

# 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
	铲斗容量 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
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
	铲斗容量 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
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
	铲斗容量 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
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