DAHAN大汉科技



DAHAN TECHNOLOGY CO., LTD

Zheshan Industrial Park, Mingshui Economic Development Zone, Zhangqiu District, Jinan City China

Telephone: +86 (531) 83278899 E- mail: info@chinatowercranes.com

www.chinatowercranes.com

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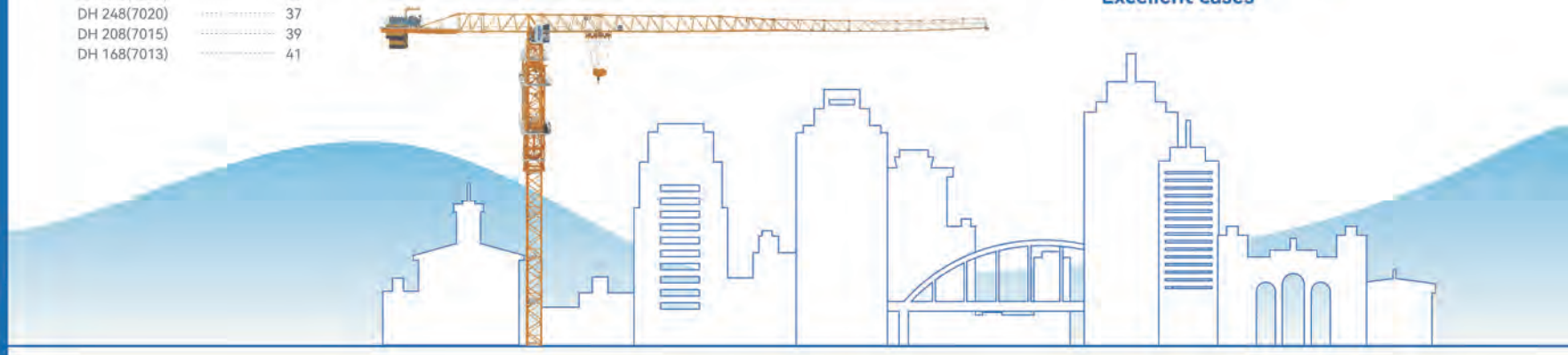
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INTRODUCTION OF DAHAN TECHNOLOGY COMPANY



Dahan Technology Co., Ltd. is a large company group specializing in the production of "tower cranes" and "construction elevators" in the Chinese construction machinery industry, with a registered capital of 103 million yuan. It integrates research and development, production, sales, services, and finance. Dahan Technology was founded in 2000,now it has over 2000 employees covering an area of over 500 acres. It has eight major sales companies and major customer business unit, elevator business unit, customer service departments one, customer service departments two, a financing leasing company, and an import and export trade company. It is national standard revision unit in the tower crane industry, provincial-level enterprise technology center, famous brand product in Shandong Province, well-known trademark in China, and high-tech enterprise. We have achieved sales of over 10000 tower cranes and elevators, maintaining the top three in the industry in terms of enterprise scale, sales volume, and market share. We are a leading brand in the Chinese tower crane and elevator industry.

Dahan Technology invests heavily in building a "Internet and intelligent factory" with "intelligent production, lean production, high-end manufacturing, and green environmental protection". By relying on domestic high-precision intelligent laser cutting machines, flexible robot welding assembly lines, CNC processing centers, and automated electrophoretic painting assembly lines, we ensure full coverage of the four major processes of products from raw material cutting, to automated welding, post welding processing, and electrophoretic painting, ensuring the comprehensive upgrading of product components with high precision and product quality. The DH series tower cranes, luffing jib tower cranes, and construction elevators such as smart elevators, material elevators, shaft elevators, traction elevators, inclined elevators, and winding elevators, which are launched with craftsmanship and professionalism, are highly welcomed by both new and old customers.

Dahan Technology innovates and upgrades its marketing model, financial services, and after-sales services while producing excellent products, forming a new sales system situation that radiates across the country. Each region is equipped with credit managers and after-sales service managers to provide customers with the most valuable products and services.

At the same time, Dahan Technology actively responds to the "the Belt and Road" initiative, practiced international strategy, expands the international market, establishes a win-win cooperation mechanism with dealers in more than 50 countries and regions around the world, provids intelligent, digital, green and cost-effective construction machinery products and system solutions for construction projects in these countries and regions, and has grown into a leadingenterprise in the industry with a global strategic layout.

Taking the path of sustainable and high-quality development, promoting the process of Dahan Technology from high cost-effective to high-quality and cost-effective, then to high-end international brands, and realizing the great dream of becoming a leading benchmark enterprise in industry development is Dahan Technology's continuous pursuit!

RAW MATERIAL AND COMPONENTS

HIGH QUALITY

Raw material is the foundation of product and the first hurdle to guarantee quality.Dahan tower crane bulk purchase steel directly from big steel factories like Baosteel and Wisco, improve the safety of product.

FIRST-CLASS COMPONENTS

First-class product composed by first-class components!

ELECTRICAL MECHANISM

Select and use France Schneider contactor、 broken phase and phase sequence protection and complete protection for motor overload, this can guarantee electrical mechanism run normally and safely.

HOISTING MECHANISM

Brake wheel adopts cast steel materials 、surface quenching and external circular,control the beating degree strictly.At the same time,also carrying on balance tests.Each hoisting mechanism is carrying on no-load,static load,dynamic load and so on guarantee the reliablity, safety and durableness.

TROLLEYING MECHANISM

Trolleying mechanism with free maintenance planetary reduce and cone brake motor, is well-knit in structure ,stable and powerful in trolley、 high endurance and low failure rate.

SLEWING MECHANISM

Slewing motor adopts winding motor and hydraulic transmission.Slewing is stable and powerful.

OPERATION DEVICE

Cabin with humanized design,is convenient and comfortable,facilitate for safe driving.

EQUIPMENT AND TECHNOLOGY

FIRST-CLASS EQUIPMENT

Dahan company research independently and introduces a series of hig-tech manufacturing equipment,connect with international dearee.

ROBOT AUTOMATIC WELDING SYSYTEM

Dahan company is the first company to adopt mast sections and main chord robot welding system in the same industry in China.This system is reliable in the performance ,with high work efficiency and high automatic degree.The welding quality of main load structure has reach advanced international degree in the same industry.

Turntable adopts robot automatic welding ,make perfection more perfect and quarantee the quality of every product;Mast section of construction elevator adopt tooling positioning and robot welding .It is not only quarantee the interchangeability of mast section and precision of rack positioning ,but as well make the welding more reliable and durable.

AUTOMATIC IMPELLER BLASTING AND SPRAYING ASSEMBLY LINE

Dahan company adopt the world first-class automatic spraying assembly line.The large structure parts are dealt with impeller blasting before spraying .That remove steel surface oxides and welding spatters effectively,eliminates the internal stress producing in welding process,increases the parts' anti-figure strength and steel surface hardness,increases painting adhesion and prolong s the service life of the product .Maximizes efficiency and saves energy.



High Standard Production Management Workshop



Intelligent Production Line

HIGH POWER LASER CUTTING MACHINE

The plate uses high-power laser cutting method, with high cutting precision, narrow slit, smooth cutting surface, and the roughness of the cut surface is generally controlled within Ra6.3. The cutting speed is fast and the production efficiency is high,which provides guarantee for automatic welding in the later stage. Fiber laser cutting and blanking, high cutting accuracy, narrow slit, smooth cutting surface each connection hole and external dimensions of the workpiece are clamped and cut at one time. The laser processing has good flexibility, and can cut pipes and other profiles.

PRECISION MACHINE TOOLS

The crucial parts between the plugs of tower heads, jibs and the machine holes adopt broaching machine process-ing,improving the hole precision.

DOUBLE-FACED MILLING MACHINES PROCESS THE END SURFACES

Every four masts are grouped and processed together on both end surface, so that flatness of each mast section is guaranteed.


Blanking Process


Welding Technology


Post welding Processing Technology


Painting Process

TOP GRADE CRAFT

With the first-class equipment of DAHAN technology as the foundation, form the first-class production process.

WELDING TECHNOLOGY

Quality robot welding technology can enhance the safety effectively: 60% welding process is finished by robot welding system, system self-adjustment angle degree, high welding accuracy,leveling and smooth welding,self-adjustment current, high welding, permeability, don't disturb as emotion, working constant.

MACHINING TECHNOLOGY

Machining technologyimproves the safety:In main segments of mast sections and connecting covers, the surfaces are processed afterwelding and increase interface of tower to make the tower body more stable.Connecting type of jib head adopts overall forgings+milling machine+pull holes+galvanized pin craft,intensity and completeness considerablyincreased,mast section connecting plate,stride adopts planer 45 degrees chamfering craft, strength of welding vastly improved.

STRICT QUALITY EXAMINATION

Raw material test,test of welding,checking welding quality of appearance, assembly and adjustment of jib,tower head and pivot in factory.

SAFTY PROTECTION

Safety protection devices are complete,improving the safety,Weight limiters introduce the advanced pull-ring structure from abroad,Moments of force adopt bow-board mechanical type,and can adapt to severe wild environment. Those make sure tower crane limiter sensitive and reliable, and avoid accidents of nonstandard use.



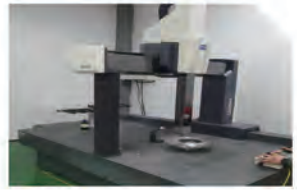




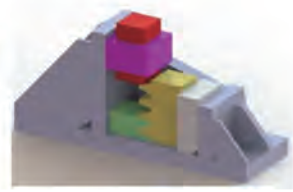








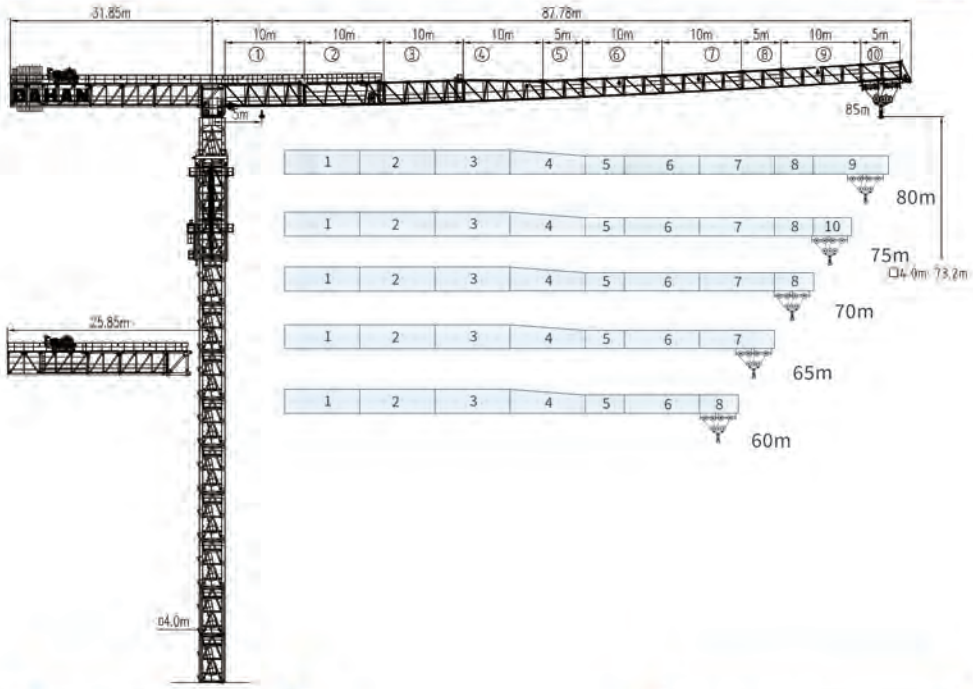




DH3280
85298

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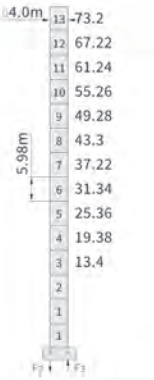
Outline Dimensions



Load Diagrams 160t

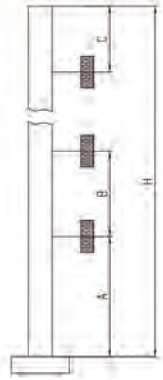
R	Fall	RC	C	25	30	35	40	45	48	50	55	60	65	70	75	80	85
85m	4	18.3	160.0	112.9	91.7	76.8	65.1	56.2	51.7	49.1	43.3	38.4	34.4	30.8	27.8	25.2	22.8
	2	36.2	80.0	80.0	80.0	80.0	71.6	62.7	58.2	55.6	49.8	44.9	40.9	37.3	34.3	30.7	29.3
	1	66.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	37.8	34.8	31.2	29.8
80m	4	20.0	160.0	125.0	101.7	85.1	72.6	62.9	57.9	55.0	48.7	43.4	38.9	35.1	31.8	28.8	
	2	39.6	80.0	80.0	80.0	80.0	79.1	69.4	64.4	61.5	55.2	49.9	45.4	41.6	38.3	35.3	
	1	70.1	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	38.8	35.8	
75m	4	20.0	160.0	125.0	101.7	85.1	72.6	62.9	57.9	55.0	48.7	43.4	38.9	35.1	31.8		
	2	39.6	80.0	80.0	80.0	80.0	79.1	69.4	64.4	61.5	55.2	49.9	45.4	41.6	38.3		
	1	70.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	38.8		
70m	4	20.6	160.0	129.2	105.2	88.1	75.3	65.2	60.2	57.2	50.7	45.3	40.6	38.2			
	2	40.7	80.0	32.0	32.0	32.0	32.0	71.7	66.7	63.7	57.2	51.7	47.1	44.7			
	1	70	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0			
65m	4	20.8	160.0	130.6	106.3	89.1	76.2	66.1	61.0	57.9	51.4	45.9	41.2				
	2	41.4	80.0	80.0	80.0	80.0	80.0	72.6	67.5	64.5	57.9	52.4	47.7				
	1	65.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0				
60m	4	21.3	160.0	134.5	109.5	91.8	78.4	68.0	62.8	59.8	53.0	47.3					
	2	42.2	80.0	80.0	80.0	80.0	80.0	74.5	69.3	66.3	59.5	53.8					
	1	60.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0					

Masts



	●	■
F2	861t	554t
F3	525t	298t
	412t	

Anchorages



Mast	A	B	C	H
4.0m	73.0m	63.0m	51.1m	170.0m

Mechanisms 160t

Name		m/min	t	m/min	t	m/min	t	m	Motor power kw
Hoisting	160LVF200	0-20	40.0	0-10	80.0	0-5	160.0	1200	160
Trolleying	55JXF75	0-40m/min							55
Slewing	RVF15	0-0.3rpm							15x4
Power	380v(±10%)/50Hz	275kw							

Counter weight

			PHZ18200	PHZ8000	PHZ5000
85m	31.85m	104000KG	5	1	1
80m	31.85m	99000KG	5	1	/
75m	31.85m	99000KG	5	1	/
70m	31.85m	91000KG	5	/	/
65m	31.85m	91000KG	5	/	/
60m	25.85m	117200KG	6	1	/

● In service Reaction ■ Out of service Reaction

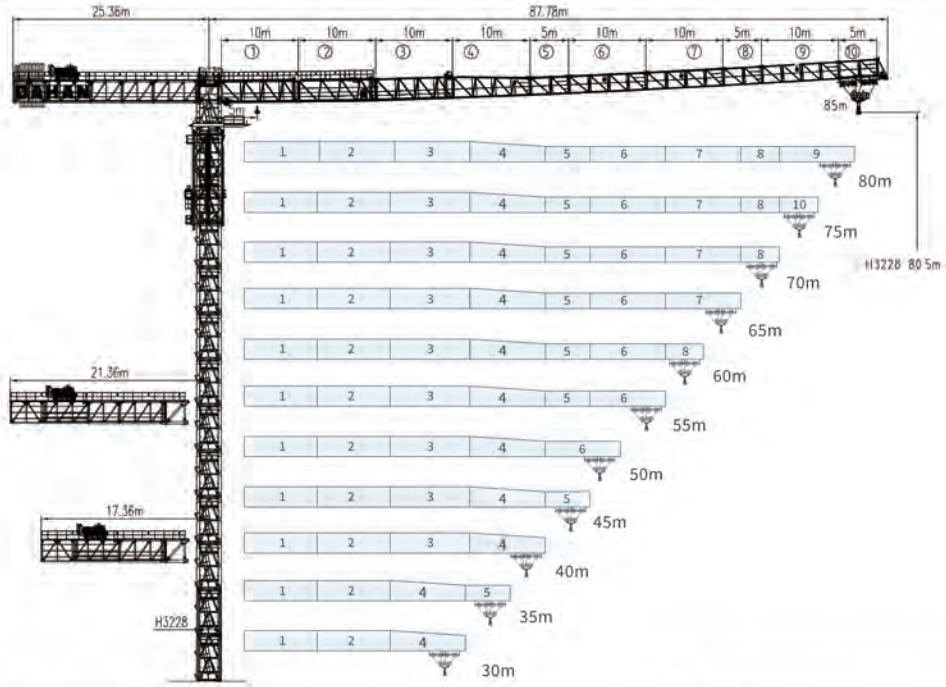
Total weight of free standing crane(exlude (ounter weight & ballast)

Number of tie collors=(H-A-C)/B+1

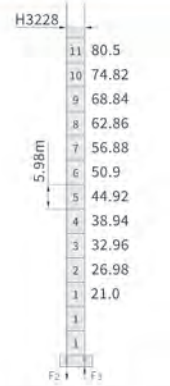
DH1400
85120

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Outline Dimensions



Masts

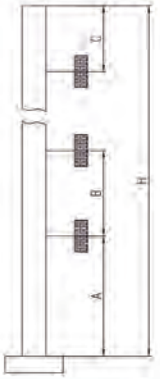


	●	■
F2	328t	416t
F3	226t	328t
	352t	

● in service Reaction ■ Out of service Reaction

Total weight of free standing crane(exlude (ounter weight & ballast)

Anchorages



Mast	A	B	C	H
H3228	66.0m	54m	66.0m	200.4m

Number of tie collors=(H-A-C)/B+1

Load Diagrams 64t

R	Fall	RC	C	25	30	35	40	45	50	55	60	65	70	75	80	85
85m		20.0	64.0	49.7	40.1	33.3	28.2	24.2	21.0	18.4	16.2	14.4	12.8	11.5	10.3	9.20
		38.9	32.0	13.71	32.0	32.0	31.0	27.0	23.8	21.2	19.0	17.2	15.6	14.3	13.1	12.0
80m		22.0	64.0	55.4	45.0	37.5	31.9	27.5	24.0	21.1	18.8	16.7	15.0	13.5	12.2	
		42.9	32.0	32.0	32.0	32.0	32.0	30.3	26.8	23.9	21.6	19.5	17.8	16.3	15.0	
75m		22.0	64.0	55.5	45.1	37.6	32.0	27.7	24.2	21.4	19.0	17.0	15.3	13.8		
		43.1	32.0	32.0	32.0	32.0	32.0	30.5	27.0	24.2	21.8	19.8	18.1	16.6		
70m		22.0	64.0	55.5	45.0	37.6	32.0	27.6	24.2	21.3	18.9	16.9	15.2			
		43.0	32.0	32.0	32.0	32.0	32.0	30.4	26.9	24.1	21.7	19.7	18.0			
65m		22.0	64.0	55.4	44.9	37.4	31.8	27.5	24.0	21.1	18.7	16.7				
		43.0	32.0	32.0	32.0	32.0	32.0	30.2	26.7	23.9	21.5	19.5				
60m		22.0	64.0	55.4	44.9	37.4	31.8	27.5	23.9	21.1	18.7					
		43.0	32.0	32.0	32.0	32.0	32.0	30.2	26.7	23.9	21.5					
55m		23.0	64.0	58.3	47.2	39.4	33.5	28.9	25.2	22.2						
		44.6	32.0	32.0	32.0	32.0	32.0	31.7	28.0	25.0						
50m		23.0	64.0	58.2	47.2	39.2	33.3	28.7	25.0							
		44.4	32.0	32.0	32.0	32.0	32.0	31.5	27.8							
45m		22.0	64.0	55.5	45.0	37.5	31.9	27.5								
		42.9	32.0	32.0	32.0	32.0	32.0	30.3								
40m		22.0	64.0	55.5	45.0	37.6	32.0									
		40.0	32.0	32.0	32.0	32.0	32.0									
35m		22.0	64.0	55.4	45.0	37.4										
		35.0	32.0	32.0	32.0	32.0										
30m		22.0	64.0	55.4	44.9											
		30.0	32.0	32.0	32.0											

Mechanisms 64t

Name							Motor power
			m/min	t	m/min	t	m	kw
Hoisting	64t	170LVF160	0-96	12.0	0-24	64.0	1107	170
Trolleying	18JXF33		0-51m/min					18.5
Slewing	RVF15		0-0.7rpm					15x3
Power	380v(±10%)/50Hz		233.5kw					

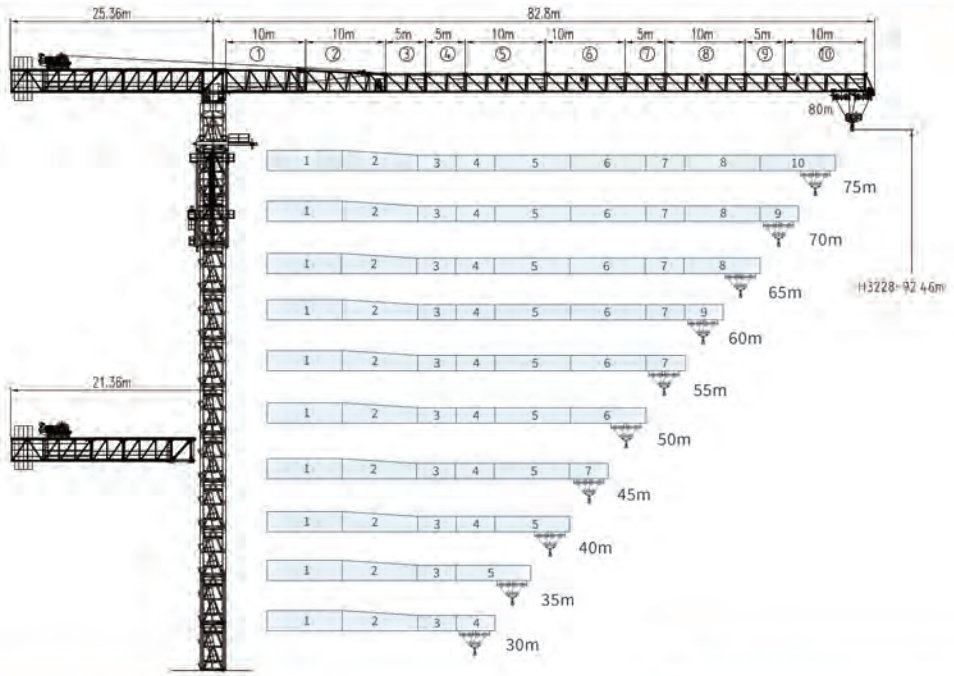
Counter weight

			PHZ12700	PHZ6000	PHZ4000
85m	25.36m	86200KG	6	1	1
80m	25.36m	86200KG	6	1	1
75m	25.36m	82200KG	6	1	/
70m	25.36m	80200KG	6	/	1
65m	25.36m	76200KG	6	/	/
60m	25.36m	69500KG	5	1	/
55m	25.36m	69500KG	5	1	/
50m	21.36m	82200KG	6	1	/
45m	21.36m	76200KG	6	/	/
40m	21.36m	69500KG	5	1	/
35m	17.36m	82200KG	6	1	/
30m	17.36m	76200KG	6	/	/

DH1100
80115

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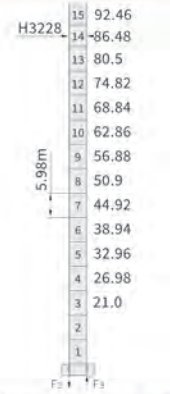
Outline Dimensions



Load Diagrams 50t

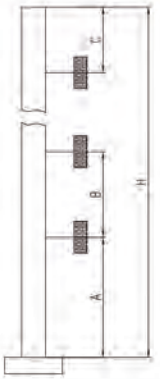
R	Fall	RC	C	25	30	35	40	45	50	55	60	65	70	75	80
80m	4	20.0	50.0	39.2	32.0	26.9	23.0	20.0	17.6	15.7	14.0	12.6	11.4	10.4	9.50
	2	40.0	25.0	25.0	25.0	25.0	25.0	22.0	19.6	17.7	16.0	14.6	13.4	12.4	11.50
75m	4	20.5	50.0	40.2	32.8	27.5	23.5	20.4	17.9	15.9	14.2	12.8	11.6	10.5	
	2	40.7	25.0	25.0	25.0	25.0	25.0	22.4	19.9	17.9	16.2	14.8	13.6	12.5	
70m	4	21.0	50.0	41.3	33.7	28.3	24.2	21.1	18.5	16.4	14.7	13.3	12.0		
	2	41.8	25.0	25.0	25.0	25.0	25.0	23.1	20.5	18.4	16.7	15.3	14.0		
65m	4	21.5	50.0	42.4	34.5	29.0	24.8	21.5	18.9	16.8	15.0	13.5			
	2	42.6	25.0	25.0	25.0	25.0	25.0	23.5	20.9	18.8	17.0	15.5			
60m	4	21.5	50.0	42.4	34.5	29.0	24.8	21.5	18.9	16.8	15.0				
	2	42.6	25.0	25.0	25.0	25.0	25.0	23.5	20.9	18.8	17.0				
55m	4	23.0	50.0	45.6	31.2	31.1	26.6	23.1	20.3	18.0					
	2	45.2	25.0	25.0	25.0	25.0	25.0	25.0	22.3	20.0					
50m	4	23.0	50.0	45.6	37.3	31.3	26.8	23.3	20.5						
	2	45.5	25.0	25.0	25.0	25.0	25.0	25.0	22.5						
45m	4	23.0	50.0	45.7	37.4	31.4	27.0	23.5							
	2	45.0	25.0	25.0	25.0	25.0	25.0	25.0							
40m	4	23.0	50.0	45.7	37.4	31.4	27.0								
	2	40.0	25.0	25.0	25.0	25.0	25.0								
35m	4	23.0	50.0	45.7	37.4	31.5									
	2	35.0	25.0	25.0	25.0	25.0									
30m	4	23.0	50.0	45.5	37.0										
	2	30.0	25.0	25.0	25.0										

Masts



	●	■
F2	510t	567t
F3	266t	348t
	368t	

Anchorages



Mast	A	B	C	H
H3228	78.0m	66m	78.0m	200.4m

● In service Reaction ■ Out of service Reaction

Total weight of free standing crane(exlude (ounter weight & ballast)

Number of tie collors=(H-A-C)/B+1

Mechanisms 50t

Name						Motor power
		m/min	t	m/min	t	m	kw
Hoisting	160LVF125	0-130	5.0	0-16	50	900	160
Trolleying	18JXF25	0-32m/min					18.5
Slewing	RVF15	0-0.7rpm					15x2
Power	380v(±10%)/50Hz	187.5kw					

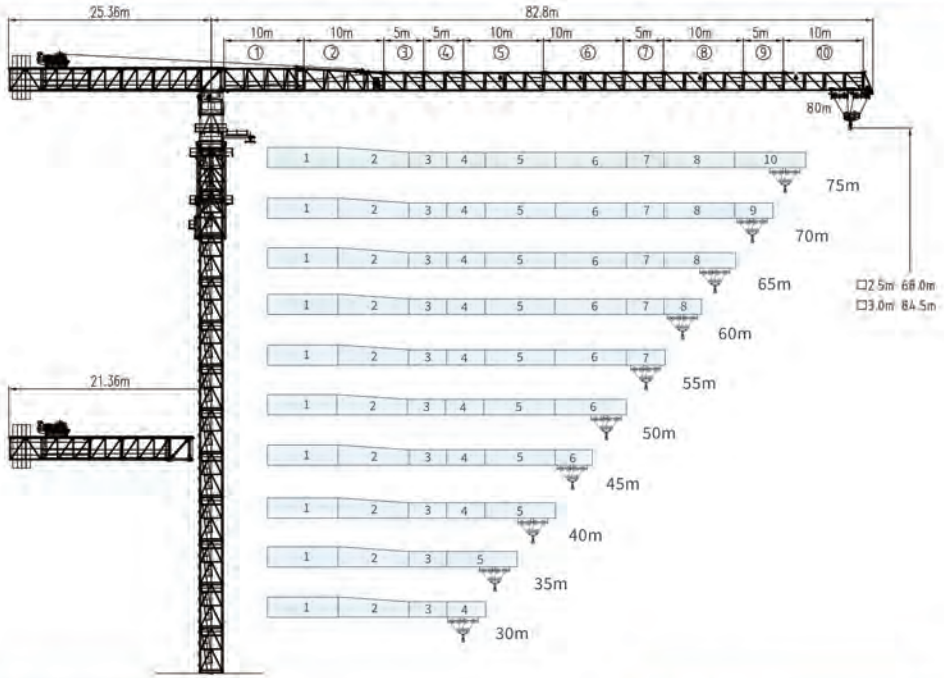
Counter weight

			PHZ12700	PHZ4500	PHZ2000
80m	25.36m	70000KG	5	1	1
75m	25.36m	70000KG	5	1	1
70m	25.36m	68000KG	5	1	/
65m	25.36m	65500KG	5	/	1
60m	25.36m	65500KG	5	/	1
55m	25.36m	63500KG	5	/	/
50m	25.36m	63500KG	5	/	/
45m	21.36m	70000KG	5	1	1
40m	21.36m	65500KG	5	/	1
35m	21.36m	63500KG	5	/	/
30m	21.36m	63500KG	5	/	/

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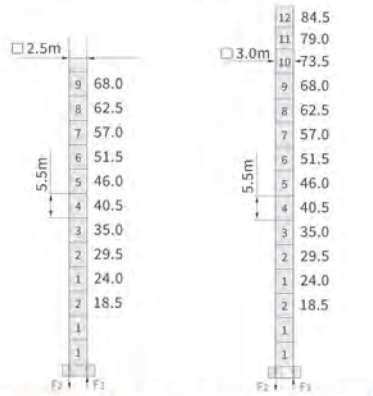
Outline Dimensions



Load Diagrams 40t

R	Fall	RC	C	25	30	35	40	45	50	55	60	65	70	75	80
80m	4	17.0	40.0	26.1	19.6	17.7	15.0	13.0	11.3	10.0	8.9	7.9	7.1	6.4	5.8
	2	34.0	20.0	20.0	20.0	19.4	16.7	14.7	13.0	11.7	10.6	9.6	8.8	8.1	7.5
75m	4	19.0	40.0	29.5	23.9	20.0	17.0	14.7	12.9	11.3	10.0	9.0	8.1	7.30	
	2	37.7	20.0	20.0	20.0	19.8	18.7	16.4	14.6	13.0	11.8	10.8	9.8	9.0	
70m	4	20.0	40.0	31.1	25.2	21.0	17.8	15.3	13.4	11.8	10.4	9.3	8.30		
	2	39.1	20.0	20.0	20.0	20.0	19.5	17.0	15.1	13.5	12.1	11.0	10.0		
65m	4	21.0	40.0	33.0	26.8	22.5	19.2	16.6	14.6	12.9	11.5	10.3			
	2	41.6	20.0	20.0	20.0	20.0	20.0	18.3	16.3	14.6	13.2	12.0			
60m	4	22.5	40.0	35.5	28.9	24.2	20.6	17.8	15.6	13.8	12.3				
	2	44.1	20.0	20.0	20.0	20.0	20.0	19.5	17.3	15.5	14.0				
55m	4	23.0	40.0	37.3	30.3	25.2	21.5	18.6	16.2	14.3					
	2	45.5	20.0	20.0	20.0	20.0	20.0	20.0	17.9	16.0					
50m	4	23.7	40.0	37.6	30.5	25.4	21.6	17.2	16.3						
	2	45.7	20.0	20.0	20.0	20.0	20.0	18.9	18.0						
45m	4	23.5	40.0	37.2	30.1	25.1	21.3	18.3							
	2	45.0	20.0	20.0	20.0	20.0	20.0	20.0							
40m	4	23.5	40.0	37.4	30.7	25.9	22.3								
	2	40.0	20.0	20.0	20.0	20.0	20.0								
35m	4	23.5	40.0	37.0	29.6	24.3									
	2	35.0	20.0	20.0	20.0	20.0									
30m	4	23.5	40.0	37.0	29.3										
	2	30.0	20.0	20.0	20.0										

Masts



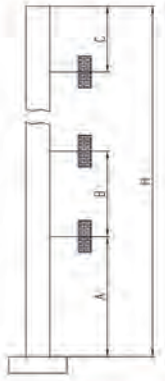
	●	■
F2	403t	267t
F3	273t	157t
	176t	

	●	■
F2	414t	391t
F3	268t	265t
	207t	

● in service Reaction ■ Out of service Reaction

Total weight of free standing crane(exlude (ounter weight & ballast)

Anchorages



Mast	A	B	C	H
□2.5	51.8m	34.0m	44.8m	350m
□3.0	68.2m	40.0m	50.5m	350m

Number of tie collors=(H-A-C)/B+1

Mechanisms 40t

Name			m/min	t	m/min	t	m	Motor power kw
Hoisting	40t	139LVF100	0-130	5.0	0-16	40	813	139
Trolleying	18JXF25		0-32m/min					18.5
Slewing	RVF15		0-0.7rpm					15x2
Power	380v(±10%)/50Hz		187.5kw					

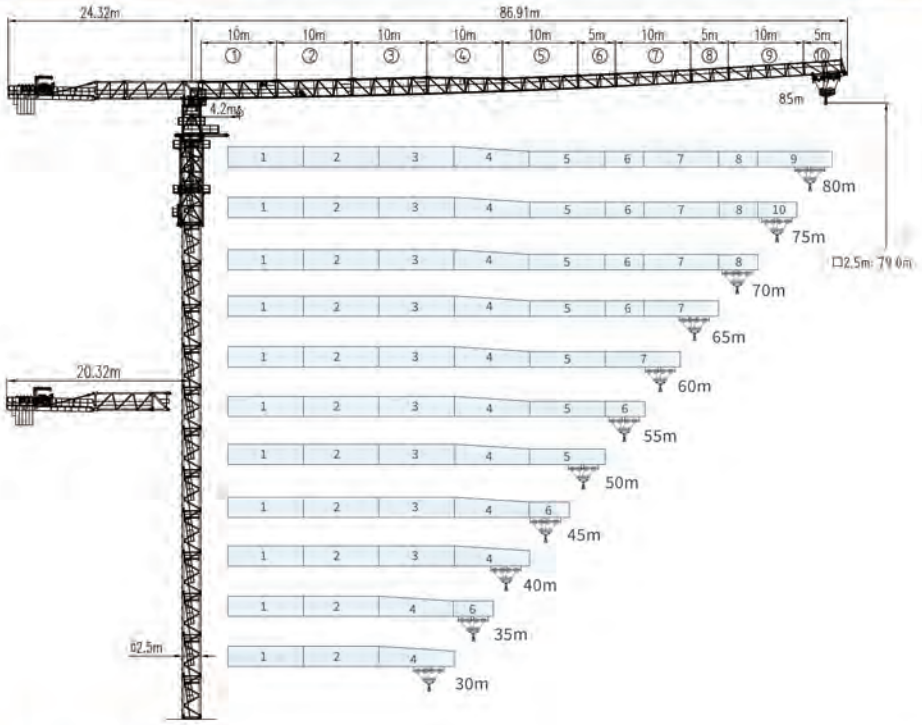
Counter weight

			PHZ7500	PHZ4500	PHZ2000
80m	25.36m	44000KG	5	1	1
75m	25.36m	44000KG	5	1	1
70m	25.36m	42000KG	5	1	/
65m	25.36m	39500KG	5	/	1
60m	25.36m	39500KG	5	/	1
55m	25.36m	37500KG	5	/	/
50m	25.36m	34500KG	4	1	/
45m	21.36m	44000KG	5	1	1
40m	21.36m	39500KG	5	/	1
35m	21.36m	34500KG	4	1	/
30m	21.36m	30000KG	4	/	/

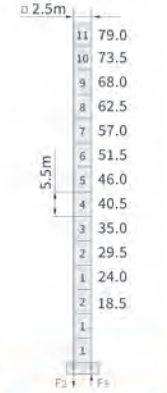
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Outline Dimensions

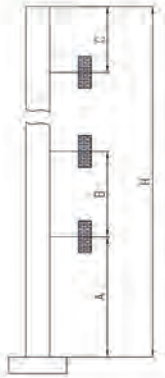


Masts



	●	■
F2	328t	416t
F3	226t	328t
	147.3t	

Anchorages



Mast	A	B	C	H
□2.5	64.7m	41.8m	54.4m	348.5m

● In service Reaction ■ Out of service Reaction

Total weight of free standing crane(exlude (ounter weight & ballast)

Number of tie collors=(H-A-C)/B+1

Load Diagrams 32t

R	Fall	RC	C	20	25	30	35	40	45	50	55	60	65	70	75	80	85
85m		11.0	32.0	16.18	12.32	9.74	7.90	6.52	5.44	4.58	3.88	3.30	2.80	2.37	2.01	1.68	1.40
		21.8	16.0	16.0	13.71	11.14	9.30	7.92	6.84	5.98	5.28	4.70	4.20	3.77	3.41	3.08	2.80
80m		13.0	32.0	19.71	15.15	12.11	9.93	8.30	7.04	6.02	5.19	4.50	3.92	3.41	2.98	2.60	
		25.8	16.0	16.0	16.0	13.51	11.33	9.70	8.44	7.41	6.59	5.90	5.32	4.81	4.38	4.00	
75m		14.0	32.0	21.18	16.36	13.14	10.85	9.12	7.79	6.71	5.84	5.11	4.49	3.96	3.50		
		27.5	16.0	16.0	16.0	14.54	12.25	10.52	9.19	8.11	7.24	6.51	5.89	5.36	4.90		
70m		15.0	32.0	23.31	18.10	14.63	12.15	10.28	8.84	7.68	6.73	5.94	5.27	4.70			
		30.0	16.0	16.0	16.0	16.0	13.55	11.68	10.24	9.08	8.13	7.34	6.67	6.10			
65m		15.8	32.0	24.73	19.62	15.61	13.01	11.06	9.54	8.32	7.33	6.50	5.80				
		31.8	16.0	16.0	16.0	16.0	14.41	12.46	10.96	9.72	8.73	7.90	7.20				
60m		18.0	32.0	28.52	22.24	18.06	15.07	12.83	11.09	9.69	8.55	7.60					
		36.0	16.0	16.0	16.0	16.0	16.0	14.23	12.49	11.09	9.95	9.00					
55m		18.7	32.0	29.71	23.17	18.81	15.69	13.36	11.54	10.09	8.90						
		37.2	16.0	16.0	16.0	16.0	16.0	14.76	12.94	11.49	10.30						
50m		20.0	32.0	32.0	24.93	20.22	16.86	14.33	12.37	10.80							
		39.4	16.0	16.0	16.0	16.0	16.0	15.73	13.77	12.2							
45m		21.0	32.0	32.0	26.42	21.54	18.05	15.43	13.40								
		42.0	16.0	16.0	16.0	16.0	16.0	16.0	14.8								
40m		21.0	32.0	32.0	26.48	21.64	18.19	15.60									
		40.0	16.0	16.0	16.0	16.0	16.0	16.0									
35m		21.5	32.0	32.0	27.05	21.64	18.40										
		35.0	16.0	16.0	16.0	16.0	16.0										
30m		21.5	32.0	32.0	27.05	22.01											
		30.0	16.0	16.0	16.0	16.0											

Load Diagrams 25t

R	Fall	RC	C	25	30	35	40	45	50	55	60	65	70	75	80	85
85m	4	14.1	25.0	12.92	10.32	8.46	7.07	5.98	5.12	4.41	3.81	3.31	2.88	2.51	2.19	1.90
	2	27.3	12.5	12.5	11.42	9.56	8.17	7.08	6.22	5.51	4.91	4.41	3.98	3.61	3.29	3.00
80m	4	16.5	25.0	15.61	12.58	10.41	8.79	7.52	6.51	5.68	5.0	4.41	3.91	3.48	3.10	
	2	32.5	12.5	12.5	12.5	11.51	9.89	8.62	7.61	6.78	6.10	5.51	5.01	4.58	4.20	
75m	4	17.6	25.0	16.87	13.65	11.35	9.63	8.29	7.22	6.34	5.61	4.99	4.46	4.0		
	2	34.9	12.5	12.5	12.5	12.45	10.73	9.39	8.32	7.44	6.71	6.09	5.56	5.10		
70m	4	19.0	25.0	18.48	15.04	12.58	10.73	9.30	8.15	7.21	6.43	5.77	5.20			
	2	38.0	12.5	12.5	12.5	12.5	11.83	10.4	9.25	8.31	7.53	6.87	6.30			
65m	4	20.5	25.0	20.08	16.35	13.68	11.68	10.13	8.88	7.87	7.02	6.30				
	2	40.8	12.5	12.5	12.5	12.5	12.5	11.23	9.98	8.97	8.12	7.40				
60m	4	23.2	25.0	23.01	18.75	15.71	13.43	11.65	10.23	9.07	8.10					
	2	45.8	12.5	12.5	12.5	12.5	12.5	12.5	11.33	10.17	9.20					
55m	4	24.0	25.0	23.89	19.46	16.30	13.93	12.08	10.61	9.40						
	2	47.2	12.5	12.5	12.5	12.5	12.5	12.5	11.71	10.5						
50m	4	25.3	25.0	25.0	20.65	17.31	14.81	12.86	11.3							
	2	49.6	12.5	12.5	12.5	12.5	12.5	12.5	12.4							
45m	4	26.5	25.0	25.0	21.76	18.26	15.64	13.6								
	2	45.0	12.5	12.5	12.5	12.5	12.5	12.5								
40m	4	27.1	25.0	25.0	22.24	18.56	15.8									
	2	40.0	12.5	12.5	12.5	12.5	12.5									
35m	4	27.2	25.0	25.0	22.31	18.60										
	2	35.0	12.5	12.5	12.5	12.5										
30m	4	27.2	25.0	25.0	22.30											
	2	30.0	12.5	12.5	12.5											

Counter weight

			PHZ5700	PHZ4500	PHZ2000
85m	24.32m	30500KG	5	/	1
80m	24.32m	30500KG	5	/	1
75m	24.32m	29300KG	4	1	1
70m	24.32m	29300KG	4	1	1
65m	24.32m	29300KG	4	1	1
60m	24.32m	29300KG	4	1	1
55m	24.32m	28500KG	5	/	/
50m	20.32m	36200KG	6	/	1
45m	20.32m	34200KG	6	/	/
40m	20.32m	33000KG	5	1	/
35m	20.32m	28500KG	5	/	/
30m	20.32m	27300KG	4	1	/

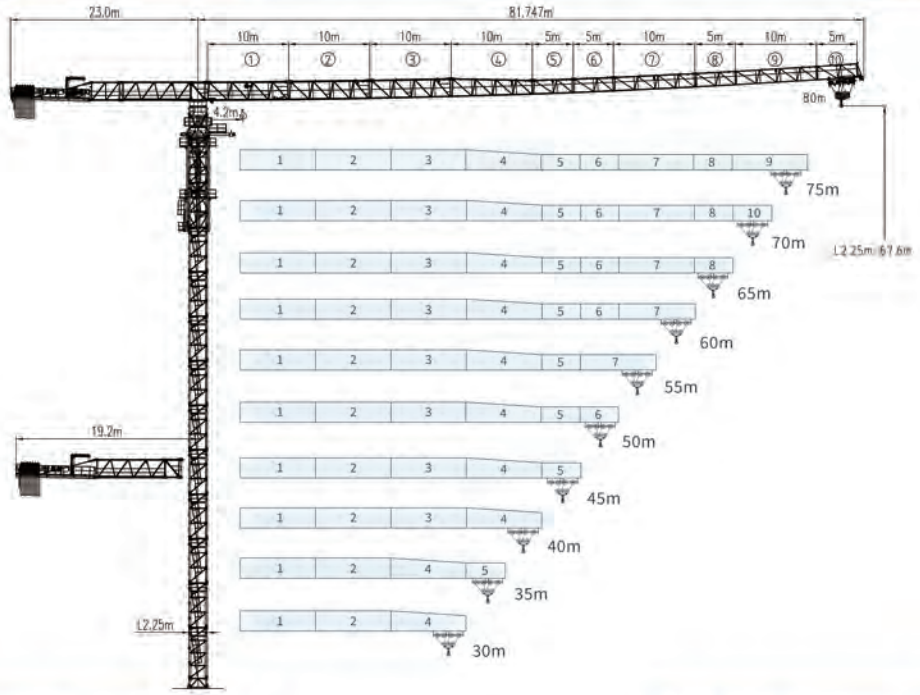
Mechanisms 25/32t

Name							Motor power
			m/min	t	m/min	t	m	kw
Hoisting	25t	90JLF65	0-100	1.9	0-17	25.0	813	90
	32t	110LVF80BX	0-96	3.0	0-16	32.0	830	110
Trolleying	11JXF16		0-43m/min					11
Slewing	RVF7.5		0-0.7rpm					7.5X4
Power	380v(±10%)/50Hz		90JLF65:131kw / 110LVF80BX:151KW					

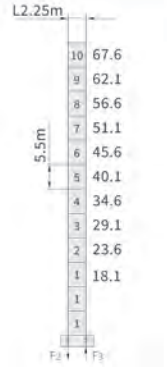
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Outline Dimensions

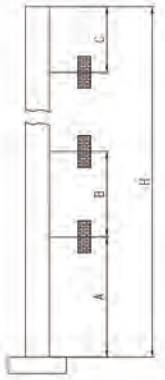


Masts



	●	■
F2	248t	264t
F3	176t	203t
	95.4t	

Anchorages



Mast	A	B	C	H
L2.25	54.5m	33.0m	49.0m	298.6m

● in service Reaction ■ Out of service Reaction

Total weight of free standing crane(exlude (ounter weight & ballast)

Number of tie collors=(H-A-C)/B+1

Load Diagrams 20t

R	Fall	RC	C	20	25	30	35	40	45	50	55	60	65	70	75	80
80m	4	14.0	20.0	13.46	10.4	8.36	6.91	5.82	4.97	4.29	3.74	3.27	2.88	2.55	2.26	2.0
	2	27.4	10.0	10.0	10.0	9.06	7.61	6.52	5.67	4.99	4.44	3.97	3.58	3.25	2.96	2.70
75m	4	16.8	20.0	16.48	12.8	10.35	8.60	7.29	6.27	5.45	4.78	4.23	3.75	3.35	3.0	
	2	32.8	10.0	10.0	10.0	10.0	9.30	7.99	6.97	6.15	5.48	4.93	4.45	4.05	3.70	
70m	4	17.5	20.0	17.24	13.39	10.83	9.0	7.62	6.55	5.70	5.0	4.42	3.92	3.50		
	2	34.0	10.0	10.0	10.0	10.0	9.70	8.32	7.25	6.40	5.70	5.12	4.62	4.20		
65m	4	18.0	20.0	17.8	13.84	11.2	9.32	7.91	6.81	5.93	5.21	4.61	4.10			
	2	35.0	10.0	10.0	10.0	10.0	10.0	8.61	7.51	6.63	5.91	5.31	4.80			
60m	4	19.0	20.0	18.9	14.7	11.9	9.0	8.4	7.23	6.3	5.54	4.90				
	2	36.8	10.0	10.0	10.0	10.0	10.0	9.1	7.93	7.0	6.24	5.60				
55m	4	19.2	20.0	19.12	14.90	12.09	10.08	8.58	7.40	6.47	5.70					
	2	37.4	10.0	10.0	10.0	10.0	10.0	9.28	8.10	7.17	6.40					
50m	4	20.0	20.0	20.0	15.63	12.72	10.64	9.08	7.87	6.90						
	2	39.2	10.0	10.0	10.0	10.0	10.0	9.78	8.57	7.60						
45m	4	20.0	20.0	20.0	15.71	12.71	10.56	8.95	7.70							
	2	38.8	10.0	10.0	10.0	10.0	10.0	9.65	8.40							
40m	4	20.3	20.0	20.0	15.79	12.77	10.62	9.0								
	2	39.0	10.0	10.0	10.0	10.00	10.0	9.70								
35m	4	20.4	20.0	20.0	15.84	12.78	10.6									
	2	35.0	10.0	10.0	10.0	10.0	10.0									
30m	4	20.4	20.0	20.0	12.0	12.0										
	2	30.0	10.0	10.0	15.79	12.7										

Mechanisms 20t

Name		m/min	t	m/min	t	m	Motor power kw
Hoisting	75JLF50	0-100	1.5	0-21	20.0	805	75
Trolleying	11JXF10	0-65m/min					11
Slewing	RVF7.5	0-0.7rpm					7.5x3
Power	380v(±10%)/50Hz	75JLF50:108.5kw					

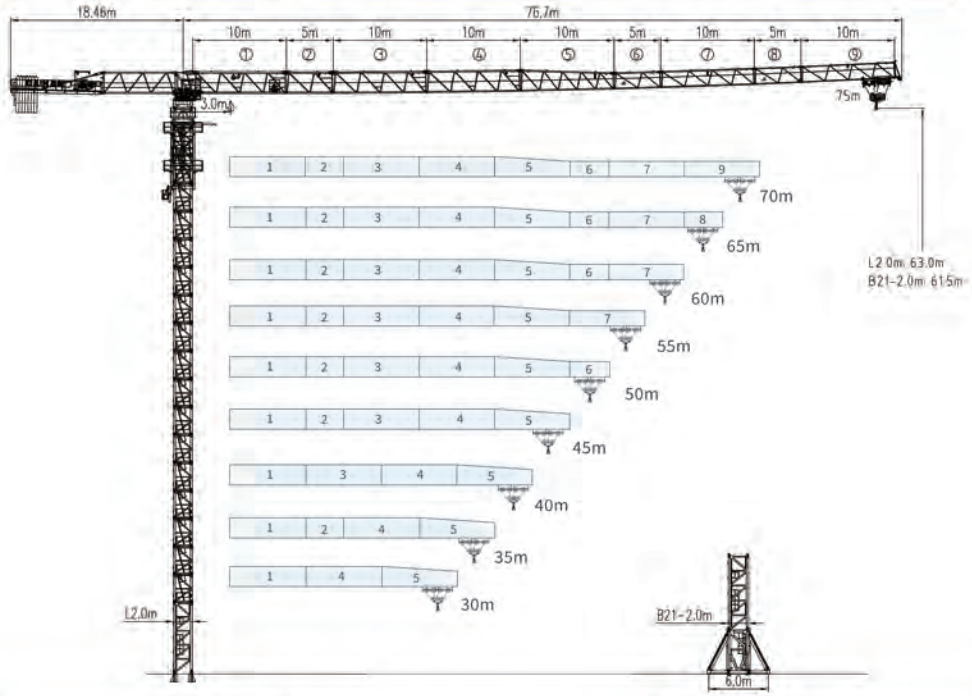
Counter weight

			PHZ3500	PHZ1300	PHZ600
80m	23.0m	26400KG	7	1	1
75m	23.0m	26400KG	7	1	1
70m	23.0m	25800KG	7	1	/
65m	23.0m	25100KG	7	/	1
60m	23.0m	24500KG	7	/	/
55m	23.0m	22300KG	6	1	/
50m	23.0m	21600KG	6	/	1
45m	19.2m	26400KG	7	1	1
40m	19.2m	24500KG	7	/	/
35m	19.2m	21000KG	6	/	/
30m	19.2m	19400KG	5	1	1

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Outline Dimensions



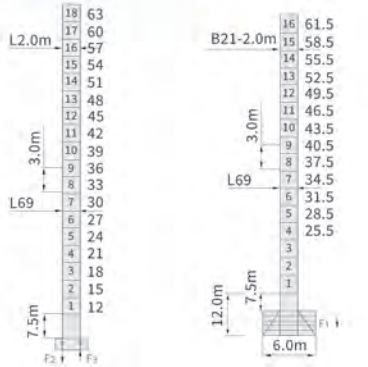
Load Diagrams 20t

R	Fall	RC	C	20	25	30	35	40	45	50	55	60	65	70	75
75m	4	14.0	20.0	13.43	10.37	8.33	6.87	5.78	4.92	4.24	3.69	3.22	2.83	2.49	2.20
	2	27.6	10.0	10.0	10.0	9.13	7.67	6.58	5.72	5.04	4.49	4.02	3.63	3.69	3.00
70m	4	14.5	20.0	14.03	10.89	8.79	7.29	6.17	5.30	4.60	4.03	3.55	3.15	2.80	
	2	28.9	10.0	10.0	10.0	9.59	8.09	6.97	6.10	5.59	4.83	4.35	3.95	3.60	
65m	4	15.5	20.0	15.09	11.71	9.46	7.85	6.65	5.71	4.96	4.35	3.83	3.40		
	2	30.7	10.0	10.0	10.0	10.0	8.65	7.45	6.51	5.76	5.15	4.63	4.20		
60m	4	16.2	20.0	15.86	12.33	9.98	8.30	7.04	6.06	5.28	4.64	4.10			
	2	32.1	10.0	10.0	10.0	10.0	9.10	7.84	6.86	6.08	5.44	4.90			
55m	4	17.0	20.0	16.68	12.91	10.40	8.61	7.27	6.22	5.38	4.70				
	2	33.2	10.0	10.0	10.0	10.0	9.41	8.07	7.02	6.18	5.50				
50m	4	18.0	20.0	17.80	13.83	11.19	9.30	7.88	6.78	5.90					
	2	35.3	10.0	10.0	10.0	10.0	10.0	8.68	7.58	6.70					
45m	4	18.5	20.0	18.33	14.25	11.53	9.59	8.13	7.00						
	2	36.2	10.0	10.0	10.0	10.0	10.0	8.93	7.80						
40m	4	20.0	20.0	20.0	15.40	12.33	10.14	8.50							
	2	37.7	10.0	10.0	10.0	10.0	10.0	9.30							
35m	4	20.0	20.0	20.0	15.40	12.33	10.14								
	2	37.7	10.0	10.0	10.0	10.0	10.0								
30m	4	20.0	20.0	20.0	15.40	12.33									
	2	37.7	10.0	10.0	10.0	10.0									

Load Diagrams 18t

R	Fall	RC	C	20	25	30	35	40	45	50	55	60	65	70	75
75m	4	15.0	18.0	13.18	10.29	8.36	6.98	5.95	5.14	4.50	3.97	3.53	3.16	2.85	2.57
	2	29.9	9.0	9.0	9.0	8.99	7.61	6.58	5.77	5.13	4.60	4.16	3.79	3.48	3.20
70m	4	16.2	18.0	14.33	11.21	9.12	7.64	6.52	5.65	4.96	4.39	3.91	3.51	3.17	
	2	32.3	9.0	9.0	9.0	9.0	8.27	7.15	6.28	5.59	5.02	4.54	4.14	3.80	
65m	4	16.7	18.0	14.81	11.6	9.45	7.92	6.77	5.87	5.16	4.57	4.08	3.67		
	2	33.3	9.0	9.0	9.0	9.0	8.55	7.40	6.50	5.79	5.20	4.71	4.30		
60m	4	18.0	18.0	16.05	12.55	10.21	8.54	7..29	6.32	5.54	4.90	4.37			
	2	35.6	9.0	9.0	9.0	9.0	9.0	7.92	6.95	6.17	5.53	5.00			
55m	4	18.3	18.0	16.35	12.81	10.44	8.75	7.49	6.50	5.72	5.07				
	2	36.4	9.0	9.0	9.0	9.0	9.0	8.12	7.13	6.35	5.70				
50m	4	19.6	18.0	17.6	13.79	11.25	9.44	8.08	7.02	6.17					
	2	38.8	9.0	9.0	9.0	9.0	9.0	8.71	7.65	6.80					
45m	4	19.6	18.0	17.61	13.81	11.29	9.48	8.12	7.07						
	2	39.0	9.0	9.0	9.0	9.0	9.0	8.75	7.70						
40m	4	19.6	18.0	17.61	13.84	11.32	9.52	8.17							
	2	39.2	9.0	9.0	9.0	9.0	9.0	8.80							
35m	4	19.6	18.0	17.60	13.76	11.20	9.37								
	2	35.0	9.0	9.0	9.0	9.0	9.0								
30m	4	19.6	18.0	17.60	13.76	11.20									
	2	30.0	9.0	9.0	9.0	9.0									

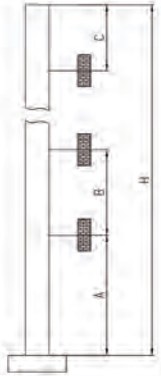
Masts



	●	■
F2	237t	213t
F3	173t	158t
78.8t		

	●	■
F1	130t	115t
85.8t		

Anchorages



Mast	A	B	C	H
L69	51m	36m	43.5m	249m

● in service Reaction ■ Out of service Reaction

Total weight of free standing crane(exlude (ounter weight & ballast)

Number of tie collors=(H-A-C)/B+1

Load Diagrams 16t

R	Fall	RC	C	20	25	30	35	40	45	50	55	60	65	70	75
75m		17.5	16.0	13.80	10.74	8.70	7.24	6.14	5.30	4.61	4.06	3.59	3.20	2.86	2.57
		34.5	8.0	8.0	8.0	8.0	7.87	6.77	5.92	5.24	4.69	4.22	3.83	3.49	3.20
70m		18.8	16.0	14.93	11.64	9.45	7.88	6.70	5.78	5.05	4.45	3.95	3.53	3.17	
		37.0	8.0	8.0	8.0	8.0	8.0	7.33	4.41	5.68	5.08	4.59	4.16	3.80	
65m		15.5	19.8	15.81	12.33	10.01	8.36	7.12	6.15	5.38	4.74	4.22	3.77		
		30.7	38.8	10.0	10.0	10.0	8.65	7.45	6.51	5.76	5.15	4.63	4.40		
60m		20.0	16.0	16.0	12.51	10.19	8.52	7.28	6.31	5.53	4.90	4.37			
		32.1	8.0	8.0	8.0	8.0	8.0	7.91	6.94	6.16	5.53	5.00			
55m		21.0	16.0	16.0	13.17	10.70	8.93	7.60	6.57	5.75	5.07				
		41.0	8.0	8.0	8.0	8.0	8.0	8.0	7.20	6.38	5.70				
50m		22.0	16.0	16.0	13.9	11.32	9.48	8.10	7.03	6.17					
		43.3	8.0	8.0	8.0	8.0	8.0	8.0	7.66	6.80					
45m		22.8	16.0	16.0	14.43	11.74	9.83	8.39	7.27						
		44.8	8.0	8.0	8.0	8.0	8.0	8.0	7.90						
40m		24.0	16.0	16.0	15.29	12.44	10.40	8.87							
		40	8.0	8.0	8.0	8.0	8.0	8.0							
35m		23.0	16.0	16.0	14.45	11.49	9.37								
		35.0	8.0	8.0	8.0	8.0	8.0								
30m		22.0	16.0	16.0	13.83	11.17									
		30.0	8.0	8.0	8.0	8.0									

Mechanisms 16/18/20t

Name							Motor power85
			m/min	t	m/min	t	m	kw
Hoisting	16t	55JLF40	0-100	1.5	0-17	16.0	805	55
	18t	55JLF45	0-100	1.5	0-17	18.0	805	55
	20t	75JLF50	0-100	1.5	0-21	20.0	805	75
Trolleying	16t/18t	7.5JXF8	0-65m/min					7.5
	20t	11JXF10	0-65m/min					11
Slewing	RVF7.5		0-0.7rpm					7.5X3
Travelling	B21-2.0m:RT544		0-17m/min					5.2X4
Power	380v (±10%) /50Hz		55JLF40:85kw / 55JLF45:85Kw/75JLF50:103.5KW (Do not contain travelling mechanism)					

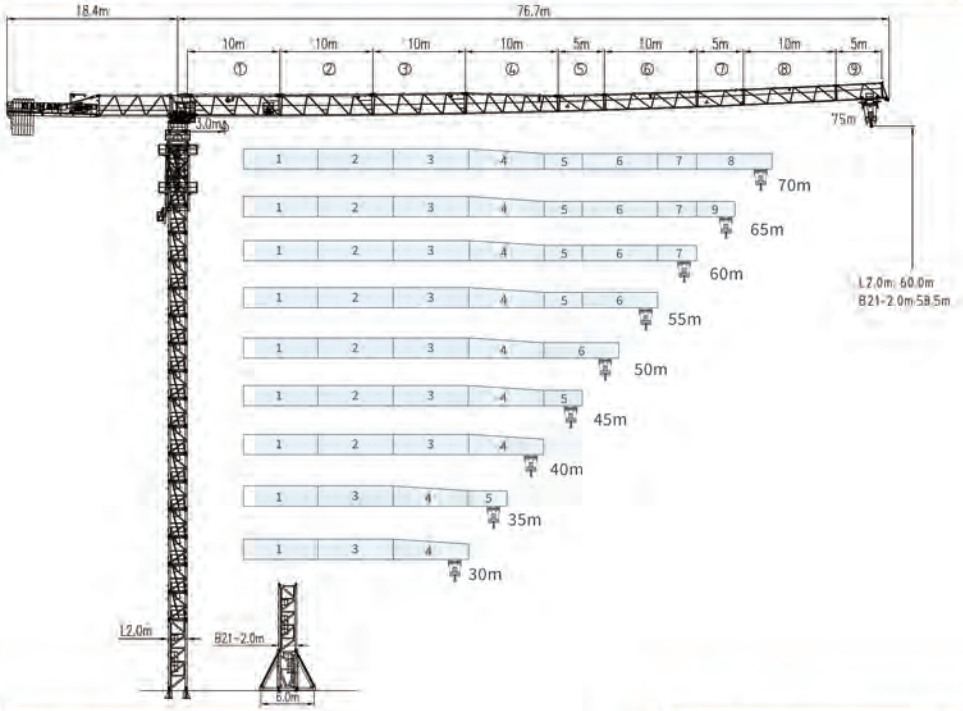
Counter weight

			PHZ3500	PHZ1300	PHZ1000
75m	18.46m	29900KG	8	1	1
70m	18.46m	29900KG	8	1	1
65m	18.46m	29300KG	8	1	/
60m	18.46m	28600KG	8	/	1
55m	18.46m	26400KG	7	1	1
50m	18.46m	26400KG	7	1	1
45m	18.46m	24500KG	7	/	/
40m	18.46m	22900KG	6	1	1
35m	18.46m	19400KG	5	1	1
30m	18.46m	17500KG	5	/	/

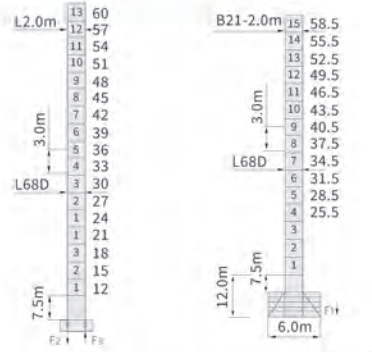
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Outline Dimensions



Masts



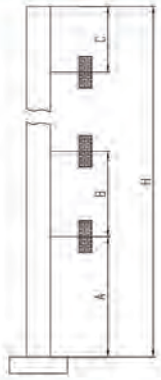
	●	■
F2	199t	195t
F3	143t	144t
	74.9t	

	●	■
F1	114t	111t
	81.9t	

● in service Reaction ■ Out of service Reaction

Total weight of free standing crane(exlude (ounter weight & ballast)

Anchorages



Mast	A	B	C	H
L68D	51m	30m	37.5m	240m

Number of tie collors=(H-A-C)/B+1

Load Diagrams 18t

R	Fall	RC	C	20	25	30	35	40	45	50	55	60	65	70	75
75m	⁂	13.3	18.0	11.51	8.94	7.22	5.99	5.07	4.36	3.79	3.32	2.93	2.54	2.32	2.07
	⁂	26.4	9.0	9.0	9.0	7.85	6.62	5.70	4.99	4.42	3.95	3.56	3.17	2.95	2.70
70m	⁂	14.1	18.0	12.30	9.58	7.76	6.46	5.49	4.73	4.13	3.63	3.22	2.87	2.57	
	⁂	28.1	9.0	9.0	9.0	8.39	7.09	6.12	5.36	4.76	4.26	3.85	3.50	3.20	
65m	⁂	15.0	18.0	13.18	10.29	8.36	6.98	5.95	5.15	4.51	3.98	3.54	3.17		
	⁂	29.9	9.0	9.0	9.0	8.99	7.61	6.58	5.78	5.14	4.61	4.17	3.80		
60m	⁂	16.3	18.0	14.41	11.25	9.14	7.63	6.50	5.63	4.92	4.35	3.87			
	⁂	32.3	9.0	9.0	9.0	9.0	8.26	7.13	6.26	5.55	4.98	4.50			
55m	⁂	17.0	18.0	15.09	11.78	9.58	8.00	6.82	5.90	5.17	4.57				
	⁂	33.7	9.0	9.0	9.0	9.0	8.63	7.45	6.54	5.80	5.20				
50m	⁂	18.6	18.0	16.61	12.97	10.53	8.80	7.50	6.48	5.67					
	⁂	36.5	9.0	9.0	9.0	9.0	9.0	8.12	7.11	6.30					
45m	⁂	18.2	18.0	16.26	12.73	10.38	8.71	7.45	6.47						
	⁂	36.2	9.0	9.0	9.0	9.0	9.0	8.08	7.10						
40m	⁂	18.2	18.0	16.28	12.81	10.49	8.84	7.60							
	⁂	36.7	9.0	9.0	9.0	9.0	9.0	8.23							
35m	⁂	17.8	18.0	15.83	12.35	10.03	8.37								
	⁂	35.0	9.0	9.0	9.0	9.0	9.0								
30m	⁂	17.8	18.0	15.95	12.60	10.37									
	⁂	30.0	9.0	9.0	9.0	9.0									

Load Diagrams 16t

R	Fall	RC	C	20	25	30	35	40	45	50	55	60	65	70	75
75m	⁂	15.0	16.0	11.65	9.04	7.29	6.05	5.12	4.39	3.81	3.34	2.94	2.61	2.34	2.07
	⁂	29.8	8.0	8.0	8.0	7.92	6.68	5.75	5.02	4.44	3.97	3.57	3.24	2.95	2.70
70m	⁂	16.0	16.0	12.52	9.73	7.88	6.55	5.55	4.78	4.16	3.66	3.23	2.88	2.57	
	⁂	31.7	8.0	8.0	8.0	8.0	7.18	6.18	5.41	4.79	4.29	3.86	3.51	3.20	
65m	⁂	17.0	16.0	13.39	10.44	8.47	7.06	6.01	5.19	4.53	3.99	3.55	3.17		
	⁂	33.8	8.0	8.0	8.0	8.0	7.69	6.64	5.82	5.16	4.62	4.17	3.80		
60m	⁂	18.3	16.0	14.51	11.32	9.19	7.67	6.53	5.64	4.93	4.35	3.87			
	⁂	36.2	8.0	8.0	8.0	8.0	8.0	7.16	6.27	5.56	4.98	4.50			
55m	⁂	19.0	16.0	15.12	11.80	9.59	8.02	6.83	5.91	5.17	4.57				
	⁂	37.6	8.0	8.0	8.0	8.0	8.0	7.46	6.54	5.80	5.20				
50m	⁂	21.0	16.0	16.0	13.15	10.66	8.88	7.54	6.50	5.67					
	⁂	40.7	8.0	8.0	8.0	8.0	8.0	8.0	7.13	6.30					
45m	⁂	20.5	16.0	16.0	12.84	10.45	8.75	7.47	6.47						
	⁂	40.4	8.0	80	8.0	8.0	8.0	8.0	7.10						
40m	⁂	20.5	16.0	16.0	12.89	10.54	8.86	7.60							
	⁂	40.0	8.0	8.0	8.0	8.0	8.0	8.0							
35m	⁂	20.0	16.0	16.0	12.44	10.07	8.37								
	⁂	35.0	8.0	8.0	8.0	8.0	8.0								
30m	⁂	20.0	16.0	16.0	12.62	10.37									
	⁂	30.0	8.0	8.0	8.0	8.0									

Load Diagrams 12t

R	Fall	RC	C	20	25	30	35	40	45	50	55	60	65	70	75
75m		20.0	12.0	12.0	9.39	7.65	6.41	5.47	4.75	4.17	3.69	3.30	2.96	2.68	2.43
		38.5	6.0	6.0	6.0	6.0	6.0	5.75	5.02	4.44	3.97	3.57	3.24	2.95	2.70
70m		22.0	12.0	12.0	10.41	8.47	7.09	6.05	5.24	4.59	4.06	3.26	3.25	2.93	
		41.8	6.0	6.0	6.0	6.0	6.0	6.0	5.51	4.86	4.33	3.89	3.52	3.20	
65m		23.0	12.0	12.0	10.95	8.94	7.50	6.43	5.59	4.92	4.37	3.91	3.53		
		44.1	6.0	6.0	6.0	6.0	6.0	6.0	5.86	5.19	4.64	4.19	3.80		
60m		25.0	12.0	12.0	12.0	9.78	8.19	7.0	6.08	5.34	4.73	4.23			
		47.2	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.61	5.01	4.50			
55m		26.0	12.0	12.0	12.0	10.21	8.55	7.30	6.34	5.56	4.93				
		48.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.83	5.20				
50m		28.5	12.0	12.0	12.0	11.34	9.55	5.21	7.16	6.33					
		50.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0					
45m		28.0	12.0	12.0	12.0	11.09	9.26	7.89	6.83						
		45.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0						
40m		28.0	12.0	12.0	12.0	11.07	9.22	7.83							
		40.0	6.0	6.0	6.0	6.0	6.0	6.0							
35m		27.0	12.0	12.0	12.0	10.57	8.73								
		35.0	6.0	6.0	6.0	6.0	6.0								
30m		27.0	12.0	12.0	12.0	10.73									
		30.0	6.0	6.0	6.0	6.0									

Counter weight

			PHZ3500	PHZ1300	PHZ1000
75m	18.4m	26400KG	7	1	1
70m	18.4m	25800KG	7	1	/
65m	18.4m	25100KG	7	/	1
60m	18.4m	24500KG	7	/	/
55m	18.4m	22900KG	6	1	1
50m	18.4m	22900KG	6	1	1
45m	18.4m	21600KG	6	/	1
40m	18.4m	19400KG	5	1	1
35m	18.4m	15300KG	4	1	/
30m	18.4m	14000KG	4	/	/

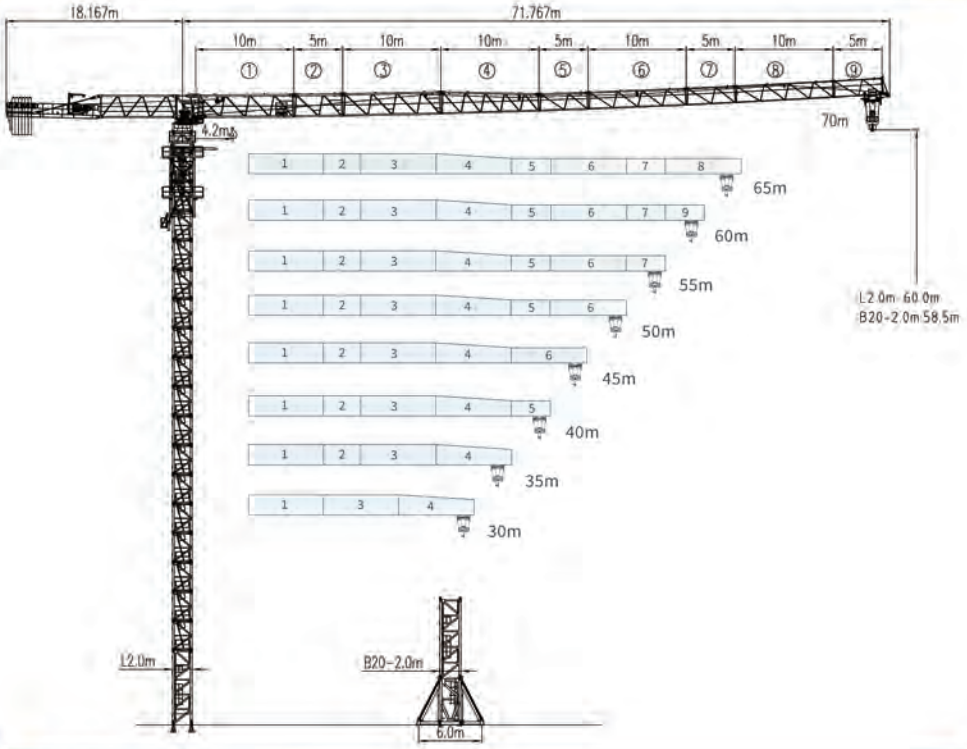
Mechanisms 12/16/18t

Name							Motor power
			m/min	t	m/min	t	m	kw
Hoisting	12t	45JLF30	0-106	1.5	0-20	12.0	670	45
	16t	55JLF40	0-100	1.5	0-17	16.0	805	55
	18t	55JLF45	0-100	1.5	0-17	18.0	805	55
Trolleying	7.5JXF8		0-65m/min					7.5
Slewing	RVF7.5		0-0.6rpm					7.5X2
Traccelling	B20-2.0m:RT544		0-17m/min					5.2X4
Power	380v (±10%) /50Hz		4JLF30:67.5KW / 55JLF40:77.5KW / 55JLF45:77.5KW (Do not contain travelling mechanism)					

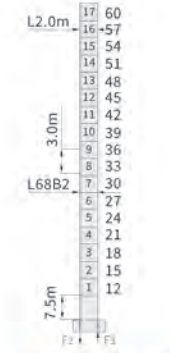
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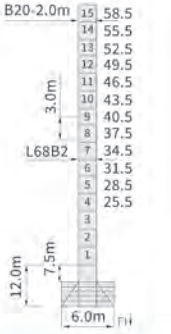
Outline Dimensions



Masts

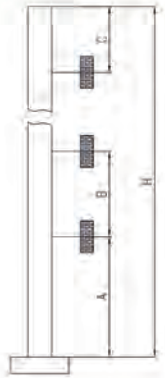


	●	■
F2	185t	189t
F3	135t	145t
⚖	65.3t	



	●	■
F1	109t	105t
⚖	71.3t	

Anchorages



Mast	A	B	C	H
L68B2	48m	36.0m	43.5m	333m

● In service Reaction ■ Out of service Reaction

⚖ Total weight of free standing crane(exlude (ounter weight & ballast)

Number of tie collors=(H-A-C)/B+1

Load Diagrams 16t

R...	Fall	RC...	C...	20	25	30	35	40	45	50	55	60	65	70
70m	⁂	13.0	16.0	9.93	7.67	6.17	5.09	4.29	3.66	3.16	2.75	2.41	2.12	1.87
	⁘	25.9	8.0	8.0	8.0	6.80	5.72	4.92	4.29	3.79	3.38	3.04	2.75	2.50
65m	⁂	15.0	16.0	11.60	8.96	7.21	5.95	5.01	4.27	3.69	3.21	2.81	2.47	
	⁘	29.5	8.0	8.0	8.0	7.84	6.85	5.64	4.90	4.32	3.84	3.44	3.10	
60m	⁂	15.7	16.0	12.22	9.48	7.65	6.34	5.36	4.60	3.99	3.49	3.07		
	⁘	31.6	8.0	8.0	8.0	8.0	6.97	5.99	5.23	4.62	4.12	3.70		
55m	⁂	16.5	16.0	12.94	10.06	8.14	6.76	5.73	4.93	4.29	3.77			
	⁘	32.6	8.0	8.0	8.0	8.0	7.39	6.36	5.56	4.92	4.40			
50m	⁂	17.2	16.0	13.56	10.56	8.57	7.14	6.07	5.24	4.57				
	⁘	34.0	8.0	8.0	8.0	8.0	7.77	6.70	5.87	5.20				
45m	⁂	17.5	16.0	13.82	10.78	8.75	7.30	6.22	5.37					
	⁘	34.7	8.0	8.0	8.0	8.0	7.93	6.85	6.0					
40m	⁂	17.5	16.0	13.78	10.70	8.64	7.17	6.07						
	⁘	34.2	8.0	8.0	8.0	8.0	7.80	6.70						
35m	⁂	17.5	16.0	13.72	10.57	8.47	6.97							
	⁘	33.5	8.0	8.0	8.0	8.0	7.60							
30m	⁂	17.0	16.0	11.30	10.24	8.20								
	⁘	30.0	8.0	8.0	8.0	8.0								

Load Diagrams 12t

R	Fall	RC	C	20	25	30	35	40	45	50	55	60	65	70
70m		18.0	12.0	10.68	8.29	6.70	5.57	4.71	4.05	3.52	3.09	2.73	2.42	2.16
		34.5	6,0	6.0	6.0	6.0	5.91	5.05	4.39	3.86	3.43	3.07	2.76	2.50
65m		20.0	12.0	12.0	9.33	7.55	6.28	5.33	4.59	3.99	3.51	3.10	2.76	
		38.1	6.0	6.0	6.0	6.0	6.0	5.67	4.93	4.33	3.85	3.44	3.10	
60m		21.0	12.0	12.0	9.87	8.01	6.68	5.69	4.91	4.29	3.78	3.36		
		40.2	6.0	6.0	6.0	6.0	6.0	6.0	5.25	4.63	4.12	3.70		
55m		22.5	12.0	12.0	10.65	8.64	7.20	6.12	5.28	4.61	4.06			
		42.6	6.0	6.0	6.0	6.0	6.0	6.0	5.62	4.95	4.40			
50m		23.5	12.0	12.0	11.19	9.08	7.57	6.44	5.56	4.86				
		44.4	6.0	6.0	6.0	6.0	6.0	6.0	5.90	5.20				
45m		24.0	12.0	12.0	11.46	9.28	7.73	6.57	5.66					
		45.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0					
40m		23.5	12.0	12.0	11.19	9.04	7.51	6.36						
		40.0	6.0	6.0	6.0	6.0	6.0	6.0						
35m		23.0	12.0	12.0	10.89	8.77	7.26							
		35.0	6.0	6.0	6.0	6.0	6.0							
30m		22.5	12.0	12.0	10.57	8.46								
		30.0	6.0	6.0	6.0	6.0								

Counter weight

			PHZ3500	PHZ1300	PHZ600
70m	18.167m	22900KG	6	1	1
65m	18.167m	22300KG	6	1	/
60m	18.167m	21000KG	6	/	/
55m	18.167m	21000KG	6	/	/
50m	18.167m	19400KG	5	1	1
45m	18.167m	18100KG	5	/	1
40m	18.167m	17500KG	5	/	/
35m	18.167m	15300KG	4	1	/
30m	18.167m	12400KG	3	1	1

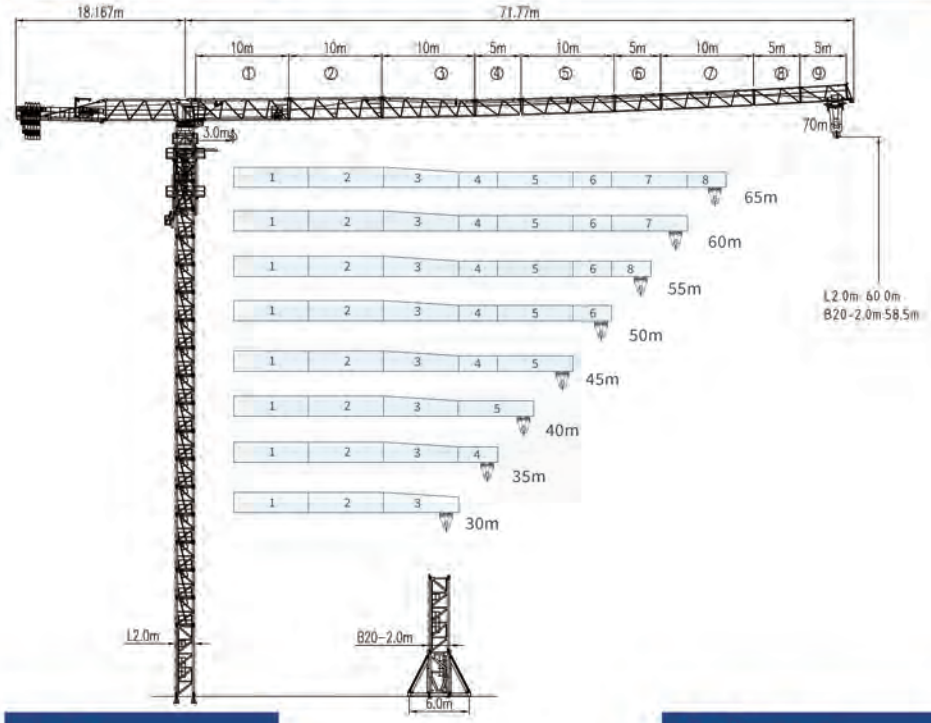
Mechanisms 12/16t

Name								Motor power
			m/min	t	m/min	t	m	kw
Hoisting	12t	45JLF30	0-106	1.5	0-20	12.0	670	45
	16t	55JLF40	0-100	1.5	0-17	16.0	805	55
Trolleying	12t	6JXF5	0-65m/min					5.5
	16t	7.5JXF8	0-65m/min					7.5
Slewing	RVF7.5		0-0.6rpm					7.5X2
Travelliing	B20-2.0m:RT544		0-17m/min					5.2X4
Power	380v (±10%) /50Hz		45JLF30:65.5KW/55JLF40:77.5KW (Do not contain travelling mechanism)					

DH248
7020

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Outline Dimensions



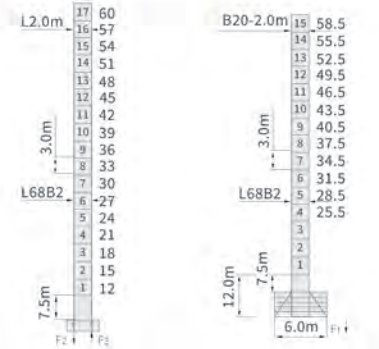
Load Diagrams 12t

R	Fall	RC	C	20	25	30	35	40	45	50	55	60	65	70
70m	2	15.3	12.0	8.90	6.89	5.55	4.59	3.88	3.32	2.87	2.50	2.20	1.94	1.72
	4	29.3	6.0	6.0	6.0	5.83	4.87	4.15	3.59	3.14	2.78	2.47	2.22	2.00
65m	2	16.8	12.0	9.88	7.66	6.19	5.14	4.35	3.73	3.24	2.84	2.50	2.22	
	4	32.0	6.0	6.0	6.0	6.0	5.41	4.62	4.01	3.52	3.11	2.78	2.50	
60m	2	18.3	12.0	10.85	8.41	6.79	5.63	4.75	4.08	3.53	3.09	2.72		
	4	34.5	6.0	6.0	6.0	6.0	5.90	5.03	4.35	3.81	3.37	3.00		
55m	2	19.5	12.0	11.65	9.07	7.34	6.11	5.19	4.47	3.89	3.42			
	4	36.9	6.0	6.0	6.0	6.0	6.0	5.46	4.74	4.17	3.70			
50m	2	20.5	12.0	12.0	9.59	7.76	6.46	5.49	4.73	4.12				
	4	38.7	6.0	6.0	6.0	6.0	6.0	5.76	5.00	4.40				
45m	2	22.8	12.0	12.0	10.79	8.74	7.27	6.18	5.32					
	4	42.5	6.0	6.0	6.0	6.0	6.0	6.0	5.60					
40m	2	20.5	12.0	12.0	9.55	7.70	6.38	5.40						
	4	38.2	6.0	6.0	6.0	6.0	6.0	5.67						
35m	2	20.5	12.0	12.0	9.51	7.63	6.30							
	4	35.0	6.0	6.0	6.0	6.0	6.0							
30m	2	20.0	12.0	12.0	9.30	7.50								
	4	30.0	6.0	6.0	6.0	6.0								

Mechanisms 12t

Name		2		4		6	Motor power
		m/min	t	m/min	t	m	kw
Hoisting	45JLF30	0-106	1.5	0-20	12.0	670	45
Trolleying	6JXF5	0-65m/min					5.5
Slewing	RVF7.5	0-0.6rpm					7.5x2
Travelling	B20-2.0M:RT544	0-17m/min					5.2x4
Power	380v (±10%) /50Hz	45JLF30:65.5KW (Do not contain travelling mechanism)					

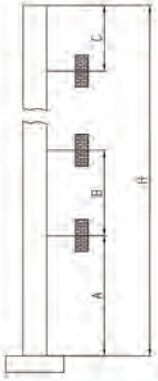
Masts



	●	■
F2	170t	199t
F3	123t	157t
63.8t		

	●	■
F1	109t	105t
69.8t		

Anchorages



Mast	A	B	C	H
L68B2	48m	36.0m	43.5m	333m

Counter weight

			PHZ3500	PHZ1300	PHZ600
70m	18.167m	19400KG	5	1	1
65m	18.167m	18800KG	5	1	/
60m	18.167m	18100KG	5	/	1
55m	18.167m	17500KG	5	/	/
50m	18.167m	15900KG	4	1	1
45m	18.167m	15900KG	4	1	1
40m	18.167m	14000KG	4	/	/
35m	18.167m	12400KG	3	1	1
30m	18.167m	11000KG	3	/	1

● in service Reaction ■ Out of service Reaction

Total weight of free standing crane(exlude (ounter weight & ballast)

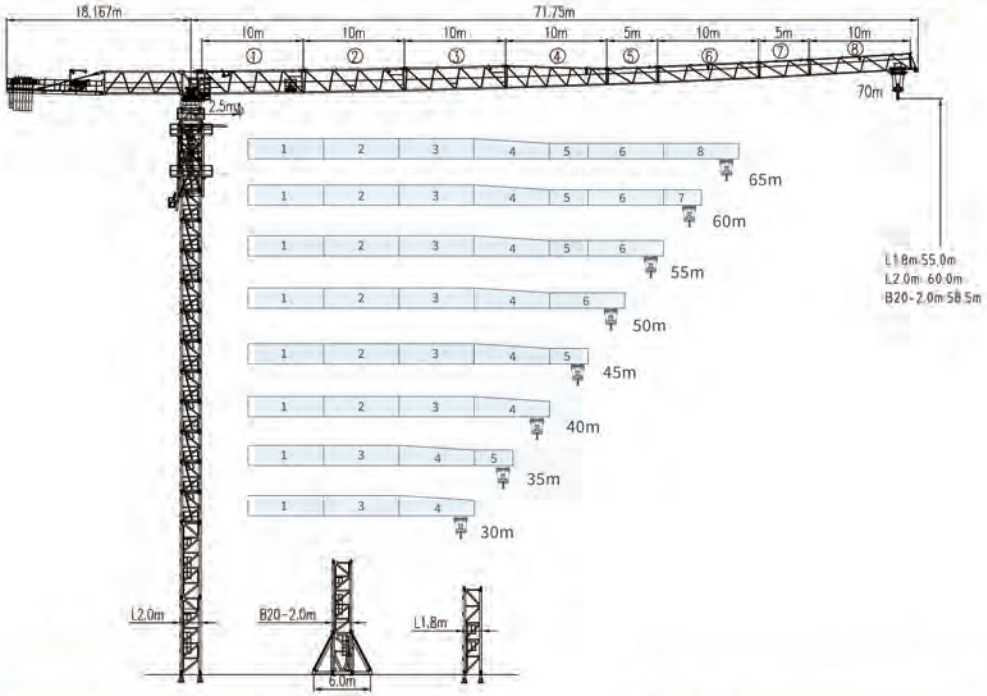
Number of tie collors=(H-A-C)/B+1

Packing quantity(independent height) 6X 40HQ

DH208
7015

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Outline Dimensions



Load Diagrams 10t

R	Fall	RC	C	20	25	30	35	40	45	50	55	60	65	70
70m	4	16.0	10.0	7.77	5.99	4.80	3.95	3.31	2.82	2.42	2.09	1.82	1.60	1.40
	2	29.5	5.0	5.0	5.0	4.90	4.05	3.41	2.92	2.52	2.19	1.92	1.70	1.50
65m	4	17.7	10.0	8.75	6.83	5.55	4.63	3.95	3.41	2.99	2.64	2.35	2.10	
	2	33.4	5.0	5.0	5.0	5.0	4.73	4.05	3.51	3.09	2.74	2.45	2.20	
60m	4	19.1	10.0	9.51	7.44	6.06	5.70	4.33	3.75	3.29	2.91	2.60		
	2	36.0	5.0	5.0	5.0	5.0	5.0	4.43	3.85	3.39	3.01	2.70		
55m	4	20.0	10.0	10.0	7.83	6.39	5.35	4.58	3.98	3.49	3.10			
	2	37.7	5.0	5.0	5.0	5.0	5.0	4.68	4.08	3.59	3.20			
50m	4	22.0	10.0	10.0	8.67	7.05	5.89	5.02	4.34	3.80				
	2	40.0	5.0	5.0	5.0	5.0	5.0	5.0	4.44	3.90				
45m	4	22.5	10.0	10.0	8.87	7.19	6.0	5.10	4.40					
	2	41.0	5.0	5.0	5.0	5.0	5.0	5.0	4.50					
40m	4	23.0	10.0	10.0	9.10	7.36	6.13	5.20						
	2	40.0	5.0	5.0	5.0	5.0	5.0	5.0						
35m	4	23.2	10.0	10.0	9.18	7.44	6.20							
	2	35.0	5.0	5.0	5.0	5.0	5.0							
30m	4	23.4	10.0	10.0	9.26	7.50								
	2	30.0	5.0	5.0	5.0	5.0								

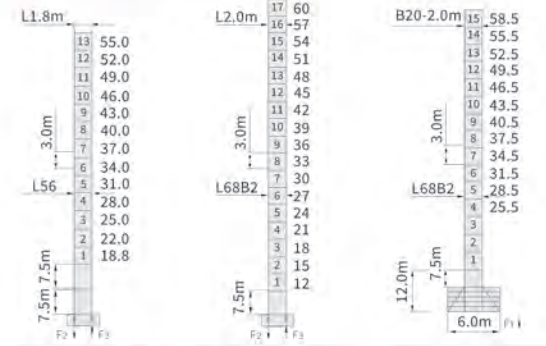
Mechanisms 10t

Name							Motor power
		m/min	t	m/min	t	m	kw
Hoisting	45LFV25	0-80	2.5	0-20	10.0	500	45
Trolleying	4JXF4A	0-65m/min					4
Slewing	RVF5.5	0-0.6rpm					5.5x2
Travelling	B20-2.0M:RT544	0-17m/min					5.2x4
Power	380v(±10%)/50Hz	45LFV25:61.5KW (Do not contain travelling mechanism)					

Counter weight

			PHZ2600	PHZ2000	PHZ1000
70m	18.167m	17000KG	5	1	2
65m	18.167m	16000KG	5	1	1
60m	18.167m	16000KG	5	1	1
55m	18.167m	15000KG	5	1	/
50m	18.167m	14400KG	4	1	2
45m	18.167m	13400KG	4	1	1
40m	18.167m	12400KG	4	1	/
35m	18.167m	10800KG	3	1	1
30m	18.167m	9800KG	3	1	/

Masts

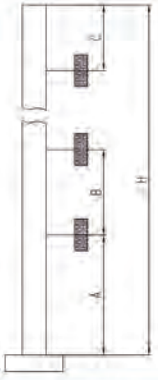


F2	157t	180t	
F3	118t	146t	
	51.2t		

F2	156t	217t	
F3	114t	180t	
	56.2t		

F1	96t	113t	
	62.2t		

Anchorages



Mast	A	B	C	H
L56	49.5m	30.0m	37.5m	237.8m
L68B2	48m	36.0m	43.5m	249m

● in service Reaction ■ Out of service Reaction

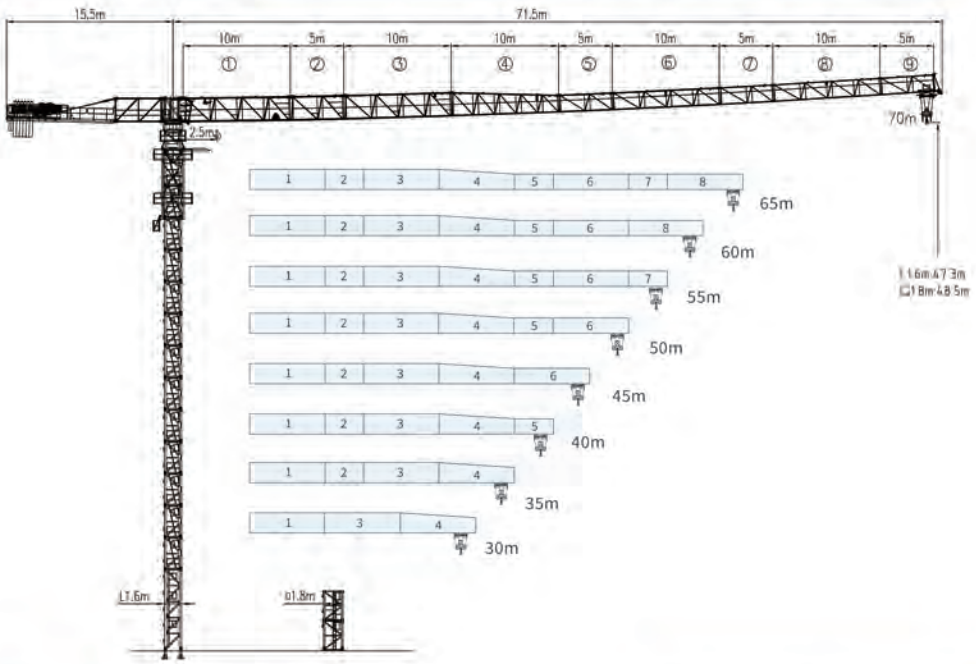
Total weight of free standing crane(exlude (ounter weight & ballast)

Number of tie collors=(H-A-C)/B+1

DH168
7013

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Outline Dimensions



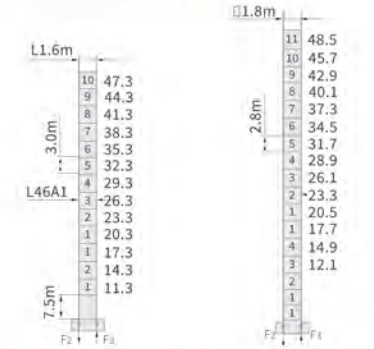
Load Diagrams 10t

R	Fall	RC	C	20	25	30	35	40	45	50	55	60	65	70
70m	4	13.0	10.0	6.22	4.81	3.88	3.21	2.71	2.32	2.00	1.75	1.53	1.35	1.20
	2	24.6	5.0	5.0	4.91	3.98	3.31	2.81	2.42	2.10	1.85	1.63	1.45	1.30
65m	4	15.0	10.0	7.30	5.68	4.61	3.83	3.26	2.81	2.45	2.15	1.91	1.70	
	2	28.4	5.0	5.0	5.0	4.71	3.93	3.36	2.91	2.55	2.25	2.01	1.80	
60m	4	15.5	10.0	7.60	5.95	4.85	4.06	3.48	3.02	2.65	2.35	2.10		
	2	29.7	5.0	5.0	5.0	4.95	4.16	3.58	3.12	2.75	2.45	2.22		
55m	4	17.4	10.0	8.59	6.71	5.45	4.56	3.88	3.36	2.94	2.60			
	2	32.9	5.0	5.0	5.0	5.0	4.66	3.98	3.46	3.04	2.70			
50m	4	18.0	10.0	8.91	6.94	5.63	4.69	3.98	3.44	3.00				
	2	33.7	5.0	5.0	5.0	5.0	4.79	4.08	3.54	3.10				
45m	4	18.7	10.0	9.28	7.23	5.87	4.90	4.17	3.60					
	2	35.0	5.0	5.0	5.0	5.0	5.0	4.27	3.70					
40m	4	19.3	10.0	9.61	7.48	6.07	5.06	4.30						
	2	36.0	5.0	5.0	5.0	5.0	5.0	4.40						
35m	4	19.3	10.0	9.60	7.45	6.02	5.0							
	2	35.0	5.0	5.0	5.0	5.0	5.0							
30m	4	19.3	10.0	9.60	7.44	6.0								
	2	30.0	5.0	5.0	5.0	5.0								

Mechanisms 10t

Name							Motor power
		m/min	t	m/min	t	m	kw
Hoisting	45LFV25	0-80	2.5	0-20	10.0	500	45
Trolleying	4JXF4A	0-58m/min					4.0
Slewing	RVF5.5	0-0.6rpm					5.5x2
Power	380v(±10%)/50Hz	30LFV20:45KW/45LFV25:60KW					

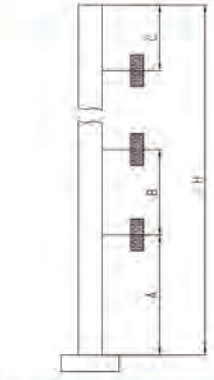
Masts



	●	■
F2	147t	143t
F3	113t	113t
	41.0t	

	●	■
F2	133t	119t
F3	100t	91t
	41t	

Anchorages



Mast	A	B	C	H
□1.8	40.6m	25.2m	32.2m	200m
L46A1	39m	27m	34.5m	200m

● in service Reaction ■ Out of service Reaction

Total weight of free standing crane(exlude (ounter weight & ballast)

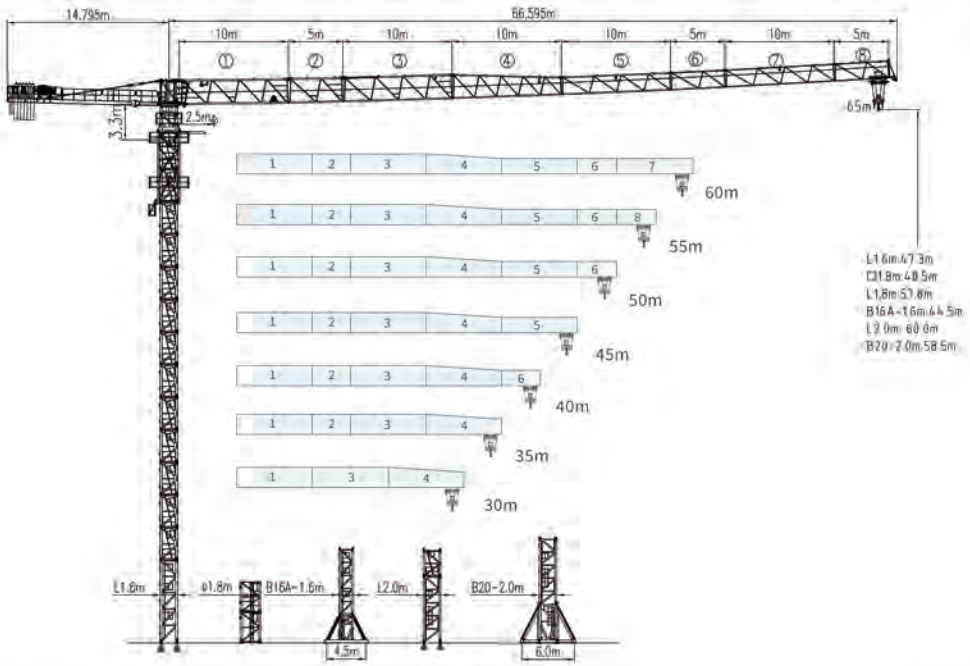
Number of tie collors=(H-A-C)/B+1

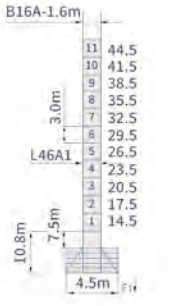
Counter weight

			PHZ2600	PHZ1300	PHZ1000
70m	15.5m	17900KG	6	1	1
65m	15.5m	17900KG	6	1	1
60m	15.5m	16900KG	6	1	/
55m	15.5m	16900KG	6	1	/
50m	15.5m	15600KG	6	/	/
45m	15.5m	14300KG	5	1	/
40m	15.5m	14000KG	5	/	1
35m	15.5m	12700KG	4	1	1
30m	15.5m	10400KG	4	/	/

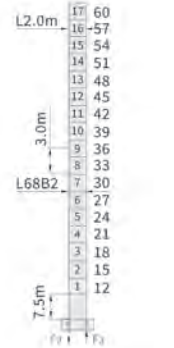
DAHAN大汉科技

Outline Dimensions

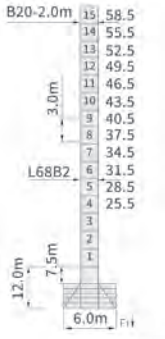




	●	■
F1	81t	80t
	44.5t	

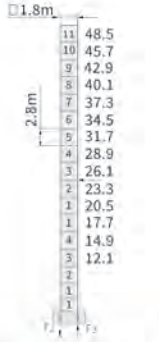


	●	■
F2	128t	178t
F3	88t	143t
	52.5t	

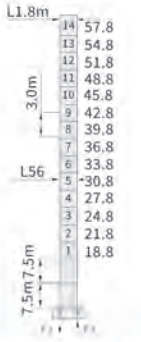


	●	■
F1	86t	100t
	58.5t	

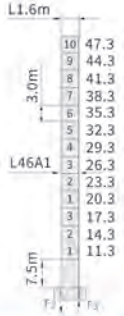
Masts



	●	■
F2	133t	119t
F3	100t	91t
	39.2t	

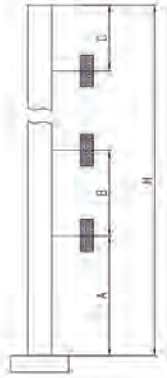


	●	■
F2	159t	205t
F3	123t	174t
	45.0t	



	●	■
F2	149t	137t
F3	115t	108t
	41.0t	

Anchorages



Mast	A	B	C	H
□1.8	40.6m	25.2m	32.2m	200m
L1.8	49.5m	30m	37.5m	237.8m
L46A1	39m	27m	34.5m	200m
L68B2	48m	36m	43.5m	249m

● In service Reaction ■ Out of service Reaction

Total weight of free standing crane(exlude (ounter weight & ballast)

Number of tie collors=(H-A-C)/B+1

Load Diagrams 10t

R	Fall	RC	C	15	20	25	30	35	40	45	50	55	60	65
65m	4	12.5	10.0	8.22	6.01	4.68	3.79	3.15	2.68	2.31	2.01	1.77	1.57	1.40
	2	24.0	5.0	5.0	5.0	4.78	3.89	3.25	2.78	2.41	2.11	1.87	1.67	1.50
60m	4	14.0	10.0	9.30	6.83	5.35	4.37	3.66	3.13	2.72	2.39	2.12	1.90	
	2	27.0	5.0	5.0	5.0	5.0	4.47	3.76	3.23	2.82	2.49	2.22	2.00	
55m	4	15.5	10.0	10.0	7.62	5.98	4.89	4.10	3.52	3.06	2.70	2.40		
	2	30.0	5.0	5.0	5.0	5.0	5.0	4.20	3.62	3.16	2.80	2.50		
50m	4	16.2	10.0	10.0	7.98	6.25	5.10	4.28	3.66	3.18	2.80			
	2	30.0	5.0	5.0	5.0	5.0	5.0	4.38	3.76	3.28	2.90			
45m	4	17.6	10.0	10.0	8.72	6.55	5.59	4.69	4.02	3.50				
	2	33.7	5.0	5.0	5.0	5.0	5.0	4.79	4.12	3.60				
40m	4	17.4	10.0	10.0	8.59	6.72	5.46	4.57	3.90					
	2	33.0	5.0	5.0	5.0	5.0	5.0	4.67	4.0					
35m	4	18.0	10.0	10.0	8.93	7.00	5.72	4.80						
	2	33.0	5.0	5.0	5.0	5.0	5.0	4.90						
30m	4	17.8	10.0	10.0	8.84	6.95	5.70							
	2	30.0	5.0	5.0	5.0	5.0	5.0							

Load Diagrams 8t

R	Fall	RC	C	15	20	25	30	35	40	45	50	55	60	65
65m	4	15.3	8.0	8.0	5.97	4.65	3.77	3.14	2.67	2.30	2.01	1.77	1.57	1.40
	2	29.1	4.0	4.0	4.0	4.0	3.87	3.24	2.77	2.40	2.11	1.87	1.67	1.50
60m	4	17.4	8.0	8.0	6.88	5.39	4.39	3.81	3.15	2.73	2.40	2.13	1.90	
	2	33.3	4.0	4.0	4.0	4.0	4.00	3.78	3.25	2.83	2.50	2.23	2.00	
55m	4	19.5	8.0	8.0	7.78	6.09	4.96	4.16	3.55	3.08	2.71	2.40		
	2	37.0	4.0	4.0	4.0	4.0	4.0	4.0	3.65	3.18	2.81	2.50		
50m	4	20.0	8.0	8.0	8.0	6.27	5.11	4.29	3.67	3.19	2.80			
	2	38.0	4.0	4.0	4.0	4.0	4.0	4.0	3.77	3.29	2.90			
45m	4	21.6	8.0	8.0	8.0	6.82	5.58	4.69	4.02	3.50				
	2	41.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.60				
40m	4	21.5	8.0	8.0	8.0	6.75	5.49	4.58	3.90					
	2	40.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0					
35m	4	22.0	8.0	8.0	8.0	6.97	5.70	4.80						
	2	35.0	4.0	4.0	4.0	4.0	4.0	4.0						
30m	4	22.0	8.0	8.0	8.0	6.97	5.70							
	2	30.0	4.0	4.0	4.0	4.0	4.0							

Mechanisms 8/10t

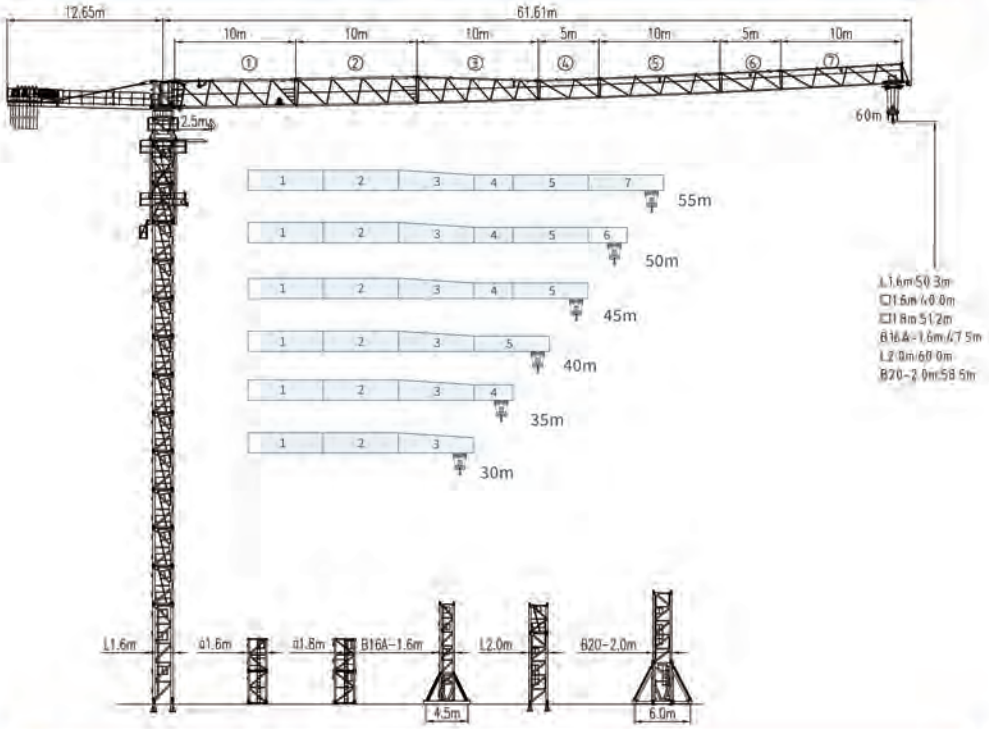
Name								Motor power
			m/min	t	m/min	t	m	kw
Hoisting	8t	30LFV20	0-80	2.0	0-20	8.0	400	30
	10t	45LFV25	0-80	2.5	0-20	10.0	500	45
Trolleying	4JXF4A		0-58m/min					4.0
Slewing	RVF5.5		0-0.6rpm					5.5x2
Travelling	B16A-1.6m:RT443		0-25m/min					5.2x2
Power	380v(±10%)/50Hz		30LFV20:45KW/45LFV25:60KW (Do not contain travelling mechanism)					

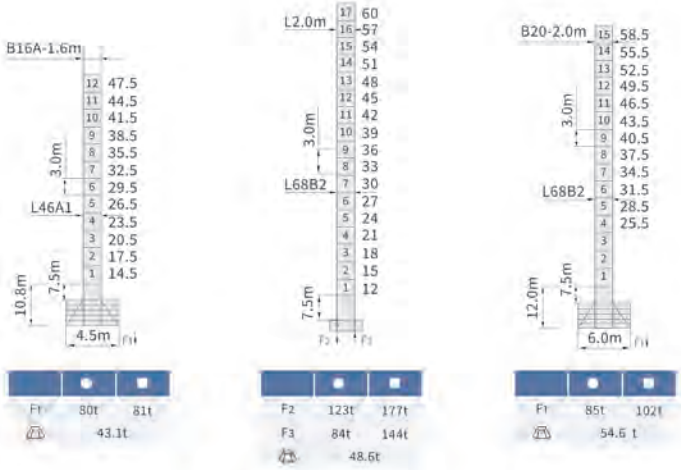
Counter weight

			PHZ2600	PHZ1000
65m	14.795m	17600KG	6	2
60m	14.795m	17600KG	6	2
55m	14.795m	16600KG	6	1
50m	14.795m	15600KG	6	/
45m	14.795m	15000KG	5	2
40m	14.795m	14000KG	5	1
35m	14.795m	12400KG	4	2
30m	14.795m	10400KG	4	/

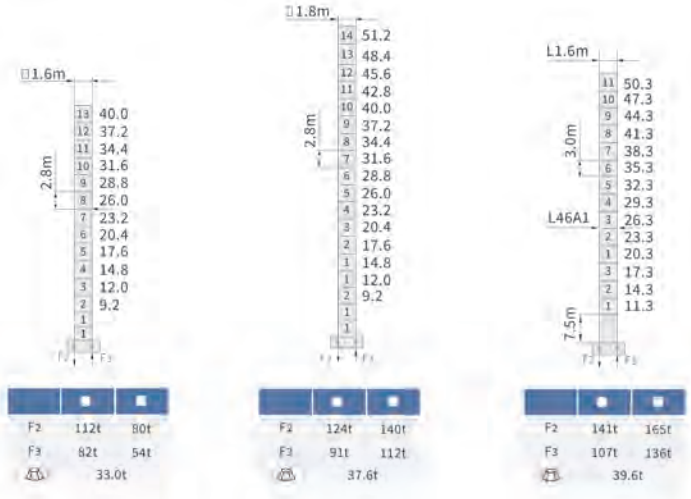
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Outline Dimensions

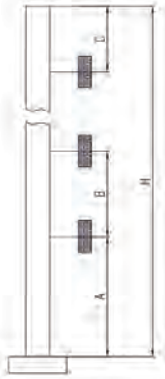




Masts



Anchorages



Mast	A	B	C	H
□1.6	35.0m	25.2m	32.2m	200m
□1.8	43.4m	30.8m	37.8m	200m
L46A1	42m	27m	34.5m	200m
L68B2	48m	33m	43.5m	249m

● In service Reaction ■ Out of service Reaction

Total weight of free standing crane(exlude (ounter weight & ballast)

Number of tie collors=(H-A-C)/B+1

Load Diagrams 10t

R	Fall	RC	C	15	20	25	30	35	40	45	50	55	60
60m	4	12.0	10.0	7.85	5.70	4.41	3.55	2.94	2.48	2.12	1.83	1.60	1.40
	2	22.8	5.0	5.0	5.0	4.51	3.65	3.04	2.58	2.22	1.93	1.70	1.50
55m	4	13.0	10.0	8.57	6.24	4.85	3.92	3.25	2.75	2.36	2.05	1.80	
	2	24.8	5.0	5.0	5.0	4.95	4.02	3.35	2.85	2.46	2.15	1.90	
50m	4	13.5	10.0	8.93	6.53	5.08	4.12	3.44	2.92	2.52	2.20		
	2	25.8	5.0	5.0	5.0	5.0	4.22	3.54	3.02	2.62	2.30		
45m	4	14.5	10.0	9.63	7.03	5.47	4.43	3.69	3.13	2.70			
	2	27.6	5.0	5.0	5.0	5.0	4.53	3.79	3.23	2.80			
40m	4	14.8	10.0	9.83	7.14	5.52	4.45	3.68	3.10				
	2	27.7	5.0	5.0	5.0	5.0	4.55	3.78	3.20				
35m	4	15.0	10.0	10.0	7.33	5.73	4.66	3.90					
	2	28.7	5.0	5.0	5.0	5.0	4.76	4.00					
30m	4	15.0	10.0	10.0	7.35	5.76	4.70						
	2	28.9	5.0	5.0	5.0	5.0	4.80						

Mechanisms 8/10t

Name							Motor power
			m/min	t	m/min	t	m	kw
Hoisting	8t	30LFV20	0-80	2.0	0-20	8.0	400	30
	10t	45LFV25	0-80	2.5	0-20	10.0	500	45
Trolleying	8t	BP4033X	0-40m/min					3.3
	10t	4JXF4A	0-58m/min					4.0
Slewing	RVF4		0-0.6rpm					4.0x2
Travelling	B16A-1.6m:RT443		0-25m/min					5.2x2
Power	380v(±10%)/50Hz		30LFV20:41.3KW/45LFV25:57KW (Do not contain travelling mechanism)					

Load Diagrams 8t

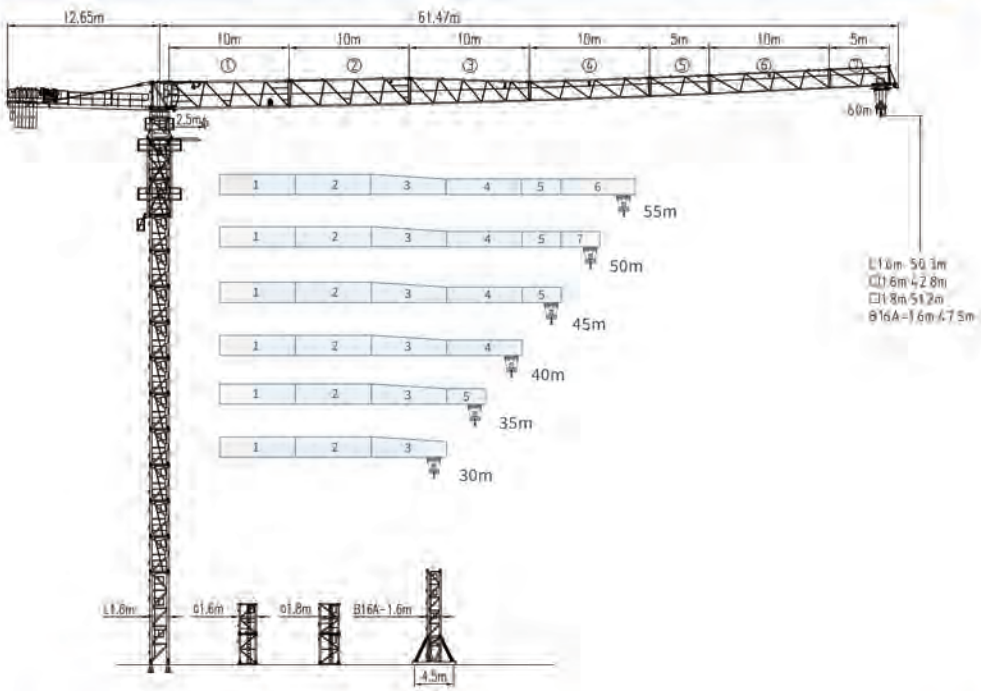
R	Fall	RC	C	15	20	25	30	35	40	45	50	55	60
60m	4	15.4	8.0	8.0	5.95	4.59	3.68	3.03	2.54	2.16	1.86	1.61	1.40
	2	28.6	4.0	4.0	4.0	4.0	3.78	3.13	2.64	2.26	1.96	1.71	1.50
55m	4	16.5	8.0	8.0	6.83	5.23	4.01	3.32	2.80	2.39	2.07	1.80	
	2	30.7	4.0	4.0	4.0	4.0	4.0	3.42	2.90	2.49	2.17	1.90	
50m	4	17.5	8.0	8.0	6.88	5.32	4.28	3.54	2.98	2.55	2.20		
	2	32.3	4.0	4.0	4.0	4.0	4.0	3.64	3.08	2.65	2.30		
45m	4	18.5	8.0	8.0	7.24	5.60	4.51	3.74	3.15	2.70			
	2	35.1	4.0	4.0	4.0	4.0	4.0	3.84	3.25	2.80			
40m	4	18.7	8.0	8.0	7.38	5.67	4.53	3.74	3.15				
	2	35.1	4.0	4.0	4.0	4.0	4.0	3.84	3.25				
35m	4	19.0	8.0	8.0	7.55	5.85	4.71	3.90					
	2	35.0	4.0	4.0	4.0	4.0	4.0	4.0					
30m	4	18.5	8.0	8.0	7.55	5.85	4.71						
	2	30.0	4.0	4.0	4.0	4.0	4.0						

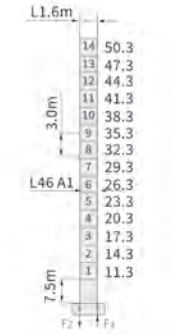
Counter weight

			PHZ2600	PHZ1800	PHZ1000
60m	12.65m	18400KG	6	1	1
55m	12.65m	17400KG	6	1	/
50m	12.65m	16600KG	6	/	1
45m	12.65m	15800KG	5	1	1
40m	12.65m	14800KG	5	1	/
35m	12.65m	13200KG	4	1	1
30m	12.65m	12200KG	4	1	/

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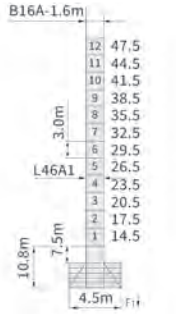
Outline Dimensions





	●	■
F2	135t	163t
F3	103t	135t

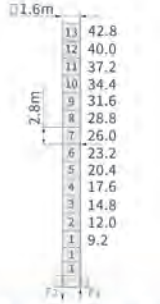
38.4t



	●	■
F1	78t	81t

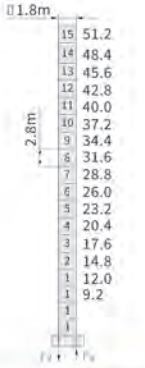
41.9t

Masts



	●	■
F2	115t	93t
F3	84t	66t

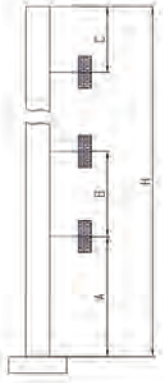
35.4t



	●	■
F2	118t	138t
F3	87t	110t

37.2t

Anchorages



Mast	A	B	C	H
□1.6	35.0m	25.2m	32.2m	200m
□1.8	43.4m	30.8m	37.8m	200m
L46A1	42m	27m	34.5m	200m

● in service Reaction ■ Out of service Reaction

Total weight of free standing crane(exlude (ounter weight & ballast)

Number of tie collors=(H-A-C)/B+1

Load Diagrams 8t

R	Fall	RC	C	15	20	25	30	35	40	45	50	55	60
60m		14.0	8.0	7.41	5.35	4.11	3.29	2.70	2.26	1.92	1.64	1.42	1.23
		26.0	4.0	4.0	4.0	4.0	3.36	2.77	2.33	1.99	1.71	1.49	1.30
55m		15.4	8.0	8.0	5.96	4.60	3.69	3.04	2.56	2.18	1.88	1.63	
		28.5	4.0	4.0	4.0	4.0	3.76	3.11	2.63	2.25	1.95	1.70	
50m		15.5	8.0	8.0	6.02	4.65	3.75	3.10	2.61	2.23	1.93		
		28.8	4.0	4.0	4.0	4.0	3.82	3.17	2.68	2.30	2.0		
45m		15.7	8.0	8.0	6.09	4.70	3.77	3.11	2.62	2.23			
		29.0	4.0	4.0	4.0	4.0	3.84	3.18	2.69	2.30			
40m		15.7	8.0	8.0	8.0	4.71	3.78	3.12	2.63				
		29.0	4.0	4.0	4.0	4.0	3.85	3.19	2.70				
35m		16.0	8.0	8.0	6.21	4.77	3.81	3.13					
		29.0	4.0	4.0	4.0	4.0	3.86	3.20					
30m		16.0	8.0	8.0	6.21	4.78	3.83						
		29.0	4.0	4.0	4.0	4.0	3.9						

Mechanisms 6/8t

Name				m/min	t	m/min	t	m	Motor power kw
Hoisting	6t	D22PFC15		0-70	1.5	0-17.5	6.0	400	22
	8t	30LFV20		0-80	2.0	0-20	8.0		30
Trolleying	6t	BP4030X		0-40m/min					3.0
	8t	BP4033X		0-40m/min					3.3
Slewing	RVF4			0-0.6rpm					4.0x2
Travelling	B16A-1.6m:RT443			0-25m/min					5.2x2
Power	380v(±10%)/50Hz			D22PFC15:33KW/30LFV20:41.3KW (Do not contain travelling mechanism)					

Load Diagrams 6t

R	Fall	RC	C	15	20	25	30	35	40	45	50	55	60
60m		18.0	6.0	6.0	5.35	4.11	3.29	2.70	2.26	1.92	1.64	1.42	1.23
		33.0	3.0	3.0	3.0	3.0	3.0	2.77	2.33	1.99	1.71	1.49	1.30
55m		19.8	6.0	6.0	5.96	4.60	3.69	3.04	2.56	2.18	1.88	1.63	
		36.0	3.0	3.0	3.0	3.0	3.0	3.0	2.63	2.25	1.95	1.70	
50m		20.0	6.0	6.0	6.0	4.65	3.75	3.10	2.61	2.23	1.93		
		36.5	3.0	3.0	3.0	3.0	3.0	3.0	2.68	2.30	2.0		
45m		20.3	6.0	6.0	6.0	4.70	3.77	3.11	2.62	2.23			
		36.7	3.0	3.0	3.0	3.0	3.0	3.0	2.69	2.30			
40m		20.4	6.0	6.0	6.0	4.71	3.78	3.12	2.63				
		36.8	3.0	3.0	3.0	3.0	3.0	3.0	2.70				
35m		20.6	6.0	6.0	6.0	4.77	3.81	3.13					
		35.0	3.0	3.0	3.0	3.0	3.0	3.0					
30m		20.7	6.0	6.0	6.0	4.78	3.83						
		30.0	3.0	3.0	3.0	3.0	3.0						

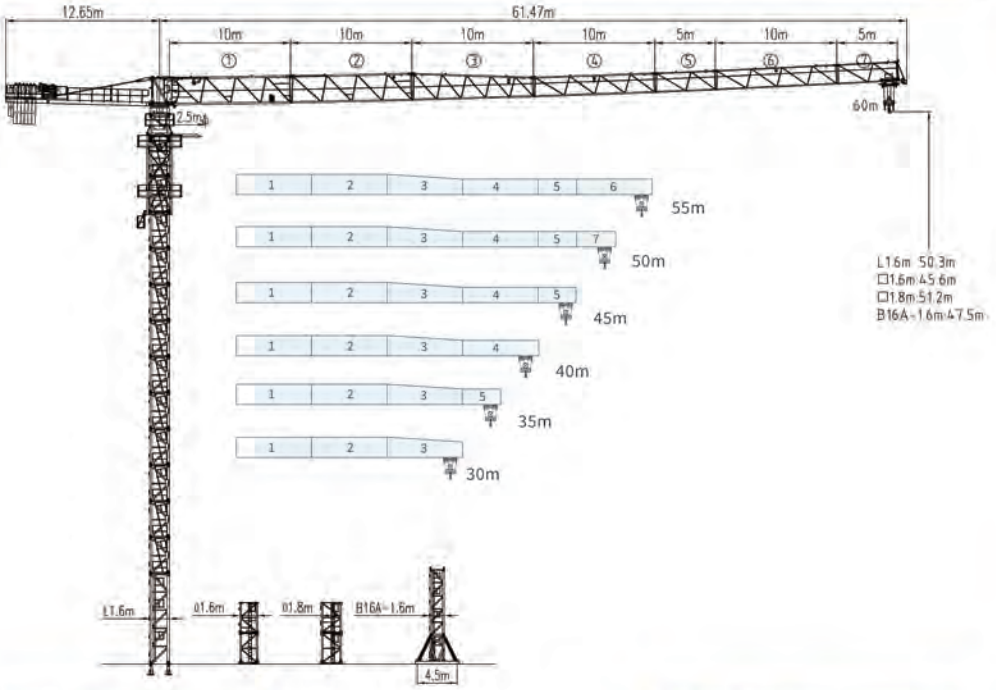
Counter weight

			PHZ2600	PHZ1000
60m	12.65m	17600KG	6	2
55m	12.65m	16600KG	6	1
50m	12.65m	15600KG	6	/
45m	12.65m	14000KG	5	1
40m	12.65m	13000KG	5	/
35m	12.65m	11400KG	4	1
30m	12.65m	10400KG	4	/

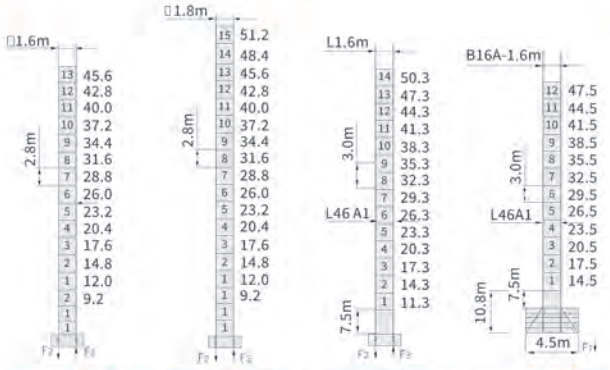
QTZ80
H6012A2

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Outline Dimensions



Masts



	●	■
F2	65t	94t
F3	100t	126t
	34.4t	

	●	■
F2	118t	138t
F3	87t	110t
	37.9t	

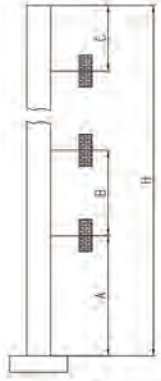
	●	■
F2	130t	159t
F3	103t	132t
	37.4t	

	●	■
F1	77t	80t
	41.2t	

● in service Reaction ■ Out of service Reaction

Total weight of free standing crane(exlude (ounter weight & ballast)

Anchorages



Mast	A	B	C	H
□1.6	37.8m	28.0m	35.0m	200m
□1.8	43.4m	33.6m	37.8m	200m
L46A1	42m	27m	34.5m	200m

Number of tie collors=(H-A-C)/B+1

Load Diagrams 6t

R	Fall	RC	C	20	25	30	35	40	45	50	55	60
60m	⁘	16.5	6.0	4.82	3.71	2.98	2.45	2.05	1.75	1.50	1.30	1.13
	⁖	30.4	3.0	3.0	3.0	3.0	2.52	2.12	1.82	1.57	1.37	1.20
55m	⁘	18.8	6.0	5.32	4.10	3.28	2.70	2.26	1.92	1.65	1.43	
	⁖	32.8	3.0	3.0	3.0	3.0	2.77	2.33	1.99	1.72	1.50	
50m	⁘	18.8	6.0	6.0	4.21	3.39	2.79	2.35	2.01	1.73		
	⁖	33.6	3.0	3.0	3.0	3.0	2.86	2.42	2.08	1.80		
45m	⁘	18.9	6.0	5.52	4.26	3.43	2.83	2.38	2.03			
	⁖	34.0	3.0	3.0	3.0	3.0	2.90	2.45	2.10			
40m	⁘	18.9	6.0	5.52	4.26	3.43	2.83	2.38				
	⁖	28.6	3.0	3.0	3.0	3.0	2.90	2.45				
35m	⁘	19.5	6.0	5.82	4.47	3.57	2.93					
	⁖	29.6	3.0	3.0	3.0	3.0	3.0					
30m	⁘	19.5	6.0	5.83	4.51	3.63						
	⁖	30	3.0	3.0	3.0	3.0						

Mechanisms 6/8t

Name			m/min	t	m/min	t	m	Motor power kw
Hoisting	6t	D22PFC15	0-70	1.5	0-17.5	6.0	400	22
	8t	30LFV20	0-80	2.0	0-20	8.0		30
Trolleying	6t	BP4030X	0-40m/min					3.0
	8t	BP4033X	0-40m/min					3.3
Slewing	RVF4		0-0.6rpm					4.0x2
Travelling	B16A-1.6m:RT443		0-25m/min					5.2x2
Power	380v(±10%)/50Hz		D22PFC15:33KW / 30LFV20:41.3KW (Do not contain travelling mechanism)					

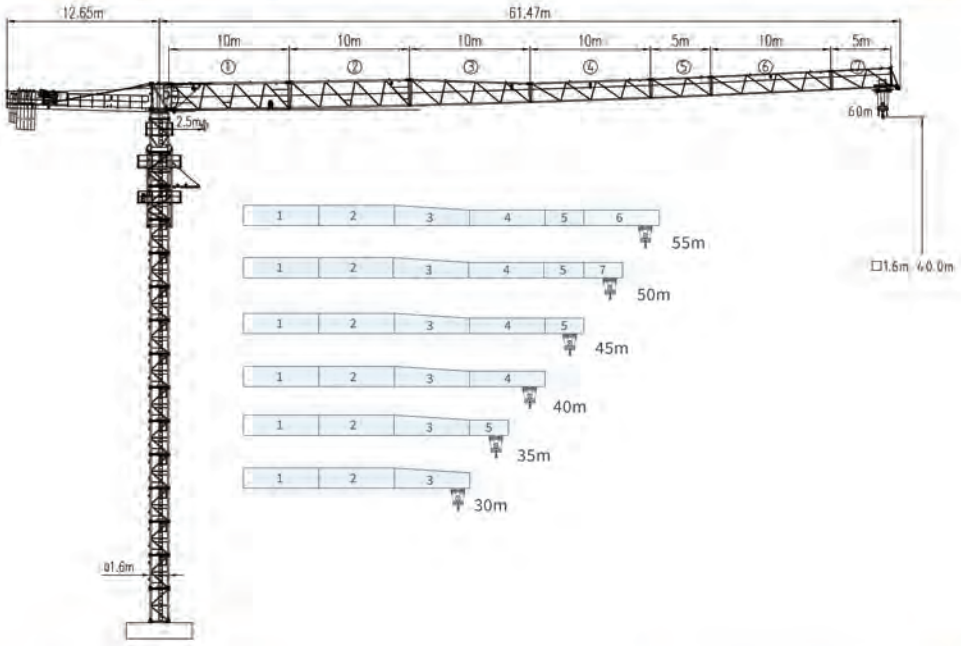
Counter weight

			PHZ2600	PHZ1300
60m	12.65m	16900KG	5	3
55m	12.65m	15600KG	5	2
50m	12.65m	15600KG	5	2
45m	12.65m	14300KG	5	1
40m	12.65m	13000KG	5	/
35m	12.65m	11700KG	4	1
30m	12.65m	10400KG	4	/

QTZ80
H6010A2

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Outline Dimensions



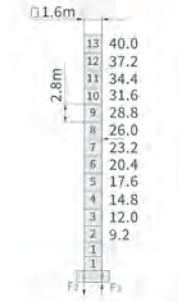
Load Diagrams 6t

R	Fall	RC	C	20	25	30	35	40	45	50	55	60
60m	4	14.5	6.0	4.18	3.21	2.56	2.10	1.76	1.49	1.27	1.10	0.95
	2	26.5	3.0	3.0	3.0	2.61	2.15	1.81	1.54	1.32	1.15	1.0
55m	4	15.0	6.0	4.34	3.34	2.67	2.19	1.84	1.56	1.33	1.15	
	2	27.5	3.0	3.0	3.0	2.72	2.24	1.89	1.61	1.38	1.20	
50m	4	16.0	6.0	4.66	3.59	2.88	2.37	1.99	1.69	1.45		
	2	29.5	3.0	3.0	3.0	2.93	2.42	2.04	1.74	1.50		
45m	4	16.5	6.0	4.82	3.72	2.98	2.46	2.06	1.75			
	2	30.0	3.0	3.0	3.0	3.0	2.51	2.11	1.80			
40m	4	17.2	6.0	5.05	3.89	3.12	2.57	2.15				
	2	31.5	3.0	3.0	3.0	3.0	2.62	2.20				
35m	4	18.0	6.0	5.31	4.07	3.24	2.65					
	2	32.0	3.0	3.0	3.0	3.0	2.70					
30m	4	18.5	6.0	5.46	4.16	3.30						
	2	30.0	3.0	3.0	3.0	3.0						

Mechanisms 6t

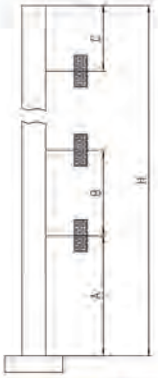
Name							Motor power
		m/min	t	m/min	t	m	kw
Hoisting	D22PFC15	0-70	1.5	0-17.5	6.0	400	22
Trolleying	BP4030X	0-40m/min					3.0
Slewing	RVF4	0-0.6rpm					4.0x2
Travelling	B16A-1.6m:RT443	0-25m/min					5.2x2
Power	380v (±10%) /50Hz	D22PFC15:33KW (Do not contain travelling mechanism)					

Masts



	●	■
F2	89t	96t
F3	65t	72t
	31.6t	

Anchorages



Mast	A	B	C	H
□1.6	32.2m	28.0m	32.2m	200m

● in service Reaction ■ Out of service Reaction

Total weight of free standing crane(exlude (ounter weight & ballast)

Number of tie collors=(H-A-C)/B+1

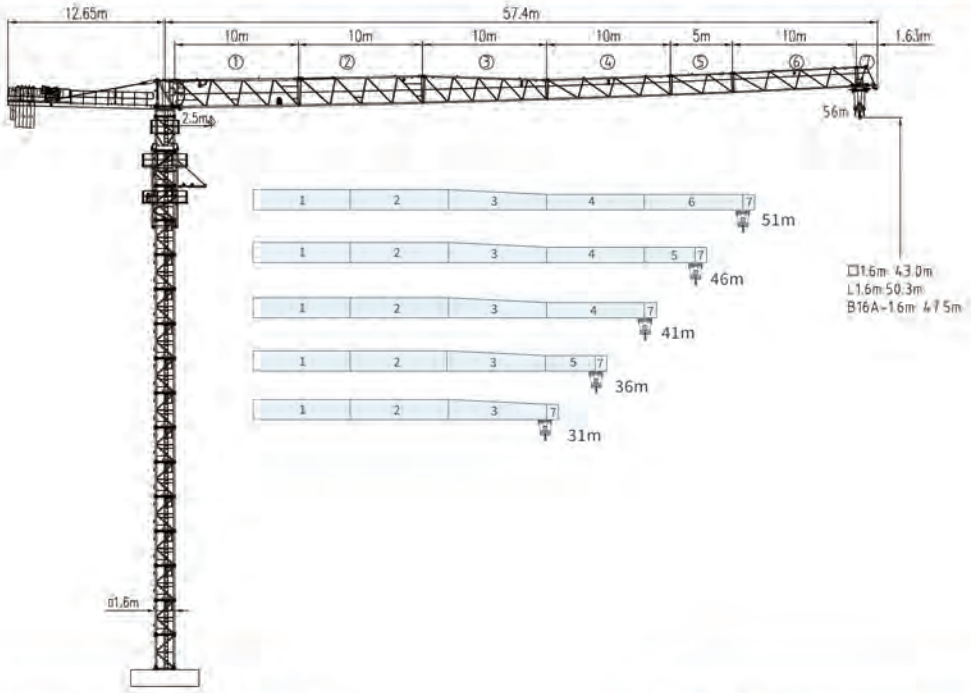
Counter weight

			PHZ2600	PHZ1000
60m	12.65m	16000KG	5	3
55m	12.65m	15000KG	5	2
50m	12.65m	14000KG	5	1
45m	12.65m	13000KG	5	/
40m	12.65m	11400KG	4	1
35m	12.65m	10400KG	4	/
30m	12.65m	9800KG	3	2

QTZ80
H5613A2

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Outline Dimensions



Load Diagrams 6t

R	Fall	RC	C	20	25	31	36	41	46	51	55	56
56m	4	16.0	6.0	4.66	3.60	2.77	2.29	1.93	1.64	1.42	1.26	1.23
	2	29.5	3.0	3.0	3.0	3.0	2.36	2.00	1.71	1.49	1.33	1.30
51m	4	17.0	6.0	4.99	3.86	2.97	2.46	2.08	1.78	1.53		
	2	31.5	3.0	3.0	3.0	3.0	2.53	2.15	1.85	1.60		
46m	4	17.5	6.0	5.16	3.98	3.07	2.54	2.15	1.83			
	2	32.0	3.0	3.0	3.0	3.0	2.61	2.22	1.90			
41m	4	17.5	6.0	5.16	3.98	3.07	2.54	2.15				
	2	32.0	3.0	3.0	3.0	3.0	2.61	2.22				
36m	4	18.4	6.0	5.44	4.18	3.20	2.63					
	2	33.0	3.0	3.0	3.0	3.0	2.70					
31m	4	18.7	6.0	5.53	4.24	3.23						
	2	31.0	3.0	3.0	3.0	3.0						

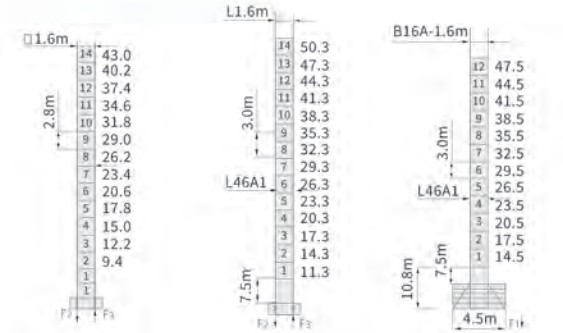
Mechanisms 6t

Name						Motor power
		m/min	t	m/min	t	kw
Hoisting	D22PFC15	0-70	1.5	0-17.5	6.0	22
Trolleying	BP4030X	0-40m/min				3.0
Slewing	RVF4	0-0.6rpm				4.0x2
Travelling	B16A-1.6m:RT443	0-25m/min				5.2x2
Power	380v (±10%) /50Hz	D22PFC15:33KW (Do not contain travelling mechanism)				

Counter weight

			PHZ2600	PHZ1000
56m	12.65m	15000KG	5	2
51m	12.65m	14000KG	5	1
46m	12.65m	13000KG	5	/
41m	12.65m	11400KG	4	1
36m	12.65m	10400KG	4	/
31m	12.65m	9800KG	3	2

Masts

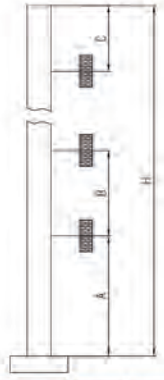


	●	■
F2	103t	106t
F3	77t	82t
	33.6t	

	●	■
F2	137t	162t
F3	105t	136t
	37.8t	

	●	■
F1	77t	80t
	41.3t	

Anchorages



Mast	A	B	C	H
□1.6	35.0m	28.0m	32.2m	200m
L46A1	42m	27m	34.5m	200m

● in service Reaction ■ Out of service Reaction

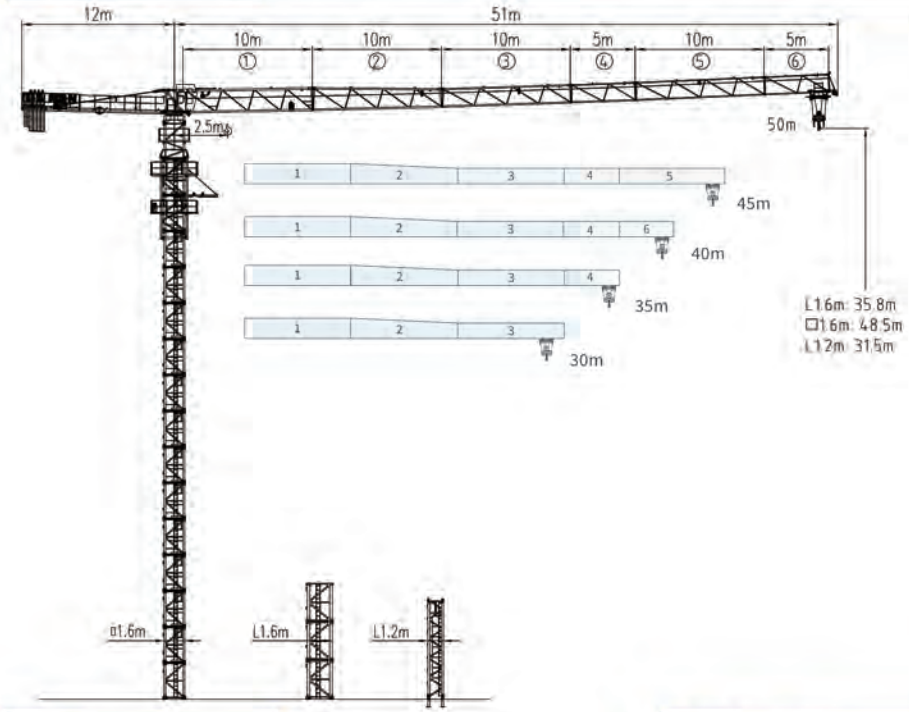
Total weight of free standing crane(exlude (ounter weight & ballast)

Number of tie collors=(H-A-C)/B+1

QTZ63
H5013A

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Outline Dimensions



Load Diagrams 6t

R	Fall	RC	C	20	25	30	35	40	45	50
50m	4	14.8	6.0	4.21	3.20	2.54	2.07	1.72	1.45	1.24
	2	26.8	3.0	3.0	3.0	2.60	2.13	1.78	1.51	1.30
45m	4	15.1	6.0	4.31	3.28	2.61	2.13	1.77	1.50	
	2	27.3	3.0	3.0	3.0	2.67	2.19	1.83	1.56	
40m	4	15.3	6.0	4.36	3.32	2.64	2.16	1.80		
	2	27.6	3.0	3.0	3.0	2.70	2.22	1.86		
35m	4	15.5	6.0	4.43	3.38	2.69	2.20			
	2	27.8	3.0	3.0	3.0	2.75	2.26			
30m	4	15.1	6.0	4.38	3.34	2.60				
	2	27.3	3.0	3.0	3.0	2.66				

Load Diagrams 5t

R	Fall	RC	C	20	25	30	35	40	45	50
50m	4	17.3	5.0	4.21	3.20	2.54	2.07	1.72	1.45	1.24
	2	31.0	2.50	2.50	2.50	2.50	2.13	1.78	1.51	1.30
45m	4	17.6	5.0	4.31	3.28	2.61	2.13	1.77	1.50	
	2	31.6	2.50	2.50	2.50	2.50	2.19	1.83	1.56	
40m	4	17.8	5.0	4.36	3.32	2.64	2.16	1.80		
	2	31.9	2.50	2.50	2.50	2.50	2.22	1.86		
35m	4	18.1	5.0	4.43	3.38	2.69	2.20			
	2	32.4	2.50	2.50	2.50	2.50	2.26			
30m	4	17.9	5.0	4.38	3.34	2.66				
	2	30.0	2.50	2.50	2.50	2.50				

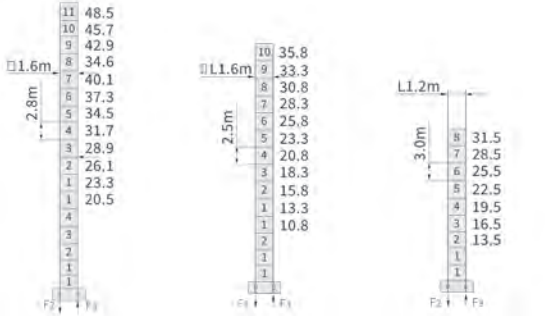
Mechanisms 5/6t

Name			m/min	t	m/min	t	m	Motor power kw
Hoisting	5t	18.5LFV12.5	0-62	1.25	0-15.5	5.0	250	18.5
	6t	D22PFC15	0-70	1.5	0-17.5	6.0	400	22
Trolleying	BP4030X				0-40m/min			3.0
Slewing	RVF5.5				0-0.6rpm			5.5
Power	380v(±10%)/50Hz				18.5LFV12.5:27kw/D22PFC15:30.5KW			

Counter weight

			PHZ2600	PHZ1000
50m	11.80m	12400KG	4	2
45m	11.80m	11400KG	4	1
40m	11.80m	10400KG	4	/
35m	11.80m	9800KG	3	2
30m	11.80m	8800KG	3	1

Masts



	●	■
F2	67t	114t
F3	89t	134t
⏢	33.6t	

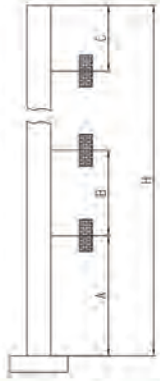
	●	■
F2	59t	107t
F3	89t	87t
⏢	27.4t	

	●	■
F2	80t	103t
F3	62t	87t
⏢	22.2t	

● in service Reaction ■ Out of service Reaction

⏢ Total weight of free standing crane(exlude (ounter weight & ballast)

Anchorages



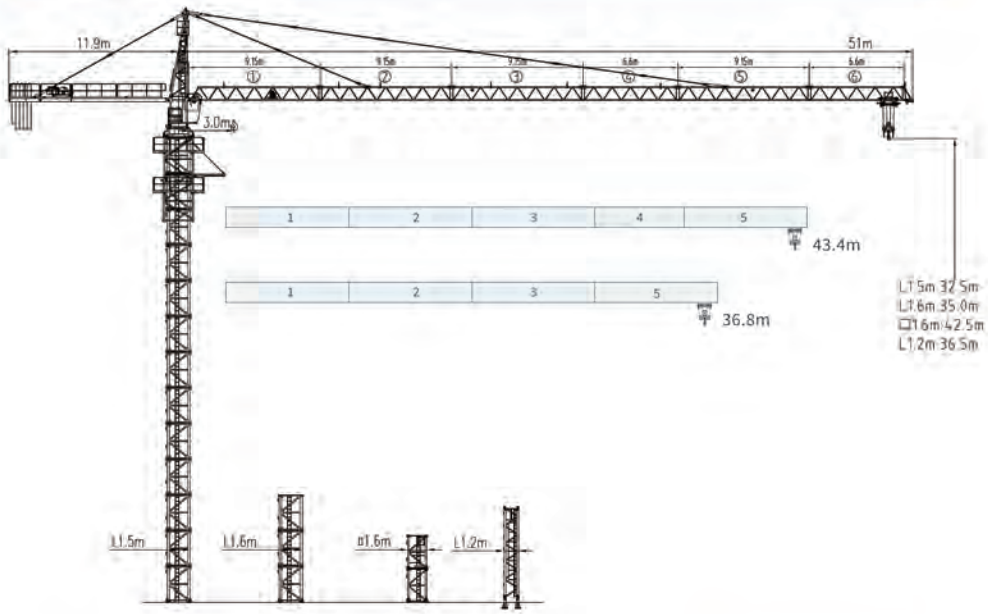
Mast	A	B	C	H
□1.6	40.6m	22.4m	29.4m	150m
L1.6	28.75m	17.5m	23.75m	140.8m
L1.2	25.5m	15.0m	21.0m	120m

Number of tie collors=(H-A-C)/B+1

QTZ63
TC5013

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Outline Dimensions



Load Diagrams 6t

R	Fall	RC	C	15	20	25	30	35	36.8	40	43.4	45	50
50m	4	13.8	6.0	5.48	3.94	3.03	2.43	2.0	1.87	1.69	1.51	1.44	1.25
	2	25.5	3.0	3.0	3.0	3.0	2.47	2.06	1.92	1.74	1.56	1.49	1.30
43.4m	4	14.5	6.0	5.79	4.16	3.21	2.58	2.13	2.0	1.80	1.62		
	2	26.8	3.0	2.5	3.0	3.0	2.5	2.18	2.05	1.85	1.67		
36.8m	4	14.5	6.0	5.79	4.16	3.21	2.58	2.13	2.0				
	2	26.8	3.0	3.0	3.0	3.0	2.5	2.18	2.05				

Load Diagrams 5t

R	Fall	RC	C	15	20	25	30	35	36.8	40	43.4	45	50
50m	4	16.2	5.0	5.0	3.91	3.01	2.42	2.0	1.87	1.69	1.51	1.44	1.25
	2	29.5	2.5	2.5	2.5	2.5	2.47	2.04	1.92	1.73	1.56	1.49	1.30
43.4m	4	17.0	5.0	5.0	4.14	3.20	2.57	2.13	2.0	1.80	1.62		
	2	31.2	2.5	2.5	2.5	2.5	2.5	2.17	2.04	1.84	1.67		
36.8m	4	17.0	5.0	5.0	4.14	3.20	2.57	2.13	2.01				
	2	31.2	2.5	2.5	2.5	2.5	2.5	2.17	2.05				

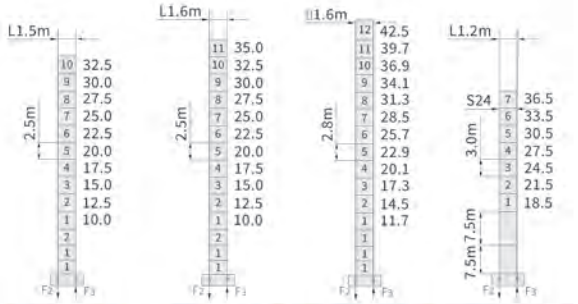
Mechanisms 5t

Name							Motor power
			m/min	t	m/min	t	m	kw
Hoisting	5t	18JLD13	62	1.25	15.5	5.0	250	18/18/5
	6t	24JLD15	80	1.5	20	6.0	400	24/24/5.4
Trolleying	5t	2JXD1				40/20		2.4/1.5
	6t	3JXD1				40/20		3.3/2.2
Slewing	RVF5.5					0-0.6rpm		5.5
Power	380v (±10%) /50Hz					18JLD13:25.9KW/24JLD15:32.8kw		

Counter weight

			PHZ2350	PHZ1200
50m	11.9m	10600KG	4	1
43.4m	11.9m	9400KG	4	/
36.8m	11.9m	8250KG	3	1

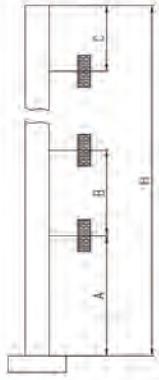
Masts



● in service Reaction ■ Out of service Reaction

Total weight of free standing crane(exlude (ounter weight & ballast)

Anchorages



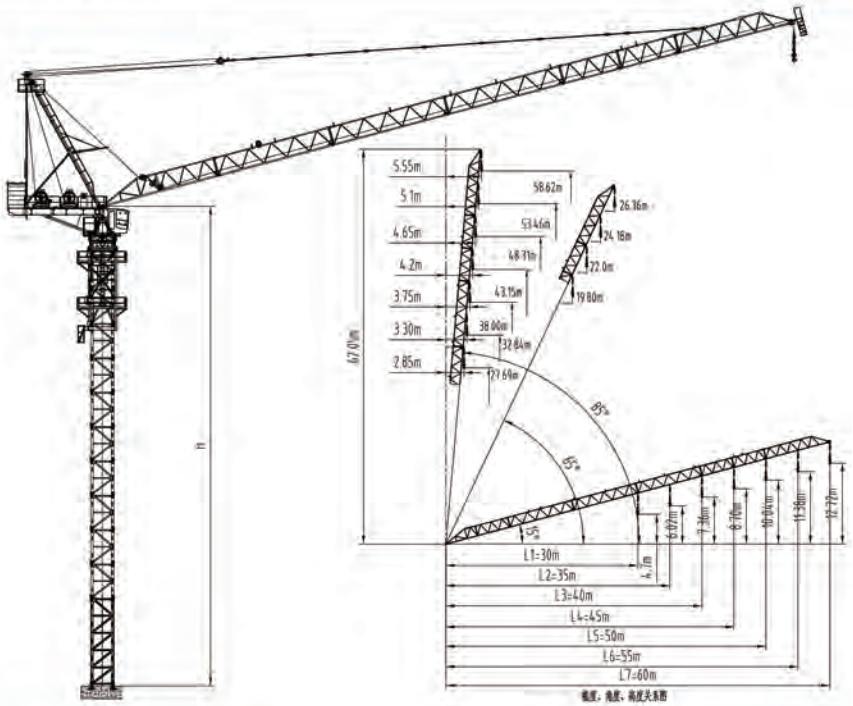
Mast	A	B	C	H
L1.5	26.3m	17.5m	26.25m	140m
L1.6	28.8m	17.5m	26.25m	140m
□1.6	35.0m	22.4m	26.6m	150m
S24	28.5m	15.0m	19.5m	104m

Number of tie collors=(H-A-C)/B+1

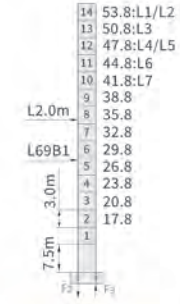
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Outline Dimensions

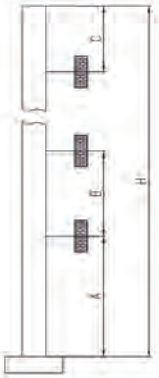


Masts



	●	■
F2	177t	350t
F3	124t	300t
	73t	

Anchorages



Mast	A	B	C	H
L69B1	30.0m	21.0m	25.5m	211m

● In service Reaction ■ Out of service Reaction

Total weight of free standing crane(exlude (ounter weight & ballast)

Number of tie collors=(H-A-C)/B+1

Load Diagrams

R	Fall	RC	C	25	30	35	40	45	50	55	60
60m	4 4	32.5	9.0	9.0	9.0	8.10	6.61	5.47	4.56	3.82	3.20
55m	4 4	24.1	13.5	12.87	10.03	8.01	6.50	5.23	4.37	3.60	
	2 2	30.0	9.0	9.0	9.0	8.48	6.90	5.68	4.70	3.90	
50m	4 4	20.4	18.0	13.51	10.92	8.59	7.16	5.90	4.90		
	4 2	25.0	13.5	13.5	10.92	8.59	7.16	5.90	4.90		
	2 2	35.0	9.0	9.0	9.0	9.0	7.53	6.23	5.20		
45m	4 4	20.8	18.0	14.28	11.21	8.59	7.38	6.10			
	4 2	25.0	13.5	13.5	11.21	8.59	7.38	6.10			
	2 2	35.0	9.0	9.0	9.0	9.0	7.72	6.40			
40m	4 4	21.0	18.0	14.46	11.37	9.16	7.50				
	4 2	25.0	13.5	13.5	11.37	9.161	7.50				
	2 2	35.0	9.0	7.0	7.0	7.0	7.80				
35m	4 4	21.2	18.0	14.53	11.45	9.30					
	4 2	25.0	13.5	13.5	11.45	9.30					
	2 2	35	9.0	9.0	9.0	9.0					
30m	4 4	21.4	18.0	14.73	12						
	4 2	25.0	13.5	13.5	12						
	2 2	30.0	9.0	9.0	9.0						

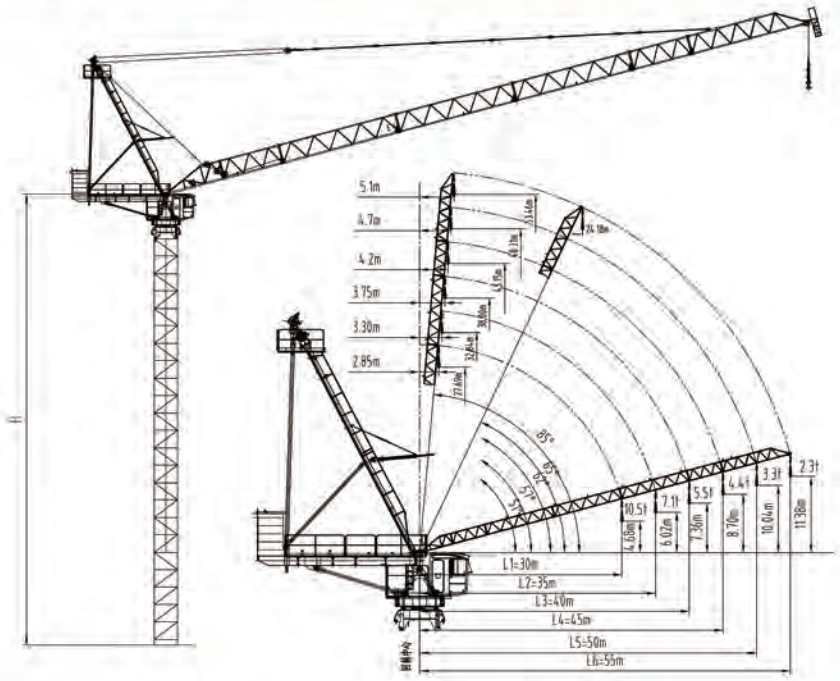
Mechanisms

Name		↕ m/min	↕ t	⇄ m/min	⇄ t	⟲ m	Motor power kw
Hoisting	67JLF45	0-84	3.2	0-17	18.0	550	67
luffing	55VVF45			≤3.0min			55
Slewing	RVF11			0-0.6rpm			11x2
Power	380v(±10%)/50Hz			144kw			

CTL220
5523

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Outline Dimensions



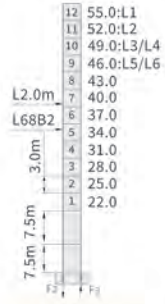
Load Diagrams

R	Fall	RC	C	15	20	25	30	35	40	45	50	55
55m	4	24.2	10.5	10.5	10.0	5.0	7.64	5.80	4.57	3.56	2.76	2.10
	2	32.1	7.0	7.5	7.5	7.5	7.5	6.0	4.77	3.76	2.96	2.30
50m	4	20.4	14.0	14.0	14.0	10.6	8.11	6.32	4.98	3.93	3.10	
	2	25.2	10.5	10.5	10.5	10.5	8.11	6.32	4.98	3.93	3.10	
	2	33.5	7.0	7.0	7.0	7.0	7.0	6.52	5.18	5.13	3.30	
45m	4	20.7	14.0	14.0	14.0	10.97	8.39	6.60	5.25	4.20		
	2	25.7	10.5	10.5	10.5	10.5	8.39	6.60	5.25	4.20		
	2	34.3	7.0	7.0	7.0	7.0	7.0	6.80	5.45	4.40		
40m	4	20.9	14.0	14.0	14.0	11.11	8.47	6.67	5.30			
	2	25.9	10.5	10.5	10.5	10.5	8.47	6.67	5.30			
	2	34.5	7.0	7.0	7.0	7.0	7.0	6.87	5.50			
35m	4	21.5	14.0	14.0	14.0	11.55	8.92	7.10				
	2	26.7	10.5	10.5	10.5	10.5	8.92	7.10				
	2	35	7.0	7.0	7.0	7.0	7.0	7.0				
30m	4	21.5	14.0	14.0	14.0	11.55	8.92					
	2	26.7	10.5	10.5	10.5	10.5	8.92					
	2	30.0	7.0	7.0	7.0	7.0	7.0					

Mechanisms

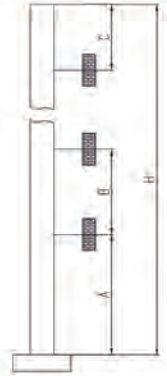
Name		m/min	t	m/min	t	m	Motor power kw
Hoisting	55LFV35	0-80	3.5	0-20	14.0	550	55
luffing	45VVF40			3.2min			45
Slewing	RVF5.5			0-0.6rpm			5.5x2
Power	380v (±10%) /50Hz				116.5kw		

Masts



	●	■
F2	148t	350t
F3	104t	308t
⚠	69t	

Anchorages



Mast	A	B	C	H
L68B2	34.5m	21.0m	22.5m	168m

● in service Reaction ■ Out of service Reaction

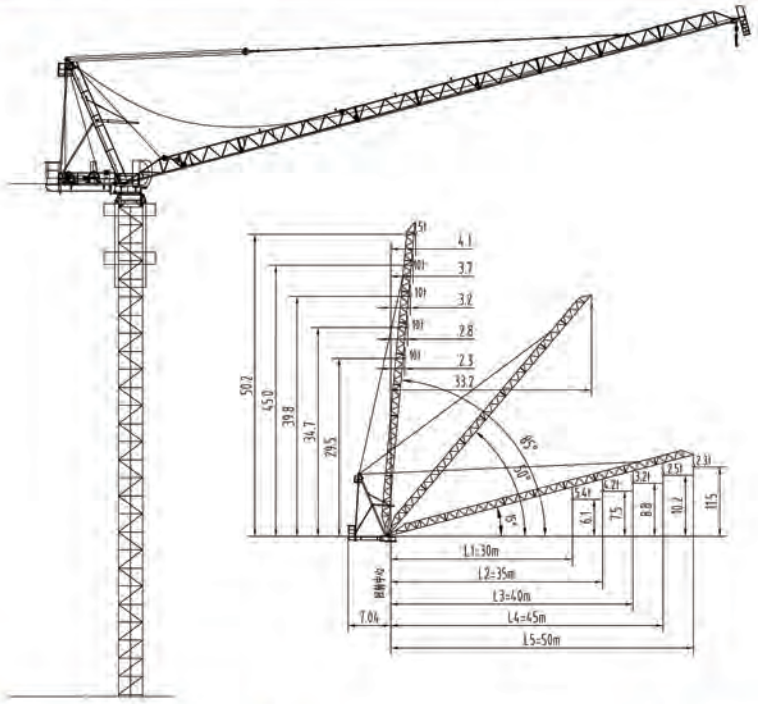
⚠ Total weight of free standing crane(exlude (ounter weight & ballast)

Number of tie collors=(H-A-C)/B+1

CTL180
5023

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Outline Dimensions



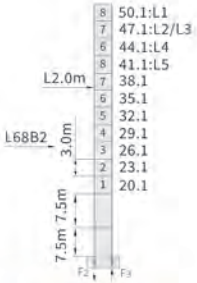
Load Diagrams

R	Fall	RC	C	15	20	25	30	35	40	45	50
50m	4	30.4	5.0	5.0	5.0	5.0	5.0	3.82	3.19	2.77	2.30
	3	30.4	5.0	5.0	5.0	5.0	5.0	4.04	4.11	2.77	2.30
	2	30.4	5.0	5.0	5.0	5.0	5.0	4.10	3.35	2.77	2.30
45m	4	18	10.0	10.0	8.86	6.62	5.17	4.15	3.36	2.75	
	3	22.7	7.50	7.50	7.50	6.62	5.17	4.15	3.36	2.75	
	2	31.35	5.0	5.0	5.0	5.0	5.0	4.25	3.46	2.85	
40m	4	18.5	10.0	10.0	9.09	6.86	5.38	4.3	3.50		
	3	23.3	7.50	7.50	7.50	6.86	5.38	4.30	3.50		
	2	32	5.0	5.0	5.0	5.0	5.0	4.40	3.60		
35m	4	19.2	10.0	10.0	9.39	7.06	5.51	4.40			
	3	23.9	7.5	7.5	7.50	7.06	5.51	4.40			
	2	32.6	5.0	5.0	5.0	5.0	5.0	4.50			
30m	4	19.5	10.0	10.0	10.0	7.33	5.70				
	3	24.5	7.50	7.50	7.50	7.33	5.70				
	2	30.0	5.0	5.0	5.0	5.0	5.0				

Mechanisms

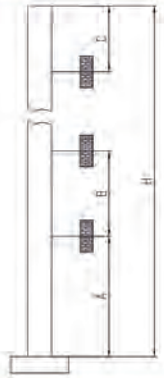
Name							Motor power
		m/min	t	m/min	t	m	kw
Hoisting	45LFV25	0-80	2.5	0-20	8.0	500	45
luffing	45VVF40	3.2min					45
Slewing	RVF5.5	0-0.6rpm					5.5x2
Power	380v(±10%)/50Hz	101kw					

Masts



	●	■
F2	132t	268t
F3	95t	234t
⚠	53t	

Anchorages



Mast	A	B	C	H
L68B2	37.5m	21.0m	22.5m	168m

● In service Reaction ■ Out of service Reaction

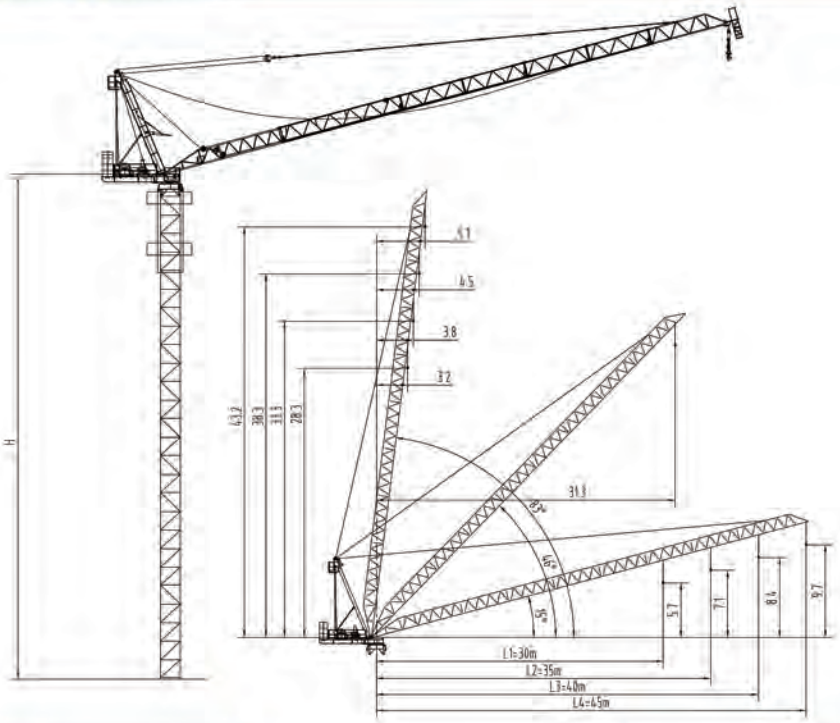
⚠ Total weight of free standing crane(exlude (ounter weight & ballast)

Number of tie collors=(H-A-C)/B+1

CTL115
4515

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Outline Dimensions



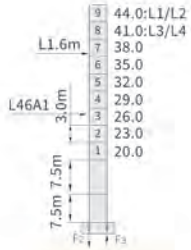
Load Diagrams

R	Fall	RC	C	5.1	20	25	30	35	40	45
45m	4	17.2	6.0	6.0	4.96	3.68	2.74	2.21	1.75	1.40
	2	29.0	3.0	3.0	3.0	3.0	2.93	2.32	1.86	1.50
R	Fall	RC	C	4.5	20	25	30	35	40	
40m	4	19.5	6.0	6.0	5.79	4.27	3.26	2.54	2.0	
	2	32.3	3.0	3.0	3.0	3.0	3.0	2.64	2.1	
R	Fall	RC	C	3.8	20	25	30	35		
35m	4	20.2	6.0	6.0	6.0	4.49	3.44	2.70		
	2	33.5	3.0	6.0	3.0	3.0	3.0	2.80		
R	Fall	RC	C	3.2	20	25	30			
30m	4	20.5	6.0	6.0	6.0	4.60	3.54			
	2	30	3.0	6.0	3.0	3.0	3.0			

Mechanisms

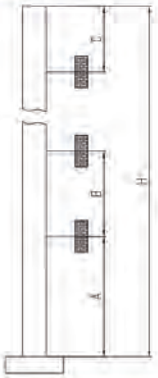
Name		4 m/min	4 t	2 m/min	2 t	m	Motor power kw
Hoisting	QL22-15A	0-70	1.5	0-14	6.0	300	22
luffing	LL22-14A	3.2m/min					22
Slewing	RVF4	0-0.6rpm					4.0x2
Power	380v (±10%) /50Hz	48kw					

Masts



	●	■
F2	86t	183t
F3	63t	161t
35t		

Anchorages



Mast	A	B	C	H
L46A1	28.5m	18.0m	28.5m	102m

● In service Reaction ■ Out of service Reaction

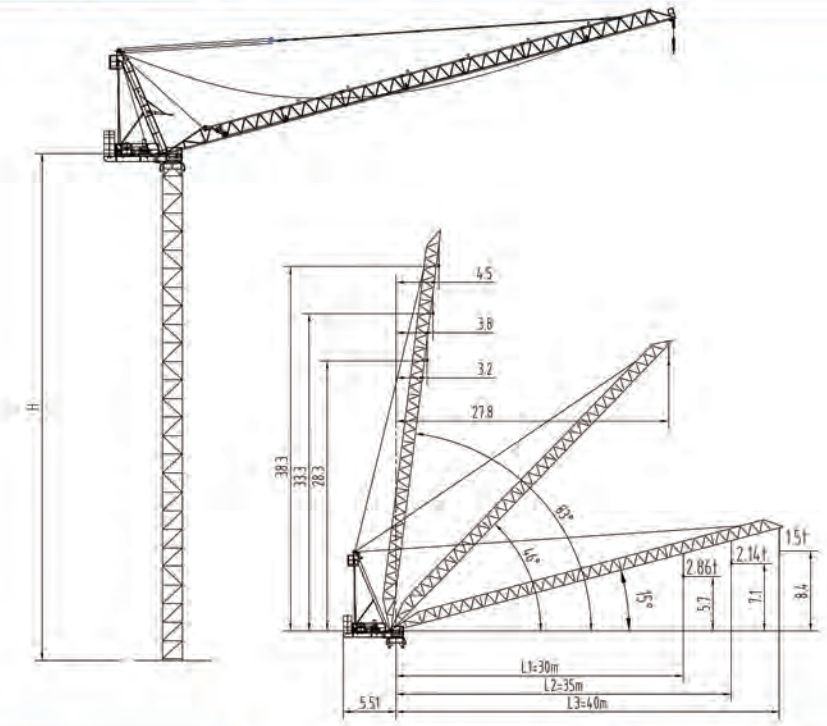
Total weight of free standing crane(exlude (ounter weight & ballast)

Number of tie collors=(H-A-C)/B+1

CTL110
4015

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Outline Dimensions



Load Diagrams

R	Fall	RC	C	4.8	18	20	22	24	25	27.1	30	32	34	36	38	40
40m	4	16.5	6.0	6.0	5.69	4.67	4.08	3.59	3.38	3.0	2.46	2.19	1.96	1.75	1.56	1.4
	2	27.1	3.0	6.0	3.0	3.0	3.0	3.0	3.0	3.1	2.56	2.29	2.06	1.85	1.66	1.5

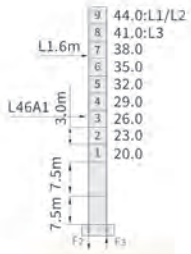
R	Fall	RC	C	4.2	18	20	22	24	25	28.5	30	32	34	35
35m	4	17.4	6.0	6.0	5.73	4.98	4.37	3.85	3.63	3.0	2.68	2.4	2.15	2.04
	2	28.5	3.0	6.0	3.0	3.0	3.0	3.0	3.0	3.1	2.78	2.5	2.25	2.14

R	Fall	RC	C	3.6	18	20	22	24	25	29.1	30
30m	4	17.6	6.0	6.0	5.86	5.09	4.47	3.95	3.72	3.0	2.76
	2	29.1	3.0	6.0	3.0	3.0	3.0	3.0	3.0	3.1	2.86

Mechanisms

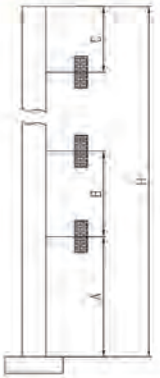
Name							Motor power
		m/min	t	m/min	t	m	kw
Hoisting	QL22-15A	0-70	1.5	0-14	6.0	300	22
luffing	LL22-14A	3.2m/min					22
Slewing	RVF4	0-0.6rpm					4.0
Power	380v(±10%)/50Hz	48kw					

Masts



F2	86t	183t
F3	63t	161t
	34t	

Anchorages



Mast	A	B	C	H
L46A1	28.5m	18.0m	28.5m	102m

● In service Reaction ■ Out of service Reaction

Total weight of free standing crane(exlude (ounter weight & ballast)

Number of tie collors=(H-A-C)/B+1

Material construction elevator



Parameters of single drive conversion material construction elevator with geared driven

Serial number	Item	Units	Parameter	remarks
1	Rated load	kg	2x1000	
2	Rated lifting speed	m/min	0-30	
3	Maximum lifting height	m	60	
4	Cage Dimension (L x W x H)	mxmxm	3X1.5X2	
5	Distance Between Foundation And Cage Bottom	m	0.46	
6	Wall Tie Distance	m	⩽9m	
7	Free End Height	m	⩽9m	
8	Motor power	kw	2x1x13	
9	Frequency converter	kw	18.5	
10	Safety device model		SAJ30-1.2	

Serial number	Item	Units	Parameter	remarks
1	Rated load	kg	2x1000	
2	Rated lifting speed	m/min	0-30	
3	Maximum lifting height	m	60	
4	Cage Dimension (L x W x H)	mxmxm	3X1.5X2	
5	Distance Between Foundation And Cage Bottom	m	0.46	
6	Wall Tie Distance	m	⩽9m	
7	Free End Height	m	⩽9m	
8	Motor power	kw	2x1x15	
9	Frequency converter	kw	18.5	
10	Safety device model		SAJ30-1.2	

Intelligent construction elevator

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Parameters of intelligent construction elevator

Serial number	Item	Units	Parameter	remarks
1	Rated load	kg	2x1200	
2	Rated lifting speed	m/min	0-33	
3	Maximum lifting height	m	150	
4	Cage Dimension (L x W x H)	mxmxm	3X1.5X2	
5	Distance Between Foundation And Cage Bottom	m	0.46	
6	Wall Tie Distance	m	⩽9m	
7	Free End Height	m	⩽9m	
8	Motor power	kw	2x2x9	
9	Frequency converter	kw	22	
10	Safety device model		SAJ30-1.2	

Serial number	Item	Units	Parameter	remarks
1	Rated load	kg	2x2000	
2	Rated lifting speed	m/min	0-40	
3	Maximum lifting height	m	200	
4	Cage Dimension (L x W x H)	mxmxm	3(3.2)X1.5X2.25	
5	Distance Between Foundation And Cage Bottom	m	0.46	
6	Wall Tie Distance	m	⩽9m	
7	Free End Height	m	⩽9m	
8	Motor power	kw	2x2x13	
9	Frequency converter	kw	37	
10	afety device model		SAJ40-1.2A	

Intelligent construction elevator

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Parameters of intelligent construction elevator

Serial number	Item	Units	Parameter	remarks
1	Rated load	kg	2x2000	
2	Rated lifting speed	m/min	0-40	
3	Maximum lifting height	m	200	
4	Cage Dimension (L x W x H)	mxmxm	3(3.2)X1.5X2.25	
5	Distance Between Foundation And Cage Bottom	m	0.46	
6	Wall Tie Distance	m	≤9m	
7	Free End Height	m	≤9m	
8	Motor power	kw	2x3x11	
9	Frequency converter	kw	37	
10	Safety device model		SAJ40-1.2A	

Serial number	Item	Units	Parameter	remarks
1	Rated load	kg	2x2000	
2	Rated lifting speed	m/min	0-46	
3	Maximum lifting height	m	300	
4	Cage Dimension (L x W x H)	mxmxm	3(3.2)X1.5X2.25	
5	Distance Between Foundation And Cage Bottom	m	0.46	
6	Wall Tie Distance	m	≤9m	
7	Free End Height	m	≤9m	
8	Motor power	kw	2x2x15	
9	Frequency converter	kw	37	
10	Safety device model		SAJ40-1.2A	

Parameters of intelligent construction elevator

Serial number	Item	Units	Parameter	remarks
1	Rated load	kg	2x2000	
2	Rated lifting speed	m/min	0-46	
3	Maximum lifting height	m	300	
4	Cage Dimension (L x W x H)	mxmxm	3(3.2)X1.5X2.25	
5	Distance Between Foundation And Cage Bottom	m	0.46	
6	Wall Tie Distance	m	≤9m	
7	Free End Height	m	≤9m	
8	Motor power	kw	2x2x11（18.5）	
9	Frequency converter	kw	37	
10	Safety device model		SAJ40-1.2A	



Variable frequency construction elevator

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Parameters of variable frequency construction elevator

Serial number	Item	Units	Parameter	remarks
1	Rated load	kg	2000	
2	Rated lifting speed	m/min	0-40	
3	Maximum lifting height	m	200	
4	Cage Dimension (L x W x H)	mxmxm	3(3.2)X1.5X2.25	
5	Distance Between Foundation And Cage Bottom	m	0.46	
6	Wall Tie Distance	m	≤9m	
7	Free End Height	m	≤9m	
8	Motor power	kw	1x3x11	
9	Frequency converter	kw	37	
10	Safety device model		SAJ40-1.2A	

Serial number	Item	Units	Parameter	remarks
1	Rated load	kg	2000	
2	Rated lifting speed	m/min	0-46	
3	Maximum lifting height	m	300	
4	Cage Dimension (L x W x H)	mxmxm	3(3.2)X1.5X2.25	
5	Distance Between Foundation And Cage Bottom	m	0.46	
6	Wall Tie Distance	m	≤9m	
7	Free End Height	m	≤9m	
8	Motor power	kw	1x2x15	
9	Frequency converter	kw	37	
10	Safety device model		SAJ40-1.2A	

Parameters of variable frequency construction elevator

Serial number	Item	Units	Parameter	remarks
1	Rated load	kg	2000	
2	Rated lifting speed	m/min	0-46	
3	Maximum lifting height	m	300	
4	Cage Dimension (L x W x H)	mxmxm	3(3.2)X1.5X2.25	
5	Distance Between Foundation And Cage Bottom	m	0.46	
6	Wall Tie Distance	m	≤9m	
7	Free End Height	m	≤9m	
8	Motor power	kw	1x2x11（18.5）	
9	Frequency converter	kw	37	
10	Safety device model		SAJ40-1.2A	



Shaft construction elevator

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Parameters of shaft construction elevator

Serial number	Item	Units	Parameter	remarks
1	Rated load	kg	2000	
2	Rated lifting speed	m/min	0-46	
3	Maximum lifting height	m	200	
4	Cage Dimension (L x W x H)	mxmxm	1.8x1.4(Changeable 2.2x1.4)	
5	Distance Between Foundation And Cage Bottom	KW	2x15	
6	Wall Tie Distance	KW	37	
7	Free End Height	mm	650x300(200)x1508	Can be made according to the well size
8	Motor power		Chip assembly	
9	Frequency converter		Cable	
10	Safety device model		SAJ40-1.2A	

Serial number	Item	Units	Parameter	remarks
1	Rated load	kg	2000	
2	Rated lifting speed	m/min	0-40	
3	Maximum lifting height	m	200	
4	Cage Dimension (L x W x H)	mxmxm	1.8x1.4(Changeable 2.2x1.4)	Can be made according to the well size
5	Distance Between Foundation And Cage Bottom	KW	2X13	
6	Wall Tie Distance	KW	37	
7	Free End Height	mm	650x300(200)x1508	
8	Motor power		Chip assembly	
9	Frequency converter		Cable	
10	Safety device model		SAJ40-1.2A	

Curved construction elevator

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Parameters of curved construction elevator

Serial number	Item	Units	Parameter	remarks
1	Rated load	kg	1600	
2	Rated lifting speed	m/min	0-33	
3	Maximum lifting height	m	250	
4	Cage Dimension (L x W x H)	mxmxm	2.4x1.3x2.15	
5	Motor power	KW	2x11	
6	Frequency converter	KW	37	
7	mast section	mm	650x650x1508	
8	Safety device model		SAJ40-1.2A	

Combined cage construction elevator



Parameters of combined construction elevator

Serial number	Item	Units	Parameter	remarks
1	Rated load	kg	2X2000	
2	Rated lifting speed	m/min	0-50	
3	Maximum lifting height	m	300	
4	Cage Dimension (L x W x H)	mxmxm	4X1.5X2.5	
5	Motor power	kw	3X11(19)	
6	Frequency converter	kw	75	
7	mast section	mm	650X650X1508	
8	Wall Tie Distance	m	⩽9m	
9	Distance Between Foundation And Cage Bottom	m	⩽9m	
10	Safety device model		SAJ50-1.4	

Serial number	Item	Units	Parameter	remarks
1	Rated load	kg	2X1800	
2	Rated lifting speed	m/min	33	
3	Maximum lifting height	m	300	
4	Cage Dimension (L x W x H)	mxmxm	4X1.5X2.25	
5	Motor power	kw	2x3x11	
6	Frequency converter	kw	37	
7	mast section	mm	650X650X1508	
8	Wall Tie Distance	m	⩽9m	
9	Distance Between Foundation And Cage Bottom	m	⩽9m	
10	Safety device model		SAJ40-1.2A	

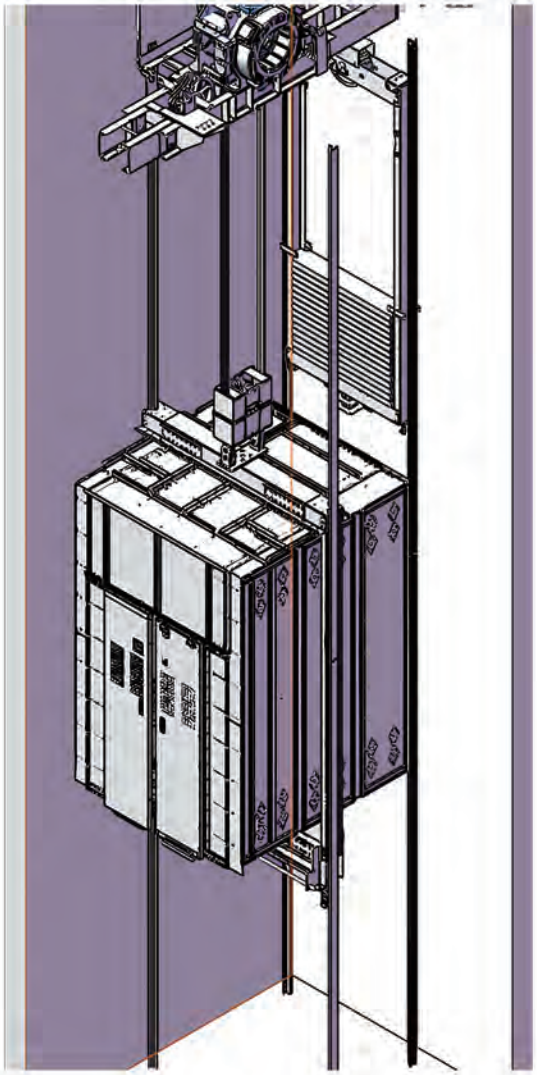
Inclined construction elevator



Parameters of traction construction elevator

Serial number	Item	Units	Parameter	remarks
1	Rated load	kg	2X2000	
2	Rated lifting speed	m/min	0-46	
3	Maximum lifting height	m	300	
4	Cage Dimension (L x W x H)	mxmxm	3X1.5X2.25	
5	Motor power	kw	2x2x15	
6	Frequency converter	kw	37	
7	mast section	mm	650X650X1508	
8	Wall Tie Distance	m	⩽9m	
9	Distance Between Foundation And Cage Bottom	m	⩽7.5m	
10	Safety device model		SAJ40-1.2A	

Traction elevator



Parameters of traction construction elevator

Serial number	Item	Units	Parameter	remarks
1	Rated load	kg	1600	
2	Rated lifting speed	m/min	0-90	
3	Maximum lifting height	m	300	
4	Cage Dimension (L x W x H)	mxmxm	2.1x2.1x2.9	Can be made according to the well size
5	Motor power	kw	15.7	

Scp Platform

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Parameters of scp platform

Serial number	Description	MSM Super 1 mast	MSM Super 2 masts
1	Platform length [m]	3.0-10.3	8.6-23.6
2	Platform width [m]	1.5-2.5	1.5-2.5
3	Distance between mast centers [m]	--	7.3-13.3
4	Distance between anchors [m] B	6	6
5	Max.mastheight free-standing [m] A	20 chassis / 4.5 Ground frame	20 chassis / 4.5 Ground frame
6	Max.mastheight anchored [m] A	150	150
7	Max.mastheight above last anchor [m] D	4.5 install / 3 running	4.5 install / 3 running
8	Mast type	650×650	650×650
9	Max.number of persons	3	3
10	Platform speed [m/min.]	6	6

Serial number	Description	MSM Super 1 mast	MSM Super 2 masts
11	Loading capacity [kg]	See section 1.6	See section 1.7
12	Height of first anchor for ground frame [m] C	3	3
13	Max.height jack chassis min-max [m] E	0.6-0.72	0.6-0.72
14	Height platform incl. Fence 1.1 m [m] F	1.95	1.95
15	Height platform to deck [m] G	0.83	0.83
16	High platform fence upper side mast cover [m] H	2	2





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▶ **Huangmao Sea Cross-Sea Channel Project in Zhuhai, Guangdong Province**

It was constructed by Road & Bridge International Co., Ltd, the project use one set construction elevator from DAHAN with the height of 260m. The height of the main tower of the bridge is 260 meters, with a span of 720 meters, it will be the largest three-tower cable-stayed highway bridge in the world.



▶ **"Sun Hotel·Crystal Plaza" project in Huzhou, Zhejiang**

It was built by China MCC5 Group Corp. Ltd.The project used 2 sets intelligent construction elevators from Dahan. The project is a 19-story spherical hotel building with a height of 98.7 meters, a diameter of 97.2 meters, and a maximum span of 58.8 meters. It is the largest spherical building in the world.



▶ **Shenzhen Metro Technology Building Project**

It was constructed by China Construction Eighth Engineering Division Corp., Ltd. and used two sets 260-meter-high construction elevators from Dahan. The Building has a total height of 248.9 meters, total investment about 1.3 billion yuan. It is one of the important landmark buildings in Shenzhen.



▶ **Jinan "Jiqi Yellow River Bridge" project**

It was constructed by China Construction Eighth Engineering Division Corp., Ltd. and used two sets PT7025 tower cranes from Dahan. The project has a total investment of 1.2 billion yuan. The left tower is 138 meters high and the right tower is 133.5 meters high. It is constructed using two-way six-lane first-class highway standards, with a design speed of 80 kilometers per hour.



▶ **Hebei Shijiazhuang Central Business District Project**

It was constructed by China Construction Second Engineering Bureau Ltd. and used two sets 7530 tower cranes from Dahan. The project with a total planned area of approximately 2.6 square kilometers, the Financial and Business North District consists of a 380-meter-high urban landmark building and 11PCS business office buildings. The southern district will build a 300-meter-high urban landmark building and 10 business office buildings.



▶ **Shanghai Lingang West Island Financial Center Project**

It was constructed by China Construction Second Engineering Bureau Ltd., using 4 sets Dahan Technology construction elevators and 4 sets shaft elevators. This project is located in Pudong New Area, a municipal district of Shanghai, total construction area of 282,500 square meters. The main building is two 200-meter-high towers in the north and south, total installation height of 216 meters. After completion, it will become a large-scale urban complex with financial headquarters offices as the main body in the Lingang New Area.



▶ **Jinan Hanyu Financial Business Center Project**

It was constructed by China Construction Second Engineering Bureau Ltd, using 2 sets construction elevators and 1 set shaft elevator from DAHAN. The project is located in Lixia District, Jinan City, with a land area of 4.26 hectares, a construction area of 335,100 square meters, and a building height is 220.65 meters.



▶ **Zhejiang Zhoushan Sixth Cross-Sea Bridge Project**

It was constructed by China Railway Construction Bridge Engineering Bureau Group Co., Ltd. and CRCC Harbour& Channel Engineering Bureau Group Co., Ltd, using six sets inclined elevator with 260-meter-high from Dahan.



▶ **Henan Lankao Yellow River Bridge Project**

It was constructed by Shanghai Urban Construction Group, using 4 sets 7527 tower cranes and 2 sets curved elevators from DAHAN.



▶ **Jinan International Financial City Project**

It was constructed by China Construction Third Engineering Bureau Group Co., Ltd. and they used 2 sets construction elevators from DAHAN. The project is located in Lixia District, Jinan City, with a construction area of 211,100 square meters. It will build an office building with 32 floors above ground and a total height of 174.75 meters, as well as multiple commercial buildings. An apron is set up on the roof of the main building.



▶ **Jiangsu Nantong Qidong Manufacturing Base Project**

It was constructed by Shanghai Zhenhua Heavy Industries Co., Ltd., using two sets DH125 flattop tower cranes from Dahan.



▶ **Offshore Petroleum Engineering (Qingdao) Production Base**

Using 12 sets construction elevators from DAHAN.

▶ **Offshore Oil Engineering Tianjin Intelligent Manufacturing Base**

Using 4 sets 7527 tower cranes from DAHAN.

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