



## TADANO TRUCK CRANE

MODEL : **GT-600EX**

( CARRIER : TC-4255-2 / EURO-3 )

## GENERAL DATA

CRANE CAPACITY 60,000 kg at 3.0 mBOOM 5-section, 11.0 m – 43.0 mDIMENSION

Overall length	approx.	13,170 mm
Overall width	approx.	3,040 mm
Overall height	approx.	3,730 mm

MASS

		Kilograms		
		Total	Front	Rear
Base machine with 300L fuel		41,300	15,800	25,500
Remove				
1	5.6t hook ball	-150	65	-215
2	Top Jib (6.4m)	-225	-175	-50
3	Base Jib (8.8m)	-500	-490	-10
4	Single Top (Auxiliary boom sheave)	-50	-90	40
5	Spare Tire	-135	-140	5
6	Spare Tire Bracket	-30	-30	0
7	35t hook block	-410	-280	-130
8	Counter weight and pins	-3,780	1,510	-5,290
Add				
9	60t hook block	570	390	180
10	1 Person	75	95	-20
11	Additional Oil Cooler (Option)	60	-20	80
Permissible Axle load		42,150	16,480	25,670

PERFORMANCE

Max. travelling speed	computed	84km/h
Gradeability (tan $\theta$ )	computed	58%

## CRANE SPECIFICATIONS

<u>MODEL</u>	GT-600EX
<u>CAPACITY</u>	60,000 kg at 3.0 m
<u>BOOM</u>	<p>Five-section full power partially synchronized telescoping boom of round box construction with 5 sheaves at boom head. The synchronization system consists of 2 telescope cylinders, extension cables and retraction cables. Selection of 2 boom telescoping modes.</p> <p>Hydraulic cylinders fitted with holding valves.</p> <p>Fully retracted length -----11.0 m</p> <p>Fully extended length ----- 43.0 m</p> <p>Extension speed -----32.0 m in 135s</p>
<u>JIB</u>	<p>Two-staged swingaround boom extension. Triple offset (5°/ 25°/ 45°) type. Stores alongside base boom section. Assistant cylinders for mounting and stowing. Single sheave at jib head.</p> <p>Length-----8.8 m and 15.2 m</p>
<u>SINGLE TOP (AUXILIARY BOOM SHEAVE)</u>	<p>Single sheave.</p> <p>Mounted to main boom head for single line work.</p>
<u>ELEVATION</u>	<p>By a double-acting hydraulic cylinder, fitted with holding valve. Automatic speed reduction and soft stop function.</p> <p>Boom angle----- -2° to 81°</p> <p>Boom raising speed----- 20° to 60° in 39s</p>
<u>HOIST – Main winch</u>	<p>Variable speed type with grooved drum driven by hydraulic axial piston motor through winch speed reducer. Power load lowering and hoisting.</p> <p>Equipped with automatic brake (Neutral brake) and counterbalance valve.</p> <p>Controlled independently of auxiliary winch.</p> <p>Single line pull ----- 54.9 kN {5,600 kgf}</p> <p>Single line speed ----- 139 m/min. (at the 4th layer)</p> <p>Wire rope -----Spin-resistant type</p> <p>Diameter x length -----19 mm x 235 m</p>
<u>HOIST– Auxiliary winch</u>	<p>Variable speed type with grooved drum driven by hydraulic axial piston motor through winch speed reducer. Power load lowering and hoisting.</p> <p>Equipped with automatic brake (Neutral brake) and counterbalance valve.</p> <p>Controlled independently of main winch.</p> <p>Single line pull ----- 54.9 kN {5,600 kgf}</p> <p>Single line speed ----- 121 m/min. (at the 2nd layer)</p> <p>Wire rope ----- Spin-resistant type</p> <p>Diameter x length -----19 mm x 127 m</p>
<u>SWING</u>	<p>Hydraulic axial piston motor driven through planetary swing speed reducer. Continuous 360° full circle swing on ball bearing slew ring.</p> <p>Equipped with manually locked/released swing brake.</p> <p>Swing speed ----- 1.7 min<sup>-1</sup>{rpm}</p>

HYDRAULIC SYSTEM

Pumps ----- Two variable piston pumps for telescoping, elevating and winches. Tandem gear pump for swing and optional equipment.

Control valves ----- Multiple valves actuated by pilot pressure with integral pressure relief valves.

Circuit ----- Equipped with air cooled type oil cooler. Oil pressure appears on AML display for main circuit.

Hydraulic oil tank capacity ----- approx. 690 liters

Filters ----- Return line filter

Crane CONTROL

By 4 control levers for swing, boom hoist, main winch, boom telescoping or auxiliary winch with 2 control pedals for boom hoist and boom telescoping based on ISO standard layout. Control lever stands can change neutral positions and tilt for easy access to cab.

CAB

One sided one-man type, steel construction with sliding door access and tinted safety glass windows opening at side. Door window is powered control. Operator's 3 way adjustable seat with headrest and armrest. Hot water cab heater and air conditioning. (Optional)

TADANO Automatic Moment Limiter (Model:AML-C)

Main unit in crane cab gives audible and visual warning of approach to overload. Automatically cuts out crane motions (including swing motion) before overload. With working range (load radius and/or boom angle and/or tip height and/or swing range) limit function.

Following functions are displayed.

- Moment as percentage
- Number of parts of line of rope
- Boom angle
- Boom length
- Load radius
- Outriggers position
- Actual hook load
- Permissible load
- Boom position indicator
- Potential hook height
- Swing angle
- Main hydraulic oil pressure
- Jib length and jib offset angle (only when jib operation)

OUTRIGGERS

Hydraulically operated H-type outriggers. Each outrigger controlled simultaneously or independently from either side of carrier. Equipped with sight level gauge. Floats mounted integrally with the jacks retract to within vehicle width.

All cylinders fitted with pilot check valves.

Crane operation with different extended length of each outrigger.

Equipped with extension width detector for each outrigger.

- Extended width
  - Fully ----- 7,000 mm
  - Middle ----- 4,800 mm
  - Minimum ---- 2,590 mm
- Float size (Diameter) --- 400 mm

<u>FRONT JACK</u>	A fifth hydraulically operated outrigger jack. Mounted to the front frame of carrier to permit 360° lifting capabilities. Hydraulic cylinder fitted with pilot check valve. Float size (Diameter) --- 400 mm
<u>COUNTER WEIGHT</u>	Integral with swing frame. Mass-----3,770kg
<u>STANDARD EQUIPMENT</u>	Pendant type over-winding cutout External lamp (AML) Automatic speed reduction and soft stop function on boom elevation and/or swing(swing range restricted only) Swing lock Winch automatic fail-safe brake Cable follower Hook safety latch Pilot check valves Counterbalance valves Hydraulic pressure relief valves Swing brake Hydraulic oil cooler Boom elevation foot pedal Boom telescoping foot pedal Front jack set up detector Front jack overload alarm 3 working lights Front windshield wiper and washer Roof window wiper and washer Power window (Door of the cab) 3 way adjustable cloth seat with headrest and armrest Cab floor mat Sun visor (Front and roof) Automatic moment limiter (AML) Boom angle indicator Outrigger extension width detector
<u>OPTIONAL EQUIPMENT</u>	Hot water cab heater and air conditioner (Upper cab) Winch drum mirror Winch drum rotation indicator (Visual type) Hook block – 60t capacity (6 sheaves, swivel type with safety latch. Mass : approx.570 kg)  Hook block – 35t capacity (3 sheaves, swivel type with safety latch. Mass : approx.410 kg)  Hook block – 5.6t capacity (Swivel type with safety latch for single line use. Mass : approx.150 kg)  Over-unwinding prevention Additional oil cooler

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NOTE : Each crane motion speed is based on unladen conditions.

## CARRIER SPECIFICATIONS

<u>MANUFACTURER</u>	TADANO LTD.
<u>MODEL</u>	TC-4255-2 ----- Left-hand steering , 8 x 4
<u>ENGINE</u>	Model ----- Daimler OM457LA Type ----- 4 cycle, turbo charged and inter cooled. Piston displacement ---11,967 cm <sup>3</sup> Bore x Stroke ----- 128 mm x 155mm Max. output ----- 260 kW {353 PS} at 1,900 min <sup>-1</sup> {rpm} Max. torque ----- 1,850 N-m{188 kgf-m} at 1,100 min <sup>-1</sup> {rpm}
<u>CLUTCH</u>	Dry single plate, hydraulically operated clutch release mechanism with air assisted booster.
<u>TRANSMISSION</u>	9 forward and 1 reverse speeds, synchromesh on 2nd –9th gear and constant-mesh on 1st and reverse gear.
<u>AXLES</u>	Front ----- Reverse-elliot type, steering axle. Rear ----- Full floating type, driving axle with inter-wheel differential lock.
<u>STEERING</u>	Dual circuit hydraulic and mechanical steering of both front axles with hydraulic power booster. 3rd axle reduction gear-mounted emergency steering pump (Optional).
<u>SUSPENSION</u>	Front ----- Hydraulic/pneumatic suspension, with hydraulic lock system and leveling adjustment. Rear ----- Hydraulic/pneumatic suspension, with hydraulic lock system and leveling adjustment.
<u>BRAKE SYSTEM</u>	Service ----- Full air brakes on all wheels. Dual-circuit system. Parking/ Emergency ----- Spring loaded brake on rear 4-wheel controlled by knob of spring brake valve. Auxiliary-----Constant throttle system with exhaust flap brake.
<u>ELECTRIC SYSTEM</u>	24 V DC. 2 batteries of 12 V Alternator ---- 28 V – 80 A
<u>FUEL TANK CAPACITY</u>	300 liters
<u>CAB</u>	2-man full width cab of steel structure, with safety glass. Adjustable and air-suspended seats with headrest and 3 point safety belt.
<u>TIRES</u>	Front -----385/65R22.5, Single x 4 Rear -----13R22.5, Dual x 4 Spare -----385/65R22.5, Single x 1
<u>TURN RADIUS</u>	Min. turning radius (at center of extreme outer tire) -----12.5 m

STANDARD EQUIPMENT

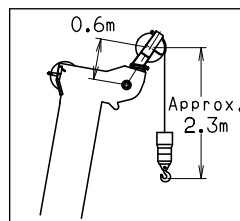
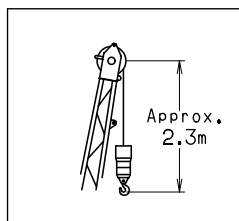
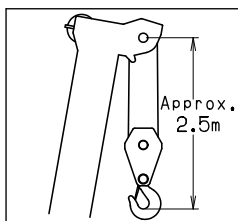
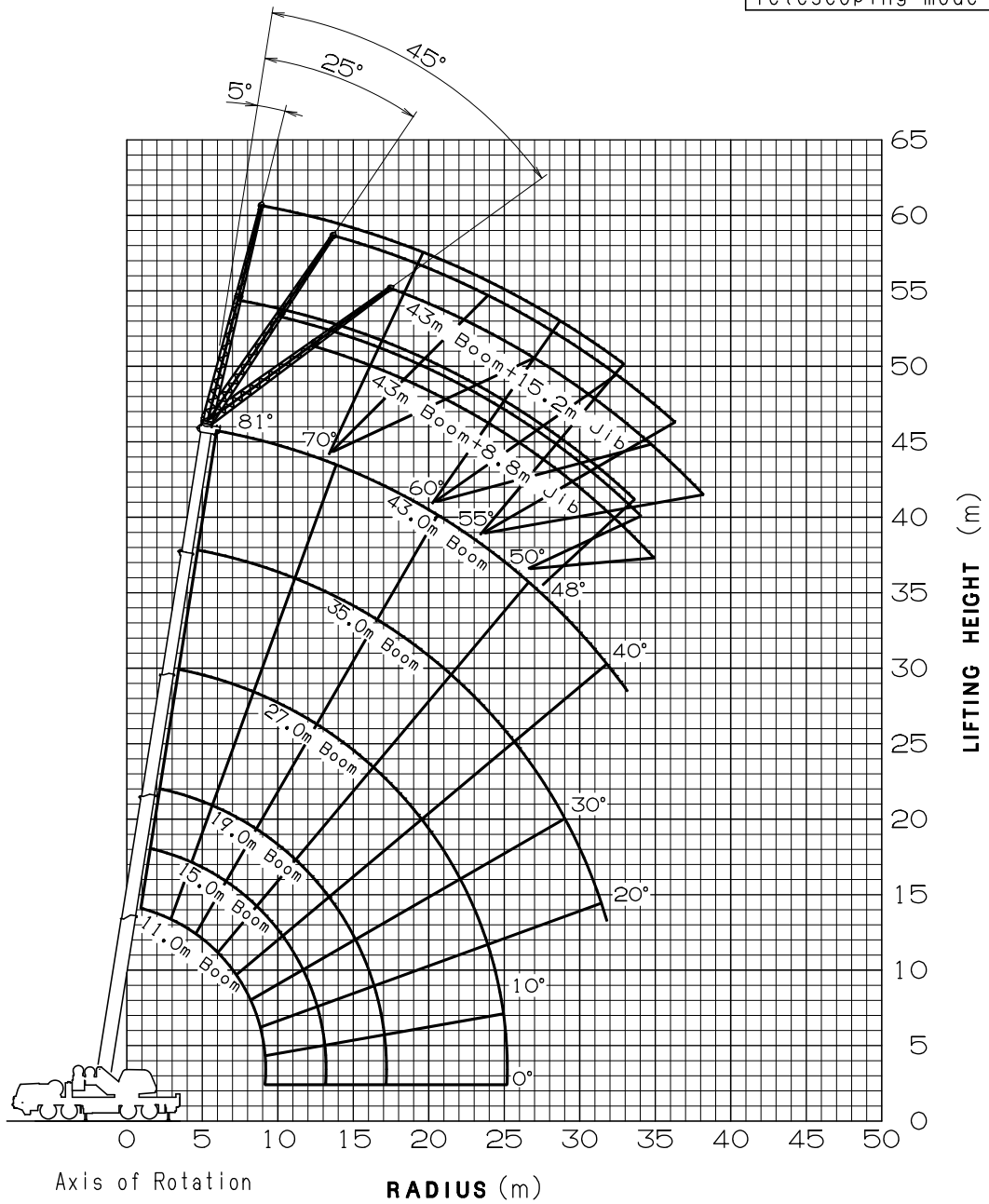
Spare tire and carrier with lock key  
 Rear fog lights  
 Inter-wheel differential gear lock  
 Fuel tank cap with lock key  
 Air dryer  
 Towing hooks (Front and rear, Eye type)  
 Engine over-run alarm  
 Air filter warning light (Instrument cluster)  
 Cooling water level warning light  
 Engine hour meter  
 PTO hour meter  
 Reversing signal  
 Low air pressure warning lamp and buzzer  
 AM / FM radio  
 Adjustment and heating rearview mirror  
 Sun visor  
 Tilting-telescoping steering wheel  
 3 way adjustable air suspension seat  
 Tachometer/ Speedometer (with odometer)  
 Air conditioner (hot water cab heater and cooler) with defroster  
 3 point type seat belt  
 Windshield wiper (with intermittent wiping) and washer  
 Cigarette lighter  
 Owner's tool set  
 Cruise control  
 Transmission oil drain cock

OPTIONAL EQUIPMENT

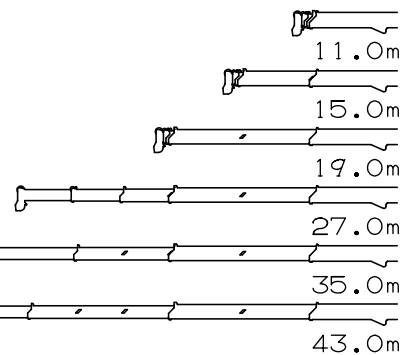
Emergency steering pump  
 Air pressure test connections  
 Tire inflation  
 Tool box with lock key  
 Front fog lights  
 Coolant drain cock

**WORKING RANGE**

Telescoping mode I



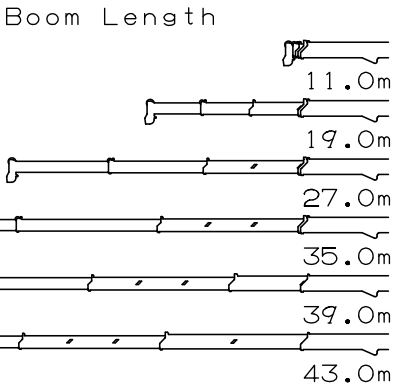
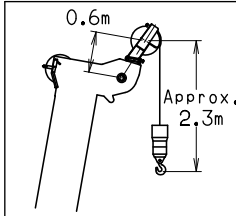
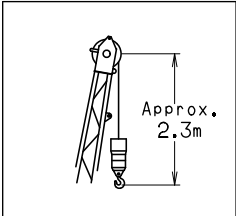
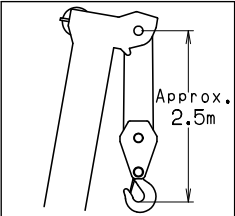
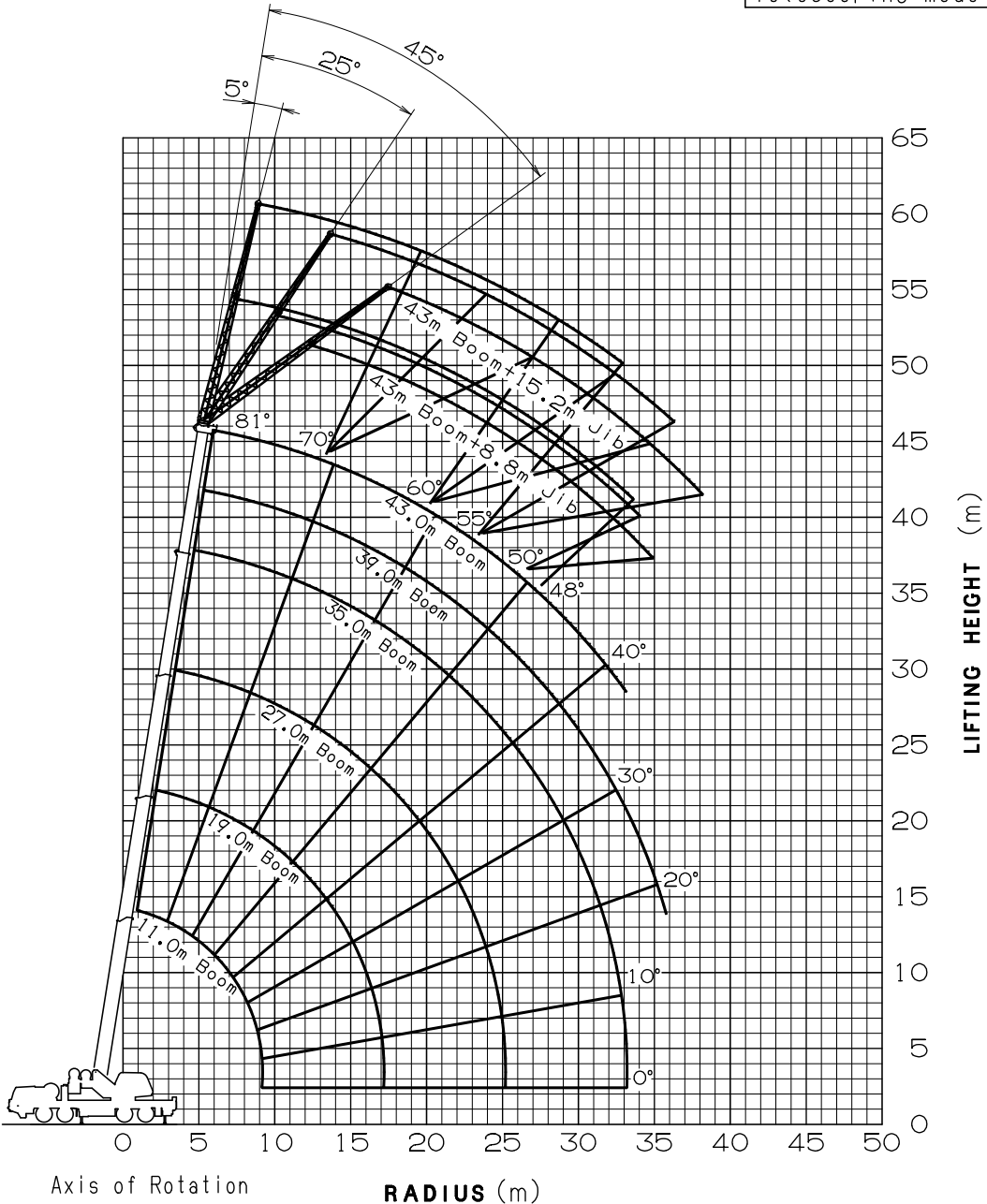
Boom Length



NOTE: 1. Boom and jib geometry shown are for unloaded condition and machine standing level on firm supporting surface.  
 Boom deflection and subsequent radius and boom angle change must be accounted for when applying load to hook.

**WORKING RANGE**

Telescoping mode **I**



NOTE: 1. Boom and jib geometry shown are for unloaded condition and machine standing level on firm supporting surface.  
 Boom deflection and subsequent radius and boom angle change must be accounted for when applying load to hook.



# GT-600EX RATED LIFTING CAPACITIES (BOOM)

UNIT:x1000kg

Outriggers fully extended 7.0m																				
B A	11.0m		15.0m		19.0m				27.0m				35.0m				39.0m		43.0m	
	C		C		C		C		C		C		C		C		C		C	
3.0	70	60.0	76	40.8	79	32.0	79	22.0												
3.5	67	47.5	74	40.8	78	32.0	78	22.0												
4.0	64	42.4	72	40.8	76	32.0	76	22.0	81	22.0	81	17.0								
4.5	61	38.1	70	37.8	75	32.0	75	22.0	80	22.0	80	17.0								
5.0	58	34.5	68	34.2	73	32.0	73	22.0	79	22.0	79	17.0								
5.5	55	31.4	66	31.1	72	30.9	71	21.4	78	21.3	78	17.0								
6.0	51	28.7	63	28.4	70	27.4	70	20.6	77	20.7	77	17.0	80	14.0	81	12.0				
6.5	47	26.4	61	26.1	68	24.0	68	19.8	76	20.0	76	16.3	80	14.0	80	12.0				
7.0	43	24.4	59	23.5	67	21.1	66	19.1	75	19.5	75	15.4	79	14.0	79	11.9	80	10.0		
7.5	39	22.7	57	20.9	65	18.8	65	18.5	74	18.8	73	14.6	78	13.5	78	11.5	80	10.0		
8.0	34	20.0	54	18.7	63	16.9	63	17.9	72	17.1	72	13.9	77	13.0	77	11.1	79	10.0	80	8.5
9.0	20	15.7	49	15.0	60	13.9	60	16.8	70	14.3	70	12.6	76	12.1	76	10.3	78	10.0	79	8.5
10.0			43	12.0	56	11.6	56	14.7	68	12.2	68	11.6	74	11.7	74	9.7	76	9.7	78	8.5
11.0			36	9.8	52	9.5	52	12.4	65	10.5	65	10.7	72	10.2	72	9.0	75	9.2	77	8.5
12.0			28	8.2	47	7.9	48	10.6	63	9.2	63	9.9	70	9.0	71	8.4	73	8.7	76	8.1
14.0					37	5.5	38	7.9	58	6.9	58	8.3	67	7.1	67	7.3	70	7.5	73	6.9
16.0					24	3.8	25	6.2	52	5.2	52	6.5	63	5.6	63	6.4	67	6.1	70	5.5
18.0									46	3.9	46	5.2	59	4.4	59	5.4	63	5.0	66	4.4
20.0									39	3.0	40	4.2	55	3.5	55	4.4	60	4.0	63	3.6
22.0									31	2.2	32	3.5	50	2.7	51	3.6	56	3.2	60	2.9
24.0									20	1.6	22	2.9	46	2.1	46	3.0	52	2.6	57	2.3
26.0													41	1.6	41	2.5	48	2.1	53	1.8
28.0													35	1.2	35	2.1	43	1.7	50	1.4
30.0													28	0.8	28	1.7	39	1.3	46	1.0
32.0													18	0.5	18	1.4	33	1.0	42	0.7
34.0																	26	0.8	37	0.5
36.0																	17	0.6		
D	0												18	0	17	37				
Telescoping conditions (%)																				
Telescoping mode	I ,II	I	I	II	I	II	I	II	I	II	II	I ,II								
2nd boom	0	50	100	0	100	0	100	0	100	0	50	100								
3rd boom	0	0	0	33	33	66	66	100	100	100	100	100								
4th boom	0	0	0	33	33	66	66	100	100	100	100	100								
Top boom	0	0	0	33	33	66	66	100	100	100	100	100								

- A: Boom length (m)
- B: Load radius (m)
- C: Loaded boom angle (°)
- D: Minimum boom angle (°) for indicated length (no load)

# GT-600EX RATED LIFTING CAPACITIES (BOOM)

UNIT:x1000kg

Outriggers extended to middle 4.8m																					
A B	11.0m		15.0m		19.0m		27.0m		35.0m		39.m	43.0m									
	C		C		C		C		C		C										
3.0	70	40.0	76	36.0	80	32.0	79	22.0													
3.5	67	34.0	74	29.2	78	24.5	78	22.0													
4.0	64	27.8	72	22.9	76	19.6	76	22.0	81	17.0	81	17.0									
4.5	61	22.3	70	18.6	75	16.0	74	19.1	80	14.4	80	16.4									
5.0	58	18.4	68	15.4	73	13.4	73	16.3	79	12.4	79	14.3									
5.5	55	15.4	65	13.0	71	11.3	71	14.1	77	10.7	78	12.5									
6.0	51	13.2	63	11.2	70	9.7	70	12.3	76	9.4	76	11.1	80	8.7	80	10.0					
6.5	47	11.4	61	9.6	68	8.3	68	10.9	75	8.2	75	9.9	79	7.8	80	9.0					
7.0	43	9.9	59	8.3	66	7.2	66	9.7	74	7.3	74	9.0	78	6.9	79	8.2	80	7.4			
7.5	39	8.5	57	7.3	64	6.3	64	8.7	73	6.4	73	8.1	77	6.2	78	7.5	79	6.7			
8.0	33	7.3	54	6.3	63	5.5	63	7.8	72	5.7	72	7.4	77	5.6	77	6.8	78	6.1	80	5.3	
9.0	19	5.5	49	4.9	59	4.1	59	6.4	69	4.6	70	6.1	75	4.6	75	5.7	77	5.1	78	4.4	
10.0			43	3.7	55	3.1	55	5.3	67	3.6	67	5.2	73	3.7	73	4.9	75	4.3	77	3.6	
11.0			36	2.7	51	2.2	51	4.4	65	2.9	65	4.4	71	3.0	71	4.2	74	3.6	76	3.0	
12.0			28	1.9	47	1.5	47	3.5	62	2.3	62	3.7	69	2.5	70	3.6	72	3.1	74	2.5	
14.0								38	2.3	57	1.3	57	2.7	66	1.6	66	2.7	69	2.2	71	1.6
16.0								25	1.5			52	1.9			62	2.0	66	1.5		
18.0												46	1.2			58	1.4				
20.0												39	0.7			54	0.9				
D	0		0		37		0		56		37		65		53		63		70		
Telescoping conditions (%)																					
Telescoping mode	I,II		I		I		II		I		II		I		II		II		I,II		
2nd boom	0		50		100		0		100		0		100		0		100		50		100
3rd boom	0		0		0		33		33		66		66		100		100		100		100
4th boom	0		0		0		33		33		66		66		100		100		100		100
Top boom	0		0		0		33		33		66		66		100		100		100		100

UNIT:x1000kg

Outriggers extended to minimum 2.59m										
A B	11.0m		15.0m		19.0m		27.0m		35.0m	39.m
	C		C		C		C		C	
3.0	70	17.9	76	15.0	79	12.9	79	15.5		
3.5	67	14.5	74	12.3	78	10.6	77	13.0		
4.0	64	12.0	72	10.1	76	8.8	76	11.1		
4.5	61	10.0	70	8.5	74	7.4	74	9.6		
5.0	58	8.5	67	7.1	73	6.2	73	8.3		
5.5	55	7.3	65	6.0	71	5.2	71	7.3		
6.0	51	6.2	63	5.1	70	4.3	69	6.4		
6.5	47	5.4	61	4.3	68	3.6	68	5.7		
7.0	43	4.6	59	3.7	66	3.0	66	5.0		
7.5	39	3.9	56	3.1	64	2.5	64	4.5		
8.0	33	3.3	54	2.6	63	2.0	63	4.0		
9.0	19	2.3	48	1.7	59	1.2	59	3.2		
10.0			43	1.1			55	2.5		
11.0			39	0.5			51	2.0		
12.0							47	1.5		
14.0							38	0.7		
D	0		0		58		36			
Telescoping conditions (%)										
Telescoping mode	I,II		I		I		II			
2nd boom	0		50		100		0			
3rd boom	0		0		0		33			
4th boom	0		0		0		33			
Top boom	0		0		0		33			

- A: Boom length (m)
- B: Load radius (m)
- C: Loaded boom angle (°)
- D: Minimum boom angle (°) for indicated length (no load)

## GT-600EX RATED LIFTING CAPACITIES (JIB)

Outriggers fully extended 7.0m						
Boom angle	43.0m Boom + 8.8m Jib					
	5° Tilt		25° Tilt		45° Tilt	
	R	W	R	W	R	W
81°	9.2	4.00	12.2	3.58	14.1	2.47
80°	10.2	4.00	13.3	3.50	15.1	2.44
79°	11.3	4.00	14.2	3.42	15.9	2.40
78°	12.3	4.00	15.1	3.32	16.8	2.37
77°	13.3	4.00	16.0	3.22	17.6	2.34
76°	14.2	3.85	16.9	3.12	18.5	2.32
75°	15.2	3.72	17.7	3.04	19.3	2.29
73°	17.0	3.50	19.5	2.88	21.0	2.24
70°	19.5	3.20	22.0	2.68	23.3	2.18
68°	21.4	3.03	23.6	2.56	24.8	2.14
65°	23.7	2.52	25.9	2.25	27.0	2.09
63°	25.1	2.13	27.2	1.92	28.4	1.86
60°	27.3	1.66	29.3	1.52	30.4	1.48
58°	28.8	1.40	30.7	1.28	31.7	1.24
55°	30.9	1.07	32.7	0.96	33.4	0.93
53°	32.2	0.86	33.9	0.77	34.6	0.75
50°	34.1	0.58	35.7	0.52	36.4	0.51
48°	35.3	0.43				

Outriggers fully extended 7.0m						
Boom angle	43.0m Boom + 15.2m Jib					
	5° Tilt		25° Tilt		45° Tilt	
	R	W	R	W	R	W
81°	11.3	2.60	16.2	1.69	19.5	1.17
80°	12.5	2.60	17.4	1.65	20.6	1.15
79°	13.6	2.60	18.4	1.61	21.5	1.13
78°	14.8	2.60	19.5	1.58	22.4	1.12
77°	15.9	2.56	20.4	1.54	23.4	1.10
76°	17.0	2.46	21.5	1.51	24.3	1.09
75°	18.1	2.38	22.4	1.48	25.2	1.08
73°	20.1	2.22	24.3	1.43	27.0	1.05
70°	23.0	2.01	27.2	1.35	29.4	1.02
68°	25.1	1.90	29.0	1.31	31.1	1.00
65°	27.8	1.75	31.8	1.25	33.5	0.98
63°	29.5	1.52	33.3	1.21	35.1	0.97
60°	31.8	1.14	35.7	0.99	37.1	0.95
58°	33.4	0.92	37.0	0.81	38.2	0.77
55°	35.7	0.66	39.1	0.56	40.1	0.53

Outriggers fully extended 7.0m						
Boom angle	39.0m Boom (telescoping mode II) + 8.8m Jib					
	5° Tilt		25° Tilt		45° Tilt	
	R	W	R	W	R	W
81°	8.1	4.40	11.0	3.58	13.0	2.47
80°	9.0	4.40	11.9	3.50	13.8	2.44
79°	9.9	4.40	12.8	3.42	14.7	2.40
78°	10.9	4.40	13.7	3.35	15.5	2.37
77°	11.8	4.40	14.5	3.28	16.3	2.34
76°	12.6	4.24	15.3	3.21	17.1	2.32
75°	13.5	4.09	16.1	3.15	17.8	2.29
73°	15.1	3.85	17.8	3.04	19.3	2.24
70°	17.6	3.51	20.1	2.89	21.5	2.18
68°	19.2	3.32	21.7	2.78	22.8	2.14
65°	21.5	3.07	23.8	2.61	24.8	2.09
63°	23.0	2.93	25.2	2.52	26.2	2.07
60°	25.1	2.58	27.2	2.31	28.2	2.03
58°	26.5	2.26	28.5	2.02	29.5	1.93
55°	28.3	1.83	30.3	1.65	31.1	1.59
53°	29.6	1.59	31.4	1.44	32.1	1.40
50°	31.4	1.28	33.1	1.17	33.7	1.14
48°	32.5	1.10	34.1	1.01	34.6	0.99
45°	34.2	0.87	35.6	0.80	35.9	0.79
43°	35.3	0.74	36.6	0.68		
40°	36.8	0.57	37.4	0.52		
38°	37.7	0.46	38.8	0.43		

Outriggers fully extended 7.0m						
Boom angle	39.0m Boom (telescoping mode II) + 15.2m Jib					
	5° Tilt		25° Tilt		45° Tilt	
	R	W	R	W	R	W
81°	10.2	2.60	15.0	1.69	18.3	1.17
80°	11.3	2.60	16.0	1.65	19.3	1.15
79°	12.3	2.60	16.9	1.61	20.2	1.13
78°	13.4	2.60	17.9	1.58	21.0	1.12
77°	14.4	2.56	18.8	1.54	21.9	1.10
76°	15.4	2.46	19.8	1.51	22.7	1.09
75°	16.3	2.38	20.7	1.48	23.5	1.08
73°	18.2	2.22	22.5	1.43	25.1	1.05
70°	20.9	2.01	25.1	1.35	27.4	1.02
68°	22.7	1.90	26.8	1.31	28.9	1.00
65°	25.3	1.75	29.1	1.25	31.0	0.98
63°	27.0	1.67	30.8	1.21	32.4	0.97
60°	29.4	1.56	33.0	1.16	34.4	0.95
58°	31.1	1.49	34.5	1.13	35.7	0.94
55°	33.2	1.29	36.5	1.09	37.5	0.93
53°	34.6	1.10	37.8	0.96	38.6	0.90
50°	36.6	0.85	39.4	0.74	40.0	0.71
48°	37.8	0.70	40.5	0.62	41.0	0.59
45°	39.6	0.51	42.1	0.45	42.3	0.44
43°	40.8	0.41				

R: Load radius (m)

W: Rated lifting capacity (Unit: x 1,000kg)

## GT-600EX RATED LIFTING CAPACITIES (JIB)

Outriggers fully extended 7.0m													
Boom angle	35.0m Boom (telescoping mode I) + 8.8m Jib						Boom angle	35.0m Boom (telescoping mode I) + 15.2m Jib					
	5° Tilt		25° Tilt		45° Tilt			5° Tilt		25° Tilt		45° Tilt	
	R	W	R	W	R	W		R	W	R	W	R	W
81°	7.3	4.50	10.3	3.58	12.1	2.47	81°	9.2	2.60	14.1	1.69	17.6	1.17
80°	8.1	4.50	11.1	3.50	12.8	2.44	80°	10.1	2.60	15.0	1.65	18.4	1.15
79°	8.9	4.50	11.8	3.42	13.5	2.40	79°	10.9	2.60	15.9	1.61	19.2	1.13
78°	9.7	4.50	12.5	3.35	14.2	2.37	78°	12.0	2.60	16.8	1.58	20.0	1.12
77°	10.5	4.50	13.4	3.28	14.9	2.34	77°	12.9	2.56	17.6	1.54	20.7	1.10
76°	11.3	4.50	14.1	3.21	15.6	2.32	76°	13.8	2.46	18.5	1.51	21.5	1.09
75°	12.1	4.50	14.9	3.15	16.3	2.29	75°	14.7	2.38	19.3	1.48	22.2	1.08
73°	13.6	4.50	16.3	3.04	17.7	2.24	73°	16.5	2.22	20.9	1.43	23.7	1.05
70°	16.0	4.44	18.5	2.89	19.6	2.18	70°	18.9	2.01	23.3	1.35	25.7	1.02
68°	17.4	4.21	19.8	2.80	20.9	2.14	68°	20.6	1.90	24.8	1.31	27.1	1.00
65°	19.5	3.91	21.8	2.69	22.7	2.09	65°	22.9	1.75	27.0	1.25	29.0	0.98
63°	20.8	3.53	23.1	2.62	23.9	2.07	63°	24.5	1.67	28.5	1.21	30.3	0.97
60°	22.6	2.90	25.1	2.53	25.7	2.03	60°	26.8	1.56	30.5	1.16	32.0	0.95
58°	23.9	2.52	26.2	2.27	26.9	2.01	58°	28.3	1.49	31.8	1.13	33.3	0.94
55°	25.6	2.03	27.8	1.85	28.4	1.76	55°	30.4	1.41	33.8	1.09	34.8	0.93
53°	26.8	1.75	28.9	1.61	29.4	1.54	53°	31.7	1.25	34.9	1.06	35.9	0.92
50°	28.4	1.40	30.3	1.29	30.8	1.25	50°	33.5	0.96	36.5	0.82	37.2	0.77
48°	29.5	1.20	31.4	1.11	31.7	1.08	48°	34.7	0.80	37.5	0.68	38.1	0.64
45°	31.0	0.94	32.7	0.88	32.9	0.86	45°	36.4	0.58	38.9	0.50	39.3	0.47
43°	32.0	0.79	33.6	0.74			43°	37.5	0.46				
40°	33.4	0.59	34.8	0.56									
38°	34.3	0.48	35.6	0.45									

R: Load radius (m)  
W: Rated lifting capacity (Unit: x 1,000kg)

## GT-600EX RATED LIFTING CAPACITIES (JIB)

Outriggers extended to middle 4.8m													
Boom angle	43.0m Boom + 8.8m Jib						Boom angle	43.0m Boom + 15.2m Jib					
	5° Tilt		25° Tilt		45° Tilt			5° Tilt		25° Tilt		45° Tilt	
	R	W	R	W	R	W		R	W	R	W	R	W
81°	9.2	4.00	12.6	3.16	14.1	2.47	81°	11.3	2.60	16.2	1.69	19.5	1.17
80°	10.1	3.49	12.9	2.74	15.1	2.43	80°	12.4	2.48	17.3	1.65	20.9	1.15
79°	10.9	2.99	13.6	2.38	15.8	2.13	79°	13.4	2.08	18.2	1.45	21.5	1.13
78°	11.7	2.56	14.5	2.06	16.5	1.85	78°	14.2	1.72	19.1	1.22	22.4	1.07
77°	12.6	2.18	15.2	1.77	17.2	1.60	77°	15.1	1.42	19.9	1.02	23.1	0.90
76°	13.4	1.85	16.0	1.50	18.0	1.38	76°	16.0	1.15				
75°	14.2	1.55	16.8	1.26	18.7	1.17							

Outriggers extended to middle 4.8m													
Boom angle	39.0m Boom (telescoping mode II) + 8.8m Jib						Boom angle	39.0m Boom (telescoping mode II) + 15.2m Jib					
	5° Tilt		25° Tilt		45° Tilt			5° Tilt		25° Tilt		45° Tilt	
	R	W	R	W	R	W		R	W	R	W	R	W
81°	8.1	4.40	11.0	3.58	13.0	2.47	81°	10.2	2.60	15.0	1.69	18.4	1.17
80°	9.0	4.40	11.9	3.50	13.8	2.44	80°	11.3	2.60	16.0	1.65	19.3	1.15
79°	9.9	4.21	12.7	3.30	14.6	2.40	79°	12.3	2.60	17.0	1.61	20.1	1.13
78°	10.7	3.70	13.5	2.94	15.5	2.37	78°	13.4	2.60	17.9	1.58	21.0	1.12
77°	11.4	3.25	14.3	2.62	16.3	2.34	77°	14.2	2.31	18.8	1.54	21.9	1.10
76°	12.2	2.86	15.0	2.33	16.9	2.10	76°	15.0	1.99	19.8	1.50	22.7	1.09
75°	13.0	2.52	15.7	2.06	17.7	1.88	75°	15.8	1.72	20.6	1.31	23.5	1.08
73°	14.5	1.94	17.2	1.61	19.0	1.48	73°	17.5	1.26	22.1	0.98	25.0	0.87
70°	16.8	1.26	19.3	1.06	21.0	0.99							
68°	18.3	0.91	20.7	0.76	22.2	0.72							

Outriggers extended to middle 4.8m													
Boom angle	35.0m Boom (telescoping mode I) + 8.8m Jib						Boom angle	35.0m Boom (telescoping mode I) + 15.2m Jib					
	5° Tilt		25° Tilt		45° Tilt			5° Tilt		25° Tilt		45° Tilt	
	R	W	R	W	R	W		R	W	R	W	R	W
81°	7.3	4.50	10.3	3.58	12.1	2.47	81°	9.1	2.60	14.0	1.69	17.6	1.17
80°	8.1	4.50	11.1	3.50	12.8	2.44	80°	10.1	2.60	15.0	1.65	18.4	1.15
79°	8.9	4.50	11.8	3.42	13.5	2.40	79°	11.0	2.60	15.8	1.61	19.1	1.13
78°	9.7	4.24	12.6	3.35	14.2	2.37	78°	12.0	2.60	16.7	1.58	19.9	1.12
77°	10.3	3.72	13.3	3.01	14.9	2.34	77°	12.9	2.56	17.5	1.54	20.6	1.10
76°	11.0	3.26	14.0	2.67	15.6	2.32	76°	13.8	2.40	18.4	1.51	21.5	1.09
75°	11.7	2.85	14.7	2.37	16.3	2.10	75°	14.5	2.08	19.2	1.48	22.2	1.08
73°	13.1	2.18	16.0	1.84	17.5	1.65	73°	16.1	1.55	20.7	1.14	23.5	0.96
70°	15.2	1.40	18.0	1.21	19.3	1.10	70°	18.4	0.93				
68°	16.5	1.00	19.1	0.86	20.5	0.79							

R: Load radius (m)  
W: Rated lifting capacity (Unit: x 1,000kg)

## NOTES

1. Rated lifting capacities shown in the table are based on condition that the crane is set on firm level surface. Those above bold lines are based on crane strength and those below, on its stability.
2. Rated lifting capacities based on crane stability are according to ISO 4305 / DIN 15019 part 2.
3. The mass of the hook (570kg for \*60t capacity, 410kg for \*35t capacity, 150kg for \*5.6t capacity), slings and all similarly used load handling devices must be considered as part of the load and must be deducted from the lifting capacities.

\* : Optional

4. For rated lifting capacity of single top, reduce the rated lifting capacities of relevant boom according to a weight reduction for auxiliary load handling equipment. Capacities of single top shall not exceed 5,600 kg including main hook.
5. Standard number of part lines for each boom length is as shown below. Load per line should not surpass 54.9 kN {5,600 kgf} for main winch and auxiliary winch.

Boom length	11.0m	11.0m to 15.0m	15.0m to 19.0m	19.0m to 27.0m	27.0m to 43.0m	Jib / Single top
No. of part lines	12	10	7	5	4	1

The lifting capacity data stored in the AUTOMATIC MOMENT LIMITER (AML) is based on the standard number of parts of line listed in the chart.

Maximum lifting capacity is restricted by the number of parts of line of AUTOMATIC MOMENT LIMITER (AML).

6. Without front jack extended, when the boom is within the Over-front, rated lifting capacities are different from those for the boom in the Over-side and Over-rear.

**DIMENSIONS**

