



山东一能重工有限公司

SHANDONG YINENG HEAVY INDUSTRY CO.,LTD

YI NENG



A PROFESSIONAL CONSTRUCTION MACHINERY MANUFACTURER SINCE 1999
打造工程机械和矿山机械系统解决方案的领先者



INTRODUCTION

企业简介

山东一能重工有限公司成立于 1999 年，是一家集研发、生产、销售、服务于一体的工程机械和矿山机械制造企业。主要产品有装载机、矿井铲运装载机、挖掘装载机、伸缩臂装载机、叉装机、滑移装载机、矿卡等 10 多个系列、200 多个不同型号的产品。公司通过 QES 三体系认证和相关产品的矿安、煤安证书认证及国家工程机械质量监督检验中心评审，是中国工程机械理事会理事单位、国家级高新技术企业、省级专精特新企业，目前公司拥有 20 多项实用新型和发明专利。

公司始终遵循“走质量兴企之路，铸一能重工品牌”的企业理念，秉承“团结、奋进、求实、创新”的企业精神，致力于打造工程机械和矿山机械系统解决方案的领先者为奋斗目标，严格进行质量控制，全力将每一台产品打造成精品。以出色的产品性能、优质的售后服务、合理的产品价位赢得了广泛的市场和用户的认可。公司产品不仅畅销国内 20 多个省份，还出口到澳大利亚、南非、阿根廷、巴西、俄罗斯、马来西亚、泰国、阿联酋、伊拉克等 40 多个国家。

一能愿景

打造工程机械和矿山机械系统解决方案的领先者

一能精神

求实创新 合作进取

核心价值观

品质源于实力，团队创造奇迹



INTRODUCTION

COMPANY INTRODUCTION:

Shandong Yineng Heavy Industry Co.,Ltd was found in 1999, is a collection of development and production as one of the engineering and agricultural machinery manufacture enterprise. The main products are all series wheel loaders, ordinary and rough terrain forklifts, backhoe loaders, skid steer loaders and excavators and so on. At the same time, our sister company are also producing tractors, forage harvesters, chaff cutters and balers etc. With more than 10 series of products and more than 200 different models in total, we may provide which you want. With 10000 units of annual production capacity, YINENG has passed the ISO9001 international quality management system certification and assessment of State Engineering Machinery Quality Supervision & Testing Center. It also obtained the Special Equipment Production License and a member of China Machinery Council as well. Always following the philosophy of "Prosper enterprise with super quality products; to create YINENG brand", YINENG considers products quality as the life of enterprise and control the quality strictly to strive to fine products. Customers' needs as the direction of products development. YINENG has won wide market with excellent products, better service and reasonable price. YINENG products are not only popular in more than 20 domestic provinces, but also exported to Argentina, Brazil, Peru, Russia, Kazakhstan, Malaysia, Thailand, Indonesia, UAE, Saudi Arabia, Iraq, Iran, Sudan, South Africa, Australia, etc more than 40 countries. We hope our professional experience and skills can bring you prosperity, and we look forward to establishing good, long-term business relationships with you.

COMPANY VIEW:

- MORE THAN 25 YEARS EXPERIENCE IN CONSTRUCTION AND AGRICULTURAL MACHINERIES
- 40 COUNTRIES DEALERSHIP
- 300 EMPLOYEES
- 3000 UNITS PRODUCTION ANNUAL

OUR STRENGTH:

- Professional sales team consisted of diligent, dynamic and innovative people with international version.
- Excellent logistics services ensuring timely delivery of consignments all over the world through ocean, airline, road and railway.
- Well coordinated and expertly managed operation system adapted. Expert team of after-sales professionals assuring that all our products under excellent maintenance and performance. Our style is open, service focused, and friendly. We believe that our commitment to client service, commerciality, and teamwork provides benefits to our clients and enhances effective business relationships.

BUSINESS PHILOSOPHY:

HONESTY, PROFESSIONAL, CONSCIENTIOUSNESS, EFFICIENCY.

PRODUCTS FEELING

- Safety: All of Yineng products are produced under the rules of CE.
- Comfortable: Ergonomic design, ideal operator position feeling.
- Easy to drive: our brief at every stage of development is to make the operator's life easier, and therefore more productive.

QUALITY GUARANTEE

- Strict management for material purchase: YINENG adopts best materials and components for very machine, ensure quality at every stage and then to guarantee long life and reliability.
- Strict management for inspection: YINENG pay attention to every process of production, when products leave for customers, we assure they are at best condition.
- Strict management for details: We put more time, effort and attention to details into every machine which we make.

1-2.5ton 装载机 WHEEL LOADER



主要技术参数 Main Technical Parameters

Model	YN917G	YN926G	YN920D	YN928D	YN930D	YN939D
Wheel loader general specification						
Rated Load(kg)	1000	1500-2000	1000	1800	2000	2500
Bucket Capacity(m³)	0.5	1.1	0.5	0.8	1.1	1.3
Lifting Time(s)	≤3.6	≤4.5	3	3.2	4.5	≤5.5
Lifting, tipping, and down time(s)	7.1	8.5	5.2	7.1	7.6	9.8
Max. pulling force(kN)	25	48	26	41	63	90
Max. break force(kN)	40	60	19	27	52	≧ 110
Max. climbing grade(°)	25	30	25	25	25	28
Control of tyres(mm)	4007	4750	3640	4200	4950	5150
Out side of bucket(mm)	4391	/	/	/	/	/
Lendth(mm)	5200	6250	5050	5700	6770	6980
Width(mm)	1740	2060	1860	2100	2205	2420
Height(mm)	2710	2820	2630	2870	2920	3170
Wheel base(mm)	1945	2350	2210	2340	2580	2600
Wheel track(mm)	1445	1500	1430	1470	1620	1800
Min. distance to the ground(mm)	250	320	260	320	300	400
Dumping Height(mm)	2660	2750-4100	2860	3130	3600	3600
Dumping distance at the highest position(mm)	855	1050-1250	810	880	1020	1105
Front speed range(km/h)	0-17	0-27	0-23	0-23	0-23	0-36
Rear speed range(km/h)	0-17	0-27	0-23	0-23	0-23	0-25
Operation weight(kg)	4000	6000	3980	5000	6720	8900
Engine information						
Manufacture/brand	Xinchai	YTO/CUMMINS	Xichai	Xichai	Yunnei/YTO	Weichai Deutz
Model	A495BG	4B3-G92X1A /4BTA3.9-C100	4DW91	4DX21	YN38/LR4B3	WP6G125E23
Cylinder Number	4	4	4	4	4	6
Rated Power(kW)	36.8	60/74	33	53	76/66	92
Max torque/speed(N·m/r/min)	176/1600-1800	305/1600-1800 410/1300-1500	180/1600-1800	300/1600-1800	300/1600-1800	499/1400-1600
Transmission system information						
Torque Converter Model	YJ240F2	YJ280	YJ240	YJ265	YJ280F1	YJ315X
Type	mechnnical control fix shaft and power shift	mechnnical control fix shaft and power shift	Mechanical manipulation of shaft power shift	Mechanical manipulation of shaft power shift	Mechanical manipulation of shaft power shift	Mechanically operated fixed shaft power shift
Gear Shifting	F2R2	F2R2	F2R2	F2R2	F2R2	BS428/ZL30
Axle Model	ZL14DN	ZL16E	ZL1520	ZL1820	ZL2010	ZL30E
Tyres Model	12-16.5-12PR	16/70-20	20.5/70-16	16/70-20	16/70-24	17.5-25
Working control system information						
Working control type	mechnnical / joysticks control	mechnnical / joysticks control	Mechanical control	Mechanical control	Mechanical control	Mechanical
Oil information						
Fuel tank volume(L)	60L	60L	52L	60L	60L	150L
Hydraulic oil volume(L)	65L	60L	52L	65L	65L	150L
Radiator liquid volume(L)	20L	25L	24L	28L	35L	30L
Engine oil volume(L)	6.5L	8L	6L	8L	8L	13L
Transmission oil volume(L)	45L	42L	24L	26L	30L	42L



GENERAL SPECIFICATION

3-6ton

装载机 WHEEL LOADER



TECHNICAL PARAMETER

主要技术参数 Main Technical Parameters

Model	YN935G	YN938G	YN940G	YN946G	YN958G	YN966G
Wheel loader general specification						
Rated Load(kg)	2500-3000	2500-3000	3500-4000	3500-4000	5000	6000
Bucket Capacity(m³)	1.7	1.8	2.35	2.35	3	3.5
Lifting Time(s)	≤5.5	≤5.5	≤5.5	≤5.5	≤6.5	≤6.8
Lifting, tipping, and down time(s)	9.8	9.8	10.5	10.5	11.8	11.8
Max. pulling force(kN)	90	90	100	100	150	170
Max. break force(kN)	≥ 110	≥ 103	≥ 120	≥ 120	170	190
Max.climbing grade(°)	28	28	30	30	28	30
Control of tyres(mm)	5150	5755	5755	6032	6630	6593
Out side of bucket(mm)	5380	6328	6328	6328	7190	7250
Lendth(mm)	6980	6870	7200	7670	7960	8250
Width(mm)	2420	2510	2680	2680	3070	3200
Height(mm)	3170	3300	3375	3375	3560	3630
Wheel base(mm)	2600	2845	2845	3067	3200	3200
Wheel track(mm)	1800	1800	1800	1860	2250	2264
Min.distance to the ground(mm)	400	375	450	460	478	544
Dumping Height(mm)	3050-4100	3000-3800	3000-3800	3000/3800	3100	3090
Dumping distance at the highest position(mm)	1105	1050/1578	1100/1600	1100/1600	1248	1200
Front speed range(km/h)	0-36	0-36	0-36	0-36	0-37	0-36
Rear speed range(km/h)	0-25	0-25	0-22	0-22	0-16.5	0-25
Operation weight(kg)	9800	10600	11600	12600	17600	20600
Engine information						
Manufacture/brand	Yuchai	Weichai Deutz/ CUMMINS	Weichai/CUMMINS	Dongfeng Cummins	Weichai Styre / Shanghai Cat. / Cummins	Shanghai Cat. / WEICHAI
Model	YC6B125-T20	WP6G125E23/ 6BT5.9-C130	WP6G175E /6BT5.9-C150	6BT5.9-C180	WD10G220E21 / SC11CB220G2B1 /6CTA8.3-C215	SC11CB240.1G2B1 / WD10G240E203
Cylinder Number	6	6	6	6-102 × 120	6	6
Rated Power(kW)	92	92/97	129/112	132	162/162/160	175
Max torque/speed(N·m/r/ min)	463/1400-1600	499/1400-1600 560/1300-1500	670/1300-1400 655/1400-1500	750/1300-1400	860/1400-1600 834/1400 908/1500	950/1300
Transmission system information						
Torque Converter Model	YJ315X	YJ315X/YX936/ YD13	YX936/YD13	WG180	ZL50/WG180/ ZF200	ZL60/ZF200
Type	Mechanically operated fixed shaft power shift	Mechanically operated/planetary fixed shaft power shift	planetary fixed shaft power shift/ electrical control fixed shaft power shift	electrical control fixed shaft power shift	Mechanically operated planetary power shift	electrical control fixed shaft power shift
Gear Shifting	F4R2	F4R2/F2R1/F4R3	F2R1/F4R3	F4R3	F2R1/F4R3/F4R3	F2R1/F4R3
Axle Model	ZL30E	ZL30E	ZL35	GZH420	ZL50M	ZL60E
Tyres Model	17.5-25	17.5-25	20.5-25	20.5-25	23.5-25	26.5-25
Working control system information						
Working control type	mechnical / joysticks control	mechnical / joysticks control	joysticks control	joysticks control	mechnical / joysticks control	joysticks control
Oil information						
Fuel tank volume(L)	150L	150L	150L	150L	300	300L
Hydraulic oil volume(L)	150L	150L	150L	150L	300	250L
Radiator liquid volume(L)	30L	30L	30L	30L	55	60L
Engine oil volume(L)	13L	13L	13L	13L	20	18L
Transmission oil volume(L)	42L	42L	45L	45L	45	60L

主要技术参数 Main Technical Parameters

Model	Unit	YN926K	YN940K
Wheel loader general specification			
Rated Load	kg	2000	4000
Bucket Capacity	m ³	0.7	1.7
Lifting Time	s	4.5	≤5.5
Lifting, tipping, and down time	s	8.5	10.5
Max. pulling force	kN	48	100
Max. break force	kN	60	≥ 120
Max. climbing grade	°	30	30
Control of tyres	mm	4750	5755
Out side of bucket	mm	/	/
Lendth	mm	5760	6567
Width	mm	1910	2265
Height	mm	2370	2470
Wheel base	mm	2350	2695
Wheel track	mm	1500	1800
Min. distance to the ground	mm	320	450
Dumping Height	mm	2220	2500
Dumping distance at the highest position	mm	920	1230
Front speed range	km/h	0-27	0-36
Rear speed range	km/h	0-27	0-22
Operation weight	kg	6000	10500
Engine information			
Manufacture/brand		YTO	WEICHAI
Model		LR4B3-G92X1A	WP6G125E23
Cylinder Number		4	6
Rated Power	kW	60/66	92
Max torque/speed	N·m/r/min	286/1600-1800	499/1400-1600
Transmission system information			
Torque Converter Model		YJ280	YX936
Type		Mechanical control fixed shaft power shift	Mechanically operated planetary power shift
Gear Shifting		F2/R2	F2/R1
Axle Model		ZL18	ZL30E
Tyres Model		16/70-20	17.5-25
Working control system information			
Working control type		mechnical	mechnical
Oil information			
Fuel tank volume	L	100L	150L
Hydraulic oil volume	L	100L	150L
Radiator liquid volume	L	25L	30L
Engine oil volume	L	8L	13L
Transmission oil volume	L	28L	42L

1-2.5 ton

经济款装载机

ECONOMY WHEEL LOADER



Features

- ★ Adopt Yunnei four cylinder Diesel Engine.
- ★ Hydrodynamic transmission and torque converter,
- ★ Controlled by flexible shaft, hydraulic power shift gearbox with 2 forward and 2 reverse se gears makes operate easy.
- ★ Single pump, split flow working hydraulic system makes lower consumption and excellent performance.
- ★ Double sealed hydraulic pipeline joints with 24°awl and O ring of international standard, avoiding oil leakage
- ★ Load sensing fully hydraulic steering system, easy and flexible operation
- ★ Air over hydraulic brake system; Caliper disc brakes
- ★ Working device with automatically leveling ability at high position
- ★ Bucket articulated points take sealed, lubricated, dust-proof layers, which owns good durability
- ★ Integral, luxury instrument board.
- ★ New, luxury cabin

Technical Specifications:

Item	Specification	Specification	Specification
Model	YN920E	YN928E	YN936E
Bucket capacity	0.6 m ³	1 m ³	1.2m ³
Rated load	1000kg	2000kg	2500kg
Dumping height	3200mm	3300 mm	3500mm
Wheel thread	1490mm	1550mm	1680mm
Wheel base	2320mm	2340mm	2540mm
Max. Dumping reach	900mm	900mm	1200mm
Rated power	57kW/2400rpm	76kW/2400rpm	85kW/2300rpm
Tyre	20.5/70-16	16/70-20	16/70-24
Overall dimensions	5700*1930*2750	5900*2050*2850	6580*2250*3020
Operating weight	3900kg	5000kg	6000kg
Min. ground clearance	230mm	310mm	360mm
Max. speed	30km/h	35km/h	30km/h



SIDE DUMPING BUCKET

WOOD GRAPPLE

GRASS GRAPPLE

PALLET FORK



CLAMP BUCKET

ROCKY BUCKET



CLAMP FORK

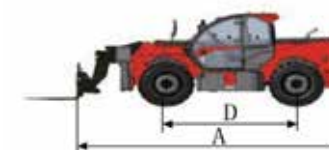
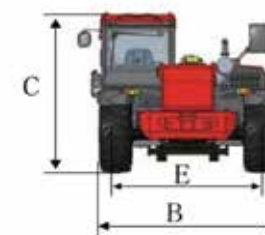
MAST FORK

3500-4000kg

叉装机 TELEHANDLER



TECHNICAL DATA



Model	YN735	YN1040	YN1440	YN1840
PERFORMANCE				
Load rating(kg)	3500	4000	4000	4000
Total weight(kg)	8300	8870	12500	14000
Max.Daylight (m)-F	7	10	14	18
Max.horizontal extension (mm)	3380	5950	9370	13100
Min. turning radius (mm)	4580	4580	5250	4200
Max.gradeability(No load)(%)	25	25	25	65
Frame left and right tilt Angle				±6°
Max.braking distance(No load)(mm)	1000	1000	1000	1000
Driving type	Torque converter			
First speed(forward)km/h	5			
Second gear speed(forward)km/h	10	10	12	12
Third gear speed(forward)km/h	18	18	20	20
Fourth gear speed(forward)km/h	36	36	38	30
First speed(reverse)km/h	8	8	8	5
Second gear speed(reverse)km/h	12	12	15	12
Third gear speed(reverse)km/h	30	30	25	20
Main arm rise time/s	9'	12'	12'	11-17.5'
Main arm descent time/s	7'	8'	8'	16-23.5'
Telescopic arm extension time/s	12'	13'	15'	15-22.5'
Telescopic arm extension time/s	8'	9'	10'	11-18'
DIFFERENTIAL-AXLES				
Driving type	4 wheel steering; Crab steering; front wheel steering			
Front axle	Rigid axle			
Rear axle	Oscillating axle			
Service Brake	Service air brake on the 4 wheels with double hydraulic system			
PRINCIPAL DIMENSION				
Machine length(m)-A	5190	5230	6930	7060
Machine width (m)-B	2200	2300	2350	2440
Machine height(m)-C	2300	2300	2450	2677
Wheel Base (m)-D	3050	3050	3450	3070
Wheel track(m)-E	1700	1700	1880	1960
Min.ground clearance(m)	350	350	350	380
Max.outrigger width(m)			3900	3900
Tyre	16/70-20	16/70-20	16/70-24	16/70-24
ENGINE				
Engine brand	Yunnei	Yunnei	Yunnei	Yunnei
Rated power/kw	76	77.3	92	92
AMOUNT OF OIL FILLING AMOUNT				
Hydraulic tank capacity/L	130	130	170	170
Diesel tank capacity/L	98	98	100	100



LUXURY CAB



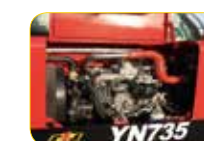
CONFORTABLE OPERATION



COMBINED JOYSTICKS



THREE TYPES OF STEERING



YUCHAI OR CUMMINS ENGINE

挖掘机 EXCAVATOR



Main Technical Parameters

Model Specifications	Unit	YN10	YN18	YN65	YN90	YN180	YN9150
ENGINE							
Emission Standard		Euro V /EPA	Tier 3/ Stage III	Tier 3/ Stage III	Tier 3/ Stage III	Tier 3/ Stage III	Tier 3/ Stage III
Manufacturer		KOOP	LAIDONG	KUBOTA	CUMMINS	CUMMINS	CUMMINS
Model			3TE25	V2607	/QSF2.8	QSF3.8	QSF3.8i3TC140
Power /Rotation speed		8.6kw(25HP) @1800rpm	18.4kw(25HP) @2350rpm	42.4kw(58HP) @2000rpm	53kw(72HP) @2200rpm	93kw(127HP) @2200rpm	104kw(140HP) @2200rpm
Number of cylinder		1	3	4	4	4	4
TRACK SYSTEM							
Maximum Travel speed	km/h	1.5	2.5	2.4/4.3	2.3/4	3/4.2	32
Width of track shoe (Rubber & steel track)	mm	180	230	400	450	600	9.00-20/8
Number of track shoe per side (Steel track only)	pcs	/	38	40	39	47	WHEEL TYPE
Number of upper roller/ bottom roller(per side)		/	0/4	1、 5	1、 5	2、 7	\
PERFORMANCE PARAMETER							
Standard bucket capacity	m³	0.025	0.06	0.21	0.4	0.8	0.6
Swing speed	rpm	/	10~12	11	12	12	12
Max. Grade ability	°	/	35	35	35	30	25
Max. Bucket digging force	KN	/	14	48	58	98	91
Max. Arm digging force	KN	/	10	35	40	68	55
Hydraulic system pressure	Mpa	18	18	28	27.5	32	32
Machine weight	kg		1800	5800	9000	17500	14500
MACHINE SIZE							
Overall dimension (L*W*H)	mm	1877*896*1990	3865*1050*2270	5940*1880*2570	6410*2278*2630	8540*2720*2920	7520*2570*3425
Axle base(Track length on ground)	mm	770	1230	1990	2209	3200	3015
Track gauge	mm	960	820	1480	1750	2120	2600/1944
Min.Ground clearance	mm	132	210	353	375	480	350
Swing radius at tail	mm	664	1125	1689	1813	2430	2332
WORKING RANGE							
Max. Digging height	mm	2365	3365	5499	7050	9430	8930
Max. Dumping height	mm	1655	2385	3845	5188	6960	6520
Max. Digging depth	mm	1650	2050	3808	4015	5975	4750
Max. Vertical digging depth	mm	1376	1725	2983	3550	5630	4200
Max. Digging radius	mm	2560	3860	6128	6540	8985	8000
Min .swing radius	mm	/	1720	2607	2140	2725	2445
Max. Lifting height of blade	mm	165	230	376	370		400
Max. Cutting depth of blade	mm	170	275	474	344		100

挖掘装载机 BACKHOE LOADERS



The Main Performance Parameter of Backhoe Loader

	WZ30-25	YN886	YN886H	
Transport Dimension				
Overall Operating Weight	7640-8640KG	8200-9300kg	9300-10300kg	
L*W*H	6170×2268×3760mm	6150×2250×3763mm	6450x2530x3940mm	
Wheel base	2415mm	2280mm	2335mm	
Min. Ground Clearance	300mm			
Performance				
Bucket Capacity	1.0m³		1.2m³	
Breakout Force	47KN			
Loading Lifting Capacity	2500KG			
Bucket Dumping Height	2780mm	2760mm	3050mm	
Bucket Dumping Distance	1112mm	900mm	870mm	
Digging Depth	52mm			
Backhoe Capacity	0.3m³			
Bucket digging force	50KN			
Max. Digging Depth	4082-5100mm(Telescopic arm)		3820-4970mm(Telescopic arm)	
Swing Angle of Excavator Grab	180°			
Max. Pulling Force	52KN	60KN	86KN	
Front loading hydraulic pressure	19Mpa		20Mpa	
Rear excavating hydraulic pressure	19Mpa		20Mpa	
Engine	YUCHAI /CUMMINS			
Model	YC4A105Z-T20/4BTA3.9-C100			
Type	In Line Direct injection Four-Stroke and Injection Combustion Chamber			
Cylinder-Inside Diameter*Stroke	4-108×132mm	4-102×120mm	4-108×132mm	4-102×120mm
Rated Power	75KW	74KW	75KW	74KW
Rated Speed	2200r/min		2200r/min	
Min. Fuel Consumption	≤230g/km.h	≤223g/km.h	≤230g/km.h	≤223g/km.h
Max.Torque	≥400N.M/1500r/min	≥410N.M/1500r/min	≥400N.M/1500r/min	≥410N.M/1500r/min
Displacement	4.8L	3.9L	4.8L	3.9L
Steering System				
Model of Steering Device	BZZ5-250			
Steering Angle	±36 °			
Min. turning radius	5590mm	6581mm	6950mm	
Pressure of the system	14Mpa			
Max. load of Front Axle	12.3 ton	22.5 ton	13 ton	
Max. load of rear Axle	12.3 ton	18.5 ton	13 ton	
Main Transmission				
Type	Mechanically operated Hydraulic synchronized shift			
Gears	2F2R		4F4R	
Max.Speed	22Km/h	24Km/h	36Km/h	
Hydraulic torque converter	YJ280		YJ315	
Cooling type	Oil cooling pressure circulation			
Pump flow	40mL/r			
Tyre				
Model	16/70-20	14-17.5/19.5L-24	16.9-28	
Pressure of Front wheel	0.35 Mpa	0.4Mpa	0.35 Mpa	
Pressure of Back Wheel	0.35 Mpa	0.35 Mpa	0.35 Mpa	
Brake System				
Service Brake	Air Over Oil Caliper Brake External Type Self-regulation Self-balance			
Paking Brake	Manual brake			



Model	Unit	YN300		YN350	YN400	YN500
Power Type		Diesel				
Rated Capacity	kg	3000	3500	4000	5000	
Load Center Distance	mm	500				
Drive Type		4WD				
Dimension Parameter						
Standard Lift Height	mm	3000				
Fork Size(L*W*H)		1220 × 125 × 45		1220 × 125 × 50	1370 × 150 × 55	
Mast inclination angle (F/R)	Deg	6/12				
Overall Length (without fork)		3300		3370	3450	
Overall Width	mm	1760		1860		
Mast Height	mm	2305		2375	2420	
Head Guard Height	mm	2380		2450		
Ground Clearance	mm	280		310		
Turning Radius	mm	3500		3980	3900	
Wheelbase	mm	1850		1850	1950	
Front wheel tread	mm	1330		1570		
Rear wheel tread	mm	1400				
Self Weight	kg	5250	5550	6200	7050	
Performance Parameter						
Travel Speed	Km/h	28		30		
Lifting Speed	mm/s		400		430	
Lowering Speed	mm/s			420		
Maximum Gradeability	%			≥ 35		
Tire						
Front Tyre		14-17.5		16/70-20		
Rear Tyre		10-16.5		10-16.5		
Engine and Gearbox						
Battery	VAh	24/60	24/60	12/60	24/60	
Engine Manufacturer		XINCHAI	XINCHAI	YunNei	YunNei	
Engine Model		4D35G	4D35G	YN4EZ070-32	YN38GBZ	
Rated Power/RPM	kw	48KW/2400	45KW/2400	60/2400	76/2400	
Fuel Tank Capacity	L	100	100	100	100	
Gearbox Model		265	265	265	280	
Transmission Type		Hydrodynamic				
Optional engines		Yanmar 4TNE98 43KW		Cummins 4BTA3.9-C80 60KW	Cummins 4BTA3.9-C100 74KW	

Model	Unit	YN620CD	YN625C	YN650C
Rated load	kg	2000 / 1500	3000	5000
Load center distance	mm	600	600	600
Max. lifting height		H3000 / H4000mm	H3000 / H4000mm	H3000 / H4000mm
Dip angle of mask frame		Front 6° / rear 12°	Front 6° / rear 12°	Front 8° / rear 12°
Standard fork length	mm	1220	1220	1520
Max. speed	km/h	23	25	23
Min. ground clearance	mm	240	260	350
Swing angle of rear axle		12°	12°	12°
Wheel base	mm	2120	2350	2436
Wheel tread	mm	1480	1590	1504
Steering angle		35° each direction	35° each direction	35° each direction
Engine model		Xinchai A495BG-500	YTO LR4B3-24	Cummins 4BTA3.9-C125-II
Rated power		36.8KW/50HP	60kw/82HP	93kw/125HP
Tire		12-16.5	16/70-20	18-22.5
Overall length(Without fork)	mm	4280	4560	4815
Overall width	mm	1800	2000	1994
Loader height	mm	2760	3130	3130
Mast height	mm	H3000: 2190 / H4000: 2740	2325-2740	2325-2740
Operating weight		5000kg	6300	7500



Model		CPCD15	CPCD20	CPCD25	CPCD30	CPCD35	CPCD40	CPCD50	CPCD60	CPCD70	CPCD100
Rated Lifting Load	kg	1500	2000	2500	3000	3500	4000	5000	6000	7000	10000
Load Center Distance	mm	500			500		500	600			600
Free lifting Height	mm	100	150		160		150	210			200
Overall Length(With Fork/Without Fork)	mm	3180/2260	3422/2502	3646/2576	3752/2682	3763/2693	4000/2930	4690/3510	4720/3590	4810/3680	5497/4277
Width	mm	1090	1170		1225		1290	1970			2245
Overhead Guard Height	mm	2050	2070		2090		2180	2500			2570
Wheelbase	mm	1400	1600		1700		1900	2250			2800
Minimum Ground Clearance	mm	110			135		140	230			250
Mast Tilt Angle(Front/Rear)	%	6/12			6/12		6/12	6/12			10/12
Tire No(Front)		6.5-10-10PR	7.00X12-12PR		28X9-15-14PR		250-15-16PR	8.25-15-14PR			9.00-20NHS
Tire No(Rear)		5.00-8-10PR	6.00X9-10PR		6.5-10-10PR		7.00-12-12PR	8.25-15-14PR			9.00-20NHS
Minimum Turning Radius(Outside)	mm	1950	2170	2240	2400	2420	2710	4080	4120	4180	4150
Minimum Right Angle Aisle Width	mm	3630	3900	3970	4260		4750	5230	5290	5360	6010
Fork Size	mm	1070X100X45			1220X125X45		1220X125X45	1220X150X60			1520X175X85
Maxmum Working Speed(Full-Load/No Load)	km/h	14/15	17/19		18/19	19/19	19/19	24/29	23/29	22/29	20/26
Maxmum Speed Speed(Full-Load/No Load)	mm/s	500/480	530/550		440/480	330/370	340/380	510/530	500/530	500/480	330/350
Maximum Gradeability (Full-Load/No Load)	%	20/21			15/20		15/20	15/20			15/20
Total Weight	kg	2900	3320	3680	4250	4500	4950	8400	8900	9600	12410
Engine		xinchai 485 30KW	xinchai 490,40KW		xinchai 490,40KW		xinchai 495,42KW	Quanchai 4J1, 85KW			Quanchai 4J1,85KW
Type Of Power Shift		Hydraulic Transmission/Automatic									



Model Monfiguration	YN845	YN860	YN865	YN875	YN8120	TS50	TS100
Performance Parameter							
Operating load (kg)	700	850	1050	1100	1200	700	1200
Max Speed (km/h)	12	12	12	9\18	9\18	10	9\18
Rated flux (L/min)	62.5	75	75	75	75	60	88
High Flow Flux (L/min)	/	/	120	140	140	/	140
Tire (track) model	10-16.5	12-16.5	12-16.5	12-16.5	12-16.5	300X52.5	320X86
Rated power (Kw)	37	45	55	74	103	36	74
Fuel tank capacity (L)	70	80	75	90	90	50	90
Self weight bucket (kg)	2700	2800	3500	3550	3600	2800	4500
Bucket capacity (m³)	0.4	0.4	0.5	0.55	0.55	0.3	0.55
Dimensional Parameters							
A.Overall operating height (mm)	3980	4000	4070	4070	4070	3350	4070
B.Height to bucket hinge pin (mm)	3080	3100	3280	3280	3280	2770	3280
C.Hheight to top of cab (mm)	2140	2160	2160	2160	2160	2050	2160
D.Height to bottom of level bucket(mm)	2913	2933	3140	3140	3140	2603	3140
E.Without bucket length (mm)	2640	2750	2880	2880	2880	2300	3000
F.Overall length with bucket(mm)	3420	3490	3580	3580	3580	2950	3700
G.Dumping angle at maximum height(°)	40	40	40	40	40	40	40
H.Dumping height(mm)	2380	2400	2500	2500	2500	2100	2500
I.Dumping reach(mm)	700	750	700	700	700	790	700
J.Rollback o bucket on ground(°)	30	30	30	30	30	30	30
K.Rollback of bucket at full height(°)	104	104	104	104	104	104	104
L.Wheelbase(mm)	991	991	1080	1115	1115	1240	1500
M.Ground clearance(mm)	185	205	205	205	205	140	200
N.Angle of departure(°)	20	20	20	20	20	20	20
O.Front turning radius without bucket(mm)	1168	1198	1250	1278	1278	1064	1365
P.Front tuning radius(mm)	1958	1958	2112	2144	2144	1825	2200
Q.Rear tuning radius(mm)	1630	1728	1774	1857	1857	1264	1742
R.Rear axle to bumper (mm)	1108	1208	1082	1082	1082	594	938
S.Tread width (mm)	1450	1500	1500	1500	1500	1102	1654
T.Width (mm)	1720	1880	1880	1880	1880	1402	1994
U.Bucket width (mm)	1740	1880	1880	1880	1880	1500	2030

Items	Unit	UQ-30 underground dump truck	UQ-15 underground dump truck	UQ-08 underground dump truck
Body volume	m³	15	7.5	4
Rated weight	kg	30000	15000	8000
Max. tractive force	kN	≥220	≥82	≥49
Maximum height at dumping position	mm	6160 ± 100	4970 ± 100	3690 ± 100
Loading height	mm	2760 ± 100	2100 ± 100	1750 ± 100
Min. ground clearance	mm	≥250	≥250	≥165
Min. turning radius(outside)	mm	≤17500	≤14000	≤14000
Gradeability(full load)	°	14	14	12
Maximum lifting Angle of trunk	°	41 ± 2	38 ± 2	38 ± 2
Lifting time of the truck	s	≤35	≤35	≤35
Drop time of the truck	s	≤20	≤25	≤25
Engine model/power	kW	WP10G375E344/275	YC6L290-T300/213	YC4A160-T300/118
Dimention	L	mm	7360 ± 100	5900 ± 100
	W	mm	2600 ± 100	2100 ± 100
	H	mm	2820 ± 100	2200 ± 100
External dimentions of the truck body	mm	5600X2512X1460	4300X2000X1000	2800X1700X750
Operation weight	kg	16800 ± 300	8600 ± 150	5000 ± 150
		The girders have 3 layers (8+8+6), the bottom thickness of the truck body is 14mm, the side thickness is 10mm, the rear door is 12mm, channel steel thickness is 6mm, the left and right sole corner are strengthened, the bottom of the truck body is evenly arranged longitudinal diversion anti-collision strips.	The girder has 2 layers (8+8), no auxiliary beam, large and wide tail, the bottom of the truck body is 14mm, the side is 10mm, the rear door is 12 channel steel is 6 thick, the left and right foot is strengthened, the bottom of the big box longitudinal uniform layout diversion anti-collision strips.	Girders: 800 straight, width 250, 2 floors (8+6). There is no auxiliary beam, large and wide tail, the bottom of the large box is 12mm, the side is 8mm, the left and right foot is strengthened, and the bottom of the large box is evenly arranged longitudinal diversion anti-collision strips.

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