

CNBM ON-STOCK

Truck Crane List



CNBM INTERNATIONAL CORPORATION





Truck Crane List As Below:

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1 XCMG 25T Truck Crane Model: QY25K-1 4-Section Telescopic Boom 1-Section Jib Hydraulic Control Axle No: 3 Full Vision Driver's Cab



QY25K-1 Truck Crane outline profile and hydraulic system won 6 China state patents.

4-section boom of all-round octagonal boom profile, single cylinder for front support elevation, low center of gravity, good stability.

Main and auxiliary winches are independent each other, work not only individually but also simultaneously.

Full-width driver's cab with wide vision is convenient for operation.

Swing system with free-sliding function automatically align to load. Pinion offset makes meshing clearance easy to adjust.

New materials are used to minimize the vehicle total weight and maximize the whole vehicle performances. Main performances are in the leading position in the industry. Hydraulic pilot control system realizes all operations precisely with softly pushing the two joysticks on armrest (mechanical operation system for option).

Hydraulic valve block is integrated modular designed, little pressure loss and high work efficiency.

Counterbalance valve designed with international technology, oil filter, anti-cavitations device and plug in hydraulic circuit make operation more reliable.

Well-equipped safety devices such as automatic load moment limiter, hoist limit switch, and wire rope over-release cut-out device make operation more safe.

Engine, air conditioner for superstructure and carrier and hydraulic device are available for option.





Main Technical Specifications Technical Data for Lifting Operation

Classificatory		Item	Unit	Parameter
	Overall ler	ngth	mm	12360
Quitting	Overall wi	dth	mm	≤2500
Outline	Overall he	ight	mm	3380
dimension	Wheel	Axle 1, Axle 2	mm	4125
	base	Axle 2, Axle 3	mm	1350
	Total mas	s in travel state	kg	26400
Mass	Axle load	Axle 1	kg	6100
	Axie ioau	Axle 2, Axle 3	kg	21800
	Travel	Max. travel speed	km/h	72
	speed	Min. stable travel speed	km/h	3
	Turning	Min. turning diameter	m	22
	diameter	Min. turning diameter at boom tip	m	24
Travel	Min. grour	nd clearance	mm	260
performance	Approach	angle	(°)	16
	Departure	angle	(°)	13
	Braking di	stance (at 30km/h with full	m	10
	load)			
	Max. grad	e-ability	%	27
	Fuel cons	umption for 100km	L	35
	Model			D6114ZLQ5B
Power	Engine rat	ted output	kW/(r/min.)	158/2200
FOWEI	Engine rat	ted torque	N.m/(r/min.)	790/1400
	Engine rat	ted speed	rpm.	2200

Main Technical Data for Lifting Operation

Classificatory		Item	Unit	Parameter
Lifting	Max. total rated I	ifting capacity	t	25
performance	Min. rated workin	ng radius	m	3
	Turning radius at	turntable tail	m	≤3.065
	Max. load	Base boom	kN.m	948
	moment	Fully extended boom	kN.m	521
	moment	Fully extended boom + Jib	kN.m	331
	Outrigger span	Longitudinal	m	4.8
		Lateral	m	6
	Lifting height	Base boom	m	10.5





		Fully ex	tended boom	m	32.5
		Fully ext	tended boom + Jib	m	40.8
	Boom raising	g time		S	75
	Boom full ex	tension time		S	100
Marking	Max. swing speed			r/min	2.5
Working speed	Hoist speed -	Main winch	Full load	m/min	≥70
speed			No load	m/min	≥100
		Aux. winch	Full load	m/min	≥60
			No load	m/min	≥100
Noise limit	Crane exterior noise			dB (A)	≤118
	At seated po	sition		dB (A)	≤90





2 XCMG 25T Truck Crane

Model: QY25K5 5-Section Telescopic Boom No 1-Section Jib Hydraulic Control Axle No: 3 Full Vision Driver's Cab



The features of QY25K5:

1. Standard 3-axle truck crane of the most advanced performance in China with the technology and quality achieved as 30t class in foreign country.

2、First introduced the concept of 25t class with 5 boom sections, main boom length 38.5m and jib length 8.3m, and the lifting height for boom and jib is at the advanced level of international same type of cranes.

3. Main load-bearing structural parts are made of high strength steel. Application of octagonal boom profile and reasonable setting of half or fully extended boom section contribute the crane powerful load lifting capacity.

4. Hydraulic system adopts serial items of China State Patent and serial items of technical innovation, so that the whole machine features strong power, energy-saving and high efficiency.

5. Swing system with free-sliding function can automatic align to load, offset pinion makes meshing clearance easy to adjust, less impact and smooth operation.

6、Well-equipped with perfect safety devices such as load moment limiter (LML), hoist limit switch, rope-end limiter, safety control valve, hydraulic pressure protection valve, anti-cavitations and anti-blocking device, etc, make operation more reliable.

7. Environmental, energy-saving and powerful engine offers strong drive for the crane carrier and improves travel performance for the whole machine.

8 Spacious and beautiful operator's cab, equipped with adjustable seat, newly-designed air-conditioning system, etc. all present the concept of "People Coming First".





Main Technical Specifications Technical Data for Lifting Operation

Classificatory	Item	<u> </u>	Unit	Parameter
Outline	Overall length		mm	12000
Outline dimension	Overall width		mm	2500
uimension	Overall height		mm	3380
	Total mass in travel	state	kg	31000
Mass	Axle load	Front Axle	kg	6440
	Axie Iudu	Rear Axle	kg	24600
	Travel speed	Max. travel speed	km/h	75
	Turning diameter	Min. turning diameter	m	22
	Min. ground clearar	ice	mm	260
Travel	Approach angle		(°)	16
performance	Departure angle		(°)	13
	Braking distance (at speed of 30km/h)		m	10
	Max. grade-ability		0⁄0	30
	Fuel consumption for	or 100km	L	37
	Engine rated output		kW/(r/min.)	206/2200
Power	Engine rated torque	•	N.m/(r/min.)	1112/1400
	Engine rated speed		rpm.	2200

Main Technical Data for Lifting Operation

Classificatory		Unit	Parameter	
	Max. total rated lifting capacity		t	25
	Min. rated working radius		m	3
Lifting performance	Turning radius at turntable tail		m	3.065
	Max load	Base boom	kN.m	961
		Fully extended boom	kN.m	450
		Fully-extend boom+Jib	kN.m	4







3 XCMG 25T Truck Crane Model: QY25K5-1 5-Section Telescopic Boom 1-Section Jib Hydraulic Control Axle No: 3 Full Vision Driver's Cab



The features of QY25K5-1:

1、 Standard 3-axle truck crane of the most advanced performance in China with the technology and quality achieved as 30t class in foreign country.

2、First introduced the concept of 25t class with 5 boom sections, main boom length 38.5m and jib length 8.3m, and the lifting height for boom and jib is at the advanced level of international same type of cranes.

3. Main load-bearing structural parts are made of high strength steel. Application of octagonal boom profile and reasonable setting of half or fully extended boom section contribute the crane powerful load lifting capacity.

4. Hydraulic system adopts serial items of China State Patent and serial items of technical innovation, so that the whole machine features strong power, energy-saving and high efficiency.

5. Swing system with free-sliding function can automatic align to load, offset pinion makes meshing clearance easy to adjust, less impact and smooth operation.

6. Well-equipped with perfect safety devices such as load moment limiter (LML), hoist limit switch, rope-end limiter, safety control valve, hydraulic pressure protection valve, anti-cavitations and anti-blocking device, etc, make operation more reliable.

7. Environmental, energy-saving and powerful engine offers strong drive for the crane carrier and improves travel performance for the whole machine.

8 Spacious and beautiful operator's cab, equipped with adjustable seat, newly-designed air-conditioning system, etc. all present the concept of "People Coming First".





Main Technical Specifications Technical Data for Lifting Operation

Classificatory	Item	<u> </u>	Unit	Parameter
Outline	Overall length		mm	12000
Outline dimension	Overall width		mm	2500
uimension	Overall height		mm	3380
	Total mass in travel	state	kg	31000
Mass	Axle load	Front Axle	kg	6440
	Axie Iudu	Rear Axle	kg	24600
	Travel speed	Max. travel speed	km/h	75
	Turning diameter	Min. turning diameter	m	22
	Min. ground clearar	ice	mm	260
Travel	Approach angle		(°)	16
performance	Departure angle		(°)	13
	Braking distance (at speed of 30km/h)		m	10
	Max. grade-ability		0⁄0	30
	Fuel consumption for	or 100km	L	37
	Engine rated output		kW/(r/min.)	206/2200
Power	Engine rated torque	•	N.m/(r/min.)	1112/1400
	Engine rated speed		rpm.	2200

Main Technical Data for Lifting Operation

Classificatory		Unit	Parameter	
	Max. total rated lifting capacity		t	25
	Min. rated working radius		m	3
Lifting performance	Turning radius at turntable tail		m	3.065
	Max load	Base boom	kN.m	961
		Fully extended boom	kN.m	450
		Fully-extend boom+Jib	kN.m	4





4 XCMG 25T Truck Crane Model: QY25E 4-Section Telescopic Boom 1-Section Jib Mechanical Control Axle No: 3 Semi-mounted Driver's Cab



QY25E Truck Crane is equipped with XZ25A truck crane special chassis and Euro II compliant D6114ZLQ5B/WD615.64 engine.

4-section telescopic boom, 1-section jib, double H-shaped outriggers and single cylinder for front support elevating. Boom is telescoped sequentially and synchronously. Main and auxiliary winches can be driven individually.

4-section telescopic boom is made of high-tensile steel with hexagonal boom profile, high strength and heavy load lifting capacity.

Hoist mechanism is double independent winches with two-stage planetary reducer, compact structure, smooth and reliable work. Swing system with double-way-sliding function enables the boom to slide automatically to position during lifting operation.

Single top and adjustable offset jib meet special need of operation on high building and narrow site.

Automatic load moment limiter (LML) and LCD indicator equipped can dynamically display the data of working radius, boom length, boom angle, actual lifting load, etc., and the function of overload warning ensures safe and reliable operation.

QY25E plateau type, optional for users in highland area, is suitable for special working environment of heavy wind and sand, lower temperature, rare air, etc.

Classificatory	Item		Unit	Parameter		
Engine	Model		D6114ZL	Q5B		
	Overall le	Overall length		12380		
Outline	Overall width		mm	≤2500		
dimension	Overall height		mm	3500		
	Wheel	Axle 1, Axle 2	mm	4025		
	base	Axle 2, Axle 3	mm	1350		
Mass	Total mas	Total mass in travel state		26400		
	Axle load	Axle 1	kg	6530		

Main Technical Specifications Technical Data for Lifting Operation





		Axle 2, Axle 3	kg	19870
	Travel	Max. travel speed	km/h	≥63
	speed	Min. stable travel speed	km/h	≤4
	Turning	Min. turning diameter	m	≤19
	diameter	Min. turning diameter at boom tip	m	≤22
Travel	Min. grour	nd clearance	mm	≥273
performance	Approach	angle	(°)	≥21
	Departure	angle	(°)	≥10
	Braking d load)	Braking distance (at 30km/h with full load)		≤9.5
	Max. grade-ability		%	≥23
	Fuel consumption for 100km		L	36

Main Technical Data for Lifting Operation

Classificatory	Item		Unit	Parameter		
	Max. total rate	ed lifting cap	acity	t	25	
	Min. rated wo	rking radius		m	3	
	Turning radius	s at turntable	e tail	m	≤3.56	
	Max	Base bo	om	kN.m	806	
	Max. I moment	Fully ex	ended boom	kN.m	521	
	moment	Fully ex	ended boom + Jib	kN.m	280	
Lifting	Outrigger spa	n Longitud	linal	m	4.8	
performance	Outrigger spa	Lateral		m	6	
		Base bo	Base boom		≥10.5	
		Fully ex	Fully extended boom		≥31.5	
	Lifting height		Fully extended boom + Jib (jib offset 5°)		≥39.2	
			Fully extended boom + Jib (jib offset 30°)		≥38	
	Boom raising time			s	≤72	
	Boom full extension time			s	≤115	
Morting	Max. swing s	beed		r/min	3	
Working speed			Full load	m/min	≥90	
speed	Hoist speed (single line-		No load	m/min	≥120	
	(single line at 3rd layer) Aux		Full load	m/min	≥90	
			No load	m/min	≥120	
Noise limit	Crane exterio	r noise		dB (A)	≤120	
	At seated pos	sition		dB (A)	≤90	





5 XCMG 50T Truck Crane Model: QY50K-1 5-"U"Section Telescopic Boom 2-Section Jib Hydraulic Control Axle No: 4 Full Vision Driver's Cab



QY50K-1 Truck Crane is advanced product with 6 designs won China state patents. Outstanding performance and the best lifting capacity.

Full-width driver's cab is spacious, bright and comfortable.

Powerful Styre WD615.67A engine conforms to Euro II.

Hydraulic pilot proportional control makes accurate lifting operation.

Control components are designed in integrated modules, little energy loss and high efficiency.

5-section telescopic boom has all-round hexagonal boom profile or oviform boom profile. Telescoping system of double cylinders plus wire ropes maximizes lifting capacity.

2-section folding jib with three kinds of offset angle and an additional single top enlarge working range.

Well-equipped safety devices such as automatic load moment limiter, hoist limit switch, over-wind and over-release cut-out devices conform to China state compulsory standards.

Double H-shaped outrigger with additional front 5th outrigger realize 360° fully swing lifting operation.

Two independent winches, swing unit with free-sliding function can realize load automatically sliding to position.

Operator's cab, with adjustable seat and equipped with indicator, is convenient for operation. Air conditioner and heater are for option.

World advanced hydraulic parts are available for option.

QY50K plateau type, available for option of customers in highland area, is suitable for operation in special working environment of heavy wind and sand, lower temperature, rare air, and etc.





Main Technical Specifications
Technical Data for Lifting Operation

	14	Teennical Data for Enting Ope	ù	Developmenter
			Unit	Parameter
	Overall length		mm	13100
	Overall wi	dth	mm	≤2750
Outline	Overall he	ight	mm	3350
dimension	Wheel	Axle 1, Axle 2	mm	1520
	Wheel base	Axle 2, Axle 3	mm	3815
	Dase	Axle 3, Axle 4	mm	1350
	Total mass	s in travel state	kg	38580
Mass	Axle load	Front axle	kg	12950
	Axie loau		kg	25630
	Travel	Max. travel speed	km/h	66
	speed	Min. stable travel speed	km/h	2.7
	l urning diameter	Min. turning diameter	m	24
		Min. turning diameter at boom tip	m	26.8
Travel	Min. grour	nd clearance	mm	285
performance	Approach	angle	(°)	16
	Departure	angle	(°)	16
	Braking distance (at 30km/h with full load)		m	10
	Max. grad	e-ability	%	27
	Fuel cons	umption for 100km	L	36
	Model			WD615.67A
Dowor	Engine rat	ed output	kW/(r/min.)	206/2200
Power	Engine rat	ted torque	N.m/(r/min.)	1100/1400
	Engine rat	ed speed	rpm.	2200

Main Technical Data for Lifting Operation

Classificatory	Item		Unit	Parameter	
Lifting	Max. total rated li	fting capacity	t	50	
performance	Min. rated workin	g radius	m	3	
	Turning radius at	turntable tail	m	≤3.485	
	Max. load moment	Base boom	kN.m	1764	
		Fully extended boom	kN.m	823	
		Fully extended boom + Jib	kN.m	492.8	
	Outrigger span	Longitudinal	m	5.65	





	Lateral		m	6.6	
		Base bo	om	m	10.75
	Lifting height	E Fully ext	ended boom	m	40
		Fully ext	ended boom + Jib	m	55.8
	Boom raising	g time		S	88
	Boom full extension time			S	180
Marking	Max. swing speed			r/min	2.0
Working speed	Hoist speed Aux.	Main winch	Full load	m/min	≥85
speed			No load	m/min	≥110
			Full load	m/min	≥80
			No load	m/min	≥110
Noise limit	Crane exterior noise			dB (A)	≤118
	At seated po	sition		dB (A)	≤90







6 XCMG 50T Truck Crane Model: QY50K-2 5-"U"Section Telescopic Boom 2-Section Jib Hydraulic Control Axle No: 4 Full Vision Driver's Cab



QY50K-1 Truck Crane is advanced product with 6 designs won China state patents. Outstanding performance and the best lifting capacity.

Full-width driver's cab is spacious, bright and comfortable.

Powerful Styre WD615.67A engine conforms to Euro II.

Hydraulic pilot proportional control makes accurate lifting operation.

Control components are designed in integrated modules, little energy loss and high efficiency.

5-section telescopic boom has all-round hexagonal boom profile or oviform boom profile. Telescoping system of double cylinders plus wire ropes maximizes lifting capacity.

2-section folding jib with three kinds of offset angle and an additional single top enlarge working range.

Well-equipped safety devices such as automatic load moment limiter, hoist limit switch, over-wind and over-release cut-out devices conform to China state compulsory standards.

Double H-shaped outrigger with additional front 5th outrigger realize 360° fully swing lifting operation.

Two independent winches, swing unit with free-sliding function can realize load automatically sliding to position.

Operator's cab, with adjustable seat and equipped with indicator, is convenient for operation. Air conditioner and heater are for option.

World advanced hydraulic parts are available for option.

QY50K plateau type, available for option of customers in highland area, is suitable for operation in special working environment of heavy wind and sand, lower temperature, rare air, and etc.





Main Technical Specifications
Technical Data for Lifting Operation

	14	Teennical Data for Enting Ope	ù	Developmenter
			Unit	Parameter
	Overall length		mm	13100
	Overall wi	dth	mm	≤2750
Outline	Overall he	ight	mm	3350
dimension	Wheel	Axle 1, Axle 2	mm	1520
	Wheel base	Axle 2, Axle 3	mm	3815
	Dase	Axle 3, Axle 4	mm	1350
	Total mass	s in travel state	kg	38580
Mass	Axle load	Front axle	kg	12950
	Axie loau		kg	25630
	Travel	Max. travel speed	km/h	66
	speed	Min. stable travel speed	km/h	2.7
	l urning diameter	Min. turning diameter	m	24
		Min. turning diameter at boom tip	m	26.8
Travel	Min. grour	nd clearance	mm	285
performance	Approach	angle	(°)	16
	Departure	angle	(°)	16
	Braking distance (at 30km/h with full load)		m	10
	Max. grad	e-ability	%	27
	Fuel cons	umption for 100km	L	36
	Model			WD615.67A
Dowor	Engine rat	ed output	kW/(r/min.)	206/2200
Power	Engine rat	ted torque	N.m/(r/min.)	1100/1400
	Engine rat	ed speed	rpm.	2200

Main Technical Data for Lifting Operation

Classificatory	Item		Unit	Parameter	
Lifting	Max. total rated li	fting capacity	t	50	
performance	Min. rated workin	g radius	m	3	
	Turning radius at	turntable tail	m	≤3.485	
	Max. load moment	Base boom	kN.m	1764	
		Fully extended boom	kN.m	823	
		Fully extended boom + Jib	kN.m	492.8	
	Outrigger span	Longitudinal	m	5.65	





	Lateral		m	6.6	
		Base bo	om	m	10.75
	Lifting height	E Fully ext	ended boom	m	40
		Fully ext	ended boom + Jib	m	55.8
	Boom raising	g time		S	88
	Boom full extension time			S	180
Marking	Max. swing speed			r/min	2.0
Working speed	Hoist speed Aux.	Main winch	Full load	m/min	≥85
speed			No load	m/min	≥110
			Full load	m/min	≥80
			No load	m/min	≥110
Noise limit	Crane exterior noise			dB (A)	≤118
	At seated po	sition		dB (A)	≤90





7 XCMG 50T Truck Crane

Model: QY50B 5-Section U-Shaped Telescopic Boom 2-Section Jib Hydraulic Control Axle No: 4 Semi-Mounted Driver's Cab



QY50B Truck Crane adopts self-made XZ50 special chassis, drive type 8×4. Powerful Styre WD615.67A engine conforms to emission standard of Euro II.

5-section telescopic boom has all-round hexagon boom profile or oviform boom profile.. Boom telescoping system is double cylinders plus two-row of wire ropes, which maximizes load lifting capacity.

2-section folding jib with three kinds of offset angle and an additional single top enlarge working range.

Double cylinders for elevating have good stability.

Double H-shaped outriggers with additional front 5th outrigger realize 360° full swing lifting operation.

Two independent winches with variable displacement motor supply oil by single pump or double pumps to obtain low speed with heavy load or high speed with light load at high work efficiency.

Swing system with free-sliding function realize lifted load automatically sliding to position.

Safe and reliable automatic load moment limiter and hoist limit switch conform to China state compulsory standards.

Operator's cab, with adjustable seat and equipped with indicator and pressure gauge etc, is convenient for operation. Air conditioner and heater are for option.

Driver's cab equipped with damping adjustable seat and adjustable steering wheel is convenient for driving operation.

QY50B plateau type, available for option of customers in highland area, is suitable for operation in special working environment of heavy wind and sand, lower temperature, rare air, and etc.





Main Technical Specifications Technical Data for Lifting Operation

Classificatory	Item	<u></u>	Unit	Parameter
	Overall length		mm	13270
	Overall wi	dth	mm	≤2750
Outline	Overall he	ight	mm	3300
dimension	Wheel	Axle 1, Axle 2	mm	1520
	base	Axle 2, Axle 3	mm	3815
	Dase	Axle 3, Axle 4	mm	1350
	Total mass	s in travel state	kg	39870
Mass	Axle load	Front axle	kg	13935
		Rear axle	kg	25935
	Travel	Max. travel speed	km/h	66
	speed	Min. stable travel speed	km/h	3
	i urning diameter	Min. turning diameter	m	24
		Min. turning diameter at boom tip	m	25
Travel	Min. grour	nd clearance	mm	275
performance	Approach	angle	(°)	16
	Departure	angle	(°)	10
	Braking distance (at 30km/h with full load)		m	10
	Max. grade-ability		%	37
	Fuel consi	umption for 100km	L	48
	Model	Model		WD615.67A
Power	Engine rat	ed output	kW/(r/min.)	206/2200
	Engine rat	ed torque	N.m/(r/min.)	1100/1400
	Engine rat	ed speed	rpm.	2200

Main Technical Data for Lifting Operation

Classificatory	Item		Unit	Parameter	
Lifting	Max. total rated li	fting capacity	t	50	
performance	Min. rated workin	g radius	m	3	
	Turning radius at turntable tail		m	≤3.8	
	Max. load moment	Base boom	kN.m	1509	
		Fully extended boom	kN.m	631	
		Fully extended boom + Jib	kN.m	441	
		Longitudinal	m	5.45	
	Outrigger span	Lateral	m	6.6	





		Base b	Base boom		10.7
	Lifting height	Fully ex	tended boom	m	40.1
		Fully ex	ktended boom + Jib	m	55.1
	Boom raising	ı time		S	120
	Boom full ext	ension time	S	180	
	Max. swing s	ax. swing speed			2.0
Working		Main winch	Full load	m/min	≥70
speed	Hoist speed		No load	m/min	≥118
	· · ·	Aux. winch	Full load	m/min	≥70
			No load	m/min	≥118
Noise limit	Crane exterior noise			dB (A)	≤118
	At seated po	At seated position			≤90





8 XCMG 70T Truck Crane

Model: QY70K 5-"U"Section Telescopic Boom 2-Section Jib Hydraulic Control Axle No: 4 Full Vision Driver's Cab



The features of QY70K:

1. The concept of making "safe, environmental, reliable and advanced" products is implemented during designing and manufacturing processes.

2. Gross vehicle weight is reduced and reliability is improved greatly due to adoption of components made by established manufacturers worldwide, as well as first class steel plates and key hydraulic parts.

3 Excellent lifting performance and wide working areas due to variety of counterweight combination, outrigger positions (fully extended and half extended), single top. Its main lifting performance ranks first in domestic similar products.

4、Electro-hydraulic proportional control system and hydraulic system equipped with advanced electro hydraulic proportional valves, slewing buffer valves and electric variable motor contribute to improvements on smooth operation and inching control.

5. Oval cross-section boom has features of strong anti-torsion and reasonable transfer of tension. New materials such as WELDOX 960 super-high tension steel, glass fiber reinforce plastic and aluminum alloy not only meets high performance requirements, but also reduces gross vehicle weight.

6. High working efficiency is achieved by adoption of double variable main hoist system contributing to low speed with heavy load, high speed with light load and energy saving, as well as high elevating and telescoping speed.

7. Spacious and bright cabs for driver and operator, equipped with heater and air conditioner, comfortable for operation.

8. Powerful environmental chassis engine contributes to excellent maneuverability.

	reennied Build for Enting operatio		
Classificatory	Item	Unit	Parameter

Main Technical Specifications





CNBM International Corporation

	Overall length			mm		13500
Outline				mm		2800
						3510
dimension		Axle 1, Axle 2		mm mm		1520
	Wheel base	Axle 2, Axle 3		mm		3965
		Axle 3, Axle 4		mm		1350
	Total mass in t			kg		41000
Mass		Axle 1, Axle 2		kg		15000
11/1033	Axle load	Axle 1, Axle 2 Axle 3, Axle 4		kg		26000
	Troval anad					
_	Travel speed	Max. travel sp		km/ł	1	75
	Turning			m		24
	diameter	Min. turning c boom tip	lameter at	m		29.0
Travel	Min. ground clearance			mm		270
performance	Approach angle			(°)		16.5
	Departure angle			(°)		11.3
	Braking distance (at speed of 30km/h)			m		≤10
	Max. grade-ability			%		40
-	Fuel consumption for 100km			L		42
	Engine rated output			kW/	(r/min.)	266/2208
Power	Engine rated torque			N.m/(r/min.)		1460/1400
	Engine rated speed			rpm.		2200
· · · · · · · · · · · · · · · · · · ·	Main Technical I	Data for Lifting	Operation			
Classificatory	Item				Unit	Parameter
	Max. total rat	Max. total rated lifting capacity			t	70
	Min. rated wo	orking radius			m	3
	Turning radiu	is at turntable t	ail		m	3550
			Base boon		kN.m	2303
Lifting performanc	Max. load mo	oment	Fully extended boom Fully extended boom + Jib			1043
					kN.m	492.8
	Outrigger spa	an	Longitudin	al	m	5.75





9XCMG 70T Truck Crane

Model: QY70K-1 5-"U"Section Telescopic Boom 2-Section Jib Hydraulic Control Axle No: 4 Full Vision Driver's Cab



The features of QY70K:

1. The concept of making "safe, environmental, reliable and advanced" products is implemented during designing and manufacturing processes.

2. Gross vehicle weight is reduced and reliability is improved greatly due to adoption of components made by established manufacturers worldwide, as well as first class steel plates and key hydraulic parts.

3 Excellent lifting performance and wide working areas due to variety of counterweight combination, outrigger positions (fully extended and half extended), single top. Its main lifting performance ranks first in domestic similar products.

4、Electro-hydraulic proportional control system and hydraulic system equipped with advanced electro hydraulic proportional valves, slewing buffer valves and electric variable motor contribute to improvements on smooth operation and inching control.

5. Oval cross-section boom has features of strong anti-torsion and reasonable transfer of tension. New materials such as WELDOX 960 super-high tension steel, glass fiber reinforce plastic and aluminum alloy not only meets high performance requirements, but also reduces gross vehicle weight.

6. High working efficiency is achieved by adoption of double variable main hoist system contributing to low speed with heavy load, high speed with light load and energy saving, as well as high elevating and telescoping speed.

7. Spacious and bright cabs for driver and operator, equipped with heater and air conditioner, comfortable for operation.

8. Powerful environmental chassis engine contributes to excellent maneuverability.

Main Technical Specifications

Technical Data for Lifting Operation

Classificatory Item	Unit	Parameter
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CNBM International Corporation

	Overall length			mm		13500
Outline				mm		2800
						3510
dimension		Axle 1, Axle 2		mm mm		1520
	Wheel base	Axle 2, Axle 3		mm		3965
		Axle 3, Axle 4		mm		1350
	Total mass in t			kg		41000
Mass		Axle 1, Axle 2		kg		15000
11/1033	Axle load	Axle 1, Axle 2 Axle 3, Axle 4		kg		26000
	Troval anad					
_	Travel speed	Max. travel sp		km/ł	1	75
	Turning			m		24
	diameter	Min. turning c boom tip	lameter at	m		29.0
Travel	Min. ground clearance			mm		270
performance	Approach angle			(°)		16.5
	Departure angle			(°)		11.3
	Braking distance (at speed of 30km/h)			m		≤10
	Max. grade-ability			%		40
-	Fuel consumption for 100km			L		42
	Engine rated output			kW/	(r/min.)	266/2208
Power	Engine rated torque			N.m/(r/min.)		1460/1400
	Engine rated speed			rpm.		2200
· · · · · · · · · · · · · · · · · · ·	Main Technical I	Data for Lifting	Operation			
Classificatory	Item				Unit	Parameter
	Max. total rat	Max. total rated lifting capacity			t	70
	Min. rated wo	orking radius			m	3
	Turning radiu	is at turntable t	ail		m	3550
			Base boon		kN.m	2303
Lifting performanc	Max. load mo	oment	Fully extended boom Fully extended boom + Jib			1043
					kN.m	492.8
	Outrigger spa	an	Longitudin	al	m	5.75





10 ZOOMLION 25T Truck Crane Model: QY25V431 4-Section Telescopic Boom 1-Section Jib Mechanical Control Axle No: 3 Full Vision Driver's Cab



The QY25V432 truck crane, which is developed independently to adapt to the market demands, is a new-generation and high-performance product integrating our company many years' manufacturing experience with advanced technologies. Its performances such as lifting height, boom length, working speed and lifting capacity have achieved advanced international level.

The truck crane, with spacious cab and compact decoration, adopts full slewing system, 4-section telescopic boom sections, hydraulic proportional control system and self-made full-width special purpose chassis with three axles. 6×4 drive provides the crane with good driving performance and flexible steering. The engine complies with the National Stage III emission standard.

The system with latest load feedback hydraulic operated proportional directional control valve and quadruple gear pump, and the safety devices fitted in hydraulic system, such as relief valve, balance valve, hydraulic lock and brake valve etc., prevents the oil line from overloading and the accidents caused by oil pipe breakage and makes full use of the working capacity of each actuating mechanism. Thus the reliability and safety of the crane are increased.

The safety devices such as load moment limiter, and the complete lighting system equipped in the crane ensure your safety during operation and are convenient for night work.





CNBM			I International Corporation
		ical Specifications	1
	Item	Value	Remarks
	Max. rated lifting	25000	
	capacitykg		
	Max. load moment of	980	
	basic boom		
	kN.m		
	Max. load moment of	573	
Working	max. boom		
performance	lengthkN.m		
	Max. lifting height of	11.5	
	basic boom m		
	Max. lifting height of	33.8	
	boom m	00.0	Deformation of the
	Max. lifting height of	41.6	boom is not taken into
	jib m	11.0	consideration.
	Max. hoist rope	120	At 4 th layer
	speed (main winch)	120	
	m/min		
	Max. hoist rope	100	At 2 nd layer
	speed(auxiliary	100	
Working speed	winch) m/min		
froming opeou	Boom derricking	40	
	, and the second s		
		60	
		0~2.2	
	• •	78	
		37	
	•		
		220	
Traveling	-		
-			GB3847-2005
			GB17691-2005
	pollutants and smoke	standards	
			(National stage III)
	Oil consumption per	45	, , ,
	hundred kilometers L		
Weights	Deadweight in	30000	
Traveling specifications Weights	times Boom extending times Slewing speed r/min Max. traveling speed km/h Max. gradeability % Min. turning diameter m Min. ground clearance mm Limits for exhaust pollutants and smoke Oil consumption per hundred kilometers L		GB3847-2005 GB17691-2005 (National stage III)





		traveling condition		_
		J		
		kg		
		Complete vehicle	29870	
		kerb mass kg		
		Front axle load kg	6800	
		Rear axle loadkg	23200	
		Overall dimensions	12800×2500×3430	
		(L×W×H) mm		
		Longitudinal distance	5.36	
		between outriggersm	1	
Dimen	sions	Transversal distance	6.1	
Dimer	1510115	between outriggers n	า	
		Boom length m	10.5~33.3	
		Boom angle°	-2~80	
		Jib length m	8	
		Offset °	0, 30	
		Model	ZLJ5325	Code: ZLJ5325V3
	Class		II	
		Model	WP10.270	
		Rated	199/2200	
ChassisEngine		powerkW/r/min		
		Max. output	1100/1300~1600	
		torqueN.m/r/min		
	Manufa	cturer	Changsha Zoomlion Heavy Industry Science &	
	Manufacturer		Technology Deve	elopment Co., Ltd.





11 ZOOMLION 25T Truck Crane Model: QY25V531 5-Section Telescopic Boom 1-Section Jib Mechanical Control Axle No: 3 Full Vision Driver's Cab



The QY25V531 truck crane, which is developed independently to adapt to the market demands, is a new-generation and high-performance product integrating our company many years' manufacturing experience with advanced technologies. Its performances such as lifting height, boom length, working speed and lifting capacity have achieved advanced international level.

The truck crane, with spacious cab and compact decoration, adopts full slewing system, 5-section telescopic boom sections, hydraulic proportional control system and self-made full-width special purpose chassis with three axles. 6×4 drive provides the crane with good driving performance and flexible steering. The engine complies with the National Stage III emission standard.

The system with latest load feedback hydraulic operated proportional directional control valve and quadruple gear pump, and the safety devices fitted in hydraulic system, such as relief valve, balance valve, hydraulic lock and brake valve etc., prevents the oil line from overloading and the accidents caused by oil pipe breakage and makes full use of the working capacity of each actuating mechanism. Thus the reliability and safety of the crane are increased.

The safety devices such as load moment limiter, and the complete lighting system equipped in the crane ensure your safety during operation and are convenient for night work.





Main Technical Specifications				
	Item	Value	Remarks	
	Max. rated lifting capacity kg	25000		
	Max. load moment of basic boom kN.m	980		
Working	Max. load moment of max. boom length kN.m	494		
performance	Max. lifting height of basic boom m	11.0		
	Max. lifting height of boom m	39	Deformation of the boom is not taken into	
	Max. lifting height of jib m	47.0	consideration.	
	Max. hoist rope speed (main winch) m/min	120	At 4 th layer	
	Max. hoist rope speed(auxiliary winch) m/min	100	At 2 nd layer	
Working speed	Boom derricking time s	40		
	Boom extending time s	80		
	Slewing speed r/min	0~2.2		
	Max. traveling speed km/h	78		
	Max. gradeability %	37		
	Min. turning diameter m	≤22		
Traveling	Min. ground clearance mm	220		
specifications			GB3847-2005	
	Limits for exhaust pollutants and smoke	Meet with related standards	GB17691-2005	
			(National stage III)	
	Oil consumption per hundred kilometers L	45		
Weights	Deadweight in traveling condition kg	31700		
	Complete vehicle kerb mass kg	31570		





					-	ernational corporation
		Item		Value		Remarks
		Front axle load kg		6900		
		Rear axle load	l kg	24800		
		Overall dimens (L×W×H)mr		12700×2500×3450		
		Longitudinal dist		5.36		
Dimens	sions	Transversal distance between outriggers m		6.1		
		Boom length				
		Boom angle	°	-2~80		
		Jib lengthm	ו	8		
		Offset°		0,30		
		Model		ZLJ5325		Code:ZLJ5325V3
	Class			II		
		Model		WP10.270		
Chassis		Rated power		199/2200		
Engin		kW/r/min				
		Max. output		1100/1300 ~1600		
		torque				
		N.m/r/min				





12 ZOOMLION 25T Truck Crane

Model: QY25E431 4-Section Telescopic Boom 1-Section Jib Mechanical Control Axle No: 3

Semi-Mounted Driver's Cab



This type of truck crane, one of the classic products in the same trade, has earned a good reputation from the customers.

The truck crane adopts self–made special-purpose chassis with 6×4 drive. The ergonomic streamline semi-mounted driver's cab with double wing door, which has obtained a national patent, makes it convenient for rear rider to get on/off cab.

The crane adopts WEICHAI Steyr engine which is specially developed for those cranes that often travel at low speed. This kind of engine not only can produce large output torque when it starts and increase the traveling speed quickly, but also has excellent starting performance and good gradeability.

The crane is equipped with 8-speed gearbox which changes gear smoothly and is of simple structure and makes maintenance convenient.

The crane is fitted with a 33.3m long hexagon-section boom which is made of high-strength steel, so the boom has strong resistance to bending and torsion. The distinctively-designed circular arc sliding block (having obtained a national patent) makes the stress distributed more evenly, the load carrying capacity stronger, and the adjustment easier. The local rigidity in boom supporting point is good, which has improved the lifting capacity on boom with same thickness and achieved the goal of greater lifting capacity on lighter boom.

The unique manual full proportional control incorporates the advantages of traditional lever control and electric-hydraulic pilot control. It not only reserves the merits of safety & reliability of original control structure and low maintenance cost,





but also realizes that the working speed of actuating mechanism is only proportional to the opening degree of control valves rather than affected by the load. Furthermore, it has improved the speed-regulation performance.

The slewing mechanism has the functions of protecting the crane automatically when the crane is overloaded, reducing the impacts, and activating hydraulic brake when the hydraulic control valve is in neutral position as well as free swing. In addition, it can automatically make boom, wire rope and lifted load slew simultaneously, and minimize the sway of boom and load while the crane starts or stops quickly, and accelerates or decelerates slewing.

We have made constant improvements on our products, for instance, adding radiator for hydraulic system and mounting hydraulic oil tank of large capacity on the slewing table. Therefore, the radiating performance of hydraulic system is improved and the continuous working hours are 2~3 times of that of the same trade's products. The crane is fitted with outrigger lamps which can facilitate operation at night.

The crane is equipped with high-quality load moment limiter which has such advantages as great precision and complete information shown on the display. In this way, the safe lifting operation can be guaranteed.

	Item	Value	Remarks
	Max. rated total lifting capacitykg	25000	
	Max. load moment of basic boom kN.m	980	
Working performance	Max. load moment with max. main boom lengthkN.m	573	
specification	Max. lifting height of basic boomm	11.5	
	Max. lifting height of main boomm	33.8	Deformation of main boom is not
	Max. lifting height of fly jibm	41.6	taken into consideration.
Working speed	Max. speed of single rope on main winch m/min	120	The 4 th layer of drum
	Max. speed of single rope onauxiliary winchm/min	105	The 2 nd layer of drum
	Derricking time of booms	40	

Main Technical Specifications





Telescopic time of booms 60 Slewing speed/min 0~2.2 Max. traveling speed/min 0~2.2 Max. gradeability% 40 Max. gradeability% 40 Min. turning circle diameterm 20 Min. ground clearancemm 220 Min. ground clearancemm 220 Min. ground clearancemm 220 GB3847-2005 GB17691 -2005 GB17691 -2005 GB17691 -2005 Mass Seconsumption per hundred kilometersL 46 Diatons per hundred kilometersL 28930 28930 Mass Kg 28930 28930 Front axle loadkg 22630 28930 28930 Distance between outriggersm 5.36 28930 28930 Distance between outriggersm 5.36 28930 28930 Main boom l					national Corporation
Max. traveling speedkm/h 72 Max. gradeability% 40 Max. gradeability% 40 Min. turning circle diameterm 20 Min. ground clearancemm 220 Limits for exhaust pollutants and smoke Comply with related standards Oil consumption per hundred kilometersL 46 Deadweight of crane in traveling condition 28930 Kass kg Complete vehicle kerb masskg 28800 Front axle loadkg 6300 Rear axle loadkg 22630 Overall dimension specification Overall Base on outriggersm 5.36 Distance between outriggersm 6.1 Main boom angle° -2~80 Fly jib lengthm 8 Offset angle of fly jib° 0, 30 Model ZLJ5314 Class II Feature No. ZLJ5314D3.1 Model WP10.270 Rated 199/2200 powerkW/r/min 1100/1200~1600 Manufacturer Changsha Zoomlion Heavy Industry Science & Technology Develop		Telesc	opic time of booms	60	
Max. gradeability%40Min. turning circle diameterm20Min. ground clearancemm220Limits for exhaust pollutants and smokeComply with related standardsGB3847-2005 GB17691 -2005 (Stage III)Mass specificationOil consumption per hundred kilometersL46Mass specificationDeadweight of crane in traveling condition28930Mass specificationkg28800Front axle loadkg630022630Front axle loadkg630022630Base on outriggersm5.360Differension specificationDistance between outriggersm6.1Main boom lengthm10.5~33.31Main boom angle°-2~801Fly jib lengthm80Offset angle of fly jib°0 , 301ChassisIFeature No.ZLJ5314ClassI1100/1200~16001100/1200~1600ManufacturerChangsha Zoomlion Heavy Industry Science & Technology Development		Slev	wing speedr/min	0~2.2	
Min. turning circle diameterm20Min. ground clearancemm20Min. ground clearancemm220Limits for exhaust pollutants and smokeComply with related standardsOil consumption per 		Max. traveling speedkm/h		72	
Min. turning circle diameterm20Min. ground clearancemm220Limits for exhaust pollutants and smokeComply with related standardsOil consumption per hundred kilometersL46Oil consumption per hundred kilometersL46Mass specificationComplete vehicle kerb masskgSpecificationComplete vehicle kerb masskgFront axle loadkg22630Front axle loadkg22630Mass specificationOverall dimensions(L×W×H)mmBase on outriggersm5.36Distance between outriggersm6.1Main boom lengthm10.5~33.3Main boom angle°-2~80Fly jib lengthm8Offset angle of fly jib°0, 30Feature No.ZLJ5314ClassIIFeature No.ZLJ5314D3.1ManufacturerManufacturerChansha Zoomlion Heavy Industry Science & Technology Development		Ma	k. gradeability%	40	
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Limits for exhaust pollutants and smokeComply with related standardsGB17691 -2005 (Stage III)Oil consumption per hundred kilometersL46(Stage III)Oil consumption per hundred kilometersL46(Stage III)Masskg2893028930SpecificationComplete vehicle kerb masskg28800Front axle loadkg630026300Rear axle loadkg226300Manufacturer0.01 consumption13000×2500×3450Distance between outriggersm6.113000×2500×3450Main boom lengthm10.5~33.31Main boom angle°-2~801Fly jib lengthm80Offset angle of fly jib°0, 301Feature No.ZLJ5314D3.11ChassisI1100/1200~1600ManufacturerChangsha Zoomlion Heavy Industry Science & Technology Development	•				GB3847-2005
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Mass specificationkgImage: constraint of the section of th		trav	veling condition	28930	
specificationComplete vehicle kerb masskg28800Front axle loadkg6300Front axle loadkg22630Rear axle loadkg22630Overall dimensions(L×W×H)mm13000×2500×3450Base on outriggersm5.36Distance between outriggersm6.1Main boom lengthm10.5~33.3Main boom lengthm8Offset angle of fly jib°0, 30Offset angle of fly jib°0, 30Fly jib lengthm8ClassIIFeature No.ZLJ5314ClassIIRated powerkW/r/min199/2200ManufacturerChangsha Zoomlion Heavy Industry Science & Technology Development				20000	
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Manufacturer Changsha Zoomlion Heavy Industry Science & Technology Development			•	1100/1200~1600	
Science & Technology Development					
		Manufa	cturer	•	
Co., Ltd.					•••
				Co.,	Lta.




13 ZOOMLION 50T Truck Crane Model: QY50V531 5-"U"Section Telescopic Boom 2-Section Jib Mechanical Control Axle No: 4 Full Vision Driver's Cab



QY50V531 truck crane, which is developed independently to adapt to the market demands, is a new-generation and high-performance product integrating our company many years' manufacturing experience with advanced technologies. Its performances such as lifting height, boom length, working speed and lifting capacity have achieved advanced international level.

The truck crane, with spacious cab and luxurious equipments, adopts full slewing system, telescopic boom, hydraulic proportional control system and self-made full-width special purpose chassis with four axles. 8×4 drive and hydraulic power steering mechanism provides the crane with good driving performance and flexible steering.

The system with latest load feedback hydraulic operated proportional directional control valve and quadruple gear pump, and the safety devices fitted in hydraulic system, such as relief valve, balance valve, hydraulic lock and brake valve etc., prevents the oil line from overloading and the accidents caused by oil pipe breakage





to makes full use of the working capacity of each actuating mechanism. Thus the reliability and safety of the crane are increased.

The safety devices such as load moment limiter, and the complete lighting system equipped in the crane ensure your safety during operation and are convenient for night work.

This crane has a novel style which makes it beautiful in figure, in form and in color.

	Item	Value	Remarks
	Max. rated total lifting capacity kg	50000	
	Max. load moment of basic boom kN.m	1764	1470(Outrigger beam half extended)
Working performance specification	Max. load moment with max. main boom length kN.m	940.8	793.8(Outrigger beam half extended)
	Max. lifting height of basic boom m	11.6	
	Max. lifting height of main boom m	42.1	Deformation of boom is not
	Max. lifting height of fly jib m	58.3	taken into consideration
	Max. speed of single rope on main winch m/min	130	The 4 th layer of drum
Working speed	Max. speed of single rope onauxiliary winch m/min	72	The 2 nd layer of drum
	Derricking time of boom s	50	
	Telescopic time of boom s	95	
	Slewing speed r/min	0~2	
	Max. traveling speed km/h	76	
	Max. gradeability %	32	
	Min. turning circle diameter m	24	
	Min. ground clearance mm	260	
			GB3847-2005
Traveling specification	Limits for exhaust pollutants and smoke	Comply with related standards	GB17691-2005
			(StageIII)
	Oil consumption per hundred kilometers L	48	
Mass specification	Deadweight of crane in traveling condition kg	41000	





CNBM	CNBM International Corporation				
	Compl	ete vehicle kerb mass kg	40470		
	F	ront axle load kg	17200		
		Rear axle load kg	23800		
	Overal	I dimensions(L×W×H)mm			
			13300×2750×3650		
		mm			
D	В	ase on outriggers m	5.92		
Dimension	Distan	ce between outriggers m	6.90		
specification	N	lain boom length m	11.1~42.0		
	Main boom angle°		-2~80		
	Fly jib length m		9.5, 16		
	Offset angle of fly jib °		0 , 30		
		Model	ZLJ5414		
	Class		II		
		Model	WP10.336	QSL 325	
		Rated power	247/2200	242/2200	
Chassis	Engine	KW/r/min			
		Max. output torque	1250/1200~1600	1424/1500	
		N.m/r/min			
	Manufactu	urer	Changsha Zoomlion Heavy Industry Science &		
			Technology Development Co., Ltd.		





14 ZOOMLION 50T Truck Crane

Model: QY50V532 5-"U"Section Telescopic Boom 2-Section Jib Hydraulic Control Axle No: 4

Full Vision Driver's Cab



QY50V532 truck crane, which is developed independently to adapt to the market demands, is a new-generation and high-performance product integrating our company many years' manufacturing experience with advanced technologies. Its performances such as lifting height, boom length, working speed and lifting capacity have achieved advanced international level.

The truck crane, with spacious cab and luxurious equipments, adopts full slewing system, telescopic boom, hydraulic proportional control system and self-made full-width special purpose chassis with four axles. 8×4 drive and hydraulic power steering mechanism provides the crane with good driving performance and flexible steering.

The system with latest load feedback hydraulic operated proportional directional control valve and quadruple gear pump, and the safety devices fitted in hydraulic system, such as relief valve, balance valve, hydraulic lock and brake valve etc.,





prevents the oil line from overloading and the accidents caused by oil pipe breakage to makes full use of the working capacity of each actuating mechanism. Thus the reliability and safety of the crane are increased.

The safety devices such as load moment limiter, and the complete lighting system equipped in the crane ensure your safety during operation and are convenient for night work.

This crane has a novel style which makes it beautiful in figure, in form and in color.

	Item	Value	Remarks
	Max. rated total lifting capacity kg	50000	
	Max. load moment of basic boom kN.m	1764	1470(Outrigger beam half extended)
Working performance specification	Max. load moment with max. main boom length kN.m	940.8	793.8(Outrigger beam half extended)
	Max. lifting height of basic boom m	11.6	
	Max. lifting height of main boom m	42.1	Deformation of boom is not
	Max. lifting height of fly jib m	58.3	taken into consideration
	Max. speed of single rope on main winch m/min	130	The 4 th layer of drum
Working speed	Max. speed of single rope onauxiliary winch m/min	72	The 2 nd layer of drum
	Derricking time of boom s	50	
	Telescopic time of boom s	95	
	Slewing speed r/min	0~2	
	Max. traveling speed km/h	76	
	Max. gradeability %	32	
Traveling specification	Min. turning circle diameter m	24	
	Min. ground clearance mm	260	
			GB3847-2005
	Limits for exhaust pollutants and smoke	Comply with related standards	GB17691-2005
			(StageIII)
	Oil consumption per hundred	48	





		kilometers L		
	Deadweight of crane in traveling condition kg		41000	
Mass specification	Comp	lete vehicle kerb mass kg	40470	
	Front axle load kg		17200	
		Rear axle load kg	23800	
	Overall dimensions(L×W×H)mm		13300×2750×3650	
	Base on outriggers m		5.92	
Dimension	Distance between outriggers m		6.90	
specification	Main boom length m		11.1~42.0	
	Main boom angle°		-2~80	
	Fly jib length m		9.5, 16	
	Offset angle of fly jib °		0 , 30	
	Model		ZLJ5414	
	Class		II	
		Model	WP10.336	QSL 325
Chassis	Engine	Rated power KW/r/min	247/2200	242/2200
		Max. output torque N.m/r/min	1250/1200~1600	1424/1500
	Manufacturer		Changsha Zoomlion Heavy Industry Science &	
			Technology D	evelopment Co., Ltd.







14 ZOOMLION 50T Truck Crane

Model: QY50D531 5-"U"Section Telescopic Boom 2-Section Jib Hydraulic Control Axle No: 4

Semi-Mounted Driver's Cab



This type of truck crane, one of the classic products in the same trade, has earned a good reputation from the customers.

The truck crane adopts self–made special-purpose chassis with 8×4 drive. The ergonomic streamline semi-mounted driver's cab with double wing door, which has obtained a national patent, makes it convenient for rear rider to get on/off cab.

The crane adopts WEICHAI Steyr engine which is specially developed for those cranes that often travel at low speed. This kind of engine not only can produce large output torque when it starts and increase the traveling speed quickly, but also has excellent starting performance and good gradeability.

The crane is equipped with 9-speed gearbox which changes gear smoothly and is of simple structure and makes maintenance convenient.

The crane is fitted with a 42m long hexagon-section boom which is made of high-strength steel, so the boom has strong resistance to bending and torsion. The distinctively-designed circular arc sliding block (having obtained a national patent) makes the stress distributed more evenly, the load carrying capacity stronger, and the adjustment easier. The local rigidity in boom supporting point is good, which has improved the lifting capacity on boom with same thickness and achieved the goal of greater lifting capacity on lighter boom.

The boom applies an arbitrary telescopic type which can improve the stability of crane when it works with large working radius. (When boom telescopes in different





sequence, the position of boom's centre of gravity is adjusted accordingly.)

The unique manual full proportional control incorporates the advantages of traditional lever control and electric-hydraulic pilot control. It not only reserves the merits of safety & reliability of original control structure and low maintenance cost, but also realizes that the working speed of actuating mechanism is only proportional to the opening degree of control valves rather than affected by the load. Furthermore, it has improved the speed-regulation performance.

The slewing mechanism has the functions of protecting the crane automatically when the crane is overloaded, reducing the impacts, and activating hydraulic brake when the hydraulic control valve is in neutral position as well as free swing. In addition, it can automatically make boom, wire rope and lifted load slew simultaneously, and minimize the sway of boom and load while the crane starts or stops quickly, and accelerates or decelerates slewing.

The outrigger beam boasts such advantages as large outrigger span and outstanding stability. Moreover, this kind of outrigger has half-extended working mode, so the working range is extended.

The 5th outrigger is fitted with warning device (acoustic alarm), which can make operator know about the retracting state of the 5th outrigger so as to enhance safety performance of the crane.

The crane is fitted with outrigger lamps which can facilitate operation at night.

The crane is equipped with high-quality load moment limiter which has such advantages as great precision and complete information shown on the display. In this way, the safe lifting operation can be guaranteed.

	Item	Value	Remarks
	Max. rated total lifting capacity kg	55000	
	Max. load moment of basic boom	1704	1470 (Outrigger beam half
	kN.m	1764	extended)
Working performance	Max. load moment with max. main	940.8	793.8(Outrigger beam half
specification	boom length kN.m	940.8	extended)
	Max. lifting height of basic boom m	11.6	
	Max. lifting height of main boom m	42.1	Deformation of boom is not taken
	Max. lifting height of fly jib m	58.3	into consideration
Working speed	Max. speed of single rope on main	130	The 4 th layer of drum
	winch m/min	130	
	Max. speed of single rope	72	The 2 nd layer of drum





-		uxiliary winch m/min		
	Dorr	,		
Ī	Derricking time of boom s		50	
	Teles	scopic time of boom s	95	
	SI	ewing speed r/min	0~2	
	Max.	traveling speed km/h	76	
Ī	Max. gradeability %		32	
Ī	Min. turning circle diameter m		24	
Ī	Min.	ground clearance mm	260	
				GB3847-2005
Traveling specification	Limits	for exhaust pollutants and smoke	Comply with related standards	GB17691-2005
-				(Stage III)
	Oil co	onsumption per hundred	40	
		kilometers L		
	Deadweight of crane in traveling		40400	
-	condition kg			
Mass specification	Complete vehicle kerb mass kg		40200	
	Front axle load kg		14900	
	Rear axle load kg		25500	
	Overall	dimensions(L×W×H) mm	13300×2750×3550	
	Base on outriggers m		5.92	
	Distanc	e between outriggers m	full extended 6.90	
Dimension			half extended 4.70	
specification	Μ	ain boom length m	11.1~42.0	
	Main boom angle°		-2~80	
	Fly jib length m		9.5, 16	
	Offset angle of fly jib °		0 , 30	
	Model		ZLJ5401	
	Class		11	
		Model	WP10.336	
	Engine	Rated power		
Chassis		kW/r/min	247/2200	
		Max. output torque N.m/r/min	1250/1200~1600	
	Manufac	turer	Changsha Zoomlio	n Heavy Industry Science &
			Technology D	Development Co., Ltd.





14 ZOOMLION 70T Truck Crane

Model: QY70D532 5-"U"Section Telescopic Boom 2-Section Jib Hydraulic Control Axle No: 4 Full Vision Driver's Cab



The QY70V533 truck crane, which is developed independently to adapt to the market demands, is a new-generation and high-performance product integrating our company many years' manufacturing experience with advanced technologies. Its performances such as lifting height, boom length, working speed and lifting capacity have achieved advanced international level.

The truck crane, with spacious cab and luxurious equipments, adopts full slewing system, telescopic boom, electro-hydraulic proportional control system and self-made full-width special purpose chassis with four axles. 8×4 drive and hydraulic power steering mechanism provide the crane with good driving performance and flexible steering.

The system with latest load feedback electro-hydraulic operated proportional directional control valve and double pump is adopted to make full use of the working capacity of each actuating mechanism. The control type of 2 levers, which are flexible and stepless speed regulated, can carry out any of the 2 crane movements "Spool up main / auxiliary winch", "Reel off main / auxiliary winch", "Telescope boom





in / out", "Derrick", and "Slew" simultaneously. All that not only provides the crane with stable and reliable simultaneous movements but also greatly improves crane's working efficiency. The safety devices fitted in hydraulic system, such as relief valve, balance valve, hydraulic lock and brake valve etc., prevents the oil line from overloading and the accidents caused by oil pipe breakage. The control system adopts modern data bus technology and has fault self-diagnosis function. LCD can display the pressure on fault point in real time and provide the troubleshooting methods.

The safety devices such as load moment limiter, and the complete lighting system equipped in the crane ensure your safety during operation and are convenient for night work.

This crane has a novel style which makes it beautiful in figure, in form and in color.

Item		Value	Remarks
	Max. rated total lifting capacity kg	70000	
	Max. load moment of basic boom	2352	
	kN.m		
Working performance	Max. load moment with max. main	1098	
specification	boom length kN.m		
	Max. lifting height of basic boom m	12.2	
	Max. lifting height of main boom m	44.2	Deformation of boom is not
	Max. lifting height of fly jib m	60.2	taken into consideration
	Max. speed of single rope on main	120	The 4 th layer of
	winchm/min		
			drum
	Max. speed of single rope onauxiliary	68	The 2 nd layer of drum
Working speed	winchm/min		
	Derricking time of boom s	57	
	Telescopic time of boom s	107	
	Slewing speed r/min	1.6	
	Max. traveling speed km/h	75	
	Max. gradeability %	35	
	Min. turning circle diameter m	24	
Traveling specification	Min. ground clearance mm	280	
Traveling specification	Limits for exhaust pollutants and	Comply with related	GB3847-2005 GB17691
	smoke	standards	-2005(Stage II)
	Oil consumption per hundred	55	
	kilometers L		
Mass specification	Deadweight of crane in traveling	45000	
	conditionkg		





CNBM			CNBM International Corporation	
	Compl	ete vehicle kerb mass kg	44870	
		Front axle load kg	19000	
		Rear axle load kg	26000	
	Overall	dimensions(L×W×H)mm	14100×2750×3750	
	B	ase on outriggers m	6.00	
	Distan	ce between outriggers m	full extended 7.60, half	
Dimension			extended 5.04	
specification	N	lain boom length m	11.6~44.0	
	Main boom angle°		-2~80	
		Fly jib length m	9.5 , 16	
	Offset angle of fly jib°		0 , 30	
		Model	ZLJ5455	
	Class		II	
		Model	WP10.375	QSL 325
Chassis	Frains	Rated power kW/r/min	276/2200	242/2100
	Engine -	Max. output torque	1460/1460~1600	1424/1500
		N.m/r/min		
	Manufact	urer	Changsha Zoomlion Heavy Industry Science &	
			Technology Deve	elopment Co., Ltd.





China National Building Materials Group Corporation (CNBM) was established in 1984 with approval from the State Council, and then became a Central Enterprise under direct supervision of State-owned Assets Supervision and Administration Commission of the State Council in 2003.

CNBM's total assets exceeded RMB 110 billion, with more than 100,000 employees, and around 20 companies under direct management with 100% share control or majority control, among which 6 were listed companies, including 2 overseas listed.

CNBM International Corporation (CNBM International) is the most important trading platform of CNBM Group Corporation. CNBM International is highly recognized by its business partners and clients all over the world and has obtained rapid development under the spirit of win-win. Meanwhile, we have established strategic partnerships with hundreds of domestic manufacturers and sound business relations with clients from over 120 countries. Currently, we have wholly-owned overseas subsidiaries and branches in 10 countries with a view to realize localization, which also represents an essential progress in our globalization target.

CNBM International is planning to establish the largest Chinese *Spot Trade Platform for Construction Machinery* in the next three years. The strategic cooperation agreements have been signed with main Chinese construction machinery manufacturers, such as XCMG, ZOOMLION, SANY. We sincerely welcome customers around the world to visit our CNBM Head Office in Beijing or our partners location, XCMG, ZOOMLION and SANY, to discuss business cooperation with us on the basis of mutual trust, benefit and development.

Contact Information:

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