

■ RATED LIFTING CAPACITY (1)

Based on *BS 1757 : 1986 *DIN 15019-2 *75% of tipping loads

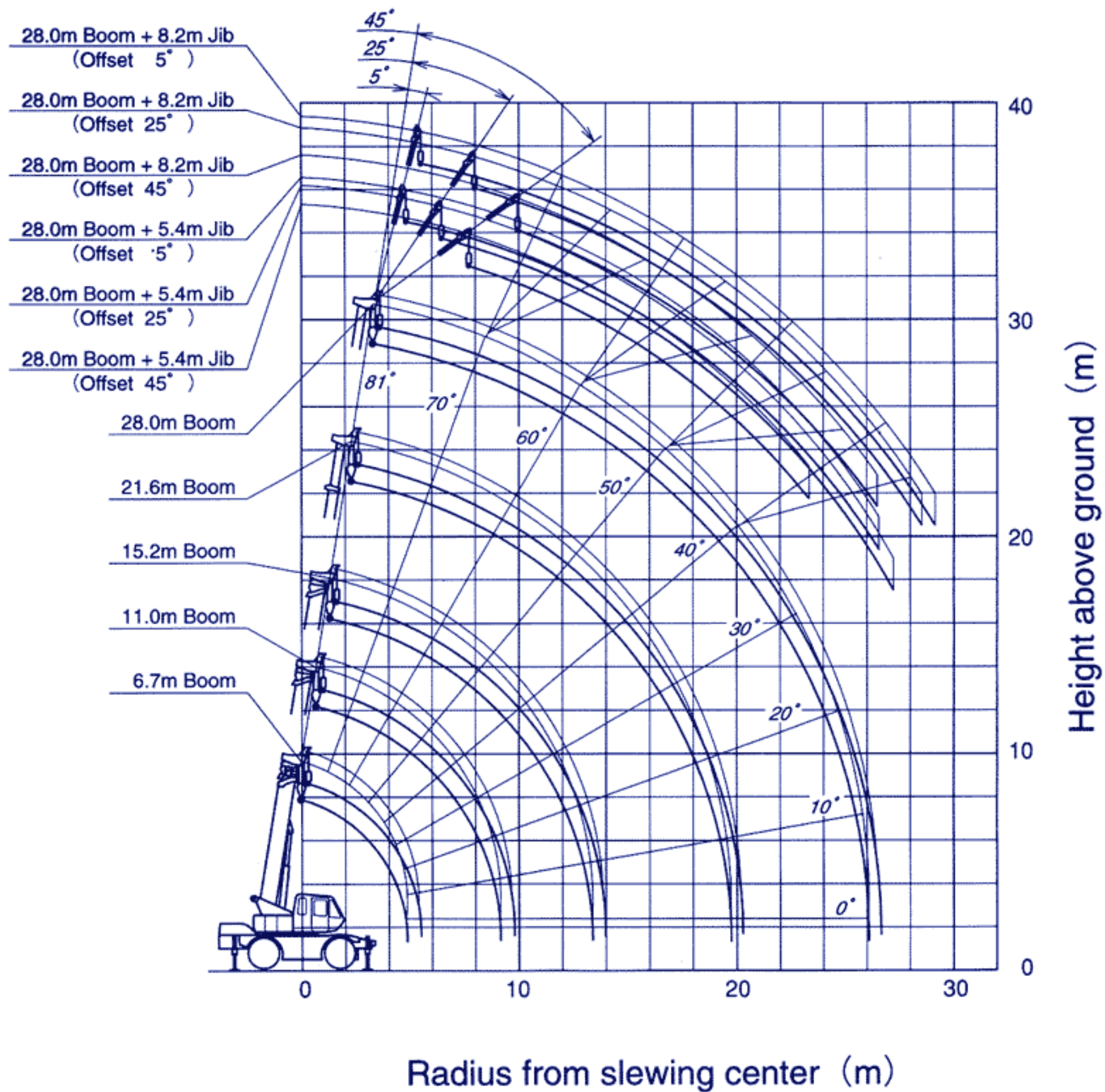
Working radius (m)	Outriggers fully extended (6.0m) - 360° full range					Outriggers intermediately extended (4.5m) - 360° full range					Outriggers completely retracted (blocked on vertical cylinders) - 360° full range				
	6.7m Boom	11.0m Boom	15.2m Boom	21.6m Boom	28.0m Boom	6.7m Boom	11.0m Boom	15.2m Boom	21.6m Boom	28.0m Boom	6.7m Boom	11.0m Boom	15.2m Boom	21.6m Boom	28.0m Boom
2.8	25.00	12.00	12.00			25.00	12.00	12.00			10.00	9.50	7.90		
3.0	22.00	12.00	12.00	8.00		22.00	12.00	12.00	8.00		8.75	8.45	7.15	6.50	
3.5	20.00	12.00	12.00	8.00		20.00	12.00	12.00	8.00		6.60	6.30	5.65	5.45	
4.0	17.00	12.00	12.00	8.00	6.50	17.00	12.00	12.00	8.00	6.50	5.10	4.85	4.55	4.55	4.25
4.5	15.00	12.00	12.00	8.00	6.50	15.00	12.00	12.00	8.00	6.50	4.10	3.85	3.70	3.80	3.65
5.0		12.00	12.00	8.00	6.50		12.00	12.00	8.00	6.50		3.10	3.00	3.20	3.15
5.5		12.00	12.00	8.00	6.50		9.80	9.70	8.00	6.50		2.50	2.40	2.70	2.70
6.0		12.00	11.50	8.00	6.50		8.20	8.10	8.00	6.50		2.05	1.95	2.30	2.35
6.5		11.30	10.60	8.00	6.50		7.00	6.85	7.25	6.50		1.60	1.55	1.95	2.00
7.0		10.15	9.90	7.85	6.50		6.00	5.90	6.55	6.50		1.25	1.20	1.65	1.75
8.0		7.90	7.80	7.10	5.90		4.60	4.50	5.10	5.40		0.70	0.60	1.15	1.30
9.0		6.20	6.10	6.35	5.35		3.60	3.45	4.05	4.40					
10.0			4.90	5.45	4.80			2.65	3.30	3.60					
11.0			4.00	4.60	4.30			2.05	2.65	3.00					
12.0			3.25	3.85	3.85			1.55	2.15	2.50					
13.0			2.65	3.30	3.50			1.15	1.75	2.10					
14.0				2.80	3.10				1.40	1.75					
15.0				2.35	2.70				1.15	1.45					
16.0				2.00	2.35				0.90	1.20					
17.0				1.70	2.00				0.70	0.95					
18.0				1.45	1.75				0.50	0.80					
19.0				1.20	1.50				0.35	0.60					
20.0			[19.7m]	1.05	1.30					0.45					
21.0					1.15					0.35					
22.0					0.95										
23.0					0.80										
24.0					0.70										
25.0					0.60										
26.0					0.50										
Standard hook	for 25 ton (optional)	for 22 ton				for 25 ton (optional)	for 22 ton				for 25 ton (optional)	for 22 ton			
Hook mass	200 kg	200 kg				200 kg	200 kg				200 kg	200 kg			
Parts of line	7	4				7	4				7	4			
Critical boom angle	—	—	—	—	—	—	—	—	—	35°	—	20°	51°	62°	69°

(Unit : Metric ton)

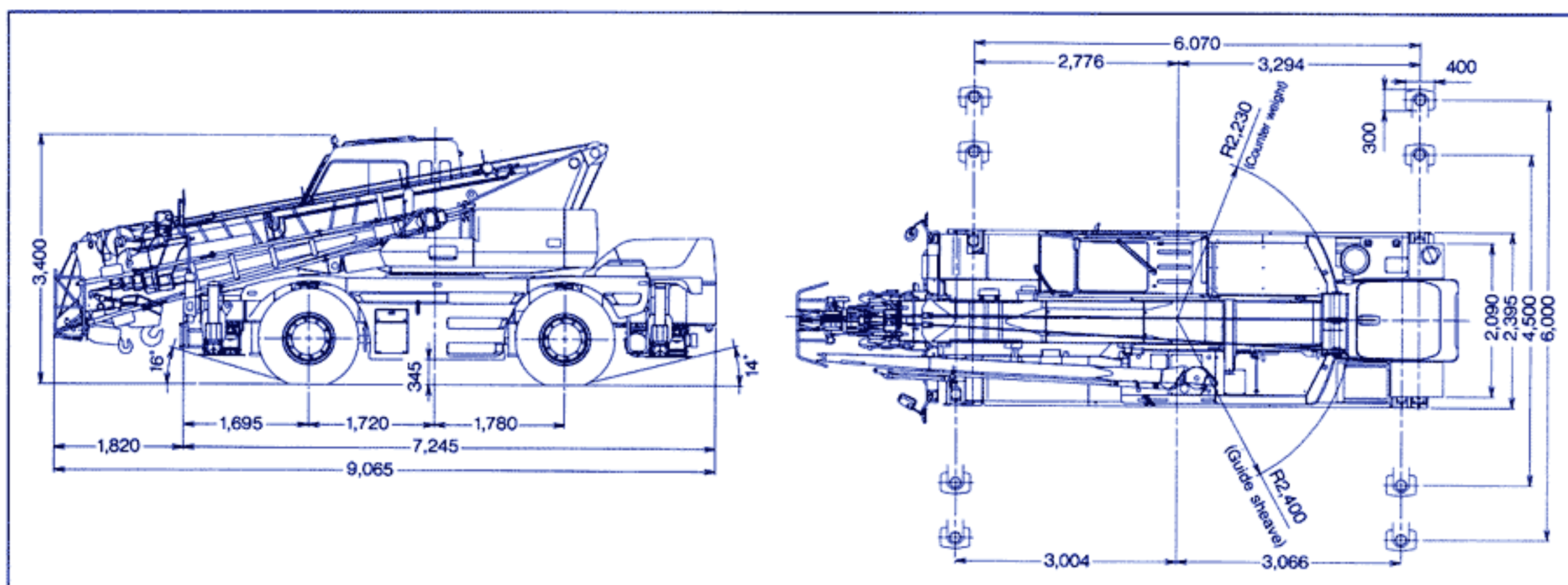
Working radius (m)	Pick & Carry (less than 2km/h) (without outriggers)					
	6.7m Boom		11.0m Boom		15.2m Boom	
	Over front	360° full range	Over front	360° full range	Over front	360° full range
3.0		4.80		4.40		4.00
3.5	6.80	3.60	6.40	3.30	5.90	3.00
4.0	6.80	2.65	6.40	2.55	5.90	2.40
4.5	6.00	2.05	5.50	2.05	5.00	1.90
5.0			4.75	1.50	4.30	1.40
5.5			4.10	1.05	3.65	1.00
6.0			3.40	0.65	3.10	0.60
6.5			2.85		2.65	
7.0			2.40		2.25	
8.0			1.65		1.60	
9.0			1.00		1.00	
10.0					0.50	
11.0						
Standard hook	for 22 ton					
Hook mass	200 kg					
Parts of line	6		4			
Critical boom angle	—	—	—	42°	35°	60°

(Unit : Metric ton)

WORKING RANGE

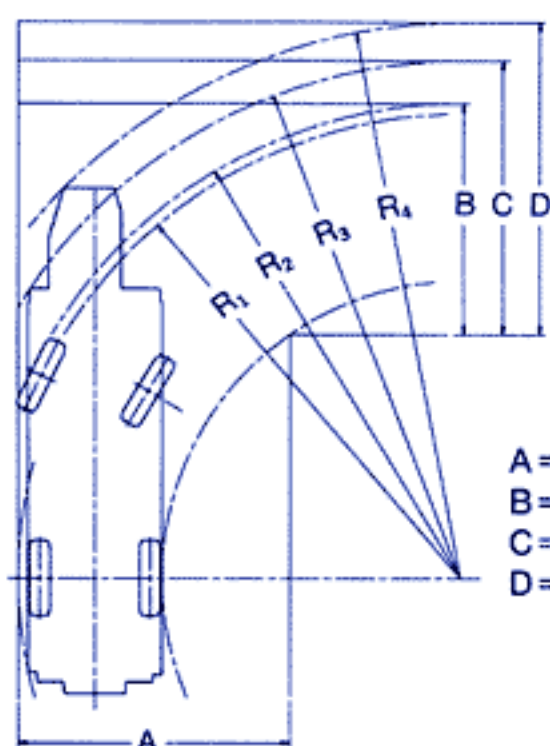


Note : This diagram does not include deflection of Boom and Fly Jib.



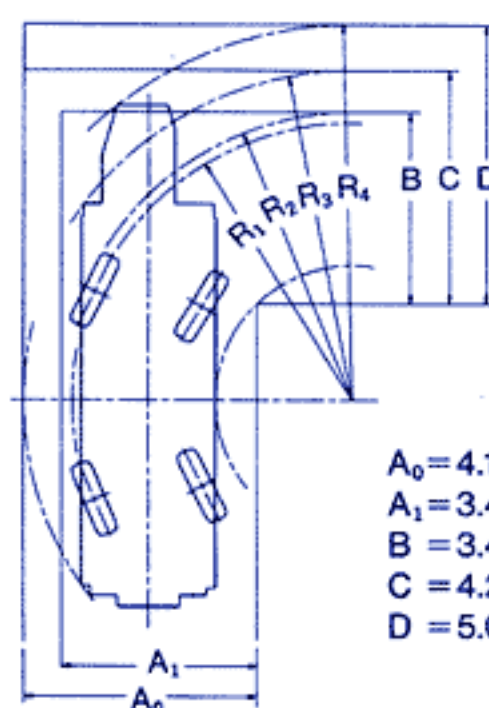
Minimum Road Width for Right-Angle Turn

Right turn in two-wheel steering mode



- $R_1 = 8.30\text{m}$
 (Minimum turning radius)
 $R_2 = 8.49\text{m}$
 (Turning radius of extremely outer tire)
 $R_3 = 9.25\text{m}$
 (Chassis turning radius)
 $R_4 = 9.93\text{m}$
 (Boom end turning radius)
- $A = 4.85\text{m}$ (Width of entrance)
 $B = 4.13\text{m}$ (Width of wheel exit)
 $C = 4.89\text{m}$ (Width of chassis exit)
 $D = 5.56\text{m}$ (Width of exit at end of boom)

Right turn in 4-wheel steering mode



- $R_1 = 5.00\text{m}$
 (Minimum turning radius)
 $R_2 = 5.19\text{m}$
 (Turning radius of extremely outer tire)
 $R_3 = 5.95\text{m}$
 (Chassis turning radius)
 $R_4 = 6.77\text{m}$
 (Boom end turning radius)
- $A_0 = 4.16\text{m}$ (Width of entrance)
 $A_1 = 3.48\text{m}$ (Width of wheel entrance)
 $B = 3.44\text{m}$ (Width of wheel exit)
 $C = 4.20\text{m}$ (Width of chassis exit)
 $D = 5.02\text{m}$ (Width of exit at end of boom)

Note: The above values are based on calculations.

*NOTE: KATO products and specifications are subject to improvements and changes without notice.

KATO

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