

**KEE HING CHEUNG KEE CO., LTD.
DLFTZ CHANG HING KEE
INT'L INDUSTRY & TRADE CO., LTD.**



25T Mobile Crane

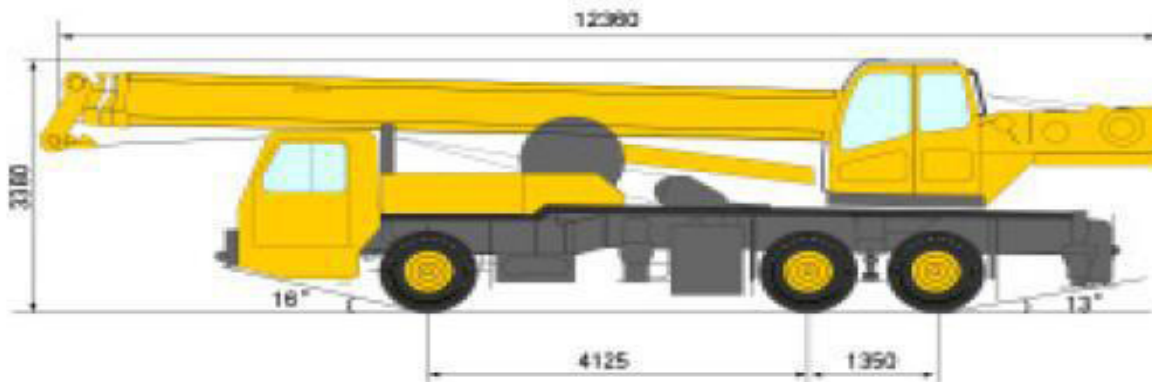


KQY25K FULL HYDRAULIC TRUCK CRANE :

- ◆ KQY25K Truck Crane profile and hydraulic system won 6 China state patents.
- ◆ 4-section boom of all-round octagonal cross-section, Single cylinder for front support elevating low center of gravity, good stability.
- ◆ Main winch and auxiliary winch separated from each other can work not only individually but also simultaneously.
- ◆ Full-dimension driver's cab with wide vision is convenient for operation.
- ◆ Swing system with free-sliding function can automatically align to load. Pinion offset makes meshing clearance easy to adjust.
- ◆ New materials are used to minimize the total weight and maximize the whole vehicle performances. Main performances are in the leading position in the industry.
- ◆ Hydraulic pilot control system can finish all operations precisely with gently pushing the two joysticks on armrest. (Mechanical operation system is option for customer)
- ◆ Hydraulic valve block is integrated modular designed, little pressure loss and high efficiency.
- ◆ Balance valve designed with international technology, oil filter, anti-cavitation device and plug in hydraulic circuit make operation more reliable.
- ◆ Well-equipped safety devices, such as automatic moment limiter, hoist height limiter, wire rope over-release cut-out device, make operation more safe.
- ◆ Engine, air conditioners for superstructure and chassis and hydraulic device are available for option.

Dimensions

Overall length	mm	12360
Overall width	mm	2500
Overall height	mm	3380



▲ Outline dimensions

Weight

Dead weight in travel state	kg	27900
Axle load		
Front Axle	kg	6100
Rear Axle	kg	21800

Power

Engine model		6C215-2	SC8DK280Q3
Engine rated output	kW/(r/min)	158/2200	206/2200
Engine rated torque	N.m/(r/min)	790/1400	1112/1400
Max. travel speed	r/min	2200	2200

Travel

Max. Travel speed	km/h	72	72
Min. turning diameter	mm	22000	22000
Min. ground clearance	mm	260	260
Approach angle	°	16	16
Departure angle	°	13	13
(30km/h) Braking distance	m	10	10
Max. Gradeability	%	27	30
Fuel consumption of 100km	L	~35	~35



Lifting performance

Max. Total rated lifting load	t	25
Min. rated working radius	m	3
Turning radius at swing table tail	mm	3065
Max. load moment		
Base boom	kN.m	948.15
Full—extend boom	kN.m	521
Full—extend boom+Jib	kN.m	331
Outrigger extension distance		
Longitudinal/Lateral	m	4.8/6.0
Lifting height		
Base boom	m	10.5
Full—extend boom	m	32.5
Full—extend boom+Jib	m	40.8

Working speed

Boom Raising	s	75
Boom telescoping time		
Full — extending / retracting	s	100/60
Max .Slewing speed	r/min	2.5
Outrigger telescoping time		
Outrigger beam extending/retracting synchronously	s	35/30
Outrigger jack extending/retracting synchronously	s	40/35
Hoisting speed(single rope)		
Main winch with full load/no load	m/min	70/100
Auxiliary winch with full load/no load	m/min	60/100

4-section octagonal telescopic boom

streamlined and integrated
driver's cab and operator's
cab made of complex material





KQY25K Total rated lifting load for boom 表一 (Table1)

working radius m	full-extend outrigger with boom at the side or the rear							
	Base boom 10.40m		Mid-extend boom 17.6m		Mid-extend boom 24.80m		Full-extend boom 32.00m	
	Lifting Load (kg)	Lifting Height (m)	Lifting Load (kg)	Lifting Height (m)	Lifting Load (kg)	Lifting Height (m)	Lifting Load (kg)	Lifting Height (m)
3.0	25000	10.50	14700	18.11				
3.5	25000	10.25	14700	17.98				
4.0	24000	9.97	14700	17.82	9100	25.28		
4.5	21500	9.64	14700	17.65	9100	25.16		
5.0	18700	9.28	14200	17.47	9100	25.03		
5.5	17200	8.86	13500	17.26	9100	24.89	6500	32.32
6.0	15700	8.39	13000	17.04	8800	24.74	6500	32.20
7.0	12100	7.22	12000	16.54	8200	24.41	6500	31.95
8.0	9600	5.54	9900	15.95	7500	24.02	6100	31.66
9.0			8100	15.27	7100	23.59	5500	31.33
10.0			6800	14.48	6400	23.10	5000	30.97
12.0			5000	12.49	5060	21.94	4300	30.13
14.0			3800	9.60	3900	20.51	3800	29.12
16.0					3100	18.74	3100	27.93
18.0					2530	16.52	2500	26.52
20.0					2000	13.61	1960	24.95
22.0					1650	9.29	1600	22.90
24.0							1290	20.54
26.0							1020	17.60
28.0							810	13.71
29.0							700	11.07
parts of lines	10		6		4		3	
Weight of hook block	250kg							
Min. boom angle	28°		30°		20°		19°	
Max. boom angle	68°		76°		78°		78°	

Total rated lifting load for jib(over side and rear) (Table2)

Boom angle	Boom32m+ Jib8, 15m					
	Offset angle					
	0°		15°		30°	
	Working Radiu (mm)	Lifting Load (kg)	Working Radiu (mm)	Lifting Load (kg)	Working Radiu (mm)	Lifting Load (kg)
78°	9000	2800	11000	2500	13000	1900
75°	11000	2800	13000	2400	14700	1750
72°	13000	2750	15000	2200	16600	1700
70°	14200	2650	16200	2100	17800	1600
65°	17500	2150	19400	1800	20800	1500
60°	20500	1800	22400	1600	23800	1400
55°	23200	1400	25300	1300	26500	1230
50°	26500	1000	28000	900	29000	900
40°	31500	500	32500	400	33300	400
with hook block					55kg	

Notes: about table 1 and table 2:

- ◆ The data in the table are the max. lifting capacity when the crane is set up on level and firm ground.
- ◆ The total rated lifting load in the table includes the weight of hook block and slings.
- ◆ The working radius in the table is the actual value including boom deflection under loads.
- ◆ Wind pressure $125\text{N}/\text{m}^2$, Lifting operation is also allowed under the condition of wind force scale 7.
- ◆ Lifting height in table 1 and working radius in table 2 are reference value.