

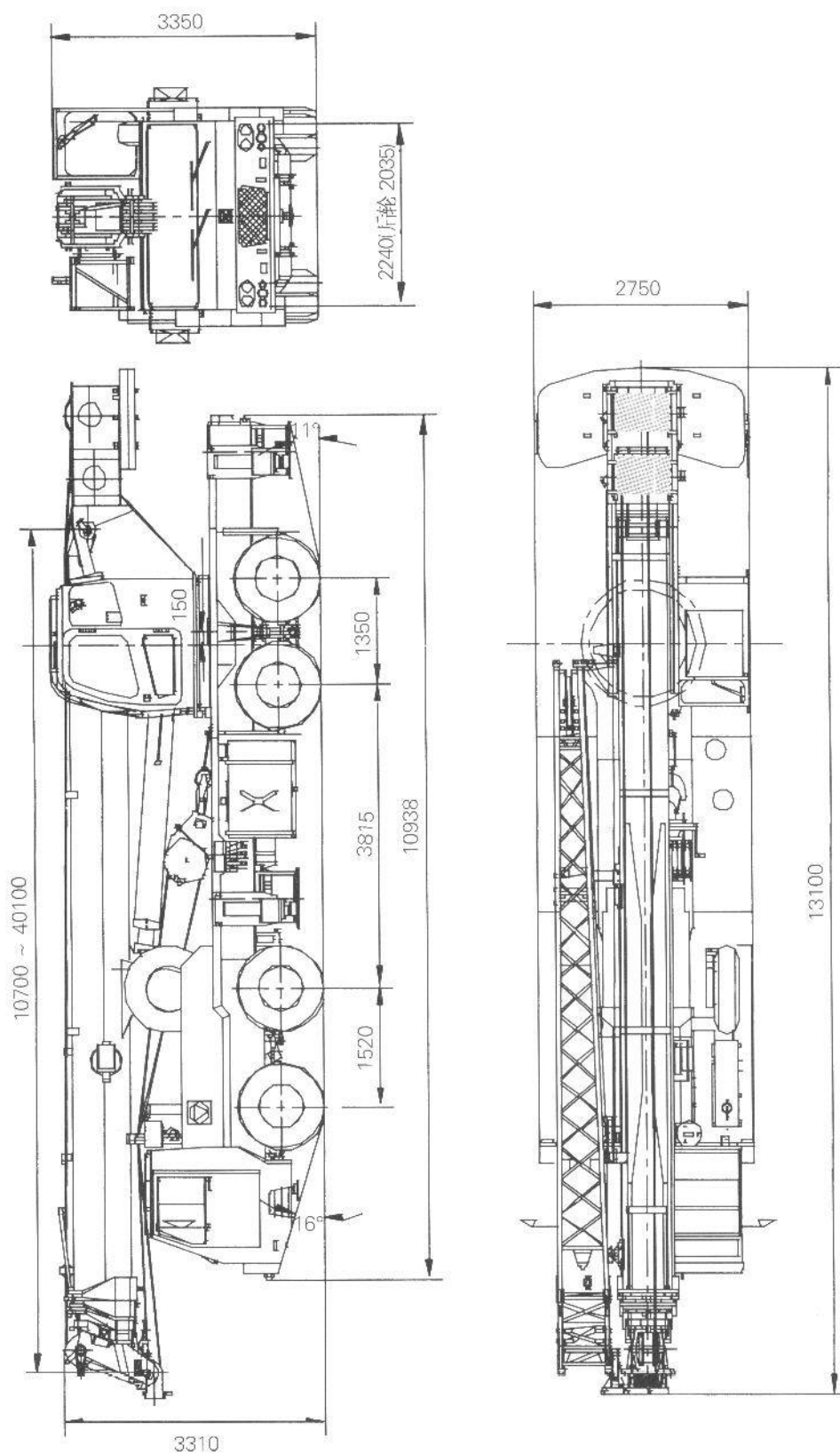


Fig. 3-1 QY50K Truck Crane Outline



Table 3-3

Total Rated Lifting Load for Boom

With 6.6 m of fully-extended outriggers, without front jack, boom over side or over rear; with front jack down, 360° operation of the boom														
Working radius (m)	Base boom 10.70m			Mid-extended boom 18.05m			Mid-extended boom 25.40m			Fully-extended boom 32.75m			Fully-extended boom 40.10m	
	Lifting load (kg)	Boom angle (°)	Lifting height (m)	Lifting load (kg)	Boom angle (°)	Lifting height (m)	Lifting load (kg)	Boom angle (°)	Lifting height (m)	Lifting load (kg)	Boom angle (°)	Lifting height (m)		
3	50000	69.36	10.75											
3.5	50000	66.44	10.51	31000	77.22	18.37								
4	42500	63.36	10.23	29000	75.60	18.22								
4.5	39500	60.22	9.91	28000	73.98	18.05	20000	79.70	25.70					
5	36000	56.96	9.56	27000	72.36	17.87	19000	78.61	25.57					
5.5	30300	53.50	9.16	24500	70.63	17.67	18500	77.55	25.44					
6	25600	49.88	8.71	23000	68.92	17.45	18200	76.50	25.29	13600	80.0	32.90		
7	19400	41.88	7.59	18900	65.35	16.96	17000	74.20	24.96	13600	79.12	32.65		
8	15200	32.15	6.06	14600	61.59	16.39	15500	71.66	24.58	12500	77.40	32.36	8200	
9	12100	17.33	3.39	11800	57.72	15.73	12800	69.07	24.16	11500	75.64	32.04	8200	
10				9500	53.67	14.97	10600	66.41	23.68	10500	73.82	31.69	7600	
12				6800	44.96	13.05	7700	61.19	22.55	8200	69.93	30.87	6800	
14				4800	34.43	10.35	5800	55.70	21.17	6200	65.86	29.88	6000	
16				3400	19.11	5.65	4400	49.81	19.47	4800	61.74	28.72	5000	
18							3300	43.35	17.35	3800	57.49	27.35	4000	
20							2500	35.94	14.62	3000	53.07	25.75	3200	
22							1800	26.85	10.78	2300	48.33	23.87	2600	
24										1800	43.23	21.62	2100	
26										1300	37.59	18.87	1600	
28													1200	
30													900	
32													500	
Parts of line	12			8			5			4			3	
Telescoping rate of boom section	2nd	0%		100%			100%			100%			100%	
	3rd	0%		0%			33%			66%			100%	
	4th	0%		0%			33%			66%			100%	
	5th	0%		0%			33%			66%			100%	
Min. boom angle	17.33~69.36°			19.11~77.22°			26.85~79.7°			37.59~80.0°			39.26~80.0°	
Weight of hook block		515kg												



Table 3-4

Total Rated Lifting Load for Boom

With 5 m of half-extended outriggers, without front jack, boom over side or over rear; with front jack down, 360° operation of the boom															
Working radius (m)	Base boom 10.70m			Mid-extended boom 18.05m			Mid-extended boom 25.40m			Mid-extended boom 32.75m			Fully-extended boom 40.10m		
	Lifting load (kg)	Boom angle (°)	Lifting height (m)	Lifting load (kg)	Boom angle (°)	Lifting height (m)	Lifting load (kg)	Boom angle (°)	Lifting height (m)	Lifting load (kg)	Boom angle (°)	Lifting height (m)	Lifting load (kg)	Boom angle (°)	Lifting height (m)
3	47000	69.36	10.75												
3.5	44000	66.44	10.51	31000	77.22	18.37									
4	39000	63.36	10.23	29000	75.60	18.22									
4.5	32500	60.22	9.91	28000	73.98	18.05	20000	79.70	25.70						
5	25500	56.96	9.56	24700	72.36	17.87	19000	78.61	25.57						
5.5	20800	53.50	9.16	20200	70.63	17.67	18500	77.55	25.44						
6	17200	49.88	8.71	17000	68.92	17.45	17500	76.50	25.29	13600	80.0	32.90			
7	12400	41.88	7.59	12000	65.35	16.96	12800	74.20	24.96	13000	79.12	32.65			
8	9600	32.15	6.06	9200	61.59	16.39	10000	71.66	24.58	10200	77.40	32.36	8200	80.0	39.97
9	7500	17.33	3.39	7200	57.72	15.73	8100	69.07	24.16	8500	75.64	32.04	8200	79.32	39.72
10				5700	53.67	14.97	6600	66.41	23.68	7000	73.82	31.69	7200	77.93	39.43
12				3400	44.96	13.05	4400	61.19	22.55	4800	69.93	30.87	5000	75.20	38.78
14				2200	34.43	10.35	3200	55.70	21.17	3600	65.86	29.88	3800	72.33	38.01
16				1350	19.11	5.65	2300	49.81	19.47	2600	61.74	28.72	2800	69.21	37.11
18							1600	43.35	17.35	1900	57.49	27.35	2200	65.91	36.07
20							1000	35.94	14.62	1400	53.07	25.75	1600	62.58	34.89
22										1000	48.33	23.87	1300	59.12	33.53
24													850	55.51	31.99
Parts of line		12			8			5			4			3	
Telescoping rate of boom section	2nd	0%			100%			100%			100%			100%	
	3rd	0%			0%			33%			66%			100%	
	4th	0%			0%			33%			66%			100%	
	5th	0%			0%			33%			66%			100%	
Min. boom angle		17.33~69.36°		19.11~77.22°				35.94~79.7°			48.33~80.0°			55.51~80.0°	
Weight of hook block															



Table 3—5

Total Rated Lifting Load for Jib

With 6.6 m of fully-extended outriggers, without front jack, boom over side or over rear; with front jack down, 360° operation of the boom																			
Boom length		40.1m																	
Jib length		8.5m						15m											
Jib offset angle		0°			15°			30°			0°			15°			30°		
Boom angle	Lifting load (kg)	Working radius (m)	Lifting height (m)	Lifting load (kg)	Working radius (m)	Lifting height (m)	Lifting load (kg)	Working radius (m)	Lifting height (m)	Lifting load (kg)	Working radius (m)	Lifting height (m)	Lifting load (kg)	Working radius (m)	Lifting height (m)	Lifting load (kg)	Working radius (m)	Lifting height (m)	
78°	4000	10.7	50	2700	12.6	49.2	2440	14.1	47.9	2000	12	55.8	1400	15.3	54.5	1100	18.1	52.3	
75°	3600	13.2	49.3	2500	15	48.4	2300	16.5	47	2000	14.8	55.1	1200	18	53.6	1000	20.7	51.3	
72°	3200	15.7	48.6	2300	17.4	47.6	2200	18.8	46	1800	17.5	54.3	1150	20.6	52.6	990	23.2	50.1	
70°	2900	17.3	48	2200	18.9	46.9	2100	20.3	45.3	1700	19.3	53.6	1100	22.4	51.8	950	24.9	49.2	
65°	2300	21.2	46.3	1900	22.7	45.1	1900	23.9	43.3	1400	23.7	51.8	950	26.6	49.7	880	28.9	46.8	
60°	1800	24.9	44.3	1600	26.3	42.9	1500	27.4	41	1200	27.9	49.5	800	30.6	47.1	830	32.6	44	
55°	1000	28.4	42	900	29.7	40.4	850	30.6	38.4	800	31.9	46.9	700	34.3	44.2	600	36.1	40.9	
50°	450	31.8	39.3	400	32.9	37.6	350	33.6	35.5										
With 5 m of half-extended outriggers, without front jack, boom over side or over rear; with front jack down, 360° operation of the boom																			
78°	4000	10.7	50	2700	12.6	49.2	2440	14.1	47.9	2000	12	55.8	1400	15.3	54.5	1100	18.1	52.3	
75°	3600	13.2	49.3	2500	15	48.4	2300	16.5	47	2000	14.8	55.1	1200	18	53.6	1000	20.7	51.3	
72°	2600	15.7	48.6	2300	17.4	47.6	2000	18.8	46	1800	17.5	54.3	1150	20.6	52.6	990	23.2	50.1	
70°	2000	17.3	48	1800	18.9	46.9	1600	20.3	45.3	1700	19.3	53.6	1100	22.4	51.8	950	24.9	49.2	
65°	1000	21.2	46.3	900	22.7	45.1	800	23.9	43.3	900	23.7	51.8	700	26.6	49.7	600	28.9	46.8	
60°	400	24.9	44.3	300	26.3	42.9	300	27.4	41	300	27.9	49.5	200	30.6	47.1	200	32.6	44	
Weight of hook block		100 kg (for 4000 kg load)																	