR160AE ~ TZR240HE)，产品以绿色环保、高效施工、智能控制、可靠耐用为研发理念。

Rotary drilling rigs, used widely in infrastructure (expressways, railways, bridges etc.), are for pile foundation construction. The product line has traditional fuel models (TZR160 - TZR580) and new energy ones (TZR160AE - TZR240HE). The R & D team sticks to green, efficient, intelligent and durable design concepts to optimize performance.

燃油机型 (Fuel models)：

- 稳定可靠：履带长，重心低，桅杆油缸角度大，施工更稳定；
  Stable: Long tracks, low gravity center and large-angle mast cylinder make it stable during construction;
- 智能操控：全电控液压系统，带有“一键启动、一键施工、一键甩土、自动回转“等智能控制技术。
  Intelligent operation: With fully electric-controlled hydraulic system and functions like "one-key start, etc。

新能源机型 (New energy models)：

- 多种动力源：增程、纯电、拖电三种动力控制模式；
  Multiple power modes: Range extension, pure electric, towed electric to meet different needs;
- 绿色环保：纯电和拖电模式下，可做到“零排放、零污染、低噪音“；
  Green & energy-saving: "Zero emissions" etc. in pure/towed electric modes, meeting green standards";
- 高效施工：关键部件采用电机直驱，响应快，效率高。
  High efficiency: Key parts use direct motor drive for quick response, boosting construction efficiency.

项目 Items			TZR160AE/TZR180AE	TZR220HE/TZR240HE
施工能力 Constructability	最大钻孔直径 Maximum drilling diameter	mm	1500	2000
	最大钻深（摩阻杆 / 机锁杆） Maximum drilling depth (friction rod/machine lok rod)	m	56/44	(60/48) / (70/56)
发动机 Engine	发动机型号 Engine model	/	B7 CS4	B7 CS4
	额定功率 / 额定转数 Rated power/Rated speed	kW/rpm	180/2000	173/1800
电池性能 Battery performance	电池系统电量 Capacity	KW.h	/	209
	充电时间 Charging time	h	/	2.5 ~ 3
	续航时间 Endurance	h	/	4 ~ 5
动力头 Power head	扭矩 Torque	kN.m	169/182	226/246
	动力头输出转速 Power head output speed	rpm	5 ~ 38/5 ~ 35	6 ~ 28/8 ~ 28
加压系统 pressurized system	加压力 Press	kN	160	210
	起拔力 Pulling force	kN	180	240
	加压行程 Pressure stroke	mm	4200	5300
主卷扬 main winch	主卷扬最大单绳拉力 Maximum single rope tension of the main winch	kN	168	249
	主卷扬最大提升速度 Maximum lifting speed of auxiliary winch	m/min	75	72
钻桅 Drilling mast	桅杆倾角（前 / 后） Mast inclination angle (front/back)	°	4/90	4/90
	桅杆倾角（左 / 右） Mast inclination angle (left/right)	°	4	4
标配 Standard	钻杆 Drilling pipe	mm	MZ-Φ377-4X12/Φ406-4X12	MZ-Φ440-5x15.5
	钻具 Drilling tool	mm	JC-Φ1200	JC-Φ1500
整机参数 Machine Parameter	长 x 宽 x 高 Length×Width×Height	mm	8155x4100x19046	9375X4500X21581
	履带长度 Track length	mm	4805	5930
	工作质量 Operating weight	kg	56000/57000	83000/85000

项目 Items			TZR160/ TZR180	TZR220/ TZR240	TZR280/ TZR320	TZR405/425	TZR580
施工能力 Constructability	最大钻孔直径 Maximum drilling diameter	mm	1500	2000	2500	3000	3500
	最大钻深（摩阻杆 / 机锁杆） Maximum drilling depth (friction rod/machine lok rod)	m	56/44	(60/48) / (70/56)	(88/58) / (94/62)	(100/64)/ (110/72)	150/125
发动机 Engine	发动机型号 Engine model	/	B7 CS4	QSL-9	DC13-332A	QSX15	TAD1643VE-B
	额定功率 / 额定转数 Rated power/Rated speed	kW/rpm	180/2000	243/1900	331/1800	563/1800	565/1900
	排放 Emission	/	国IV Stage IIIB	国IV Stage IIIB	国IV Stage IIIB	国Ⅲ Stage IIIA	国Ⅲ Stage IIIA
动力头 Power head	扭矩 Torque	kN.m	169/182	226/249	291/350	415/443	617
	动力头输出转速 Power head output speed	rpm	5 ~ 38/ 5 ~ 35	6 ~ 28/ 6 ~ 27	5~31/ 5~27	6 ~ 23/ 6 ~ 21	6 ~ 19
加压系统 pressurized system	加压力 Press	kN	160	210	260	353	480
	起拔力 Pulling force	kN	180	240	335	400	525
	加压行程 Pressure stroke	mm	4200	5300	6000	6000	6000
主卷扬 main winch	主卷扬最大单绳拉力 Maximum single rope tension of the main winch	kN	168	230/251	350	450	680
	主卷扬最大提升速度 Maximum lifting speed of auxiliary winch	m/min	82/81	73/72	72	72	60
钻桅 Drilling mast	桅杆倾角（前 / 后） Mast inclination angle (front/back)	°	4/90	5/90	5/90	4/90	90/15
	桅杆倾角（左 / 右） Mast inclination angle (left/right)	°	4	4.5	4.5	4	3.5
标配 Standard	钻杆 Drilling pipe	mm	MZ-Φ377-4X12/Φ406-4X12	JS-Φ440-5X13.5/ Φ440-5X15.5	JS-Φ508-4X16/Φ508-4X17	JS-Φ580-4×18/Φ580-4×20	JS-Φ630-4×24
	钻具 Drilling tool	mm	JC-Φ1200	JC-Φ1200	JC-Φ1500	JC-Φ2000/ Φ2500	JC-Φ3500
整机参数 Machine Parameter	长 x 宽 x 高 Length×Width×Height	mm	7795x4100x19046	8998x4500x23083	9882x4800x25028	10980x5000x26387 /27890	12610x6000x36650
	履带长度 Track length	mm	4805	5930	6239	6555	8158
	工作质量 Operating weight	kg	55000/56000	82000/83000	98000/100000	133000/138000	220000

太重集团 TZCO

智慧服务平台

INTELLIGENT SERVICE PLATFORM

服务宗旨
SERVICE PURPOSE

为用户创造价值
Create value for users

服务要求
SERVICE REQUIREMENT

现场、限时、精准、增值
On-site, time-limited, accurate, value-added

“11210”品牌承诺

"11210" BRAND PROMISE

- **一刻钟 内回复客户** Reply to customer within 15 minutes
- **一刻钟 安排服务人员** 15 minutes to arrange the service staff
- **两小时 到达服务现场** Two hours to service site
- **一天内 解决客户问题** Solve customer problems in one day
- **服务跟踪到底 问题销号清零** Service tracking to the end problem clearance

四大增值服务承诺

FOUR VALUE-ADDED SERVICE PLEDGES

- **超长产品质量保修期，最长可达4年/10000小时**
  Long product warranty period, up to 4 years / 10,000 hours
- **20000小时内超长免费点检，保障设备正常运行**
  Extra long free spot inspection within 20000 hours to ensure the normal operation of equipment
- **常态化关爱巡检活动，为用户提供管家式服务**
  Regular care inspection activities, to provide users with butler service
- **超24小时重大停机赔付，保障用户切身权益**
  More than 24 hours of major shutdown compensation, to protect the interests of users