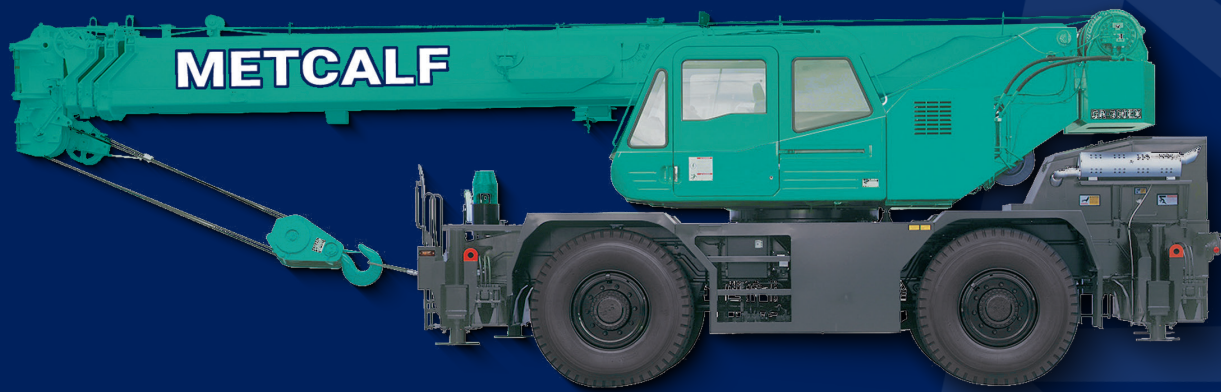


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GR-300EX-3

30t Rough Terrain





EXPERIENCE

Experienced and reliable crew.

Crane Drivers, Riggers and Dogmen. Experienced, skilled and available to ensure your project runs according to plan.

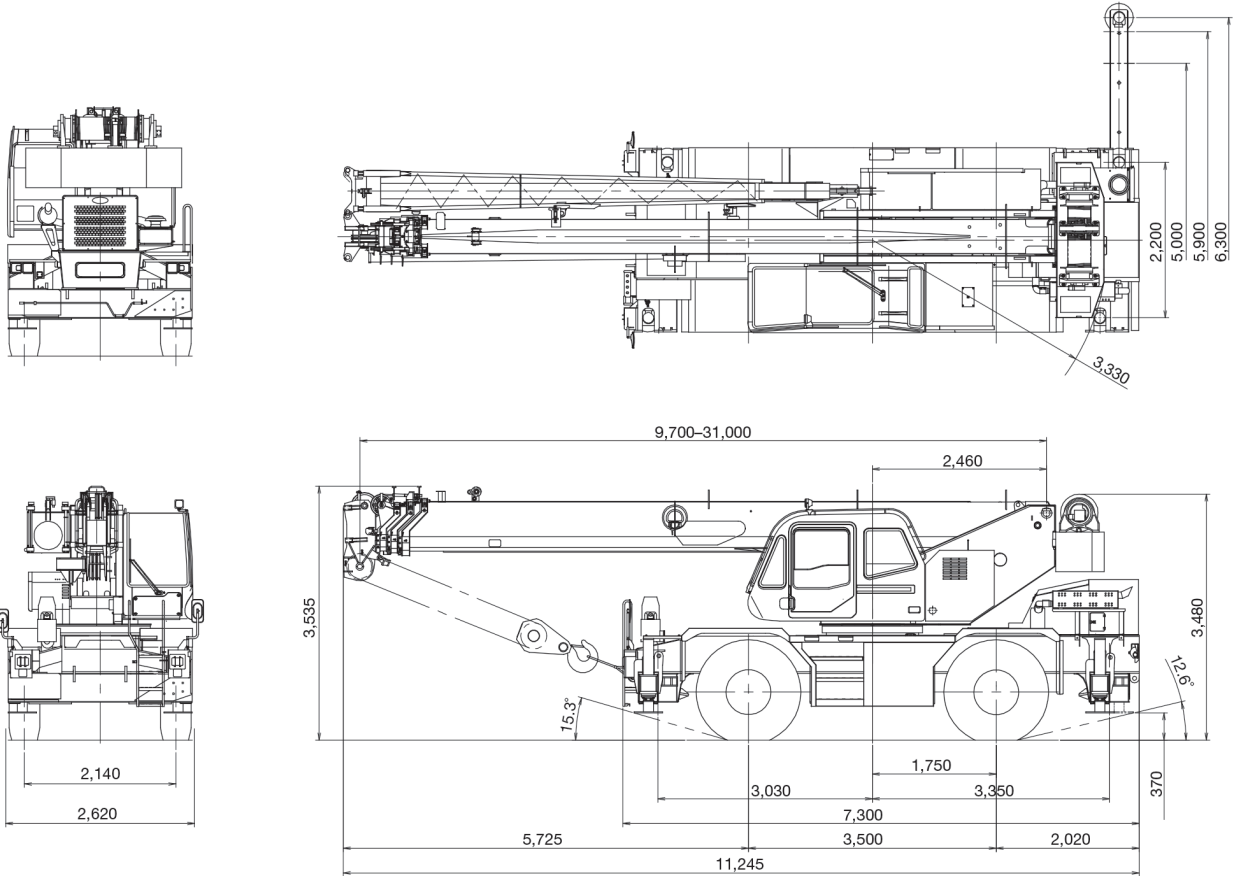


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GR-300EX-3

30T ROUGH TERRAIN

DIMENSIONS



Note : Dimension is with boom angle at 0 degree.

GENERAL DIMENSIONS

Turning radius (445/95R25 Tires)	
4 wheel steer	5.8 m
2 wheel steer	9.8 m

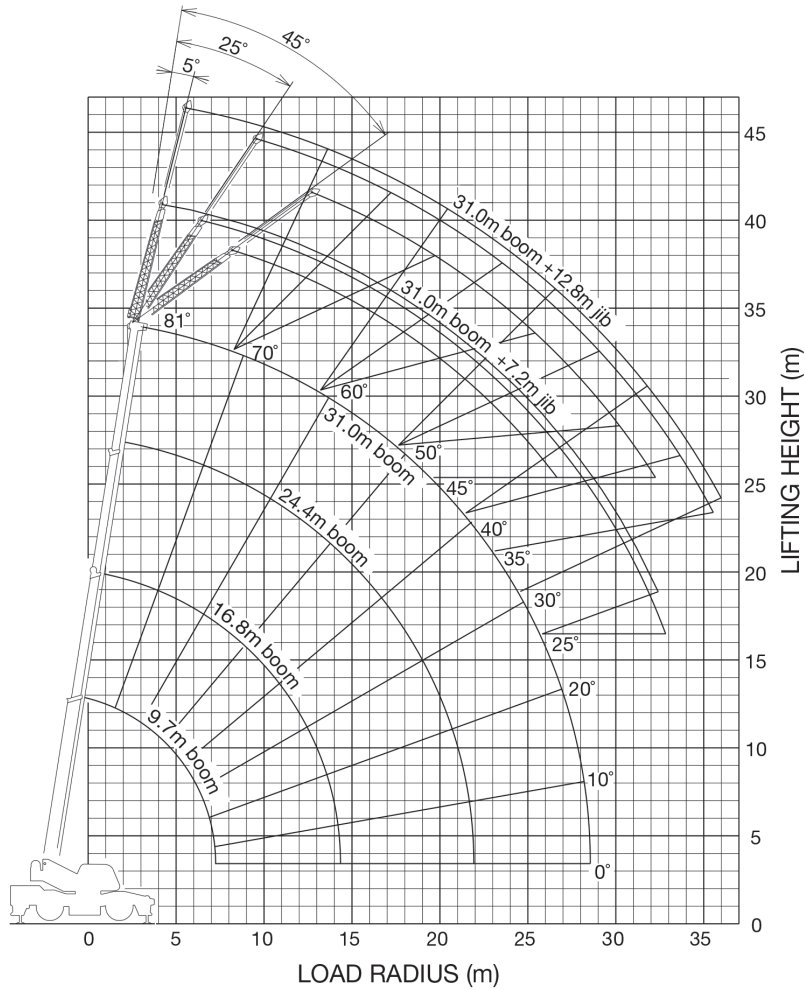
Overall length	approx. 11,245 mm
Overall width	approx. 2,620 mm
Overall height	approx. 3,535 mm

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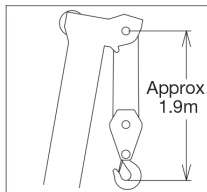
GR-300EX-3

30T ROUGH TERRAIN

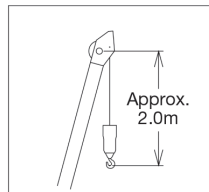
WORKING RANGE



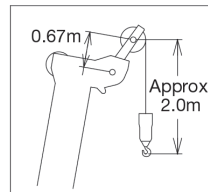
BOOM



JIB

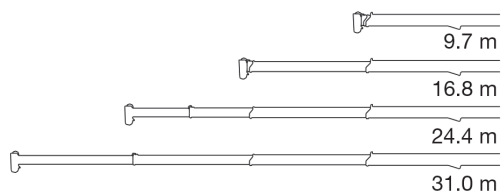


SINGLE TOP



The above lifting height and boom angle are based on a straight (unloaded) boom and machine standing level on firm supporting surface. Allowance should be made for boom deflection obtained under loaded conditions. The above working range is shown on condition with outriggers fully (6.3 m) extended.

Boom Length





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GR-300EX-3

30T ROUGH TERRAIN

RATED LIFTING CAPACITY

Load Radius (m)	Boom Length							
	9.7m		16.8m		24.4m		31.0m	
	Δ°		Δ°		Δ°		Δ°	
3.0	60.6	30.0	74.4	19.2	79.7	12.5		
3.5	57.0	27.2	72.5	19.2	78.5	12.5		
4.0	53.1	23.4	70.9	19.2	77.5	12.5	80.8	8.4
4.5	49.2	21.3	68.9	18.3	76.3	12.5	80.0	8.4
5.0	44.7	19.6	67.1	17.0	75.0	12.5	79.1	8.4
5.5	40.3	18.1	65.1	15.8	74.0	12.5	78.3	8.4
6.0	34.9	16.6	63.3	14.7	72.8	12.5	77.3	8.4
6.5	28.7	15.2	61.4	13.6	71.5	11.7	76.6	8.4
7.0	18.3	14.1	59.4	12.9	70.3	11.0	75.6	8.1
8.0			54.9	10.9	67.7	9.75	73.7	7.5
9.0			50.5	9.0	65.0	8.75	71.8	6.8
10.0			45.8	7.05	62.4	7.9	69.8	6.2
11.0			40.3	5.8	59.5	6.6	67.6	5.8
12.0			34.3	4.8	56.5	5.6	65.6	5.4
13.0			27.0	4.05	53.6	4.75	63.5	5.0
14.0			15.7	3.4	50.4	4.15	61.3	4.4
15.0					47.0	3.6	59.0	3.85
16.0					43.4	3.2	56.6	3.45
17.0					39.6	2.75	54.2	3.05
18.0					35.5	2.45	51.8	2.65
19.0					30.7	2.05	49.2	2.4
20.0					25.6	1.8	46.6	2.1
22.0							40.8	1.7
24.0							34.4	1.3
26.0							26.2	1.0
28.0							13.4	0.5
A	0°							

Δ° : Loaded boom angle (°)

A: Minimum boom angle (°) for indicated length (no load)

LIFTING CAPACITIES AT ZERO DEGREE BOOM ANGLE ON OUTRIGGERS FULLY EXTENDED 6.3m SPREAD 360° ROTATION

Boom Angle	Boom Length							
	Load Radius (m)	9.7m	Load Radius (m)	16.8m	Load Radius (m)	24.4m	Load Radius (m)	31.0m
0°	7.2	13.4	14.3	3.2	21.9	1.2	28.5	0.5

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GR-300EX-3

30T ROUGH TERRAIN



RATED LIFTING CAPACITY

Load Radius (m)	Boom Length							
	9.7m		16.8m		24.4m		31.0m	
	Δ°		Δ°		Δ°		Δ°	
3.0	60.6	30.0	74.4	19.2	79.7	12.5		
3.5	57.0	27.2	72.5	19.2	78.5	12.5		
4.0	53.1	23.4	70.9	19.2	77.5	12.5	80.8	8.4
4.5	49.2	21.3	68.9	18.3	76.3	12.5	80.0	8.4
5.0	44.7	19.6	67.1	17.0	75.0	12.5	79.1	8.4
5.5	40.3	18.1	65.1	15.8	74.0	12.5	78.3	8.4
6.0	34.9	16.6	63.3	14.7	72.8	12.5	77.3	8.4
6.5	28.7	15.2	61.4	13.6	71.5	11.7	76.6	8.4
7.0	18.3	12.9	59.4	12.6	70.3	11.0	75.6	8.1
8.0			54.9	9.65	67.7	9.75	73.7	7.5
9.0			50.5	7.7	65.0	8.75	71.8	6.8
10.0			45.8	6.25	62.1	7.05	69.8	6.2
11.0			40.3	5.15	59.4	5.95	67.6	5.8
12.0			34.3	4.2	56.5	4.95	65.5	5.3
13.0			27.0	3.5	53.4	4.2	63.2	4.5
14.0			15.7	2.9	50.2	3.55	61.1	3.85
15.0					46.9	3.05	58.8	3.35
16.0					43.3	2.6	56.5	2.85
17.0					39.5	2.25	54.0	2.5
18.0					35.2	1.85	51.6	2.2
19.0					30.6	1.6	49.1	1.85
20.0					25.1	1.35	46.4	1.6
22.0							40.4	1.15
24.0							33.6	0.8
26.0							25.6	0.55
A	0°							

Δ° : Loaded boom angle (°)

A: Minimum boom angle (°) for indicated length (no load)

LIFTING CAPACITIES AT ZERO DEGREE BOOM ANGLE ON OUTRIGGERS MID EXTENDED 5.9m SPREAD 360° ROTATION

Boom Angle	Boom Length							
	Load Radius (m)	9.7m	Load Radius (m)	16.8m	Load Radius (m)	24.4m	Load Radius (m)	31.0m
0°	7.2	12.0	14.3	2.7	21.9	0.9	28.5	0.3



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GR-300EX-3

30T ROUGH TERRAIN

RATED LIFTING CAPACITY

Load Radius (m)	Boom Length							
	9.7m		16.8m		24.4m		31.0m	
	Δ°		Δ°		Δ°		Δ°	
3.0	60.6	30.0	74.4	19.2	79.7	12.5		
3.5	57.0	27.2	72.5	19.2	78.5	12.5		
4.0	53.1	23.4	70.9	19.2	77.5	12.5	80.8	8.4
4.5	49.2	21.3	68.9	18.3	76.3	12.5	80.0	8.4
5.0	44.7	19.6	67.1	17.0	75.0	12.5	79.1	8.4
5.5	40.3	15.7	65.1	15.0	74.0	12.5	78.3	8.4
6.0	34.9	13.2	63.3	12.65	72.8	12.5	77.3	8.4
6.5	28.7	11.3	61.4	10.85	71.5	11.7	76.6	8.4
7.0	18.2	9.65	59.4	9.5	70.1	10.4	75.6	8.1
8.0			54.9	7.3	67.5	8.2	73.7	7.5
9.0			50.5	5.8	64.8	6.7	71.8	6.8
10.0			45.8	4.7	62.0	5.5	69.5	5.8
11.0			40.3	3.8	59.3	4.65	67.3	4.9
12.0			34.3	3.1	56.3	3.9	65.2	4.25
13.0			27.0	2.55	53.0	3.25	63.0	3.6
14.0			15.7	1.9	49.9	2.75	60.8	3.1
15.0					46.6	2.3	58.5	2.65
16.0					43.0	1.9	56.1	2.25
17.0					39.4	1.6	53.8	1.95
18.0					35.2	1.35	51.3	1.65
19.0					30.5	1.1	48.7	1.4
20.0					24.9	0.75	46.0	1.2
22.0							40.3	0.8
A	0°						26°	

Δ° : Loaded boom angle (°)

A: Minimum boom angle (°) for indicated length (no load)

LIFTING CAPACITIES AT ZERO DEGREE BOOM ANGLE ON OUTRIGGERS MID EXTENDED 5.0m SPREAD 360° ROTATION						
Boom Angle	Boom Length					
	Load Radius (m)	9.7m	Load Radius (m)	16.8m	Load Radius (m)	24.4m
0°	7.2	9.0	14.3	1.8	21.9	0.5

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GR-300EX-3

30T ROUGH TERRAIN



RATED LIFTING CAPACITY

Load Radius (m)	Boom Length							
	9.7m		16.8m		24.4m		31.0m	
	Δ°		Δ°		Δ°		Δ°	
3.0	60.6	13.2	74.2	13.0	79.5	12.5		
3.5	57.0	10.25	72.2	9.8	78.4	10.9		
4.0	53.1	8.0	70.5	7.8	77.2	8.8	79.9	8.0
4.5	49.2	6.7	68.4	6.45	75.9	7.25	79.0	7.2
5.0	44.7	5.7	66.8	5.3	74.6	6.2	77.9	6.05
5.5	40.3	4.7	64.6	4.4	73.3	5.2	77.0	5.45
6.0	34.9	3.85	62.8	3.65	72.0	4.4	76.1	4.8
6.5	28.7	3.3	60.9	3.05	70.6	3.8	75.1	4.25
7.0	18.3	2.7	58.7	2.6	69.5	3.3	74.1	3.65
8.0			54.6	1.85	66.7	2.4	72.3	2.75
9.0			50.2	1.2	64.1	1.75	70.3	2.05
10.0			45.1	0.55	61.3	1.35	68.3	1.5
11.0					58.7	0.95	66.2	1.2
12.0					55.9	0.55	64.3	0.9
13.0							62.2	0.5
A	0°		40°		53°		60°	

Δ° : Loaded boom angle (°)

A: Minimum boom angle (°) for indicated length (no load)

LIFTING CAPACITIES AT ZERO DEGREE BOOM ANGLE ON OUTRIGGERS MIN EXTENDED 2.2m SPREAD 360° ROTATION

Boom Angle	Boom Length	
	Load Radius (m)	9.7m
0°	7.2	2.5



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GR-300EX-3

30T ROUGH TERRAIN

RATED LIFTING CAPACITY - FLY JIB

		ON OUTRIGGERS FULLY EXTENDED 6.3m SPREAD 360° ROTATION											
Boom Angle in Degree	Boom Length						Boom Angle in Degree	Boom Length					
	31m Boom + 7.2m Jib							31m Boom + 12.8m 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	
80°	5.9	3.5	8.1	2.4	9.8	1.7	80°	7.7	2.2	11.7	1.2	14.6	0.8
77.5°	7.7	3.5	9.8	2.3	11.4	1.65	77.5°	9.8	2.15	13.5	1.15	16.3	0.78
75°	9.4	3.5	11.4	2.2	12.9	1.6	75°	11.8	2.1	15.3	1.1	17.9	0.75
72.5°	11.2	3.23	13.0	2.1	14.4	1.55	72.5°	13.6	1.93	17.1	1.05	19.4	0.73
70°	12.7	2.95	14.6	2.0	15.8	1.5	70°	15.5	1.75	18.8	1.0	21.0	0.7
67.5°	14.3	2.75	16.1	1.93	17.2	1.45	67.5°	17.2	1.63	20.5	0.95	22.5	0.68
65°	15.8	2.55	17.5	1.85	18.6	1.4	65°	18.9	1.5	22.0	0.9	23.9	0.65
62.5°	17.3	2.35	19.0	1.8	19.9	1.38	62.5°	20.6	1.4	23.6	0.88	25.2	0.65
60°	18.7	2.15	20.4	1.75	21.2	1.35	60°	22.3	1.3	25.1	0.85	26.6	0.65
57.5°	20.0	1.95	21.6	1.65	22.4	1.33	57.5°	23.8	1.23	26.4	0.8	27.8	0.65
55°	21.4	1.75	22.9	1.55	23.6	1.3	55°	25.4	1.15	27.9	0.75	29.0	0.65
52.5°	22.6	1.55	24.0	1.38	24.7	1.23	52.5°	26.8	1.1	29.2	0.73	30.2	0.63
50°	23.9	1.35	25.2	1.2	25.7	1.15	50°	28.3	1.05	30.5	0.7	31.4	0.6
47.5°	25.0	1.18	26.3	1.1	26.7	1.1	47.5°	29.6	0.9	31.7	0.68	32.5	0.6
45°	26.0	1.0	27.3	1.0	27.7	1.0	45°	30.8	0.75	32.8	0.65	33.5	0.6
42.5°	27.1	0.9	28.2	0.9			42.5°	32.0	0.68	33.8	0.6		
40°	28.1	0.8	29.1	0.8			40°	33.1	0.6	34.8	0.55		
37.5°	29.0	0.7	30.0	0.7			37.5°	34.2	0.53	35.7	0.48		
35°	30.0	0.6	30.8	0.6			35°	35.2	0.45	36.5	0.4		
32.5°	30.8	0.53	31.5	0.53			32.5°	36.1	0.4				
30°	31.6	0.45	32.2	0.45			30°	37.0	0.35				
27.5°	32.3	0.4	32.8	0.38									
25°	33.0	0.35	33.4	0.3									

R : Load Radius (m)

W : Rated Lifting Capacity (UNIT: x1000kg)

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GR-300EX-3

30T ROUGH TERRAIN



RATED LIFTING CAPACITY - FLY JIB

		ON OUTRIGGERS MID EXTENDED 5.9m SPREAD 360° ROTATION										
Boom Angle in Degree	Boom Length						Boom Length					
	31m Boom + 7.2m Jib						31m Boom + 12.8m 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
80°	5.9	3.5	8.1	2.4	9.8	1.7	7.7	2.2	11.7	1.2	14.6	0.8
77.5°	7.7	3.5	9.8	2.3	11.4	1.65	9.8	2.15	13.5	1.15	16.3	0.78
75°	9.4	3.5	11.4	2.2	12.9	1.6	11.8	2.1	15.3	1.1	17.9	0.75
72.5°	11.2	3.23	13.0	2.1	14.4	1.55	13.6	1.93	17.1	1.05	19.4	0.73
70°	12.7	2.95	14.6	2.0	15.8	1.5	15.5	1.75	18.8	1.0	21.0	0.7
67.5°	14.3	2.75	16.1	1.93	17.2	1.45	17.2	1.63	20.5	0.95	22.5	0.68
65°	15.8	2.55	17.5	1.85	18.6	1.4	18.9	1.5	22.0	0.9	23.9	0.65
62.5°	17.3	2.35	19.0	1.8	19.9	1.38	20.6	1.4	23.6	0.88	25.2	0.65
60°	18.7	2.15	20.4	1.75	21.2	1.35	22.3	1.3	25.1	0.85	26.6	0.65
57.5°	20.0	1.88	21.6	1.6	22.4	1.33	23.8	1.23	26.4	0.8	27.8	0.65
55°	21.4	1.6	22.9	1.45	23.6	1.3	25.4	1.15	27.9	0.75	29.0	0.65
52.5°	22.6	1.35	24.0	1.25	24.7	1.15	26.8	1.0	29.2	0.73	30.2	0.63
50°	23.9	1.1	25.1	1.05	25.7	1.0	28.2	0.85	30.4	0.7	31.3	0.6
47.5°	25.0	0.95	26.1	0.9	26.7	0.88	29.5	0.73	31.6	0.63	32.3	0.55
45°	26.0	0.8	27.1	0.75	27.7	0.75	30.7	0.6	32.7	0.55	33.3	0.5
42.5°	27.1	0.68	28.1	0.63			31.9	0.48	33.7	0.45		
40°	28.1	0.55	29.0	0.5			33.1	0.35	34.7	0.35		
37.5°	29.0	0.48	29.8	0.43								
35°	30.0	0.4	30.7	0.35								

R : Load Radius (m)

W : Rated Lifting Capacity (UNIT: x1000kg)



TADANO

GR-300EX-3

30T ROUGH TERRAIN

RATED LIFTING CAPACITY - FLY JIB

		ON OUTRIGGERS MID EXTENDED 5.0m SPREAD 360° ROTATION					
Boom Angle in Degree	Boom Length						
	31m Boom + 7.2m Jib						
	5° Tilt		25° Tilt		45° Tilt		
	R	W	R	W	R	W	
80°	5.9	3.5	8.1	2.4	9.8	1.7	
77.5°	7.7	3.5	9.8	2.3	11.4	1.65	
75°	9.4	3.5	11.4	2.2	12.9	1.6	
72.5°	11.2	3.23	13.0	2.1	14.4	1.55	
70°	12.7	2.95	14.6	2.0	15.8	1.5	
67.5°	14.3	2.7	16.1	1.93	17.2	1.45	
65°	15.8	2.45	17.5	1.85	18.6	1.4	
62.5°	17.1	2.05	18.9	1.65	19.9	1.38	
60°	18.6	1.65	20.2	1.45	21.1	1.35	
57.5°	19.8	1.38	21.5	1.23	22.3	1.15	
55°	21.1	1.1	22.7	1.0	23.4	0.95	
52.5°	22.4	0.93	23.9	0.83	24.5	0.8	
50°	23.6	0.75	25.0	0.65	25.5	0.65	
47.5°	24.8	0.6	26.1	0.5	26.6	0.5	
45°	25.9	0.45	27.1	0.35	27.5	0.35	

Boom Angle in Degree	Boom Length					
	31m Boom + 12.8m Jib					
	5° Tilt		25° Tilt		45° Tilt	
	R	W	R	W	R	W
80°	7.7	2.2	11.7	1.2	14.6	0.8
77.5°	9.8	2.15	13.5	1.15	16.3	0.78
75°	11.8	2.1	15.3	1.1	17.9	0.75
72.5°	13.6	1.93	17.1	1.05	19.4	0.73
70°	15.5	1.75	18.8	1.0	21.0	0.7
67.5°	17.2	1.63	20.5	0.95	22.5	0.68
65°	18.9	1.5	22.0	0.9	23.9	0.65
62.5°	20.6	1.38	23.6	0.88	25.2	0.65
60°	22.2	1.25	25.1	0.85	26.6	0.65
57.5°	23.7	1.03	26.5	0.75	27.8	0.65
55°	25.1	0.8	27.7	0.65	29.0	0.65
52.5°	26.5	0.65	29.0	0.55	30.2	0.55
50°	27.9	0.5	30.3	0.45	31.2	0.45

R : Load Radius (m)
W : Rated Lifting Capacity (UNIT: x1000kg)

TADANO

GR-300EX-3

30T ROUGH TERRAIN



RATED LIFTING CAPACITY - RUBBER

ON RUBBER STATIONARY (Unit: x1000 kg)												
B \ A	Over Front						360° Rotation					
	9.7 m		16.8 m		24.4 m		9.7 m		16.8 m		24.4 m	
	C		C		C		C		C		C	
3.0	60.6	18.0					60.6	11.0				
3.5	56.8	17.0					57.1	9.0				
4.0	53.0	15.0					53.5	7.3				
4.5	49.2	12.7	68.8	11.0			49.7	5.7	68.5	5.5		
5.0	44.9	10.6	66.9	9.5			45.4	4.9	66.3	4.5		
5.5	39.9	9.0	64.9	8.0			40.8	4.0	64.6	3.7		
6.0	34.6	7.7	63.1	7.0			35.3	3.2	62.5	3.1		
6.5	27.7	6.6	61.1	6.1			28.9	2.75	60.9	2.5		
7.0	17.7	5.7	59.0	5.3			20.5	2.27	58.6	2.1		
8.0			54.6	4.25	67.2	5.0			54.6	1.4	66.9	2.2
9.0			50.0	3.45	64.3	3.9			49.9	0.85	64.3	1.6
10.0			45.2	2.65	61.6	3.15					61.6	1.1
11.0			40.1	2.1	58.8	2.55					58.7	0.8
12.0			33.8	1.6	55.9	2.1						
13.0			26.5	1.2	52.9	1.75						
14.0			15.7	0.75	49.7	1.4						
15.0					46.7	1.1						
16.0					43.1	0.85						
17.0					39.4	0.6						
D												
				0°		28°		0°		44°		56°

LIFTING CAPACITIES AT ZERO DEGREE BOOM ANGLE ON RUBBER STATIONARY											
C \ A	Over Front						360° Rotation				
	9.7 m		16.8 m				9.7 m				
	B		B				B				
0°	7.2	5.4	14.3	0.7			7.2	2.1			

ON RUBBER CREEP (Unit: x 1,000 kg)												
B \ A	Over Front						360° Rotation					
	9.7 m		16.8 m		24.4 m		9.7 m		16.8 m		24.4 m	
	C		C				C		C		C	
3.0	60.6	18.0					60.6	10.0				
3.5	56.8	15.45					57.0	8.0				
4.0	53.0	13.0					53.3	6.5				
4.5	49.0	11.1	68.6	9.7			49.2	5.1	68.6	5.1		
5.0	44.7	9.3	66.6	8.4			44.4	4.3	66.6	4.2		
5.5	39.8	7.95	64.6	7.0			39.6	3.7	64.7	3.5		
6.0	34.7	6.7	62.8	6.0			34.0	3.0	62.7	2.7		
6.5	28.0	5.75	60.8	5.3			27.0	2.5	60.7	2.35		
7.0	18.2	5.0	58.7	4.65			18.1	1.95	58.9	1.85		
8.0			54.4	3.6	67.0	4.3			54.5	1.3	67.0	1.9
9.0			49.9	2.8	64.3	3.4			50.2	0.75	64.3	1.35
10.0			45.1	2.3	61.7	2.8					61.7	0.9
11.0			39.6	1.8	58.8	2.25					58.8	0.6
12.0			33.3	1.35	56.0	1.8						
13.0			26.0	1.0	52.9	1.5						
14.0			14.6	0.6	49.7	1.2						
15.0					46.4	0.95						
16.0					42.9	0.6						
D												
				0°		31°		0°		44°		56°

LIFTING CAPACITIES AT ZERO DEGREE BOOM ANGLE ON RUBBER CREEP											
C \ A	Over Front						360° Rotation				
	9.7 m		16.8 m				9.7 m				
	B		B				B				
0°	7.2	4.7	14.3	0.5			7.2	1.8			