

**GR-700N** (I)

6-section boom

3-section fully-automatic jib

H-type outrigger

# 00

SPECIFICATIONS

<ul> <li>SPEC</li> <li>CRANE</li> </ul>	IFICATIONS								
	9.8-m boom	70,000 kg × 2.1m (8 parts of line × 2)							
	16,6-m boom	$32,000 \text{ kg} \times 5.5 \text{ m}$ (8 parts of line)							
	23.5-m boom	$24,000 \text{ kg} \times 5.5 \text{ m}$ (6 parts of line)							
	30.3-m boom	$12,500 \text{ kg} \times 10.0 \text{ m}$ (4 parts of line)							
	37,2-m boom	$12,000 \text{ kg} \times 10.0 \text{ m}$ (4 parts of line)							
CRANE	41.2-m boom	10,000 kg × 11.0 m (4 parts of line)							
CAPACITY	44.0-m boom	8,200 kg × 12.0 m (4 parts of line)							
	8,4-m jib	4,000 kg × 77° (1 part of line)							
	13.1-m jib	2,800 kg × 74° (1 part of line)							
	17.7-m jib	$1,500 \text{ kg} \times 84^{\circ}$ (1 part of line)							
MANDALINA	Single top Boom	, , , , , , , , , , , , , , , , , , , ,							
MAXIMUM LIFTING HEIGHT		45.2 m							
	Jib	63.0 m							
	Boom	34.0 m (standard capability), 40.0 m (front special capabilit							
LOAD RADIUS	Jib	39.8 m (standard capability), 45.5 m (front special capabilit							
BOOM LEN		9.8 m-44.0 m							
	COPING LENGTH	34.2 m							
BOOM EXTE	ENSION SPEED	34.2 m/124 s							
JIB LENGTI	H	8.4 m-17.7 m							
WINDING SPEED	Main winch	131 m/min (5 layers)							
(Rope speed)	Auxiliary winch	114 m/min (3 layers)							
HOOK WINDING	Main winch	16.3 m/min (8 parts of line)							
SPEED	Auxiliary winch	114 m/min (1 part of line)							
UNWINDING SPEED		Standard: 131 m/min (5 layers), high speed: 201 m/min (5 layers							
(Rope speed) [Reference]	Auxiliary winch	Standard: 114 m/min (3 Javers), high speed: 174 m/min (3 Javers)							
	ATION ANGLE	0°-84°							
	ATION SPEED	0°-84°/58 s							
SLEWING A		360° continuous							
SLEWING S									
		2.1min <sup>-1</sup> {rpm}							
WIRE ROPE	Main winch	Dia. 18 mm × length 238 m rotation-resistant wire rope							
BOOM	Auxiliary winch	Dia. 18 mm × length 133 m rotation-resistant wire rope Round-construction, 6-section, hydraulic telescoping type (2nd and 3rd sections synchronized, 4th, 5th and 6th sections synchronized)							
	COPING SYSTEM	3 double-acting hydraulic cylinders, 2 wire rope boom telescoping system							
JIB		Quick-turn type (stored alongside and below boom) 3-section (hydraulically telescoping 37 section), offset (5°–60°) Hydraulic stepless tilt ty							
SINGLE TO	P	Fixed on top boom section							
HOISTING		Driven by hydraulic motor and via bevel gear reducer, automatic brake, high-sper unwind function, 2 single winches, pressure compensated flow control valve							
	ATING SYSTEM	2 double-acting hydraulic cylinder, pressure compensated flow control val							
SLEWING S		Driven by hydraulic own dor, preserve comperiodate non-orner val Driven by hydraulic motor and via bevel gear reducer, ball bearing typ free slewing/lock switchable type, negative brake							
OUTRIGGE	R	Fully hydraulic H-type (floats mounted integrally), slides and jacks each provided with independent operation device							
0055 17 -		Extension width: maximum: 7.6 m, middle: 7.2 m, 5.28 m, 4.28 m, minimum: 2.36							
	N METHOD	Hydraulic pilot operation type							
	D OF OUTRIGGER	42.3 t							
POWER TA		PTO wet multiplate clutch type							
HYDRAUL	C PUMP	Tandem variable piston pump, tandem gear pump							
SAFETY DE	EVICES	Automatic moment limiter (AML), slewing automatic stop device, elevation slow down and stop device, over-winding cutout device working area control device, outrigger extension width detector, boom telescoping cylinder hydraulic lock device, boom elevating cylinder hydraulic lock device, power tilt cylinder hydraulic lock device, level gauge, hydraulic safety valve, jack cylinder hydraulic lock device, slewing lock device, jib telescoping cylinder hydrauli lock device, hook safety latch							
STANDARD	) EQUIPMENT	Air conditioner with dehumidifier function, hydraulic oil temperature display lamp, AM/FM radio, oil cooler, visual drum indicator Operation pedals ISO arrangement: for telescoping and for auxiliary win Tadano arrangement: for elevating and for telescoping Mobile communication device (HELLO-NET Owner's Site), fuel consumptio monitor. eco mode							

monitor, eco mode

Wood blocks (4), aluminum base blocks (4), loudspeaker

ACCESSORIES

NAME A	ND MODEL	Tadano UDS-T008						
⊢	Name	Cummins QSL9-4A (with turbocharger and air cooling)						
	Model	Water-cooled, 4-cycle, 6-cyclinder, direct injection diesel engine						
ENGINE	Piston displacement	8.849 L						
	Maximum output	276kW {375PS}/1,900 min <sup>-1</sup> {rpm}						
	Maximum torque	1,491N·m {152kgf·m}/1,500 min-1 {rpm}						
TORQUE	CONVERTER	3-element, 1-section (with automatic lock-up mechanism)						
TRANSM	IISSION	Automatic and manual transmission, power shift type (wet multiplate clutch) 4 forward and 1 reverse speeds (with Hi/Low settings)						
SPEED F	REDUCER	Axle two-stage deceleration (2, 3, 4 axles)						
DRIVING	METHOD	4WD (8×4)/6WD (8×6) switchable type						
AXLE (A	axles)	Full-floating type						
SUSPENS	ON (All axles)	Hydraulic pneumatic suspension (with hydraulic lock cylinder						
STEERIN	G	Fully hydraulic power steering						
	Service brake	Hydro-pneumatic disc brake						
	Parking brake	Mechanical drive shaft internal expanding type (2, 4 axle						
BRAKE	Auxiliary brake	Permanent magnetic retarder, engine retarder, auxiliary braking device for operations						
FRAME		Welded box-shaped structure						
BATTER	(	Two 12 V, 120 Ah (24 V)						
	K CAPAC <b>I</b> TY	400 L						
1022 // 11	Front	385/95 R25 170E ROAD						
TIRES	Rear	385/95 R25 170E ROAD						
САВ		Crew capacity: 1 person, with interior fittings, liquid-sealed rubber mounted type, fully adjustable folding seat (with head rest, arm rest and seat belt), adjustable handle (tilt, telescoping), intermittent front and ceiling wipers (with washers), power windows, side visor						
SAFETY	DEVICES	Emergency steering device, suspension lock unit, rear wheel steering lock device, engine over-run alarm, over-shift prevention device parking brake alarm, boom left/right side monitor TV						

OPTIONS

Winch drum monitor camera, rear monitor camera, AML external warning lamp, road shoulder lamp, marker lamp, external voice alarm, discharge head lamp

#### DIMENSIONS WHEN TRAVELING

Overall le	ngth	12,765 mm					
Overall w	ridth	2,780 mm					
Overall h	eight	3,750 mm					
Wheel ba	ise	1,500 mm + 4,000 mm + 1,500 mm					
Track	Front	2,330 mm					
TTACK	Rear	2,330 mm					

#### ● TRAVELING CAPABILITY

Maximum traveling speed	49 km/h
Gradeability (tan $\theta$ )	0.46
Minimum turning radius	7.5 m (eight-wheel steering mode))
Minimum turning radius	11.5 m (front four-wheel steering mode)

#### • WEIGHT

-	
Gross vehicle weight	41,295 kg
Front-front axle load	10,240 kg
Front-rear axle load	10,500 kg
Rear-front axle load	10,320 kg
Rear-rear axle load	10,235 kg



#### RATED LIFTING CAPACITIES Using outriggers

	[B	OOM]	STAN	DARD	CAPAE	BILITY	Unit: (t)
OL	JTR <b>I</b> GG	ER MAX	IMUM E	XTENS	ON (7.6	m) -	360° -
\Boom length Load radius \	* 9.8 m	16.6 m	23.5 m	30.3 m	37.2 m	41.2 m	44.0 m
2.1 m	70.0						
2.8 m	60.0	32.0	24.0	12.5			
3.0 m	56.5	32.0	24.0	12.5			
3.5 m	51.9	32.0	24.0	12.5	12.0		
4.0 m	48.6	32.0	24.0	12.5	12.0	10.0	
4.5 m	44.3	32.0	24.0	12.5	12.0	10.0	8.2
5.0 m	39.5	32.0	24.0	12.5	12.0	10.0	8.2
5.5 m	35.7	32.0	24.0	12.5	12.0	10.0	8.2
6.0 m	32.5	31.3	22.9	12.5	12.0	10.0	8.2
6.5 m	29.4	29.1	21.4	12.5	12.0	10.0	8.2
7 <b>.</b> 0 m		26.4	20.1	12.5	12.0	10.0	8.2
8.0 m		22.0	17.9	12.5	12.0	10.0	8.2
9.0 m		17.3	16.0	12.5	12.0	10.0	8.2
10 <b>.</b> 0 m		14.5	13.3	12.5	12.0	10.0	8.2
11.0 m		12.0	11.0	12.3	11.1	10.0	8.2
12 <b>.</b> 0 m		10.0	9.5	10.3	10.3	9.4	8.2
13 <b>.</b> 0 m		8.45	8.3	9.2	9.4	8.75	8.0
14.0 m			7.05	8.0	8.1	8.1	7.55
16.0 m			5.1	6.0	6.5	6.4	6.7
18.0 m			3.7	4.55	5.05	5.25	5.3
20 <b>.</b> 0 m			2.7	3.5	3.95	4.15	4.3
22.0 m				2.65	3.1	3.3	3.4
24 <b>.</b> 0 m				2.0	2.45	2.6	2.7
26 <b>.</b> 0 m				1.4	1.9	2.05	2.15
27 <b>.</b> 0 m				1.15	1.65	1.8	1.9
28 <b>.</b> 0 m					1.4	1.6	1.7
30.0 m					0.95	1.2	1.3
32 <b>.</b> 0 m					0.6	0.8	0.9
33 <b>.</b> 0 m						0.65	0.75
34.0 m						0.5	0.6
A (° )		0-84	(* 65)		14-84	30-84	37-84
Standard hook	35-t hook × 2			35-t	hook		

	[BC	)OM] :	STAND	ARD C	APAB	LITY	Unit: (t
OUT	RIGGE	r M <b>i</b> ddi	LE EXTE	INS <b>I</b> ON	(7.2 m)	- Ove	r side -
Boom length Load radius	* 9.8 m	16.6 m	23.5 m	30.3 m	37.2 m	41.2 m	44.0 m
2.8 m	55.0	32.0	24.0	12.5			
3.0 m	55.0	32.0	24.0	12.5			
3.5 m	50.0	32.0	24.0	12.5	12.0		
4.0 m	48.0	32.0	24.0	12.5	12.0	10.0	
4.5 m	43.5	32.0	24.0	12.5	12.0	10.0	8.2
5.0 m	39.5	32.0	24.0	12.5	12.0	10.0	8.2
5.5 m	35.5	32.0	24.0	12.5	12.0	10.0	8.2
6.0 m	32.0	31.3	22.9	12.5	12.0	10.0	8.2
6.5 m	29.4	29.1	21.4	12.5	12.0	10.0	8.2
7.0 m		26.4	20.1	12.5	12.0	10.0	8.2
8.0 m		21.1	17.9	12.5	12.0	10.0	8.2
9.0 m		16.3	16.0	12.5	12.0	10.0	8.2
10.0 m		13.2	13.1	12.5	12.0	10.0	8.2
11.0 m		10.8	10.7	11.8	11.1	10.0	8.2
12 <b>.</b> 0 m		9.05	8.95	9.9	10.3	9.4	8.2
13.0 m		7.6	7.45	8.45	9.05	8.75	8.0
14.0 m			6.3	7.25	7.8	8.0	7.55
16.0 m			4.5	5.4	5.9	6.15	6.3
18.0 m			3.25	4.05	4.6	4.8	4.95
20.0 m			2.25	3.05	3.6	3.8	3.9
22.0 m				2.3	2.8	3.0	3.1
24.0 m				1.65	2.1	2.35	2.45
26.0 m				1.05	1.6	1.8	1.9
27.0 m				0.85	1.35	1.55	1.65
28.0 m					1.1	1.3	1.4
30.0 m					0.7	0.9	1.0
31.0 m					0.5	0.7	0.85
32 <b>.</b> 0 m						0.55	0.65
33.0 m							0.5
A (° )		0-84	(* 65)		24-84	33-84	39-84
Standard hook	35-t hook × 2			35-t	hook		

	[BC	OM]:	STAND	ARD C	APABI	_ITY	Unit: (
OUT	RIGGEF	R M <b>I</b> DDL	E EXTE	NS <b>I</b> ON (	5.28 m)	- Ove	r side -
Boom length Load radius	* 9.8 m	16.6 m	23.5 m	30.3 m	37.2 m	41.2 m	44.0 n
2.8 m	50.0	32.0	24.0	12.5			
3.0 m	50.0	32.0	24.0	12.5			
3.5 m	46.5	32.0	24.0	12.5	12.0		
4.0 m	41.8	32.0	24.0	12.5	12.0	10.0	
4.5 m	37.8	32.0	24.0	12.5	12.0	10.0	8.2
5.0 m	31.3	30.6	24.0	12.5	12.0	10.0	8.2
5.5 m	25.6	24.8	24.0	12.5	12.0	10.0	8.2
6.0 m	21.5	20.7	20.6	12.5	12.0	10.0	8.2
6.5 m	18.2	17.6	17.4	12.5	12.0	10.0	8.2
7.0 m		15.4	15.2	12.5	12.0	10.0	8.2
8.0 m		12.0	11.9	12.5	12.0	10.0	8.2
9.0 m		9.4	9.3	10.4	10.8	10.0	8.2
10.0 m		7.6	7.4	8.4	9.0	9.2	8.2
11.0 m		6.1	5.95	6.95	7.45	7.7	7.8
12.0 m		5.0	4.85	5.75	6.25	6.5	6.65
13.0 m		4.1	3.9	4.8	5.3	5.55	5.7
14.0 m			3.15	4.0	4.5	4.7	4.9
15.0 m			2.45	3.35	3.85	4.05	4.2
16.0 m			1.85	2.8	3.25	3.45	3.65
17.0 m			1.3	2.3	2.8	3.0	3.15
18.0 m			0.85	1.85	2.35	2.55	2.7
19.0 m				1.45	1.95	2.15	2.3
20.0 m				1.05	1.6	1.85	1.95
21.0 m				0.75	1.3	1.5	1.6
22.0 m					1.0	1.2	1.3
23.0 m					0.7	0.95	1.05
24.0 m						0.7	0.8
25.0 m							0.6
A (° )	0-84	(* 65)	22-84	37-84	47-84	51-84	54-84
Standard hook	35-t hook × 2			35-t	hook		
Note: Thos wher			re the value e is attach		boom ang	le range (w	ith no loa

A: boom angle range (with no load) Note: Those marked with the \* are the values for when the heavy-load device is attached.

ote: Those marked with the \* are the values for when the heavy-load device is attached.

[BOOM] STANDARD CAPABILITY Unit: (t) OUTRIGGER MIDDLE EXTENSION (4.28 m) - Over side -9.8 m 16.6 m 23.5 m 30.3 m 37.2 m 41.2 m 44.0 m oad radius 2.8 m 45.0 32.0 24.0 12.5 32.0 24.0 12.5 3.0 m 45.0 3.5 m 42.0 32.0 24.0 12.5 12.0 4.0 m 33.0 31.0 24.0 12.5 12.0 10.0 4.5 m 25.7 23.5 12.5 12.0 10.0 8.2 25.1 5.0 m 20.8 20.3 20.0 12.5 12.0 10.0 8.2 5.5 m 17.3 16.9 12.5 8.2 16.7 12.0 10.0 6.0 m 14.7 14.3 14.1 12.5 12.0 10.0 8.2 12.5 12.0 10.0 8.2 6.5 m 12.4 12.3 12.1 8.2 7.0 m 10.7 10.5 11.7 11.8 10.0 9.8 8.0 m 8.2 8.05 9.1 9.65 8.2 9.0 m 6.4 6.25 7.25 7.8 8.05 7.8 10**.**0 m 5.05 4.9 5.85 6.35 6.65 6.75 11.0 m 4.0 3.85 4.75 5.25 5.5 5.6 12.0 m 3.15 3.0 3.9 4.35 4.55 4.7 2.45 13.0 m 2.2 3.15 3.6 3.8 3.95 14.0 m 1.55 2.5 2.95 3.2 3.3 15**.**0 m 0.95 1.95 2.45 2.65 2.8 16.0 m 0.5 1.5 2.35 2.0 2.2 17**.**0 m 1.05 1.6 1.8 1.95 18.0 m 1.2 1.45 1.55 19**.**0 m 1.25 0.9 1.1 20**.**0 m 0.8 0.95 21.0 m 0.65 0.55 A (° ) 0-84 (\* 65) 38-84 46-84 53-84 57-84 60-84 Standard hook 35-t hook × 2 35-t hook

Note: Those marked with the \* are the values for A: boom angle range (with no load) when the heavy-load device is attached.

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[BOOM] STANDARD CAPABILITY Unit: (t)											
GGER	MINIMU	JM EXTE	INSION	(2.36 m	) - Ove	r side -					
9.8 m	16.6 m	23.5 m	30.3 m	37.2 m	41.2 m	44.0 m					
23.5	20.0	14.0	10.0								
21.1	18.0	14.0	10.0								
16.1	15.7	14.0	10.0	9.0							
12.7	12.4	12.1	10.0	9.0	7.5						
10.3	10.0	9.8	10.0	9.0	7.5	6.5					
8.5	8.25	8.05	9.15	9.0	7.5	6.5					
7.15	6.85	6.65	7.7	8.3	7.5	6.5					
6.05	5.75	5.55	6.55	7.15	7.35	6.5					
5.05	4.8	4.65	5.6	6.15	6.4	6.3					
	4.1	3.9	4.85	5.4	5.6	5.75					
	2.8	2.65	3.6	4.1	4.35	4.45					
	1.85	1.65	2.6	3.1	3.3	3.4					
	1.0	0.8	1.8	2.3	2.5	2.6					
			1.15	1.65	1.85	1.95					
				1.15	1.35	1.45					
					0.9	1.0					
0-84	39-84	58-84	64-84	68-84	70-84	72-84					
		3	35-t hoo	k							
	9.8 m 23.5 21.1 16.1 12.7 10.3 8.5 7.15 6.05 5.05	9.8 m         16.6 m           23.5         20.0           21.1         18.0           16.1         15.7           12.7         12.4           10.3         10.0           8.5         8.25           7.15         6.85           6.05         5.75           5.05         4.8           4.1         2.8           1.85         1.0           1.0         1.0           1.0         1.0	9.8 m         16.6 m         23.5 m           23.6         20.0         14.0           21.1         18.0         14.0           16.1         15.7         14.0           12.7         12.4         12.1           10.3         10.0         9.8           8.5         8.25         8.05           7.15         6.86         6.65           6.05         5.75         5.55           5.05         4.8         4.65           1.04         3.9         3.9           1.05         1.85         1.65           1.05         1.65         3.9           1.05         1.8         1.65           1.05         1.65         3.9           1.05         1.65         3.9           1.05         1.0         3.9           1.05         1.0         3.9           1.05         1.0         3.9           1.05         1.0         3.9           1.05         1.0         3.9           1.05         1.0         3.9           1.05         1.0         3.9           1.05         1.0         3.9           1.0	9.8 m         16.6 m         23.5 m         30.3 m           23.5         20.0         14.0         10.0           21.1         18.0         14.0         10.0           16.1         15.7         14.0         10.0           16.1         15.7         12.4         12.0           12.7         12.4         12.1         10.0           13.3         10.0         9.8         10.0           10.3         10.0         9.8         10.0           8.5         8.25         8.05         9.15           7.15         6.85         6.65         7.7           6.05         5.76         5.55         4.8         4.65           5.05         4.8         4.65         5.6           4.1         3.9         4.85         3.6           1.85         1.65         2.6         3.6           1.85         1.65         2.6         3.6           1.90         0.8         1.8         3.6           1.91         1.91         1.9         3.9           1.92         1.91         1.9         3.9           1.91         1.91         1.9         3.9      <	9.8 m         16.6 m         23.5 m         30.3 m         37.2 m           23.5         20.0         14.0         10.0         20.0           21.1         18.0         14.0         10.0         9.0           16.1         15.7         14.0         10.0         9.0           12.7         12.4         12.1         10.0         9.0           10.3         10.0         9.8 m         10.0         9.0           15.7         12.4         12.1         10.0         9.0           10.3         10.0         9.8 m         10.0         9.0           15.7         5.26         6.15         7.15         6.85         7.15           6.05         5.76         5.55         6.54         6.16         6.16           5.05         4.8         4.66         5.6         6.16         5.4           4.1         3.9         4.85         5.4         1.15         1.65           1.05         1.65         2.66         3.6         4.1         3.9         4.85         5.4           1.10         0.8         1.8         2.3         1.15         1.65         1.15           1.10         0.8 </td <td>23.5         20.0         14.0         7.0         7.0           21.1         18.0         14.0         10.0         9.0         1           16.1         15.7         14.0         10.0         9.0         7.5           10.3         10.0         9.8         10.0         9.0         7.5           10.3         10.0         9.8         10.0         9.0         7.5           10.3         10.5         8.05         9.15         9.03         7.5           10.4         10.5         9.05         7.5         7.5         7.5         7.5           10.5         8.25         8.05         9.15         9.00         7.5           10.5         8.25         8.05         9.15         9.01         7.5           10.5         8.25         8.05         9.15         9.01         7.5           10.5         8.25         8.05         7.15         8.05         7.5         7.5           10.5         8.25         8.05         8.05         8.05         8.05         7.5           11.5         1.65         1.65         1.65         1.65         1.65         1.65           11.6         &lt;</td>	23.5         20.0         14.0         7.0         7.0           21.1         18.0         14.0         10.0         9.0         1           16.1         15.7         14.0         10.0         9.0         7.5           10.3         10.0         9.8         10.0         9.0         7.5           10.3         10.0         9.8         10.0         9.0         7.5           10.3         10.5         8.05         9.15         9.03         7.5           10.4         10.5         9.05         7.5         7.5         7.5         7.5           10.5         8.25         8.05         9.15         9.00         7.5           10.5         8.25         8.05         9.15         9.01         7.5           10.5         8.25         8.05         9.15         9.01         7.5           10.5         8.25         8.05         7.15         8.05         7.5         7.5           10.5         8.25         8.05         8.05         8.05         8.05         7.5           11.5         1.65         1.65         1.65         1.65         1.65         1.65           11.6         <					

A: boom angle range (with no load)

A: boom angle range (with no load)

.

Boom length Load radius	* 9.8 m	16.6 m	23.5 m	30.3 m	37.2 m	41.2 m	44.0 m
2.1 m	70.0						
2.8 m	60.0	32.0	24.0	12.5			
3.0 m	56.5	32.0	24.0	12.5			
3.5 m	51.9	32.0	24.0	12.5	12.0		
4.0 m	48.6	32.0	24.0	12.5	12.0	10.0	
4.5 m	44.3	32.0	24.0	12.5	12.0	10.0	8.2
5.0 m	39.5	32.0	24.0	12.5	12.0	10.0	8.2
5.5 m	35.7	32.0	24.0	12.5	12.0	10.0	8.2
6.0 m	32.5	31.3	22.9	12.5	12.0	10.0	8.2
6.5 m	29.4	29.1	21.4	12.5	12.0	10.0	8.2
7.0 m		26.4	20.1	12.5	12.0	10.0	8.2
8.0 m		22.1	17.9	12.5	12.0	10.0	8.2
9.0 m		18.9	16.0	12.5	12.0	10.0	8.2
10.0 m		16.4	14.4	12.5	12.0	10.0	8.2
11.0 m		14.4	13.1	12.3	11.1	10.0	8.2
12.0 m		12.7	11.9	11.3	10.3	9.4	8.2
13.0 m		11.3	10.9	10.4	9.55	8.75	8.0
14.0 m			9.95	9.65	8.9	8.1	7.55
16.0 m			8.05	8.3	7.7	7.1	6.7
18.0 m			6.4	7.25	6.7	6.25	5.9
20 <b>.</b> 0 m			5.0	5.95	5.9	5.55	5.2
22.0 m				4.8	5.25	4.95	4.65
24 <b>.</b> 0 m				3.9	4.35	4.4	4.2
26.0 m				3.15	3.6	3.8	3.8
27 <b>.</b> 0 m				2.85	3.25	3.45	3.55
28 <b>.</b> 0 m					2.95	3.15	3.3
30 <b>.</b> 0 m					2.45	2.6	2.7
32 <b>.</b> 0 m					2.0	2.2	2.25
34.0 m					1.65	1.8	1.9
35.0 m						1.6	1.7
36.0 m						1.45	1.55
38.0 m						1.2	1.25
40.0 m							1.0
A (° )			0	-84 (* 65	ō)		
Standard hook	35-t hook × 2			35-t	hook		

[BOOM] FRONT SPECIAL CAPABILITY Unit: (t)

Note: Those marked with the \* are the values for when the heavy-load device is attached. A: boom angle range (with no load)

#### [JIB] (44.0-m boom) STANDARD CAPABILITY

									OUT	FRIGGE	R MAX	MUM E	XTENS	ION (7.	6 m)								- 3	360° -
Jib length	44.0-m boom + 8.4-m jib 44.0-m boom + 13.1-m jib												44.0-1	m boon	ı + 17.7	<sup>7</sup> -m jib								
Offset	Ę	5°	2	:5°	4	5°	6	0°		5°	2	:5°	4	5°	6	60°	ł	ō°	2	25°	4	5°	6	60°
Boom ang <b>l</b> e		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)		Rated lifting capacity (t)
84°	6.5	4.0	9.6	3.5	10.8	2.2	11.6	1.4	7.6	2.8	13.1	2.5	14.7	1.5	15.8	0.7	7.8	1.5	13.7	1.0	18.4	0.7	20.6	0.4
80°	10.7	4.0	13.9	3.5	14.8	2.2	15.3	1.4	12.2	2.8	17.7	2.3	18.8	1.4	19.7	0.7	13.0	1.4	18.7	0.95	22.8	0.65	24.3	0.4
77°	13.8	4.0	16.9	3.3	17.7	2.15	17.9	1.4	15.6	2.8	20.9	2.15	21.6	1.35	22.3	0.7	16.7	1.3	22.0	0.9	25.7	0.6	26.9	0.4
74°	16.7	3.55	19.6	2.9	20.4	2.1	20.3	1.4	18.9	2.8	23.9	2.0	24.3	1.3	24.7	0.7	20.1	1.2	25.1	0.85	28.5	0.6	29.4	0.4
72°	18.5	3.3	21.3	2.65	22.1	2.05	21.8	1.4	20.9	2.65	25.7	1.9	26.0	1.3	26.4	0.7	22.3	1.15	27.1	0.8	30.3	0.6	31.0	0.4
70°	20.3	3.05	23.0	2.45	23.8	2.0	23.5	1.4	22.8	2.4	27.6	1.8	27.7	1.25	27.9	0.7	24.4	1.1	29.0	0.8	31.9	0.55	32.6	0.4
68°	22.0	2.85	24.6	2.25	25.4	1.95	25.0	1.4	24.7	2.2	29.3	1.65	29.3	1.25	29.5	0.7	26.5	1.1	30.9	0.75	33.6	0.55	34.2	0.4
65°	24.2	2.1	26.8	1.85	27.6	1.8	27.3	1.4	27.3	1.8	31.8	1.45	31.7	1.2	31.7	0.7	29.7	1.05	33.7	0.7	36.1	0.55	36.4	0.4
63°	25.7	1.7	28.2	1.5	28.9	1.5	28.7	1.4	28.9	1.45	33.3	1.2	33.3	1.1	33.2	0.7	31.6	1.0	35.5	0.7	37.6	0.55	37.9	0.4
60°	27.7	1.2	30.1	1.1	30.6	1.0			31.1	1.0	35.3	0.85	35.2	0.7			34.4	0.85	37.9	0.6	39.8	0.5		
58°	29.1	0.9	31.4	0.8	31.8	0.7			32.6	0.7	36.5	0.55	36.5	0.45			35.8	0.55	39.4	0.4				
57°	29.8	0.75	31.9	0.6	32.3	0.55			33.3	0.55	37.2	0.4					36.4	0.45						
56°	30.4	0.6	32.5	0.45	32.9	0.45			34.1	0.45														
55°	31.1	0.45																						
A (° )	54	-84		55-	84		62	-84	55	-84	56	-84	57	-84	62	-84	56	-84	57	-74	59	-84	62	-84

A: boom angle range (with no load)

#### [JIB] (44.0-m boom) STANDARD CAPABILITY

									OL	JTR <b>I</b> GGI	ER M <b>I</b> C	DLE EX	TENS	ON (7.2	: m)								- Over	side -
Jib length			44.0-	m boon	n + 8.4	-m jib					44.0-1	n boorr	n + 13.1	1-m jib					44.0-	m boorr	n + 17.7	<sup>7</sup> -m jib		
Offset	Ę	5°	2	:5°	4	5°	6	0°		5°	2	:5°	4	5°	6	60°	ł	ō°	2	25°	4	5°	6	60°
Boom ang <b>l</b> e		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)								
84°	6.5	4.0	9.6	3.5	10.8	2.2	11.6	1.4	7.6	2.8	13.1	2.5	14.7	1.5	15.8	0.7	7.8	1.5	13.7	1.0	18.4	0.7	20.6	0.4
80°	10.7	4.0	13.9	3.5	14.8	2.2	15.3	1.4	12.2	2.8	17.7	2.3	18.8	1.4	19.7	0.7	13.0	1.4	18.7	0.95	22.8	0.65	24.3	0.4
77°	13.8	4.0	16.9	3.3	17.7	2.15	17.9	1.4	15.6	2.8	20.9	2.15	21.6	1.35	22.3	0.7	16.7	1.3	22.0	0.9	25.7	0.6	26.9	0.4
74°	16.7	3.55	19.6	2.9	20.4	2.1	20.3	1.4	18.9	2.8	23.9	2.0	24.3	1.3	24.7	0.7	20.1	1.2	25.1	0.85	28.5	0.6	29.4	0.4
72°	18.5	3.3	21.3	2.65	22.1	2.05	21.8	1.4	20.9	2.65	25.7	1.9	26.0	1.3	26.4	0.7	22.3	1.15	27.1	0.8	30.3	0.6	31.0	0.4
70°	20.3	3.05	23.0	2.45	23.8	2.0	23.5	1.4	22.8	2.4	27.6	1.8	27.7	1.25	27.9	0.7	24.4	1.1	29.0	0.8	31.9	0.55	32.6	0.4
68°	21.7	2.5	24.5	2.2	25.4	1.95	25.0	1.4	24.6	2.1	29.3	1.65	29.3	1.25	29.5	0.7	26.5	1.1	30.9	0.75	33.6	0.55	34.2	0.4
65°	24.1	1.8	26.6	1.6	27.4	1.5	27.3	1.4	27.1	1.5	31.6	1.25	31.7	1.15	31.7	0.7	29.7	1.05	33.7	0.7	36.1	0.55	36.4	0.4
63°	25.5	1.45	28.0	1.3	28.7	1.2	28.6	1.2	28.6	1.2	33.0	1.0	33.1	0.9	33.2	0.7	31.6	1.0	35.5	0.7	37.6	0.55	37.9	0.4
60°	27.6	0.95	29.9	0.8	30.4	0.75			30.9	0.75	35.0	0.6	35.0	0.5			34.0	0.6	37.7	0.4				
59°	28.3	0.8	30.5	0.65	31.0	0.6			31.7	0.6	35.7	0.45					34.7	0.45						
58°	29.0	0.65	31.1	0.5	31.6	0.45			32.4	0.45														
57°	29.6	0.45																						
A (° )	56-84 57-84						62	-84	57	-84	58	-84	59	-84	62	-84	58	-84	59	-84		62-	-84	

A: boom angle range (with no load)

#### [JIB] (44.0-m boom) STANDARD CAPABILITY

									OU	TR <b>I</b> GGE	R MID	DLE EX	TENSIC	DN (5.28	3 m)								- Over	side -
Jib length			44.0-	m boon	n + 8.4	-m jib					44.0-	m boom	n + 13.	1-m jib					44.0-	m boom	n + 17.7	<sup>7</sup> -m jib		
Offset	Ę	5°	2	:5°	4	.5°	6	0°		5°	2	:5°	4	.5°	6	60°	:	5°	2	25°	4	5°	6	60°
Boom ang <b>l</b> e	Load radius (m)	Rated lifting capacity (t)																						
84°	6.5	4.0	9.6	3.5	10.8	2.2	11.6	1.4	7.6	2.8	13.1	2.5	14.7	1.5	15.8	0.7	7.8	1.5	13.7	1.0	18.4	0.7	20.6	0.4
80°	10.7	4.0	13.9	3.5	14.8	2.2	15.3	1.4	12.2	2.8	17.7	2.3	18.8	1.4	19.7	0.7	13.0	1.4	18.7	0.95	22.8	0.65	24.3	0.4
77°	13.8	4.0	16.9	3.2	17.7	2.15	17.9	1.4	15.6	2.8	20.9	2.15	21.6	1.35	22.3	0.7	16.7	1.3	22.0	0.9	25.7	0.6	26.9	0.4
74°	16.1	2.6	19.0	2.15	20.2	1.9	20.3	1.4	18.4	2.2	23.5	1.7	24.3	1.3	24.7	0.7	20.1	1.2	25.1	0.85	28.5	0.6	29.4	0.4
72°	17.8	2.0	20.4	1.6	21.7	1.5	21.8	1.4	20.1	1.65	25.1	1.3	25.9	1.1	26.4	0.7	22.3	1.15	27.1	0.8	30.3	0.6	31.0	0.4
70°	19.2	1.45	22.0	1.2	23.2	1.1	23.4	1.05	21.8	1.2	26.5	0.9	27.4	0.8	27.9	0.7	24.4	1.05	29.0	0.75	31.9	0.55	32.6	0.4
69°	20.0	1.2	22.7	1.0	23.8	0.9	24.1	0.9	22.7	1.05	27.3	0.75	28.1	0.65	28.7	0.65	25.2	0.9	29.7	0.6	32.7	0.5	34.2	0.4
68°	20.8	1.0	23.4	0.8	24.5	0.75	24.8	0.75	23.6	0.85	28.1	0.65	28.9	0.55	29.4	0.55	26.0	0.7	30.5	0.5				
67°	21.6	0.8	24.1	0.7	25.2	0.65	25.4	0.6	24.4	0.7	28.9	0.5	29.6	0.4	30.1	0.4	26.8	0.55						
66°	22.4	0.7	24.9	0.5	25.8	0.45	26.1	0.45	25.2	0.5							27.7	0.4						
65°	23.1	23.1 0.45																						
A (° )	64	-84			65	-84			65	-84			66	-84			65	-84	67	-84		68-	-84	

A: boom angle range (with no load)

#### [JIB] (44.0-m boom) STANDARD CAPABILITY

									OU	TRIGGE	R MID	DLE EX	TENSIC	DN (4.28	3 m)								- Over	side -
Jib length			44.0-	m boor	n + 8.4	-m jib					44.0-1	n boorr	ı + 13. <sup>-</sup>	1-m jib					44.0-1	m boon	n + 17.	7-m jib		
Offset	Ę	5°	2	5°	4	·5°	6	60°	ł	5°	2	5°	4	.5°	e	60°	ł	5°	2	25°	4	5°	6	60°
Boom ang <b>l</b> e		Rated lifting capacity (t)		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)		Rated lifting capacity (t)		Rated lifting capacity (t)		Rated lifting capacity (t)		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)
84°	6.5	4.0	9.6	3.5	10.8	2.2	11.6	1.4	7.6	2.8	13.1	2.5	14.7	1.5	15.8	0.7	7.8	1.5	13.7	1.0	18.4	0.7	20.6	0.4
80°	10.7	4.0	13.9	3.5	14.8	2.2	15.3	1.4	12.2	2.8	17.7	2.3	18.8	1.4	19.7	0.7	13.0	1.4	18.7	0.95	22.8	0.65	24.3	0.4
-77°	13.1	2.6	16.0	2.1	17.5	1.8	17.9	1.4	15.1	2.1	20.3	1.6	21.5	1.3	22.3	0.7	16.7	1.3	22.0	0.9	25.7	0.6	26.9	0.4
74°	15.5	1.5	18.3	1.3	19.8	1.1	20.2	1.1	17.8	1.3	22.7	1.0	23.9	0.85	24.7	0.7	20.0	1.15	25.0	0.8	28.5	0.6	29.4	0.4
72°	17.1	1.05	19.9	0.9	21.2	0.75	21.7	0.75	19.6	0.9	24.3	0.65	25.5	0.55	26.2	0.55	21.8	0.75	26.7	0.5	30.0	0.4		
71°	18.0	0.85	20.7	0.7	21.9	0.6	22.4	0.6	20.4	0.7	25.1	0.5	26.2	0.4	27.0	0.4	22.7	0.6	27.5	0.4				
70°	18.8	0.7	21.4	0.5	22.6	0.45	23.2	0.45	21.3	0.5							23.6	0.45						
69°	19.6	0.5																						
A (° )	°) 68-84 69-84								69	-84			70	-84			69	-84	70	-84	71	-84	73	-84

A: boom angle range (with no load)

#### [JIB] (41.2-m boom) STANDARD CAPABILITY

									TUO	RIGGE	R MAX	IMUM E	XTENS	ON (7.	6 m)								- 3	360° -
Jib length			41.2-	m boor	n + 8.4	-m jib					41.2-r	n boorr	n + 13.1	-m jib					41.2-	m boorr	+ 17.7	<sup>7</sup> -m jib		
Offset	Ę	5°	2	5°	4	5°	6	0°	Ę	5°	2	5°	4	5°	6	0°		5°	2	!5°	4	5°	6	60°
Boom ang <b>l</b> e	Load radius (m)	Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)								
84°	5.7	4.0	8.9	3.5	10.4	2.2	11.3	1.4	6.0	2.8	11.6	2.5	13.8	1.5	16.3	0.7	7.3	1.5	13.2	1.0	17.7	0.7	20.1	0.4
80°	9.6	4.0	12.9	3.5	14.1	2.2	14.6	1.4	10.2	2.8	15.9	2.3	17.6	1.4	19.8	0.7	12.2	1.4	17.9	0.95	21.9	0.65	23.5	0.4
77°	12.5	4.0	15.7	3.3	16.7	2.15	17.0	1.4	13.2	2.8	18.9	2.15	20.3	1.35	22.4	0.7	15.6	1.3	21.0	0.9	24.6	0.6	26.0	0.4
74°	15.4	4.0	18.3	3.15	19.2	2.1	19.3	1.4	16.3	2.8	21.7	2.0	22.8	1.3	24.7	0.7	18.9	1.2	24.0	0.85	27.3	0.6	28.4	0.4
72°	17.1	3.65	20.0	2.9	20.8	2.05	20.8	1.4	18.1	2.7	23.4	1.9	24.4	1.3	26.3	0.7	21.0	1.15	25.9	0.8	28.9	0.6	29.9	0.4
70°	18.7	3.3	21.5	2.7	22.3	2.0	22.3	1.4	20.0	2.6	25.2	1.8	26.0	1.25	27.8	0.7	23.1	1.1	27.8	0.8	30.6	0.55	31.4	0.4
68°	20.3	3.05	23.1	2.5	23.7	2.0	23.7	1.4	21.7	2.4	26.9	1.75	27.4	1.25	29.3	0.7	25.0	1.1	29.5	0.75	32.1	0.55	32.9	0.4
65°	22.7	2.6	25.3	2.25	25.9	1.95	25.9	1.4	24.3	2.1	29.3	1.65	29.6	1.2	31.4	0.7	28.0	1.05	32.1	0.7	34.5	0.55	35.0	0.4
63°	24.1	2.15	26.7	2.1	27.1	1.75	27.1	1.4	25.9	1.8	30.7	1.5	31.1	1.15	32.8	0.7	29.8	1.0	33.8	0.7	35.9	0.55	36.3	0.4
60°	26.2	1.6	28.5	1.5	28.9	1.3			28.0	1.3	32.7	1.15	33.0	1.0			32.5	1.0	36.2	0.65	37.9	0.5		
58°	27.5	1.3	29.7	1.15	30.0	1.05			29.5	1.05	33.9	0.85	34.1	0.75			34.1	0.85	37.6	0.6	39.3	0.5		
57°	28.2	1.15	30.3	1.0	30.6	0.9			30.2	0.9	34.5	0.75	34.7	0.65			34.8	0.7	38.3	0.55				
56°	28.8	1.0	30.8	0.85	31.1	0.75			30.8	0.75	35.1	0.65	35.3	0.55			35.5	0.6	38.9	0.45				
55°	29.4	0.8	31.4	0.7	31.7	0.65			31.5	0.65	35.6	0.5	35.8	0.4			36.1	0.5						
54°	30.0	0.65	31.9	0.55	32.2	0.5			32.2	0.5	36.3	0.4					36.9	0.4						
53°	30.6	0.55	32.5	0.45	32.7	0.4			32.9	0.4														
52° A (° )	31.2	0.4							50		50		5.4											
A(*)	51	-84		52-	84		62	-84	52	-84	53	-84	54	-84	62	-84	53	-84	55	-84		-84 angle ran		-84

[JIB] (41.2-m boom) STANDARD CAPABILITY

A: boom angle range (with no load

									OL	ITRIGGI	ER MIC	DLE EX	TENS	ON (7.2	m)								- Over	side -
Jib length			41.2-	m boor	n + 8.4	-m jib					41.2-	n boorr	n + 13.	1-m jib					41 <b>.</b> 2-r	n boorr	n + 17.3	7-m jib		
Offset	į	5°	2	:5°	4	·5°	6	60°	Ę	5°	2	5°	4	.5°	6	i0°	į	5°	2	5°	4	-5°	6	60°
Boom ang <b>l</b> e	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)	Load radius (m)	Rated li capa (t)																		
84°	5.7	4.0	8.9	3.5	10.4	2.2	11.3	1.4	6.0	2.8	11.6	2.5	13.8	1.5	16.3	0.7	7.3	1.5	13.2	1.0	17.7	0.7	20.1	0.4
80°	9.6	4.0	12.9	3.5	14.1	2.2	14.6	1.4	10.2	2.8	15.9	2.3	17.6	1.4	19.8	0.7	12.2	1.4	17.9	0.95	21.9	0.65	23.5	0.4
77°	12.5	4.0	15.7	3.3	16.7	2.15	17.0	1.4	13.2	2.8	18.9	2.15	20.3	1.35	22.4	0.7	15.6	1.3	21.0	0.9	24.6	0.6	26.0	0.4
74°	15.4	4.0	18.3	3.15	19.2	2.1	19.3	1.4	16.3	2.8	21.7	2.0	22.8	1.3	24.7	0.7	18.9	1.2	24.0	0.85	27.3	0.6	28.4	0.4
72°	17.1	3.65	20.0	2.9	20.8	2.05	20.8	1.4	18.1	2.7	23.4	1.9	24.4	1.3	26.3	0.7	21.0	1.15	25.9	0.8	28.9	0.6	29.9	0.4
70°	18.7	3.3	21.5	2.7	22.3	2.0	22.3	1.4	20.0	2.6	25.2	1.8	26.0	1.25	27.8	0.7	23.1	1.1	27.8	0.8	30.6	0.55	31.4	0.4
68°	20.3	3.05	23.1	2.5	23.7	2.0	23.7	1.4	21.7	2.4	26.9	1.75	27.4	1.25	29.3	0.7	25.0	1.1	29.5	0.75	32.1	0.55	32.9	0.4
65°	22.5	2.2	25.2	2.0	25.8	1.85	25.9	1.4	24.2	1.85	29.2	1.55	29.6	1.2	31.4	0.7	28.0	1.05	32.1	0.7	34.5	0.55	35.0	0.4
63°	24.0	1.8	26.4	1.6	27.0	1.5	27.1	1.4	25.7	1.5	30.6	1.3	31.1	1.15	32.8	0.7	29.8	1.0	33.8	0.7	35.9	0.55	36.3	0.4
60°	26.1	1.3	28.3	1.15	28.8	1.1			27.9	1.1	32.5	0.9	32.9	0.8			32.4	0.9	36.2	0.65	37.9	0.5		
59°	26.7	1.2	28.9	1.0	29.3	0.95			28.7	0.95	33.1	0.75	33.4	0.65			33.2	0.8	36.8	0.55	38.6	0.45		
58°	27.4	1.0	29.5	0.85	29.9	0.8			29.4	0.8	33.7	0.65	34.0	0.55			33.9	0.65	37.4	0.45				
57°	28.0	0.85	30.1	0.7	30.5	0.65			30.0	0.65	34.3	0.5					34.5	0.5						
56°	28.6	0.7	30.6	0.55	31.0	0.5			30.7	0.5	34.9	0.4												
55°	29.2	0.55	31.2	0.45	31.5	0.4			31.4	0.4														
54°	29.8	0.4																						
A (° )	53-	53-84 54-84 62-8						-84	54	-84	55	-84	57	-84	62	-84	56	-84	57	-84	58	3-84	62	-84

#### [JIB] (41.2-m boom) STANDARD CAPABILITY

OUTRIGGER MIDDLE EXTENSION (5.28 m) - Over side -41.2-m boom + 8.4-m jib 41.2-m boom + 13.1-m jib 41.2-m boom + 17.7-m jib Jib length Offset 50  $25^{\circ}$ 459 60° 59 25° 45° 60° 59  $25^{\circ}$ 45° 60° Load Rated liftir radius capacit (m) (t) Load Rated lifti radius capacit (m) (t) Load radius (m) Load Rated lifting capacity (m) (t) Load Rated liftin radius capacity (m) (t) Load Rated liftir radius capacit (m) (t) Load Rated lifting capacity (m) (t) Load Rated lifting radius (m) (t) Load Rated lifti radius capaci Load Rated lifti Rated liftin Load Rated lifting Load Rated lifti Boom ang**l**e capacity (t) radi capacity (t) capacity (t) capacity (t) capacity (t) radius (m) capacity (t) radius (m) capacity (t) radius (m) capacity (t) (m) (m) 84° 5.7 4.0 8.9 3.5 10.4 2.2 11.3 1.4 6.0 2.8 11.6 2.5 13.8 1.5 16.3 0.7 7.3 1.5 13.2 1.0 17.7 0.7 20.1 0.4 80° 9.6 4.0 12.9 3.5 14.1 2.2 14.6 1.4 10.2 2.8 15.9 2.3 17.6 1.4 19.8 0.7 12.2 1.4 17.9 0.95 21.9 0.65 23.5 0.4 77° 12.5 4.0 15.7 3.3 16.7 2.15 17.0 1.4 13.2 2.8 18.9 2.15 20.3 1.35 22.4 0.7 15.6 1.3 21.0 0.9 24.6 0.6 26.0 0.4 74° 14.9 18.0 19.2 2.1 19.3 1.4 16.1 1.3 24.7 0.7 18.9 1.2 24.0 0.85 27.3 28.4 0.4 3.0 2.5 2.4 21.6 1.9 22.8 0.6 20.6 1.8 0.7 72° 16.5 19.3 17.7 1.8 1.5 1.3 26.3 21.0 1.15 25.9 0.8 28.9 29.9 0.4 2.3 1.9 20.8 1.4 23.1 24.4 0.6 1.4 0.4 18.0 20.8 1.45 21.9 1.4 19.3 1.4 24.6 25.8 1.05 27.8 27.8 0.8 30.6 31.4 1.1 1.7 69° 18.8 1.25 22.9 26.5 0.9 0.75 31.4 32.1 0.4 1.5 21.5 22.6 20.2 25.3 28.5 24.1 28.6 68° 19.5 1.05 26.1 0.85 29.3 0.7 25.0 0.95 29.4 0.65 32.1 0.55 32.9 0.4 1.3 1.1 27.1 0.75 67° 20.3 22.9 0.9 23.9 0.9 24.2 0.8 21.8 0.85 26.7 0.7 27.8 0.65 0.6 25.7 0.8 30.2 0.55 32.8 0.45 66° 21.0 0.95 23.6 0.75 24.5 0.75 24.9 0.7 22.6 0.7 27.5 0.6 28.5 0.5 30.6 0.5 26.6 0.65 31.0 0.45 65° 21.8 0.8 24.3 0.6 25.2 0.6 25.5 0.6 23.4 0.6 28.2 0.45 27.4 0.5 64° 24.9 22.5 0.65 0.45 25.7 0.4 26.1 0.4 24.2 0.45 23.2 0.45 A (° ) 64-84 62-84 63-84 63-84 64-84 65-84 65-84 66-84 67-84

#### [JIB] (41.2-m boom) STANDARD CAPABILITY

									OU	TR <b>I</b> GGE	R MID	DLE EX	TENSIO	ON (4.28	3 m)								- Over :	side -
Jib length			41.2-	m boon	n + 8.4	-m jib					41.2-	m boorr	ı + 13.	1-m jib					41.2-	m boom	ı + 17.7	7-m jib		
Offset	Ę	5°	2	:5°	4	·5°	6	60°	ł	5°	2	:5°	4	15°	6	i0°	Į	5°	2	25°	4	.5°	6	i0°
Boom ang <b>l</b> e	Load radius (m)	Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)								
84°	5.7	4.0	8.9	3.5	10.4	2.2	11.3	1.4	6.0	2.8	11.6	2.5	13.8	1.5	16.3	0.7	7.3	1.5	13.2	1.0	17.7	0.7	20.1	0.4
80°	9.6	4.0	12.9	3.5	14.1	2.2	14.6	1.4	10.2	2.8	15.9	2.3	17.6	1.4	19.8	0.7	12.2	1.4	17.9	0.95	21.9	0.65	23.5	0.4
77°	12.2	3.0	15.2	2.4	16.7	2.15	17.0	1.4	13.1	2.5	18.7	1.9	20.3	1.35	22.4	0.7	15.6	1.3	21.0	0.9	24.6	0.6	26.0	0.4
74°	14.6	2.0	17.4	1.5	18.8	1.4	19.2	1.3	15.7	1.6	21.0	1.2	22.6	1.05	24.7	0.7	18.9	1.2	24.0	0.85	27.3	0.6	28.4	0.4
72°	16.2	1.45	18.9	1.1	20.2	1.0	20.5	0.95	17.3	1.1	22.5	0.85	24.1	0.75	26.3	0.7	20.8	0.95	25.8	0.7	28.8	0.5	29.9	0.4
71°	17.0	1.2	19.7	0.95	20.9	0.85	21.2	0.8	18.2	0.9	23.3	0.7	24.8	0.6	27.0	0.6	21.7	0.8	26.6	0.55	29.6	0.4		
70°	17.6	0.95	20.4	0.8	21.6	0.7	21.9	0.65	19.1	0.75	24.1	0.55	25.5	0.45	27.6	0.45	22.6	0.65	27.3	0.4				
69°	18.4	0.75	21.1	0.6	22.3	0.55	22.5	0.5	19.9	0.6	24.8	0.4					23.5	0.5						
68°	19.2	0.55	21.8	0.45					20.7	0.4														
67°	19.9	0.4																						
A (° )	66-84 67-84 68-84				67	-84	68	3-84		69-	84		68	-84	69	9-84	70	-84	71	-84				

A: boom angle range (with no load)

A: boom angle range (with no load)

[JIB] (	44.0-m boom)	FRONT	SPECIAL	CAPABILITY
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Jib length			44.0-	m boor	n + 8.4	-m jib			-		44.0-r	n boom	n + 13.1	-m jib					44.0-	m boorr	1 + 17.7	'-m jib		
Offset	Ę	5°	2	:5°	4	·5°	6	0°	Ę	5°	2	5°	4	5°	6	i0°		5°	2	!5°	4	5°	6	i0°
Boom ang <b>l</b> e		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)		Rated lifting capacity (t)		Rated lifting capacity (t)		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)
84°	6.5	4.0	9.6	3.5	10.8	2.2	11.6	1.4	7.6	2.8	13.1	2.5	14.7	1.5	15.8	0.7	7.8	1.5	13.7	1.0	18.4	0.7	20.6	0.4
80°	10.7	4.0	13.9	3.5	14.8	2.2	15.3	1.4	12.2	2.8	17.7	2.3	18.8	1.4	19.7	0.7	13.0	1.4	18.7	0.95	22.8	0.65	24.3	0.4
77°	13.8	4.0	16.9	3.3	17.7	2.15	17.9	1.4	15.6	2.8	20.9	2.15	21.6	1.35	22.3	0.7	16.7	1.3	22.0	0.9	25.7	0.6	26.9	0.4
74°	16.7	3.55	19.6	2.9	20.4	2.1	20.3	1.4	18.9	2.8	23.9	2.0	24.3	1.3	24.7	0.7	20.1	1.2	25.1	0.85	28.5	0.6	29.4	0.4
72°	18.5	3.3	21.3	2.65	22.1	2.05	21.8	1.4	20.9	2.65	25.7	1.9	26.0	1.3	26.4	0.7	22.3	1.15	27.1	0.8	30.3	0.6	31.0	0.4
70°	20.3	3.05	23.0	2.45	23.8	2.0	23.5	1.4	22.8	2.4	27.6	1.8	27.7	1.25	27.9	0.7	24.4	1.1	29.0	0.8	31.9	0.55	32.6	0.4
68°	22.0	2.85	24.6	2.25	25.4	1.95	25.0	1.4	24.7	2.2	29.3	1.65	29.3	1.25	29.5	0.7	26.5	1.1	30.9	0.75	33.6	0.55	34.2	0.4
65°	24.6	2.5	26.9	2.0	27.6	1.8	27.3	1.4	27.4	1.9	31.8	1.45	31.7	1.2	31.7	0.7	29.7	1.05	33.7	0.7	36.1	0.55	36.4	0.4
63°	26.1	2.3	28.4	1.8	29.0	1.65	28.7	1.4	29.1	1.7	33.4	1.35	33.3	1.15	33.2	0.7	31.6	1.0	35.5	0.7	37.6	0.55	37.9	0.4
60°	28.4	2.0	30.7	1.65	31.0	1.5	30.8	1.4	31.5	1.5	35.6	1.2	35.4	1.1	35.2	0.7	34.6	1.0	38.0	0.65	39.8	0.5	39.9	0.4
55°	31.9	1.55	34.0	1.35	34.2	1.3			35.4	1.2	39.2	1.0	38.7	0.95			39.0	0.9	42.0	0.6	43.3	0.5		
53°	33.2	1.35	35.3	1.25	35.3	1.15			36.9	1.1	40.5	0.9	39.9	0.85			40.6	0.85	43.4	0.6	44.5	0.5		
51°	34.4	1.1	36.3	0.95	36.3	0.95			38.3	0.85	41.7	0.7	41.0	0.7			41.9	0.65	44.7	0.5	45.5	0.45		
49°	35.6	0.85	37.4	0.75	37.3	0.7			39.6	0.65	42.9	0.55	42.1	0.5			43.1	0.45						
46°	37.3	0.5	38.9	0.45	38.7	0.45																		
45°	37.8	0.4																						
A (° )	44	-84		45	-84		59	-84			48	-84			59	-84	48	-84		50	-84		59	-84

#### [JIB] (41.2-m boom) FRONT SPECIAL CAPABILITY

Jib length			41.2-	m boor	n + 8.4	-m jib					41.2-	m boom	n + 13.1	I-m jib					41.2-	n boorr	+ 17.3	7-m jib		
Offset	Ę	°c	2	5°	4	5°	6	°0°	ł	5°	2	:5°	4	5°	6	°0	ł	5°	2	5°	4	-5°	6	i0°
Boom ang <b>l</b> e	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)	Load radius (m)	Rated lifting capacity (t)		Rated lifting capacity (t)																
84°	5.7	4.0	8.9	3.5	10.4	2.2	11.3	1.4	6.0	2.8	11.6	2.5	13.8	1.5	16.3	0.7	7.3	1.5	13.2	1.0	17.7	0.7	20.1	0.4
80°	9.6	4.0	12.9	3.5	14.1	2.2	14.6	1.4	10.2	2.8	15.9	2.3	17.6	1.4	19.8	0.7	12.2	1.4	17.9	0.95	21.9	0.65	23.5	0.4
77°	12.5	4.0	15.7	3.3	16.7	2.15	17.0	1.4	13.2	2.8	18.9	2.15	20.3	1.35	22.4	0.7	15.6	1.3	21.0	0.9	24.6	0.6	26.0	0.4
74°	15.4	4.0	18.3	3.15	19.2	2.1	19.3	1.4	16.3	2.8	21.7	2.0	22.8	1.3	24.7	0.7	18.9	1.2	24.0	0.85	27.3	0.6	28.4	0.4
72°	17.1	3.65	20.0	2.9	20.8	2.05	20.8	1.4	18.1	2.7	23.4	1.9	24.4	1.3	26.3	0.7	21.0	1.15	25.9	0.8	28.9	0.6	29.9	0.4
70°	18.7	3.3	21.5	2.7	22.3	2.0	22.3	1.4	20.0	2.6	25.2	1.8	26.0	1.25	27.8	0.7	23.1	1.1	27.8	0.8	30.6	0.55	31.4	0.4
68°	20.3	3.05	23.1	2.5	23.7	2.0	23.7	1.4	21.7	2.4	26.9	1.75	27.4	1.25	29.3	0.7	25.0	1.1	29.5	0.75	32.1	0.55	32.9	0.4
65°	22.8	2.7	25.3	2.25	25.9	1.95	25.9	1.4	24.3	2.1	29.3	1.65	29.6	1.2	31.4	0.7	28.0	1.05	32.1	0.7	34.5	0.55	35.0	0.4
63°	24.4	2.5	26.7	2.1	27.2	1.9	27.1	1.4	25.9	1.9	30.8	1.55	31.1	1.15	32.8	0.7	29.8	1.0	33.8	0.7	35.9	0.55	36.3	0.4
60°	26.6	2.2	28.5	1.9	29.2	1.8	29.0	1.4	28.3	1.7	33.0	1.4	33.1	1.15	34.6	0.7	32.5	1.0	36.2	0.65	37.9	0.5	38.2	0.4
55°	30.2	1.85	32.2	1.65	32.3	1.55			32.1	1.4	36.3	1.2	36.2	1.1			36.6	0.9	37.6	0.6	39.3	0.5		
53°	31.6	1.65	33.5	1.55	33.4	1.5			33.5	1.3	37.6	1.15	37.3	1.1			38.2	0.85	41.2	0.6	42.3	0.5		
51°	32.8	1.5	34.6	1.4	34.4	1.35			34.9	1.2	38.8	1.1	38.4	1.0			39.6	0.8	42.5	0.6	43.4	0.5		
49°	33.9	1.25	35.5	1.15	35.3	1.1			36.2	1.0	39.8	0.85	39.3	0.8			41.1	0.75	43.8	0.55	44.4	0.5		
46°	35.4	0.9	36.8	0.8	36.6	0.8			37.9	0.7	41.3	0.6	40.7	0.55			42.9	0.55						
45°	35.9	0.8	37.3	0.7	37.0	0.7			38.5	0.6	41.7	0.5	41.2	0.5										
43°	36.8	0.6	38.2	0.55					39.6	0.45														
41°	37.8	0.45	39.0	0.4																				
A (° )		40-	84		44	-84	59	-84	42	-84		44-	-84		59	-84	45	-84		48-	84		59	-84

A: boom angle range (with no load)

#### • Points to remember when using the outriggers

1. The rated lifting capacities are shown for when the crane is set horizontally on firm ground, and include the weight of the slings and main winch hook (340 kg) when working with the boom, and the weight of the slings and auxiliary winch hook (100 kg) when working with the jib. The values above the bold line are based on the crane strength while those below are based on the crane stability factor.

2. The load radius is based on the actual figure including the boom deflection, so always use this as the standard when working with the boom.

3. The jib rated lifting capacity is different when the boom length is 41.2 m or less and when it exceeds 41.2 m.

4. Use the boom angle as the standard when working with the jib. The reference load radii shown are those when the jib is mounted to a 41.2-m and 44.0-m boom.

5. The rated lifting capacity for the single top is the value obtained by subtracting 240 kg from the boom rated lifting capacity, and includes the weight of the slings and auxiliary winch hook (100 kg), but must not exceed 5.0 t.

6. High-speed unwinding should only be used when only the hook is being lowered. Also, sudden lever operations should be avoided at this time.

7. The table below shows the hook wire rope standard number of parts of line for each boom length.

However, when using other number of parts of line, the load per line should not exceed 4.38 t for the main winch or 5.0 t for the auxiliary winch.

Boom length	9.8 m	16.6 m	23.5 m	30.3 m	37.2 m	41.2 m	44.0 m	Jib, single top
Number of parts of line	8×2	8	6	4	4	4	4	1

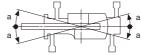
8. It should be 1 part of line for the hook wire rope on the jib.

9. The over-side lifting capability depends on the extension width of the outriggers.

Perform work within the capability according to the extension width.

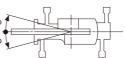
The lifting capability for the front and rear areas is the rated lifting capacity of the "outrigger maximum extension", but the range (angle a) of the front and rear areas depends on the outrigger extension width.

Extension	Middle extension	Middle extension	Middle extension	Minimum extension
width	(7.2 m)	(5.28 m)	(4.28 m)	(2.36 m)
Ang <b>l</b> e a°	45	30	25	10



10. The front special capability can be set when the front outrigger is at maximum extension (7.6 m) and rear outrigger is at middle extension (5.28 m) or more. The front range (angle b) at which operation can be performed with front special capability depends on the rear outrigger extension width. Also, the lifting capability at the side and rear is the standard capability according to the outrigger extension width.

Rear outrigger	Maximum extension	Middle extension	Middle extension
extension width	(7.6 m)	(7.2 m)	(5.28 m)
Ang <b>l</b> e b°	45	45	40





#### Ont using outriggers

			-					Onits (g	
	When stopped			When traveling (1.6 km/h or slower)					
Boom length	9.	8 m	16.	16.6 m		9.8 m		16.6 m	
Load radius	Front	360°	Front	360°	Front	360°	Front	360°	
3.5 m	8.95	3.9	8.7	3.6	7.45	3.2	7.25	3.0	
4.0 m	7.75	3.0	7.5	2.65	6.45	2.45	6.25	2.2	
4.5 m	6.7	2.2	6.45	1.9	5.6	1.8	5.4	1.55	
5.0 m	5.85	1.6	5.6	1.3	4.85	1.3	4.65	1.05	
5.5 m	5.1	1.05	4.85	0.75	4.2	0.85	4.0	0.6	
6.0 m	4.4	0.6	4.15	0.5	3.65	0.5	3.45		
6.5 m	3.85		3.6		3.15		2.95		
7.0 m			3.05				2.55		
8.0 m			2.2				1.8		
9.0 m			1.45				1.2		
10.0 m			0.85				0.7		
A (° )	0-73	20-60	35-73	60-73	0-73	20-60	35-73	60-73	
Standard hook		35-t	hook		35-t hook				
	A: boom angle range (with no los							th no load	

A: boom angle range (with no load)

#### Unit: (t) Points to remember when not using the outriggers

 The rated lifting capacities are shown for when the crane is set horizontally on firm ground, the tires are at the standard pressure (900 kPa (9.00 kgf/cm<sup>2</sup>)), the suspension cylinder is fully retracted, and include the weight of the slings and main winch hook (340 kg) when working with the boom.

The values above the bold line are based on the crane strength while those below are based on the crane stability factor.

- When performing actual work, use after considering the ground and operating conditions, etc
- 2. The load radius is based on the actual figure including the boom and tire deflection, so always use this as the standard.
- 3. The table below shows the hook wire rope standard number of parts of line for each boom length. However, when using other number of parts of line, the load per line should not exceed 4.38 t for the main winch or 5.0 t for the auxiliary winch.

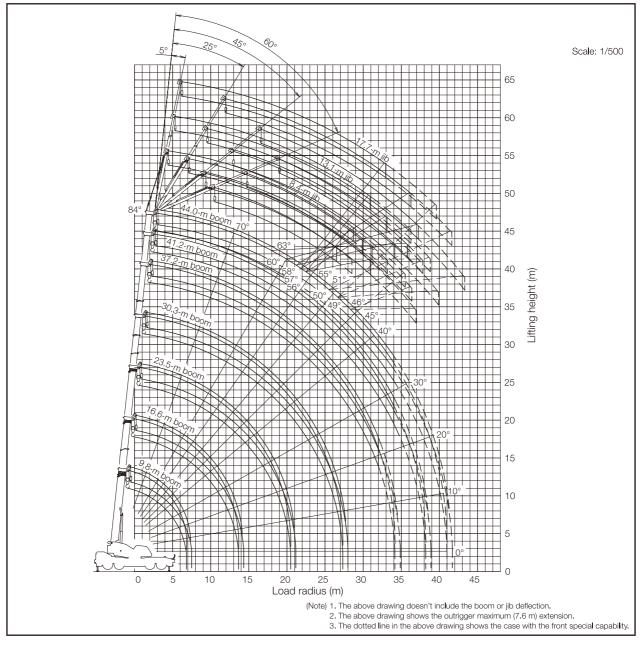
Boom length	9.8m	16.6m	Single top	
Number of parts of line	4	4	1	

- 4. Do not perform high-speed unwinding with a boom longer than 16.6 m or a jib.
- 5. Only perform "front" crane operations while the AML "front position symbol" is lit. The front range is when the boom is within  $2^{\circ}$  (1° to either the left or right) of the front of the carrier.

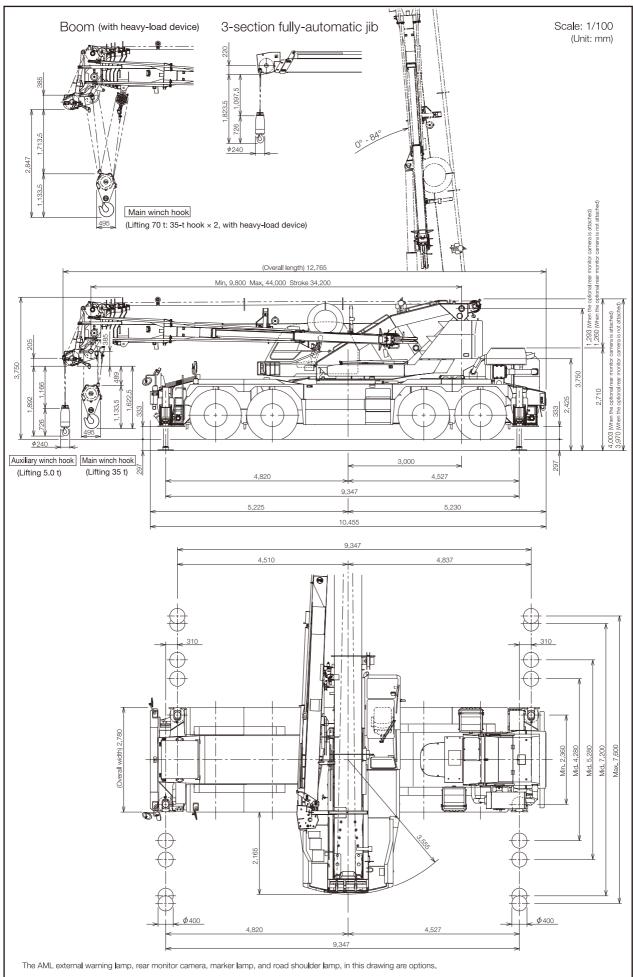


- 6. The rated lifting capacity for the single top is the value obtained by subtracting 240 kg from the boom rated lifting capacity, and includes the weight of the slings and auxiliary winch hook (100 kg), but must not exceed 5.0 t.
- 7. Perform pick and carry with the "drive select" switch set to "L/6D" and the shift lever set to first gear.
- 8. Perform pick and carry with the slewing brake on, the load close to the ground so it will not swing, and at a speed
- of 1.6 km/h or lower. In particular, abrupt steering, starting or braking must be avoided.
- 9. Do not perform crane operations while performing pick and carry.

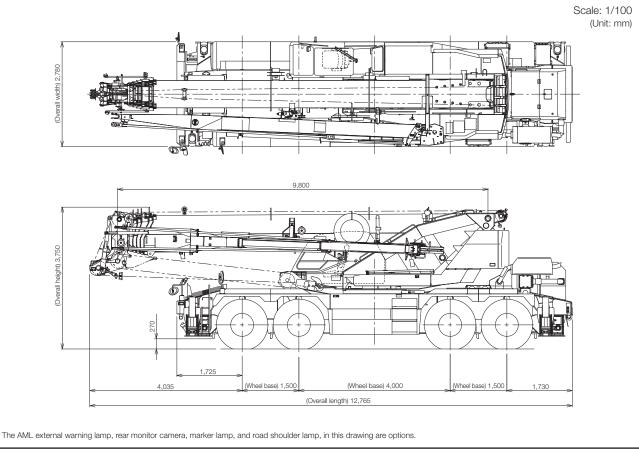
#### WORKING RANGE



#### DIMENSIONS



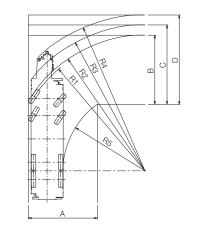
#### DIMENSIONS

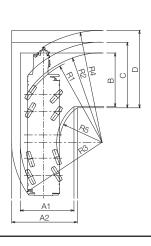


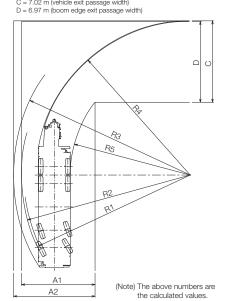
• This model has received a "Basic running conditions - weight: D" certificate of conformance under the Newly Developed Vehicle Certificate System, but the actual running conditions will be decided based on the calculations of the road administrator for each route.

#### MINIMUM RIGHT-ANGLE PASSAGE WIDTH

## While turning right in the front four-wheel steering modeWhile turning right in the eight-wheel coordinated<br/>steering modeM hile turning right in the rear four-wheel steering modeR1 = 11.50 m (minimum turning radius)<br/>R2 = 11.70 m (vehicle turning radius)<br/>R3 = 12.58 m (vehicle turning radius)<br/>R4 = 13.44 m (boom edge turning radius)<br/>R5 = 7.06 m (vehicle turning radius)<br/>R4 = 5.96 m (vehicle turning radius)<br/>R = 5.96 m (vehicle uning radius)<br/>D = 7.70 m (boom edge exit passage width)R1 = 7.50 m (minimum turning radius)<br/>R3 = 7.79 m (vehicle turning radius)<br/>R4 = 9.64 m (boom edge exit passage width)<br/>D = 6.67 m (boom edge exit passage width)R1 = 1.4.34 m (minimum turning radius)<br/>R3 = 7.70 m (vehicle turning radius)<br/>R4 = 9.64 m (ince exit passage width)<br/>D = 6.67 m (boom edge exit passage width)R1 = 1.4.34 m (minimum turning radius)<br/>R4 = 13.24 m (vehicle turning radius)<br/>R4 = 9.64 m (ince exit passage width)<br/>D = 6.67 m (boom edge exit passage width)R3 = 7.02 m (vehicle exit passage width)<br/>C = 6.66 m (vehicle exit passage width)<br/>D = 6.67 m (boom edge exit passage width)R3 = 7.02 m (vehicle exit passage width)<br/>D = 6.67 m (boom edge exit passage width)







 Model name
 Specifications
 Specification no.

 GR-700N
 Lifting 70 t, 6-section boom, 3-section fully-automatic jib, H-type outrigger
 GR-700N-1-00101

Note: Due to improvements, the delivered product may have specifications different from these.

### TADANO LTD.