

# DX 530L-6

# Monarudo

## 装载机产品特点

### Product features of loader:

#### 高可靠性

- ★ 专利可拆式密封圈
- ★ 冷压成型的钢管接头
- ★ 电器线束采用车用 AVSS 薄皮线
- ★ 变速箱渐开线花键取力口

#### 高承载性

- ★ 加强型前、后车架
- ★ H 型铲斗优化设计
- ★ H 系列加强型前桥

#### 高安全性

- ★ 驾驶室内使用阻燃材料，欧盟标准玻璃
- ★ 仪表盘增加色块提醒.燃油电子油位计
- ★ 选配 ROPS/FOPS 驾驶室
- ★ 新增后工作灯

#### 高舒适性

- ★ 超大视野的驾驶室，绿色玻璃
- ★ 人体工程学设计，可调方向机，先导操纵

#### High reliability

- ★ patent detachable sealing ring
- ★ Cold-pressed steel pipe joint
- ★ Electrical wiring harness uses AVSS thin skin wire
- ★ Gearbox involute spline force extraction port

#### High load bearing

- ★ Reinforced front and rear frame
- ★ Optimized design of H type bucket
- ★ H series of reinforced front bridge

#### High safety level

- ★ Interior of cabin uses flame retardant materials, EU standard glass
- ★ Instrument panel adds color lump reminder and electronic oil level meter
- ★ Optional ROPS/FOPS cabin
- ★ Rear working light is newly added

#### High comfortableness

- ★ Super broad vision cabin; green colored glass
- ★ Ergonomic design; adjustable direction machine; pilot control



潍柴发动机  
Weichai engine



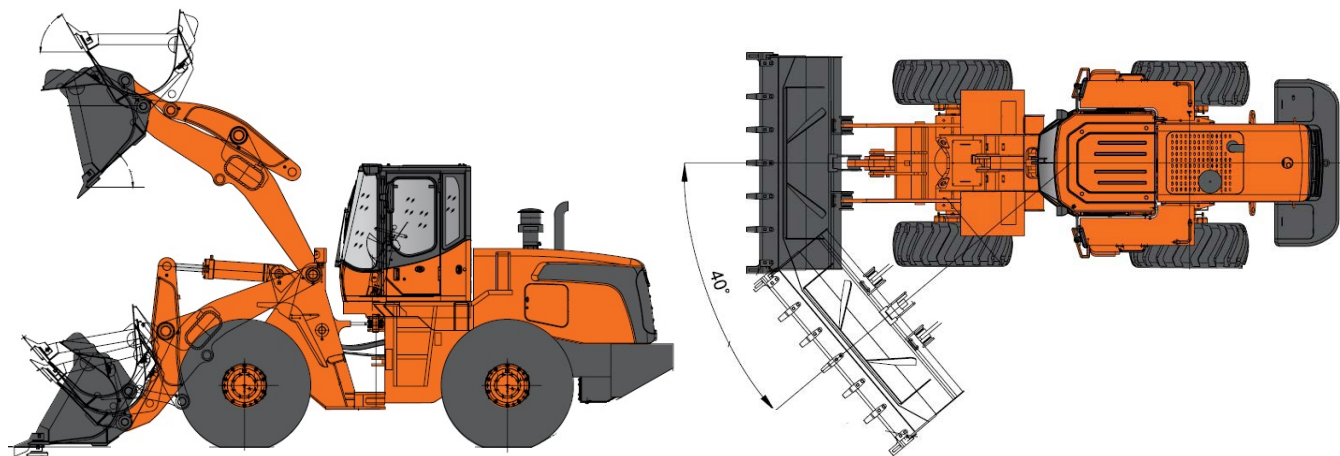
变矩器和变速箱  
Torque converter & T/M

烟台铁甲液压科技有限公司  
Yantai Tiejia Hydraulic Technology Co., Ltd

## DX530L-6

## 性能参数 Performance parameters

功率 Power	162KW/2000RPM
额定载重量 Rated loading capacity	5T
斗容 Bucket capacity	3.4m <sup>3</sup>
最大卸载高度 (刃板) Maximum dumping height (blade plate)	3100mm
对应卸载距离 (刃板) Corresponding dumping distance (blade plate)	1316mm
最大崛起力 Maximum breakout force	140KN
最小转弯半径 Minimum turning radius	6710mm
先导控 Pilot valve	单手柄 Single handle
最大扭矩 Maximum torque	950Nm/1300~1600rpm
轮距 Wheel tread	2150mm
轴距 Wheel base	3200mm
最小地间隙 Minimum ground clearance	440mm
轮胎规格 Tyre size	23.5-25-16pr
铲斗上升时间 Bucket ascending time	6s
铲斗卸载时间 Bucket dumping time	1.5s
铲斗下降时间 Bucket descending time	4s
档位 Gears	前 2 后 1 Front 2 rear 1
行车制动器 Service brake	气顶油钳盘式 Air-push oil caliper disc brake
停车制动器 Parking brake	断气制动 Air break braking
前进速度 Forward speed	36.5km/h
后退速度 Astern speed	16.5km/h
收斗角 Bucket recovery angle	48
转向角 Steering angle	40
卸载角 Dumping angle	45
爬坡能力 Gradeability	30





# TD22T-5

**Monarudo**

Engine model:	Cummins NT855-C280S10
Rated Power:	162 kW/1800 rpm
Operating weight:	23.4 t



**CREATE HIGH-QUALITY PRODUCTS  
AND RESPECT THE WORLD**








The TD22T-5 bulldozer adopts a fully automatic power shift transmission to increase power and steering performance, bringing production efficiency to a new level.

**烟台铁甲液压科技有限公司**

Yantai Tiejia Hydraulic Technology Co., Ltd



# TD22T-5 Technical parameters:

 <b>ENGINE</b>			
Model & type	Cummins NT855-C280S10; In-line, water cooled 4-cycle, overhead valve direct injection, turbocharged diesel		
Rated power	162 kW		
Number of cylinders	6—139.7 x 152.4 mm (bore x stroke)		
Piston displacement	14.01 L		
Min. fuel consumption	205 g/kW·h		
Maximum torque	1030 N·m@1250rpm		
 <b>POWER TRANSMISSION SYSTEM</b>			
Torque converter	3-element, 1 stage, 1 phase		
Transmission	Planetary gear, multi-disc clutch, power shift, forced lubrication		
Main drive	Spiral bevel gear, splash lubrication, single-stage speed reduction		
Steering clutch	Wet, multi-disc, spring loaded, hydraulically separated, hydraulic control		
Steering brake	Wet, floating band, foot brake with hydraulic booster		
Final drive	2-stage speed reduction of spur gear, splash lubrication		
 <b>TRAVEL SPEED</b>			
Gear	1st	2nd	3rd
Forward	0~3.6 km/h	0~6.5 km/h	0~11.2 km/h
Reverse	0~4.3 km/h	0~7.7 km/h	0~13.2 km/h
 <b>UNDER CARRIAGE SYSTEM</b>			
Type	Swing type of sprayed beam, suspended structure of equalizer bar		
Carrier rollers	2 each side		
Track rollers	6 each side		
Track type	Assembled, single-grouser		
Width of track shoes	560 mm		
Pitch	216 mm		
 <b>HYDRAULIC SYSTEM</b>			
Maximum pressure	14 MPa		
Pump type	Gear pump		
Discharge	262 L/min		
Bore of working cylinder × no.	120 mm × 2		
 <b>BLADE</b>			
Blade type	Straight-tilt	Angle	Semi-U-blade
Dozing capacity	6.4 m <sup>3</sup>	4.7 m <sup>3</sup>	7.5 m <sup>3</sup>
Efficiency (Theoretical value 40 m)	330 m <sup>3</sup> /h	245 m <sup>3</sup> /h	365 m <sup>3</sup> /h
Blade width	3725 mm	4365 mm	3725 mm
Blade height	1315 mm	1055 mm	1374 mm
Maximum drop below ground	538 mm	535 mm	540 mm
Maximum tilt adjustment	>735 mm	>500 mm	>755 mm
Weight of blade	2830 kg	3254 kg	3419 kg
 <b>RIPPER (OPTIONAL)</b>			
Maximum digging depth of 3-shank ripper	666 mm		
Maximum lift above ground	555 mm		
Weight of 3-shank ripper	2495 kg		
Maximum digging depth of single ripper	695 mm		
Maximum lift above ground	515 mm		
Weight of single ripper	2453 kg		



## DX225LC Monarudo Excavator



configuration parameter			PARAMETERS
Engine model	I suzu/Cummins/Doosan	Diesel tank (L)	400L
Rated power (kw/rpm)	130kw	Hydraulic oil tank (L)	196L
Hydraulic pump	Saki	Quantity of work (ton)	22. 5t
control valve	the republic of korea	Bucket capacity (m <sup>3</sup> )	1. 1m <sup>3</sup>
Rotating device	the republic of korea	(Sui table for) Crushing Hammer	135/140
emission standard	EC II, Ecm> ECW ECV		

Main body size	MAIN DIMENSIONS
Length(mm)	9571mm
Height(mm)	3005mm
Width(mm)	2990mm
Track shoe width (mm)	600/800mm
Arm length(mm)	5700mm
Rod length(mm)	2900mm

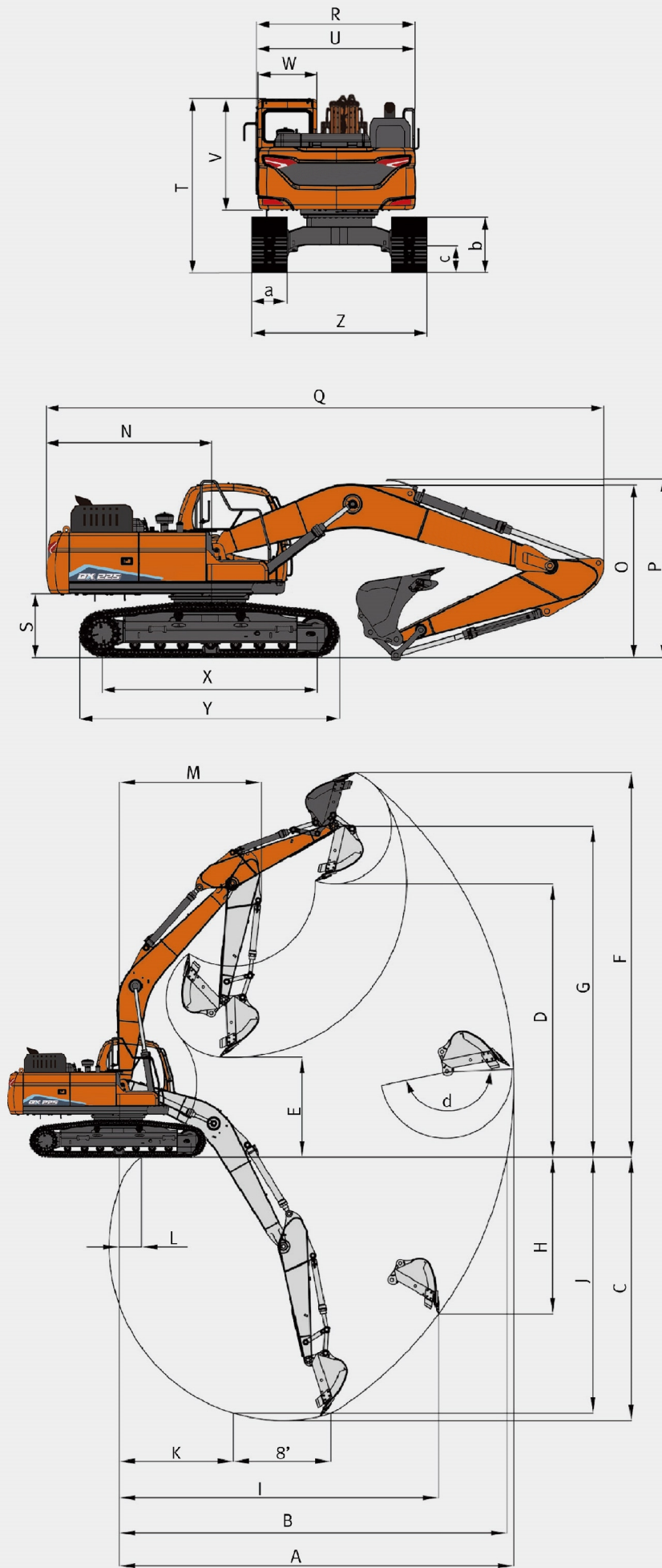
# Main specifications

DX225LC

engine		Hydraulic system		
model	Cummins/Isuzu/Doosan	type	Negative control	
inhale	Turbo	Maximum flow rate	2X210.6L/min	
Number of cylinders	6	Rotary system		
Cylinder diameter	100mm	Drive mode	Hydraulic Drive	
Piston stroke	125mm	Deceleration mechanism	Planetary gear reduction	
emission standard	EC IK ECIIR ECW、 ECV	Rotary operation brake	Wet multi disc brake	
Rated power (DX225LC)	129/133/135/110 KW	Rotation speed	10.4rpm	
Cylinder		Safety valve setting value		
Moving arm	120 x 85 x 1,263mm	Hydraulic circuit of working device	350/370kg/cm <sup>2</sup>	
Stick	135 X 95 X 1,443mm	Walking hydraulic circuit	350kg/cm <sup>2</sup>	
a scraper bucket	120X80X1,060mm	Rotary hydraulic circuit	280kg/cm <sup>2</sup>	
Drive device and brake		Fuel tank capacity		
Steering control	Integrated control of foot pedal and operating lever	Fuel tank	400L	
Drive mode	Hydraulic Drive	Hydraulic oil tank	196L	
Walking motor	Axial piston hydraulic motor	Urea tank capacity	45L	
Walking speed (high/low)	5.2/2.8km/hr	Coolant/lubricant capacity (replacement)		
Operating the brake	Hydraulic brake	radiator	30L	
Working weight (operator, lubricant, coolant, filled fuel tank, and standard configuration)		engine	29L	
Bucket (DX225)	1.05m <sup>3</sup>	Walking deceleration gear oil	2X3.3L	
Working weight (DX225)	21.3ton	Rotary reducer	5L	
Bucket (DX225LC)	1.2m <sup>3</sup>	Maximum excavation	DX225	DX225LC
Working weight (DX225LC)	22.5ton	a scraper bucket	15.3ton	14.5ton
Moving arm	5,700mm HD	Bucket (when power is applied)	16.1ton	15.4ton
Stick	2,900mm HD	Stick	9.9ton	9.9ton
		Stick (when power is	10.5ton	10.5ton



# DX225LC



# Technical parameters

# DX225LC

model			DX225	DX225LC
<b>External dimensions</b>				
Transportation height (up to the top of the boom)	0	(mm)	2,890	2,890
Transportation height (up to the top of the hose)	P	(mm)	3,005	3,005
Transportation length	Q	(mm)	9,571	9,571
Transportation width	R	(mm)	2,990	2,990
Ground clearance of counterweight	S	(mm)	1,096	1,096
Total height (up to the top of the cab)	T	(mm)	2,985	2,985
Turntable width	U	(mm)	2,709	2,709
Cabin height (above turntable)	V	(mm)	1,889	1,889
Full width of the cab	W	(mm)	1,010	1,010
Center distance between guide wheel and drive wheel	X	(mm)	3,270	3,650
Track length	Y	(mm)	4,058	4,446
Overall width	Z	(mm)	2,990	2,990
track width	a	(mm)	600	600
Track Height	b	(mm)	950	950
Minimum ground clearance	c	(mm)	475	475
<b>Scope of homework</b>				
Maximum excavation distance	A	(mm)	9,873	9,873
Maximum excavation distance on the ground	B	(mm)	9,699	9,699
Maximum excavation depth	c	(mm)	6,592	6,592
Maximum loading height	D	(mm)	6,830	6,830
Minimum loading height	E	(mm)	2,501	2,501
Maximum excavation height	F	(mm)	9,616	9,616
Maximum height of bucket pin shaft	G	(mm)	8,274	8,274
Maximum vertical arm excavation depth	H	(mm)	3,929	3,929
Maximum vertical radius	l	(mm)	7,988	7,988
Maximum excavation depth on 8-foot flat ground	J	(mm)	6,411	6,411
Minimum excavation radius on 8-foot flat ground	K	(mm)	2,858	2,858
Minimum excavation distance	L	(mm)	562	562
Minimum turning radius	M	(mm)	3,560	3,560
Bucket extension angle	d	(°)	178	178
Tail turning radius	N	(mm)	2,855	2,855