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Truck Crane List



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Truck Crane List As Below:

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






<p>5</p>	<p>XCMG 50T Truck Crane</p>	<p>Model: QY50K-1 5-“U”Section Telescopic Boom 2-Section Jib Hydraulic Control Axle No: 4 Full Vision Driver’s Cab</p>	
<p>6</p>	<p>XCMG 50T Truck Crane</p>	<p>Model: QY50K-2 5-“U”Section Telescopic Boom 2-Section Jib Hydraulic Control Axle No: 4 Full Vision Driver’s Cab</p>	
<p>7</p>	<p>XCMG 50T Truck Crane</p>	<p>Model: QY50B 5-Section U-Shaped Telescopic Boom 2-Section Jib Hydraulic Control Axle No: 4 Semi-Mounted Driver’s Cab</p>	
<p>8</p>	<p>XCMG 70T Truck Crane</p>	<p>Model: QY70K 5-“U”Section Telescopic Boom 2-Section Jib Hydraulic Control Axle No: 4 Full Vision Driver’s Cab</p>	



9	XCMG 70T Truck Crane	Model: QY70K-1 5-“U”Section Telescopic Boom 2-Section Jib Hydraulic Control Axle No: 4 Full Vision Driver’s Cab	
10	ZOOMLION 25T Truck Crane	Model: QY25V431 4-Section Telescopic Boom 1-Section Jib Mechanical Control Axle No: 3 Full Vision Driver’s Cab	
11	ZOOMLION 25T Truck Crane	Model: QY25V531 5-Section Telescopic Boom 1-Section Jib Mechanical Control Axle No: 3 Full Vision Driver’s Cab	
12	ZOOMLION 25T Truck Crane	Model: QY25E431 4-Section Telescopic Boom 1-Section Jib Mechanical Control Axle No: 3 Semi-Mounted Driver’s Cab	





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	
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	
15	ZOOMLION 50T Truck Crane	Model: QY50D531 5-“U”Section Telescopic Boom 2-Section Jib Hydraulic Control Axle No: 4 Semi-Mounted Driver’s Cab	
16	ZOOMLION 70T Truck Crane	Model: QY70D532 5-“U”Section Telescopic Boom 2-Section Jib Hydraulic Control Axle No: 4 Full Vision Driver’s Cab	



**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
Outline dimension	Overall length		mm	12360
	Overall width		mm	≤2500
	Overall height		mm	3380
	Wheel base	Axle 1, Axle 2	mm	4125
		Axle 2, Axle 3	mm	1350
Mass	Total mass in travel state		kg	26400
	Axle load	Axle 1	kg	6100
		Axle 2, Axle 3	kg	21800
Travel performance	Travel speed	Max. travel speed	km/h	72
		Min. stable travel speed	km/h	3
	Turning diameter	Min. turning diameter	m	22
		Min. turning diameter at boom tip	m	24
	Min. ground clearance		mm	260
	Approach angle		(°)	16
	Departure angle		(°)	13
	Braking distance (at 30km/h with full load)		m	10
	Max. grade-ability		%	27
	Fuel consumption for 100km		L	35
Power	Model			D6114ZLQ5B
	Engine rated output		kW/(r/min.)	158/2200
	Engine rated torque		N.m/(r/min.)	790/1400
	Engine rated speed		rpm.	2200

Main Technical Data for Lifting Operation

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



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		Fully extended boom	m	32.5	
		Fully extended boom + Jib	m	40.8	
Working speed	Boom raising time		s	75	
	Boom full extension time		s	100	
	Max. swing speed		r/min	2.5	
	Hoist speed	Main winch	Full load	m/min	≥70
			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 position		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		Unit	Parameter
Outline dimension	Overall length		mm	12000
	Overall width		mm	2500
	Overall height		mm	3380
Mass	Total mass in travel state		kg	31000
	Axle load	Front Axle	kg	6440
		Rear Axle	kg	24600
Travel performance	Travel speed	Max. travel speed	km/h	75
	Turning diameter	Min. turning diameter	m	22
	Min. ground clearance		mm	260
	Approach angle		(°)	16
	Departure angle		(°)	13
	Braking distance (at speed of 30km/h)		m	10
	Max. grade-ability		%	30
	Fuel consumption for 100km		L	37
Power	Engine rated output		kW/(r/min.)	206/2200
	Engine rated torque		N.m/(r/min.)	1112/1400
	Engine rated speed		rpm.	2200

Main Technical Data for Lifting Operation

Classificatory	Item		Unit	Parameter	
Lifting performance	Max. total rated lifting capacity		t	25	
	Min. rated working radius		m	3	
	Turning radius at turntable tail		m	3.065	
	Max. load moment	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		Unit	Parameter
Outline dimension	Overall length		mm	12000
	Overall width		mm	2500
	Overall height		mm	3380
Mass	Total mass in travel state		kg	31000
	Axle load	Front Axle	kg	6440
		Rear Axle	kg	24600
Travel performance	Travel speed	Max. travel speed	km/h	75
	Turning diameter	Min. turning diameter	m	22
	Min. ground clearance		mm	260
	Approach angle		(°)	16
	Departure angle		(°)	13
	Braking distance (at speed of 30km/h)		m	10
	Max. grade-ability		%	30
	Fuel consumption for 100km		L	37
Power	Engine rated output		kW/(r/min.)	206/2200
	Engine rated torque		N.m/(r/min.)	1112/1400
	Engine rated speed		rpm.	2200

Main Technical Data for Lifting Operation

Classificatory	Item		Unit	Parameter	
Lifting performance	Max. total rated lifting capacity		t	25	
	Min. rated working radius		m	3	
	Turning radius at turntable tail		m	3.065	
	Max. load moment	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.

**Main Technical Specifications
Technical Data for Lifting Operation**

Classificatory	Item	Unit	Parameter	
Engine	Model	D6114ZLQ5B		
Outline dimension	Overall length	mm	12380	
	Overall width	mm	≤2500	
	Overall height	mm	3500	
	Wheel base	Axle 1, Axle 2	mm	4025
		Axle 2, Axle 3	mm	1350
Mass	Total mass in travel state		kg	26400
	Axle load	Axle 1	kg	6530





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

Main Technical Data for Lifting Operation

Classificatory	Item	Unit	Parameter		
Lifting performance	Max. total rated lifting capacity		t	25	
	Min. rated working radius		m	3	
	Turning radius at turntable tail		m	≤3.56	
	Max. moment	load	Base boom	kN.m	806
			Fully extended boom	kN.m	521
			Fully extended boom + Jib	kN.m	280
	Outrigger span	Longitudinal		m	4.8
		Lateral		m	6
	Lifting height	Base boom		m	≥10.5
		Fully extended boom		m	≥31.5
Fully extended boom + Jib (jib offset 5°)		m	≥39.2		
Fully extended boom + Jib (jib offset 30°)		m	≥38		
Working speed	Boom raising time		s	≤72	
	Boom full extension time		s	≤115	
	Max. swing speed		r/min	3	
	Hoist speed (single line at 3rd layer)	Main winch	Full load	m/min	≥90
			No load	m/min	≥120
		Aux. winch	Full load	m/min	≥90
No load			m/min	≥120	
Noise limit	Crane exterior noise		dB (A)	≤120	
	At seated position		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

Classificatory	Item	Unit	Parameter	
Outline dimension	Overall length	mm	13100	
	Overall width	mm	≤2750	
	Overall height	mm	3350	
	Wheel base	Axle 1, Axle 2	mm	1520
		Axle 2, Axle 3	mm	3815
Axle 3, Axle 4		mm	1350	
Mass	Total mass in travel state	kg	38580	
	Axle load	Front axle	kg	12950
		Rear axle	kg	25630
Travel performance	Travel speed	Max. travel speed	km/h	66
		Min. stable travel speed	km/h	2.7
	Turning diameter	Min. turning diameter	m	24
		Min. turning diameter at boom tip	m	26.8
	Min. ground clearance	mm	285	
	Approach angle	(°)	16	
	Departure angle	(°)	16	
	Braking distance (at 30km/h with full load)	m	10	
	Max. grade-ability	%	27	
Fuel consumption for 100km	L	36		
Power	Model		WD615.67A	
	Engine rated output	kW/(r/min.)	206/2200	
	Engine rated torque	N.m/(r/min.)	1100/1400	
	Engine rated speed	rpm.	2200	

Main Technical Data for Lifting Operation

Classificatory	Item	Unit	Parameter	
Lifting performance	Max. total rated lifting capacity	t	50	
	Min. rated working radius	m	3	
	Turning radius at turntable tail	m	≤3.485	
	Max. moment load	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	



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	Lifting height	Lateral	m	6.6	
		Base boom	m	10.75	
		Fully extended boom	m	40	
		Fully extended boom + Jib	m	55.8	
Working speed	Boom raising time		s	88	
	Boom full extension time		s	180	
	Max. swing speed		r/min	2.0	
	Hoist speed	Main winch	Full load	m/min	≥85
			No load	m/min	≥110
		Aux. winch	Full load	m/min	≥80
No load			m/min	≥110	
Noise limit	Crane exterior noise		dB (A)	≤118	
	At seated position		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

Classificatory	Item	Unit	Parameter	
Outline dimension	Overall length	mm	13100	
	Overall width	mm	≤2750	
	Overall height	mm	3350	
	Wheel base	Axle 1, Axle 2	mm	1520
		Axle 2, Axle 3	mm	3815
Axle 3, Axle 4		mm	1350	
Mass	Total mass in travel state	kg	38580	
	Axle load	Front axle	kg	12950
		Rear axle	kg	25630
Travel performance	Travel speed	Max. travel speed	km/h	66
		Min. stable travel speed	km/h	2.7
	Turning diameter	Min. turning diameter	m	24
		Min. turning diameter at boom tip	m	26.8
	Min. ground clearance	mm	285	
	Approach angle	(°)	16	
	Departure angle	(°)	16	
	Braking distance (at 30km/h with full load)	m	10	
	Max. grade-ability	%	27	
Fuel consumption for 100km	L	36		
Power	Model		WD615.67A	
	Engine rated output	kW/(r/min.)	206/2200	
	Engine rated torque	N.m/(r/min.)	1100/1400	
	Engine rated speed	rpm.	2200	

Main Technical Data for Lifting Operation

Classificatory	Item	Unit	Parameter	
Lifting performance	Max. total rated lifting capacity	t	50	
	Min. rated working radius	m	3	
	Turning radius at turntable tail	m	≤3.485	
	Max. moment load	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	



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	Lifting height	Lateral	m	6.6	
		Base boom	m	10.75	
		Fully extended boom	m	40	
		Fully extended boom + Jib	m	55.8	
Working speed	Boom raising time		s	88	
	Boom full extension time		s	180	
	Max. swing speed		r/min	2.0	
	Hoist speed	Main winch	Full load	m/min	≥85
			No load	m/min	≥110
		Aux. winch	Full load	m/min	≥80
No load			m/min	≥110	
Noise limit	Crane exterior noise		dB (A)	≤118	
	At seated position		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	Unit	Parameter	
Outline dimension	Overall length	mm	13270	
	Overall width	mm	≤2750	
	Overall height	mm	3300	
	Wheel base	Axle 1, Axle 2	mm	1520
		Axle 2, Axle 3	mm	3815
Axle 3, Axle 4		mm	1350	
Mass	Total mass in travel state	kg	39870	
	Axle load	Front axle	kg	13935
		Rear axle	kg	25935
Travel performance	Travel speed	Max. travel speed	km/h	66
		Min. stable travel speed	km/h	3
	Turning diameter	Min. turning diameter	m	24
		Min. turning diameter at boom tip	m	25
	Min. ground clearance	mm	275	
	Approach angle	(°)	16	
	Departure angle	(°)	10	
	Braking distance (at 30km/h with full load)	m	10	
	Max. grade-ability	%	37	
	Fuel consumption for 100km	L	48	
Power	Model		WD615.67A	
	Engine rated output	kW/(r/min.)	206/2200	
	Engine rated torque	N.m/(r/min.)	1100/1400	
	Engine rated speed	rpm.	2200	

Main Technical Data for Lifting Operation

Classificatory	Item	Unit	Parameter	
Lifting performance	Max. total rated lifting capacity	t	50	
	Min. rated working 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
	Outrigger span	Longitudinal	m	5.45
Lateral		m	6.6	



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	Lifting height	Base boom		m	10.7
		Fully extended boom		m	40.1
		Fully extended boom + Jib		m	55.1
Working speed	Boom raising time			s	120
	Boom full extension time			s	180
	Max. swing speed			r/min	2.0
	Hoist speed	Main winch	Full load	m/min	≥70
			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 position			dB (A)	≤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.

Main Technical Specifications
Technical Data for Lifting Operation

Classificatory	Item	Unit	Parameter
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Outline dimension	Overall length		mm	13500	
	Overall width		mm	2800	
	Overall height		mm	3510	
	Wheel base	Axle 1, Axle 2		mm	1520
Axle 2, Axle 3		mm	3965		
Axle 3, Axle 4		mm	1350		
Mass	Total mass in travel state		kg	41000	
	Axle load	Axle 1, Axle 2		kg	15000
		Axle 3, Axle 4		kg	26000
Travel performance	Travel speed	Max. travel speed	km/h	75	
	Turning diameter	Min. turning diameter		m	24
		Min. turning diameter at boom tip		m	29.0
	Min. ground clearance		mm	270	
	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		
Power	Engine rated output		kW/(r/min.)	266/2208	
	Engine rated torque		N.m/(r/min.)	1460/1400	
	Engine rated speed		rpm.	2200	

Main Technical Data for Lifting Operation

Classificatory	Item	Unit	Parameter	
Lifting performance	Max. total rated lifting capacity		t	70
	Min. rated working radius		m	3
	Turning radius at turntable tail		m	3550
	Max. load moment	Base boom	kN.m	2303
		Fully extended boom	kN.m	1043
		Fully extended boom + Jib	kN.m	492.8
Outrigger span	Longitudinal	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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Outline dimension	Overall length		mm	13500
	Overall width		mm	2800
	Overall height		mm	3510
	Wheel base	Axle 1, Axle 2	mm	1520
Axle 2, Axle 3		mm	3965	
Axle 3, Axle 4		mm	1350	
Mass	Total mass in travel state		kg	41000
	Axle load	Axle 1, Axle 2	kg	15000
		Axle 3, Axle 4	kg	26000
Travel performance	Travel speed	Max. travel speed	km/h	75
	Turning diameter	Min. turning diameter	m	24
		Min. turning diameter at boom tip	m	29.0
	Min. ground clearance		mm	270
	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	
Power	Engine rated output		kW/(r/min.)	266/2208
	Engine rated torque		N.m/(r/min.)	1460/1400
	Engine rated speed		rpm.	2200

Main Technical Data for Lifting Operation

Classificatory	Item	Unit	Parameter	
Lifting performance	Max. total rated lifting capacity	t	70	
	Min. rated working radius	m	3	
	Turning radius at turntable tail	m	3550	
	Max. load moment	Base boom	kN.m	2303
		Fully extended boom	kN.m	1043
		Fully extended boom + Jib	kN.m	492.8
Outrigger span	Longitudinal	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.





Main Technical Specifications

	Item	Value	Remarks
Working performance	Max. rated lifting capacitykg	25000	
	Max. load moment of basic boom kN.m	980	
	Max. load moment of max. boom lengthkN.m	573	
	Max. lifting height of basic boom m	11.5	
	Max. lifting height of boom m	33.8	Deformation of the boom is not taken into consideration.
	Max. lifting height of jib m	41.6	
Working speed	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
	Boom derricking times	40	
	Boom extending times	60	
	Slewing speed r/min	0~2.2	
Traveling specifications	Max. traveling speed km/h	78	
	Max. gradeability %	37	
	Min. turning diameter m	≤22	
	Min. ground clearance mm	220	
	Limits for exhaust pollutants and smoke	Meet with related standards	GB3847-2005 GB17691-2005 (National stage III)
	Oil consumption per hundred kilometers L	45	
Weights	Deadweight in	30000	





	traveling condition				
	kg				
	Complete vehicle kerb mass kg	29870			
	Front axle load kg	6800			
Dimensions	Rear axle loadkg	23200			
	Overall dimensions (L×W×H) mm	12800×2500×3430			
	Longitudinal distance between outriggersm	5.36			
	Transversal distance between outriggers m	6.1			
	Boom length m	10.5~33.3			
	Boom angle°	-2~80			
	Jib length m	8			
Offset °	0, 30				
Chassis	Model		ZLJ5325	Code: ZLJ5325V3	
	Class		II		
	Engine	Model		WP10.270	
		Rated powerkW/r/min		199/2200	
		Max. output torqueN.m/r/min		1100/1300~1600	
	Manufacturer		Changsha Zoomlion Heavy Industry Science & Technology Development 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
Working performance	Max. rated lifting capacity kg	25000	
	Max. load moment of basic boom kN.m	980	
	Max. load moment of max. boom length kN.m	494	
	Max. lifting height of basic boom m	11.0	
	Max. lifting height of boom m	39	Deformation of the boom is not taken into consideration.
	Max. lifting height of jib m	47.0	
Working speed	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
	Boom derricking time s	40	
	Boom extending time s	80	
	Slewing speed r/min	0~2.2	
Traveling specifications	Max. traveling speed km/h	78	
	Max. gradeability %	37	
	Min. turning diameter m	≤22	
	Min. ground clearance mm	220	
	Limits for exhaust pollutants and smoke	Meet with related standards	GB3847-2005 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	





Item		Value	Remarks		
	Front axle load kg	6900			
	Rear axle load kg	24800			
Dimensions	Overall dimensions (L×W×H)mm	12700×2500×3450			
	Longitudinal distance between outriggers m	5.36			
	Transversal distance between outriggers m	6.1			
	Boom lengthm	10.4~39.2			
	Boom angle°	-2~80			
	Jib lengthm	8			
	Offset°	0 , 30			
Chassis	Model		ZLJ5325	Code:ZLJ5325V3	
	Class		II		
	Engine	Model		WP10.270	
		Rated power kW/r/min		199/2200	
		Max. output torque N.m/r/min		1100/1300 ~1600	



**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.

Main Technical Specifications

	Item	Value	Remarks
Working performance specification	Max. rated total lifting capacitykg	25000	
	Max. load moment of basic boom kN.m	980	
	Max. load moment with max. main boom lengthkN.m	573	
	Max. lifting height of basic boomm	11.5	
	Max. lifting height of main boomm	33.8	Deformation of main boom is not taken into consideration.
	Max. lifting height of fly jibm	41.6	
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	





	Telescopic time of booms	60		
	Slewing speedr/min	0~2.2		
Traveling specification	Max. traveling speedkm/h	72		
	Max. gradeability%	40		
	Min. turning circle diameterm	20		
	Min. ground clearancemm	220		
	Limits for exhaust pollutants and smoke	Comply with related standards	GB3847-2005 GB17691 -2005 (Stage III)	
	Oil consumption per hundred kilometersL	46		
	Mass specification	Deadweight of crane in traveling condition kg	28930	
Complete vehicle kerb masskg		28800		
Front axle loadkg		6300		
Rear axle loadkg		22630		
Dimension specification	Overall dimensions(L×W×H)mm	13000×2500×3450		
	Base on outriggersm	5.36		
	Distance between outriggersm	6.1		
	Main boom lengthm	10.5~33.3		
	Main boom angle°	-2~80		
	Fly jib lengthm	8		
	Offset angle of fly jib°	0 , 30		
Chassis	Model	ZLJ5314		
	Class	II		
	Feature No.	ZLJ5314D3.1		
	Engine	Model	WP10.270	
		Rated powerkW/r/min	199/2200	
		Max. output torqueN.m/r/min	1100/1200~1600	
	Manufacturer	Changsha Zoomlion Heavy Industry Science & Technology Development Co., Ltd.		



**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.

Main Technical Specifications

Item		Value	Remarks
Working performance specification	Max. rated total lifting capacity kg	50000	
	Max. load moment of basic boom kN.m	1764	1470(Outrigger beam half extended)
	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 taken into consideration
	Max. lifting height of fly jib m	58.3	
Working speed	Max. speed of single rope on main winch m/min	130	The 4 th layer of drum
	Max. speed of single rope on auxiliary 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	
Traveling specification	Max. traveling speed km/h	76	
	Max. gradeability %	32	
	Min. turning circle diameter m	24	
	Min. ground clearance mm	260	
	Limits for exhaust pollutants and smoke	Comply with related standards	GB3847-2005 GB17691-2005 (Stage III)
	Oil consumption per hundred kilometers L	48	
Mass specification	Deadweight of crane in traveling condition kg	41000	

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	Complete vehicle kerb mass kg	40470		
	Front axle load kg	17200		
	Rear axle load kg	23800		
Dimension specification	Overall dimensions(L×W×H)mm mm	13300×2750×3650		
	Base on outriggers m	5.92		
	Distance between outriggers m	6.90		
	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		
Chassis	Model	ZLJ5414		
	Class	II		
	Engine	Model	WP10.336	QSL 325
		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 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.

Main Technical Specifications

	Item	Value	Remarks
Working performance specification	Max. rated total lifting capacity kg	50000	
	Max. load moment of basic boom kN.m	1764	1470(Outrigger beam half extended)
	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 taken into consideration
	Max. lifting height of fly jib m	58.3	
Working speed	Max. speed of single rope on main winch m/min	130	The 4 th layer of drum
	Max. speed of single rope on auxiliary 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	
Traveling specification	Max. traveling speed km/h	76	
	Max. gradeability %	32	
	Min. turning circle diameter m	24	
	Min. ground clearance mm	260	
	Limits for exhaust pollutants and smoke	Comply with related standards	GB3847-2005 GB17691-2005 (Stage III)
	Oil consumption per hundred	48	



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	kilometers L			
Mass specification	Deadweight of crane in traveling condition kg		41000	
	Complete vehicle kerb mass kg		40470	
	Front axle load	kg	17200	
	Rear axle load	kg	23800	
Dimension specification	Overall dimensions(L×W×H)mm mm		13300×2750×3650	
	Base on outriggers m		5.92	
	Distance between outriggers m		6.90	
	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	
Chassis	Model		ZLJ5414	
	Class		II	
	Engine	Model	WP10.336	QSL 325
		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 Development 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.

Main Technical Specifications

Item		Value	Remarks
Working performance specification	Max. rated total lifting capacity kg	55000	
	Max. load moment of basic boom kN.m	1764	1470 (Outrigger beam half extended)
	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 taken into consideration
	Max. lifting height of fly jib m	58.3	
Working speed	Max. speed of single rope on main winch m/min	130	The 4 th layer of drum
	Max. speed of single rope	72	The 2 nd layer of drum





	onauxiliary winch m/min			
	Derricking time of boom s	50		
	Telescopic time of boom s	95		
	Slewing speed r/min	0~2		
Traveling specification	Max. traveling speed km/h	76		
	Max. gradeability %	32		
	Min. turning circle diameter m	24		
	Min. ground clearance mm	260		
	Limits for exhaust pollutants and smoke	Comply with related standards	GB3847-2005 GB17691-2005 (Stage III)	
	Oil consumption per hundred kilometers L	40		
Mass specification	Deadweight of crane in traveling condition kg	40400		
	Complete vehicle kerb mass kg	40200		
	Front axle load kg	14900		
	Rear axle load kg	25500		
Dimension specification	Overall dimensions(L×W×H) mm	13300×2750×3550		
	Base on outriggers m	5.92		
	Distance between outriggers m	full extended 6.90 half extended 4.70		
	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		
Chassis	Model	ZLJ5401		
	Class	II		
	Engine	Model	WP10.336	
		Rated power kW/r/min	247/2200	
		Max. output torque N.m/r/min	1250/1200~1600	
	Manufacturer	Changsha Zoomlion Heavy Industry Science & Technology 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.

Main Technical Specifications

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



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	Complete vehicle kerb mass kg	44870		
	Front axle load kg	19000		
	Rear axle load kg	26000		
Dimension specification	Overall dimensions(L×W×H)mm	14100×2750×3750		
	Base on outriggers m	6.00		
	Distance between outriggers m	full extended 7.60, half extended 5.04		
	Main 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		
Chassis	Model	ZLJ5455		
	Class	II		
	Engine	Model	WP10.375	QSL 325
		Rated power kW/r/min	276/2200	242/2100
		Max. output torque N.m/r/min	1460/1460~1600	1424/1500
	Manufacturer	Changsha Zoomlion Heavy Industry Science & Technology Development 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:

CNBM International Corporation

Address: 17th Floor, No.4 Building, Zhuyu Business Center, Shouti South Road, Haidian District, Beijing 100048, China.

Tel : 86-10-5797 1086

Fax : 86-10-5797 1166

Email : allanyen@icnbn.com; taylortian@icnbn.com; harryhao@icnbn.com

website: www.icnbn.com; www.cmaxmachinery.com





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