



T.S.K. CRANE SERVICE CO.,LTD.

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Load Chart

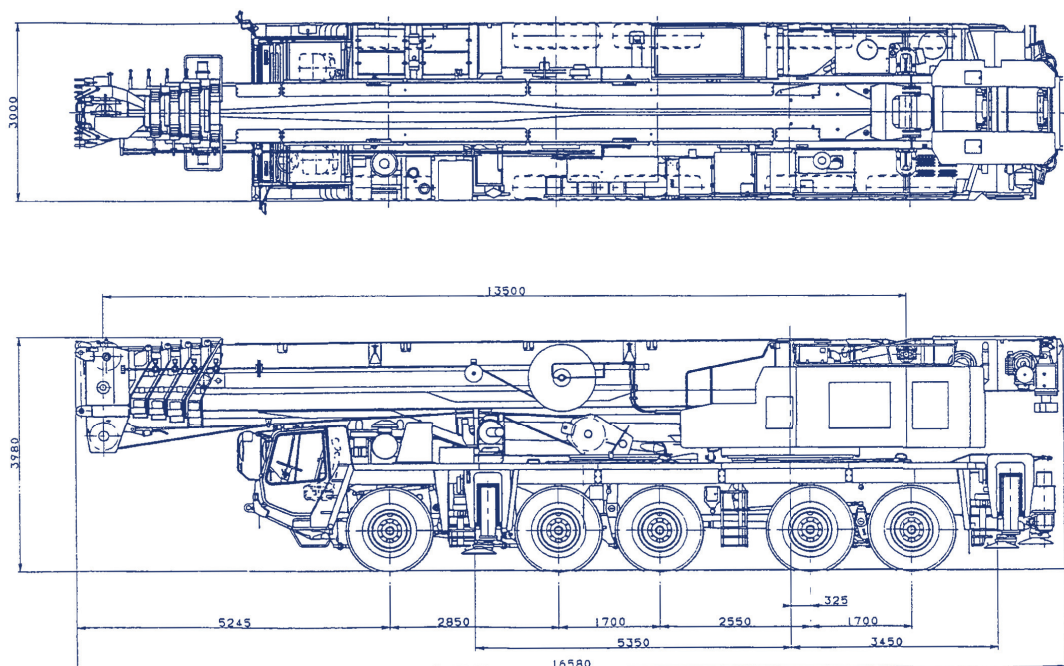


**FOR ROUGH TERRAIN CRANE 160 TONS
MODEL : TADANO AR - 1600M - 1**

CRANE SPECIFICATIONS

Max. Lifting Height	160 ton (160,000 kg.)	Working Radius 3.2 m.
Boom	Boom Section	7 Sections
	Length	13.5 / 18.1 / 22.6 / 31.8 / 40.9 / 45.4 / 50 m.
Jib	Fully automatic luffing jib	10.2 / 17.9 / 25.7 m.
	Luffing jib	11 / 20 / 29 / 37 / 45 m.
Dimensions	Length	13.64 m.
	Width	3.00 m.
	Height	2.775 m.
Wire Rope	Main Winch	24 mm. X 340 m. (Diameter x Length) Anti - rotate
	Auxiliary Winch	24 mm. X 310 m. (Diameter x Length) Anti - rotate wire rope
Outriggers	H-Type 3 Stages	Full extended width 8.8 m.
		Middle extended width 8.0 m., 6.8 m., 5.6 m.
Tires	Front	16.00 R25 (all wheels)
	Rear	16.00 R25 (all wheels)
Weights	Gross Weight	Total 40,900 kg.
		Front : 1 st + 2nd axle 19,500 kg.
		Rear : 3 rd axle 1,400 kg.
		4 th + 5th axle 20,000 kg.

DIMENSIONS (1/100)



Performance A								Unit : ton
B (m) \ A	13.5 m	18.1 m	22.6 m	31.8 m	40.9 m	45.4 m	50.0 m	
3.2 m	160.0	110.0	100.0					
3.5 m	151.7	110.0	100.0					
4.0 m	139.6	110.0	100.0					
4.5 m	129.3	110.0	100.0					
5.0 m	118.8	110.0	100.0					
6.0 m	100.6	97.0	90.0	65.0				
7.0 m	86.9	86.1	81.4	65.0	50.0			
8.0 m	76.2	76.5	71.8	59.6	50.0	42.0		
9.0 m	67.6	67.4	65.9	54.5	47.3	42.0	30.0	
10.0 m	62.0	60.2	58.8	50.4	44.5	38.8	30.0	
11.0 m	51.4	54.2	52.8	46.9	41.8	36.6	30.0	
12.0 m		49.4	47.3	43.3	38.5	34.5	30.0	
14.0 m		40.7	38.7	37.2	32.6	30.2	26.4	
16.0 m		23.9	32.3	31.6	28.5	26.5	23.3	
18.0 m			27.8	27.6	25.0	23.1	20.7	
20.0 m			20.2	24.1	21.8	20.7	18.4	
22.0 m				20.2	19.1	18.2	16.6	
24.0 m				17.1	17.0	16.4	14.8	
26.0 m				14.6	15.1	14.7	13.3	
28.0 m				12.6	13.2	13.1	12.0	
30.0 m					11.4	11.6	10.8	
32.0 m					9.9	10.2	9.6	
34.0 m					8.8	8.9	8.6	
36.0 m					7.7	7.8	7.6	
38.0 m					6.5	6.7	6.7	
40.0 m						5.9	6.0	
42.0 m						5.1	5.2	
44.0 m							4.5	
46.0 m							3.9	
47.0 m							3.6	
θ (°)	0 ~ 83			10 ~ 83	11 ~ 83	12 ~ 83		

A = Boom length

(ความยาวของบูม)

B = Working radius

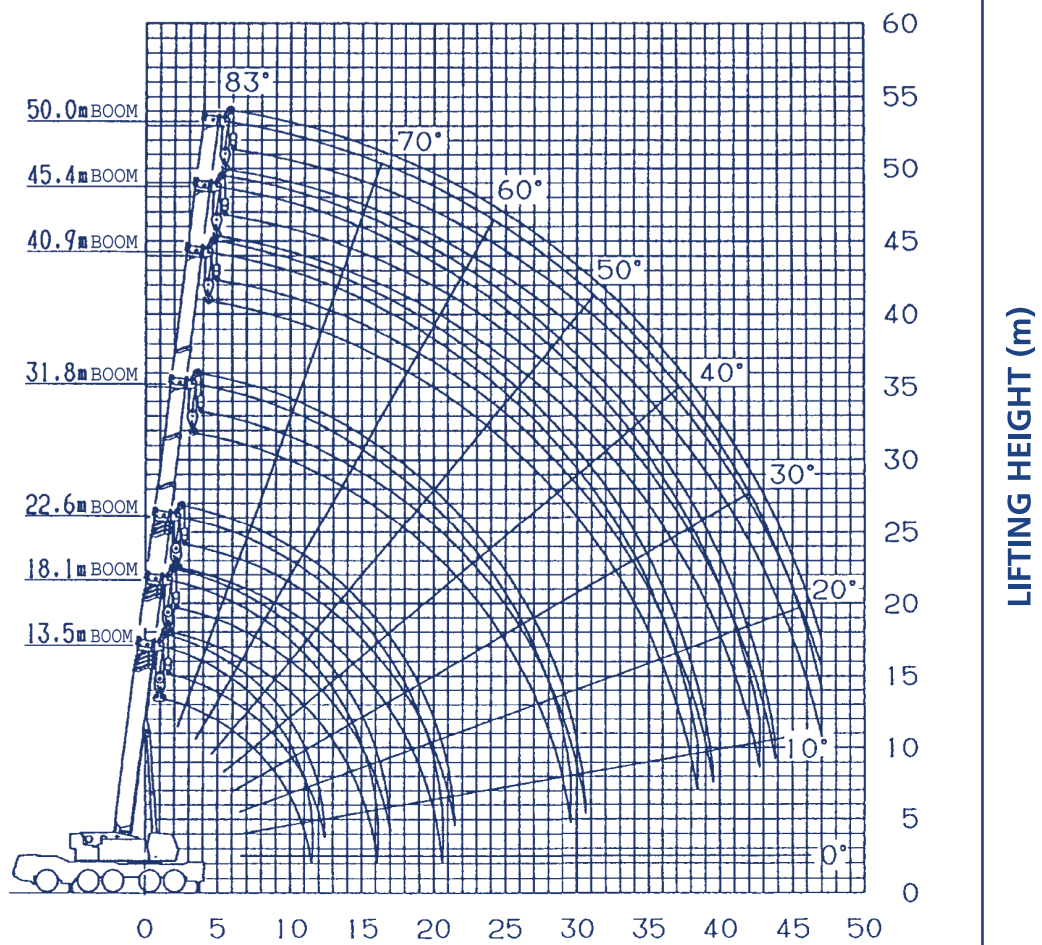
(ระยะห่างจากจุดยก)

 θ = Boom angle range

(for the unladen condition) (บูมองศา)



WORKING RADIUS - LIFTING HEIGHT



WORKING RADIUS (m)

LIFTING HEIGHT (m)

Performance LS [1.8 m + 1.1 m luffing jib]

Unit : ton

Boom	18.1 m					22.6 m					31.8 m				
B (m)	offset					offset					offset				
	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°
6.0	75.0														
7.0	75.0					61.0									
8.0	71.6	66.0				61.0									
9.0	66.3	63.0	52.6			61.0	61.0				38.9				
10.0	62.9	59.8	51.0			57.8	58.6				38.9				
11.0	57.9	56.8	49.5	41.6		52.6	54.0	51.2			38.9	35.0			
12.0	53.0	53.6	47.5	40.4		48.3	50.0	49.4			37.3	34.6			
14.0	45.9	46.2	44.6	38.1	29.0	41.1	42.5	43.7	40.0	31.1	33.8	32.5	29.5		
16.0	39.1	40.3	39.7	36.3	28.2	35.6	36.8	37.7	38.3	30.3	29.4	30.5	29.5	27.4	23.2
18.0	32.2	33.0	33.7	33.7		30.5	31.3	32.1	33.0	29.7	25.7	26.6	27.6	27.0	23.0
20.0	27.6	28.0	28.4	28.9		26.2	27.0	27.5	28.3		22.6	23.5	24.2	24.7	22.9
22.0	24.0	24.3	24.7	25.2		22.9	23.5	23.8	24.3		20.0	20.7	21.4	22.3	22.1
24.0	20.8	21.1	21.2			19.5	19.9	20.2	20.7		17.9	18.5	19.4	19.8	
26.0	17.8	18.0				16.3	16.8	17.1			16.0	16.5	17.1	18.0	
28.0						14.0	14.2	14.4			14.3	14.9	15.3	16.3	
30.0						12.0	12.3				12.7	13.2	13.6	14.1	
32.0											11.0	11.6	11.8		
34.0											9.6	10.0	10.1		
36.0											8.4	8.6	8.7		
38.0											7.1	7.3			
40.0											6.0				
θ (°)	26 ~ 83	28 ~ 83	33 ~ 83	43 ~ 83	66 ~ 83	26 ~ 83	28 ~ 83	32 ~ 83	48 ~ 83	65 ~ 83	19 ~ 83	23 ~ 83	31 ~ 83	48 ~ 83	65 ~ 83
F	110t hook (2,100 kg)					65 t hook (940kg)					65 t hook (940kg)				
H	8 part - line					7 part - line					5 part - line				

B = Working radius (ระยะห่างจากจุดยก)
 F = Standard hook (รอกมาตรฐาน)
 H = No. of part - line (จำนวนรอบสลิง)
 θ = Boom angle range (for the unladen condition) (มุมองศา)



Performance LS [1.8 m + 20 m luffing jib]

Unit : ton

Boom	18.1 m					22.6 m					31.8 m					36.3 m				
B(m)	offset					offset					offset					offset				
	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°
9.0	47.0																			
10.0	47.0					43.0														
11.0	46.6					43.0														
12.0	45.0	40.0				43.0					26.5									
14.0	42.2	37.4				40.	39.1				26.5					18.0				
16.0	39.0	34.2	30.0			37.7	35.9	29.7			26.5	25.7				18.0				
18.0	34.2	31.3	27.9			33.0	33.1	2.5			25.8	25.0	23.1			18.0	18.0			
20.0	30.0	29.0	26.2	21.8		2.7	29.7	27.3	22.6		23.4	24.3	22.4			18.0	17.3	18.0		
22.0	26.4	27.0	24.6	20.8	16.2	25.2	26.3	25.	21.9	17.2	21.1	22.1	21.8	18.6		18.0	16.6	17.2		
24.0	22.9	24.0	23.4	19.9	15.8	21.	22.7	22.7	21.1	16.7	18.9	19.8	20.8	18.2		16.8	15.9	16.5	14.7	
26.0	20.8	21.5	22.1	19.1	15.5	19.0	19.	20.6	20.3	16.2	16.9	17.8	18.6	17.9	15.2	15.6	15.2	15.7	14.4	12.2
28.0	18.7	19.2	19.8	18.5		16.5	17.4	1.1	19.1	16.0	15.2	16.0	16.8	17.6	15.0	14.1	14.5	15.0	14.3	12.1
30.0	16.6	17.1	17.6	17.8		14.5	15.6	16.2	17.5		13.7	14.4	15.2	16.1	14.9	12.7	13.2	13.5	14.0	12.0
32.0	14.8	15.2	15.5			13.0	14.0	14.0	15.2		12.4	13.1	13.7	14.5	14.9	11.6	11.9	12.7	12.7	11.9
34.0	13.0	13.4	13.6			11.	12.3	12.3			11.2	11.8	12.3	13.1		10.6	10.8	11.2	11.6	11.8
36.0	11.2					10.4	10.	11.1			10.0	10.5	11.0	11.5		9.0	9.6	10.0	10.6	
38.0						9.2	9.5				8.8	9.3	9.7	10.1		7.9	8.4	8.9	9.3	
40.0						7.9					7.7	8.1	8.5			6.9	7.3	7.6	8.1	
42.0											6.7	7.1	7.4			6.0	6.3	6.7	7.0	
44.0											5.8	6.1	6.3			5.2	5.5	5.8		
46.0											5.0	5.3				4.5	4.7	5.0		
48.0											4.3	4.5				3.8	4.0	4.2		
50.0																3.2	3.4			
θ (°)	18~83	25~83	25~83	47~83	62~83	20~83	26~83	36~83	51~83	63~83	23~83	25~83	35~83	51~83	63~83	29~83	31~83	35~83	49~83	64~83
F	65 t hook (940kg)					65 t hook (940kg)					65 t hook (940kg)					65 t hook (940kg)				
H	6 part - line					5 part - line					4 part - line					3 part - line				

Boom	40.9 m					45.4 m					50.0 m				
B (m)	offset					offset					offset				
	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°
16.0	14.5					11.0									
18.0	14.5	14.1				11.0					9.1				
20.0	14.5	14.1				11.0	11.0				9.1				
22.0	14.5	14.1	14.1			11.0	11.0	11.0			9.1	9.1			
24.0	14.5	13.9	13.8	13.1		11.0	11.0	11.0			9.1	9.1	8.6		
26.0	13.5	13.7	13.6	13.1		11.0	11.0	11.0	11.0		9.1	9.1	8.6		
28.0	12.2	13.0	13.4	13.1	12.0	10.4	10.4	10.5	10.5		9.1	9.0	8.6	7.8	
30.0	11.2	11.8	12.3	13.1	12.0	9.8	9.8	10.0	10.0	9.3	8.2	8.8	8.6	7.8	6.8
32.0	10.2	10.8	11.2	11.9	12.0	9.2	9.2	9.5	9.5	9.3	7.4	8.0	8.1	7.8	6.8
34.0	9.3	9.8	10.2	10.8	11.3	8.3	8.6	9.0	9.0	9.3	6.7	7.3	7.7	7.8	6.8
36.0	8.5	8.9	9.3	9.8	10.2	7.4	7.8	8.1	8.5	8.8	5.9	6.5	7.0	7.4	6.8
38.0	7.6	8.1	8.5	9.0		6.7	7.0	7.3	7.7	7.9	5.4	5.8	6.3	7.0	6.8
40.0	6.9	7.3	7.7	8.1		6.0	6.3	6.6	6.9		4.9	5.2	5.6	6.3	6.6
42.0	6.2	6.6	6.9	7.4		5.3	5.6	5.9	6.2		4.3	4.7	5.0	5.6	
44.0	5.5	5.9	6.1	6.6		4.5	5.0	5.3	5.6		3.7	4.2	4.4	5.0	
46.0	4.8	5.2	5.4			3.9	4.3	4.6	4.9		3.2	3.6	4.0	4.3	
48.0	4.1	4.4	4.6			3.3	3.6	3.9	4.1		2.7	3.1	3.4	3.8	
50.0	3.2	3.6	3.9			2.7	3.0	3.3			2.2	2.6	2.8	3.3	
55.0	1.6	1.8					1.5	1.7				1.5	1.6		
θ (°)	27~83	29~83	34~83	51~83	64~83	39~83	37~83	38~83	49~83	64~83	44~83	42~83	44~83	48~83	64~83
F	65 t hook (940kg)					65 t hook (940kg)					65 t hook (940kg)				
H	3 part - line					3 part - line					3 part - line				

B = Working radius (ระยะห่างจากจุดยก)
 F = Standard hook (รถมาตรฐาน)
 H = No. of part - line (จำนวนรอบสลิง)
 θ = Boom angle range (for the unladen condition) (มุมองศา)

Performance LS [1.8 m + 29 m luffing jib]

Unit : ton

Boom	18.1 m					22.6 m					31.8 m					36.3 m				
B(m)	offset					offset					offset					offset				
	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°
12.0	27.0																			
14.0	27.0					25.0														
16.0	25.9	23.0				25.0					16.8					11.0				
18.0	25.2	23.0				24.8	22.8				16.8					11.0				
20.0	23.9	22.2				24.0	22.0				16.8	16.8				11.0				
22.0	22.7	21.3	19.5			23.1	21.2	20.0			16.8	16.8				11.0	11.0			
24.0	21.8	20.4	18.5			22.0	20.4	19.1			16.8	16.8	16.8			11.0	11.0			
26.0	20.8	19.2	17.5	14.0		20.4	19.7	18.2			16.5	16.8	16.5			11.0	11.0	11.0		
28.0	19.2	18.2	16.5	14.0		18.0	19.1	17.4	15.0		16.0	16.5	16.0			11.0	11.0	11.0		
30.0	17.1	17.0	16.0	13.3	10.7	16.0	17.0	16.5	14.4		14.8	15.6	15.6	13.3		11.0	11.0	11.0		
32.0	15.4	16.0	15.0	12.8	10.3	14.2	15.2	15.8	13.8	10.9	13.4	14.3	15.2	13.1		10.5	10.5	10.6	11.0	
34.0	13.8	14.1	14.5	12.3	10.1	12.8	13.5	14.3	13.3	10.7	12.2	13.1	13.8	12.8	10.7	10.0	10.0	10.3	10.5	8.5
36.0	12.6	13.1	13.6	11.9		11.4	12.1	12.9	12.9	10.5	11.2	11.9	12.7	12.6	10.6	9.5	9.5	9.9	10.1	8.4
38.0	11.4	11.8	12.4	11.7		10.2	10.9	11.5	12.2		10.0	10.8	11.5	12.3	10.5	8.7	9.1	9.6	9.7	8.3
40.0	10.3	10.7	11.5			9.2	9.9	10.3	11.0		8.9	9.6	10.2	11.1	10.4	7.7	8.3	8.8	9.3	8.2
42.0	9.5	9.8	10.1			8.2	8.8	9.3	9.8		7.9	8.6	9.2	10.0		6.8	7.4	8.0	8.5	8.2
44.0	8.7	8.8				7.4	7.9	8.2			7.0	7.6	8.1	8.8		6.0	6.6	7.2	7.8	
46.0						6.6	6.9	7.2			6.1	6.7	7.2	7.7		5.3	5.8	6.3	6.9	
48.0						5.9	6.1				5.4	5.9	6.3	6.7		4.5	5.1	5.5	6.0	
50.0											4.7	5.1	5.5			3.9	4.4	4.8	5.2	
55.0											3.2	3.5				2.6	2.9	3.2		
θ (°)	23~83	27~83	33~83	51~83	66~83	24~83	28~83	32~83	48~83	66~83	28~83	31~83	36~83	48~83	65~83	36~83	39~83	42~83	46~83	65~83
F	65 t hook (940kg)					65 t hook (940kg)					25 t hook (730 kg)					25 t hook (730 kg)				
H	4 part - line					4 part - line					2 part - line					2 part - line				

Boom	40.9 m					45.4 m					50.0 m				
B (m)	offset					offset					offset				
	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°
18.0	9.0														
20.0	9.0					8.0					6.6				
22.0	9.0	8.4				8.0					6.6				
24.0	9.0	8.4				8.0	8.0				6.6				
26.0	9.0	8.4	8.4			8.0	8.0				6.6	6.4			
28.0	9.0	8.4	8.4			8.0	8.0	8.0			6.5	6.3			
30.0	8.8	8.4	8.4			8.0	8.0	8.0			6.3	6.1	6.1		
32.0	8.5	8.4	8.4	7.8		8.0	8.0	8.0			6.0	6.0	6.0		
34.0	8.1	8.1	8.4	7.8		7.5	8.0	8.0	7.0		5.8	5.9	5.9	5.4	
36.0	7.8	7.9	8.1	7.8	7.0	7.1	7.4	7.5	7.0		5.6	5.8	5.8	5.4	
38.0	7.5	7.7	7.9	7.8	7.0	6.7	6.9	7.1	7.0	6.0	5.1	5.6	5.7	5.4	4.2
40.0	6.9	7.3	7.7	7.8	7.0	6.0	6.4	6.6	7.0	6.0	4.6	5.1	5.6	5.3	4.2
42.0	6.3	6.7	7.2	7.5	7.0	5.4	5.8	6.2	6.5	6.0	4.1	4.6	5.1	5.2	4.2
44.0	5.8	6.1	6.7	7.2	7.0	4.8	5.2	5.6	6.1	6.0	3.6	4.1	4.6	5.1	4.2
46.0	5.3	5.6	6.3	6.7		4.3	4.7	5.1	5.8	5.8	3.1	3.6	4.2	4.9	4.2
48.0	4.8	5.1	5.8	6.2		3.9	4.2	4.5	4.9		2.8	3.2	3.7	4.5	
50.0	4.2	4.7	5.0	5.8		3.3	3.7	4.0	4.4		2.4	2.8	3.2	4.0	
55.0	2.5	3.1	3.5	3.9		1.9	2.4	2.8	3.2		1.8	2.0	2.4	2.8	
60.0			1.5											2.0	
θ (°)	37~83	40~83	39~83	42~83	65~83	46~83	49~83	51~83	54~83	65~83	47~83	50~83	52~83	51~83	65~83
F	25 t hook (730 kg)					25 t hook (730 kg)					25 t hook (730 kg)				
H	2 part - line					2 part - line					2 part - line				

B = Working radius (ระยะห่างจากจุดยก)
 F = Standard hook (รอกมาตรฐาน)
 H = No. of part - line (จำนวนรอบสลิง)
 θ = Boom angle range (for the unladen condition) (มุมองศา)



Performance LS [1.8 m + 3.7 m luffing jib]

Unit : ton

Boom	31.8 m					36.3 m					40.9 m				
B (m)	offset					offset					offset				
	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°
18.0	8.5														
20.0	8.5					7.4					6.3				
22.0	8.5					7.4					6.3				
24.0	8.5	8.5				7.4					6.3				
26.0	8.5	8.5				7.4	7.4				6.3	6.3			
28.0	8.5	8.5				7.4	7.4				6.3	6.3			
30.0	8.5	8.5	8.4			7.4	7.4	7.4			6.3	6.3			
32.0	8.5	8.5	8.2			7.4	7.4	7.4			6.2	6.2	6.3		
34.0	8.5	8.5	8.0			7.4	7.4	7.4			6.1	6.1	6.3		
36.0	8.5	8.3	7.8	7.2		7.4	7.4	7.4			6.0	6.1	6.2		
38.0	8.5	8.1	7.6	7.0		7.4	7.4	7.4	6.7		5.9	6.0	6.1	6.1	
40.0	8.5	8.0	7.4	6.8		7.4	7.4	7.4	6.4		5.8	5.9	6.0	6.1	
42.0	8.2	7.8	7.2	6.7	5.9	7.0	7.4	7.4	6.2	5.5	5.7	5.8	5.9	6.0	
44.0	7.8	7.6	7.0	6.5	5.8	6.4	6.8	7.2	6.0	5.3	5.6	5.7	5.8	6.0	5.2
46.0	7.4	7.5	6.9	6.3	5.6	5.9	6.3	6.8	5.8	5.3	5.5	5.6	5.7	5.9	5.2
48.0	6.6	7.3	6.8	6.2	5.5	5.3	5.8	6.3	5.6	5.3	5.2	5.3	5.6	5.8	5.2
50.0	6.1	6.6	6.6	6.1		4.7	5.3	5.6	5.5	5.3	4.8	5.1	5.5	5.7	5.2
55.0	4.6	5.1	5.5	5.8		3.4	3.9	4.4	4.9		3.8	4.3	4.7	5.2	
60.0	3.3	3.7	4.0			2.3	2.8	3.1			2.8	3.2	3.6	4.0	
65.0		2.1					1.6	1.8					2.4		
θ (°)	26~83	25~83	30~83	45~83	66~83	34~83	35~83	38~83	51~83	61~83	40~83	43~83	44~83	48~83	64~83
F	9.4 t hook (430kg)					9.4 t hook (430kg)					9.4 t hook (430kg)				
H	1 part - line					1 part - line					1 part - line				

Boom	45.5 m					Boom	50.0 m				
B (m)	offset					B (m)	offset				
	10°	20°	30°	45°	60°		10°	20°	30°	45°	60°
22.0	5.0					24.0	3.8				
24.0	5.0					26.0	3.8				
26.0	5.0					28.0	3.8				
28.0	5.0	5.0				30.0	3.8	3.8			
30.0	5.0	5.0				32.0	3.8	3.8			
32.0	5.0	5.0				34.0	3.8	3.8	3.8		
34.0	5.0	5.0	5.0			36.0	3.8	3.8	3.8		
36.0	5.0	5.0	5.0			38.0	3.8	3.8	3.8		
38.0	5.0	5.0	5.0			40.0	3.8	3.8	3.8		
40.0	5.0	5.0	5.0	5.0		42.0	3.8	3.8	3.8	3.8	
42.0	5.0	5.0	5.0	5.0		44.0	3.7	3.8	3.8	3.8	
44.0	4.9	5.0	5.0	5.0		46.0	3.6	3.7	3.7	3.8	3.3
46.0	4.6	4.8	5.0	5.0	5.0	48.0	3.2	3.6	3.6	3.7	3.3
48.0	4.2	4.6	4.8	5.0	5.0	50.0	2.8	3.2	3.5	3.6	3.3
50.0	3.8	4.2	4.5	4.7	5.0	55.0	2.1	2.4	2.8	3.3	3.3
55.0	3.0	3.2	3.5	3.9	4.3	60.0	1.5	1.6	2.0	2.5	
60.0	1.7	2.3	2.6	3.0		65.0				1.6	
65.0			1.7	2.1							
θ (°)	44~83	48~83	49~83	51~83	61~83	θ (°)	48~83	51~83	54~83	55~83	64~83
F	9.4 t hook (430kg)					F	9.4 t hook (430kg)				
H	1 part - line					H	1 part - line				

B = Working radius

(ระยะห่างจากจุดยก)

F = Standard hook

(รถมาตรฐาน)

H = No. of part - line

(จำนวนรอบสลิง)

θ = Boom angle range

(for the unladen condition) (เบืองศ)

Performance LS [1.8 m + 45 m luffing jib]

Unit : ton

Boom	31.8 m					36.3 m					40.9 m				
B (m)	offset					offset					offset				
	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°	10°	20°	30°	45°	60°
20.0	5.8														
22.0	5.8					5.0									
24.0	5.8					5.0					4.2				
26.0	5.7					5.0					4.2				
28.0	5.6	5.2				5.0					4.2				
30.0	5.5	5.2				5.0	5.0				4.2	4.2			
32.0	5.3	5.0				5.0	5.0				4.2	4.2			
34.0	5.2	4.8	4.3			5.0	5.0				4.2	4.2			
36.0	5.0	4.6	4.2			4.9	4.9	4.1			4.2	4.2	4.0		
38.0	4.9	4.5	4.1			4.8	4.8	4.1			4.2	4.2	4.0		
40.0	4.7	4.3	3.9			4.7	4.7	4.1			4.2	4.2	3.9		
42.0	4.6	4.1	3.8	3.5		4.6	4.6	4.1			4.2	4.1	3.8		
44.0	4.4	4.0	3.7	3.3		4.5	4.5	4.1	3.3		4.2	4.0	3.7		
46.0	4.2	3.9	3.6	3.3		4.4	4.4	4.1	3.3		4.1	3.9	3.7	3.3	
48.0	4.1	3.7	3.5	3.3	3.1	4.3	4.3	4.0	3.3		4.0	3.8	3.6	3.2	
50.0	4.0	3.6	3.4	3.2	3.1	4.2	4.2	3.9	3.2	3.0	3.8	3.7	3.5	3.2	3.0
55.0	3.8	3.4	3.2	3.2	3.1	3.9	3.8	3.4	2.9	3.0	3.5	3.5	3.4	3.1	3.0
60.0	3.6	3.3	3.2	3.1		2.8	3.3	3.0	2.7		3.0	3.3	3.2	3.1	3.0
65.0	2.7	3.1	3.1			1.7	2.2	2.7	2.4			2.6	3.0	3.0	
70.0			2.1											2.5	
θ (°)	32~83	36~83	36~83	52~83	63~83	42~83	47~83	51~83	55~83	67~83	47~83	46~83	50~83	51~83	62~83
F	9.4 t hook (430 kg)					9.4 t hook (430 kg)					9.4 t hook (430 kg)				
H	1 part - line					1 part - line					1 part - line				

Boom	45.5 m					Boom	50.0 m				
B (m)	offset					B (m)	offset				
	10°	20°	30°	45°	60°		10°	20°	30°	45°	60°
24.0	3.5					26.0	2.8				
26.0	3.5					28.0	2.8				
28.0	3.5					30.0	2.8				
30.0	3.5					32.0	2.8				
32.0	3.5	3.5				34.0	2.8	2.8			
34.0	3.5	3.5				36.0	2.8	2.8			
36.0	3.5	3.5				38.0	2.8	2.8			
38.0	3.5	3.5	3.5			40.0	2.8	2.8	2.8		
40.0	3.5	3.5	3.5			42.0	2.8	2.8	2.8		
42.0	3.5	3.5	3.5			44.0	2.8	2.8	2.8		
44.0	3.5	3.5	3.5			46.0	2.7	2.8	2.8		
46.0	3.5	3.5	3.5	3.0		48.0	2.6	2.8	2.8	2.8	
48.0	3.4	3.5	3.5	3.0		50.0	2.5	2.8	2.8	2.8	
50.0	3.2	3.5	3.4	3.0		55.0	2.2	2.4	2.6	2.8	2.3
55.0	2.8	3.3	3.1	3.0	2.7	60.0	1.9	2.1	2.3	2.5	2.3
60.0	2.1	2.4	2.8	2.8	2.5	65.0		1.7	1.9	2.2	2.3
65.0		1.7	2.1	2.5		70.0				1.4	
70.0				1.7							
θ (°)	50~83	50~83	53~83	55~83	65~83	θ (°)	53~83	53~83	56~83	58~83	62~83
F	9.4 t hook (430 kg)					F	9.4 t hook (430 kg)				
H	1 part - line					H	1 part - line				

B = Working radius (ระยะห่างจากจุดยก)
 F = Standard hook (รอกมาตรฐาน)
 H = No. of part - line (จำนวนรอบสลิง)
 θ = Boom angle range (for the unladen condition) (มุมองศา)



Performance FA [31.8 m boom + 1.7 m + Fully automatic luffing jib]

Unit : ton

C D B (m)	1.7 m + 10.2 m										1.7 m + 17.9 m										1.7 m + 25.7 m									
	5°		15°		25°		40°		60°		5°		15°		25°		40°		60°		5°		15°		25°		40°		60°	
	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M
7.0	81.0	18.6																												
8.0	79.7	18.6																												
9.0	78.4	18.6	80.8	13.9																										
10.0	77.1	17.6	79.5	13.4	81.5	10.8					80.5	9.3																		
11.0	75.8	16.8	78.2	12.9	80.1	10.5					79.5	9.3																		
12.0	74.5	16.0	76.8	12.4	78.8	10.2	81.3	8.2			78.4	9.3									80.8	5.6								
14.0	71.8	14.7	74.1	11.6	76.1	9.7	78.4	7.9	80.6	6.7	76.3	8.9	79.5	7.2							79.0	5.6								
16.0	69.0	13.6	71.4	10.9	73.3	9.2	75.6	7.7	77.5	6.6	74.1	8.5	77.3	6.6	80.3	5.4					77.2	5.6								
18.0	66.1	12.6	68.6	10.3	70.4	8.8	72.6	7.4	74.4	6.6	71.8	7.8	75.0	6.2	78.0	5.0					75.3	5.1	79.4	3.9						
20.0	63.2	11.8	65.7	9.8	67.5	8.5	69.6	7.3	71.1	6.6	69.5	7.2	72.7	5.7	75.6	4.8	79.2	3.8			73.3	4.7	77.5	3.6	81.4	2.9				
22.0	60.2	11.0	62.6	9.3	64.5	8.2	66.5	7.1	67.7	6.6	67.1	6.7	70.3	5.5	73.3	4.6	76.7	3.8	80.2	3.1	71.4	4.4	75.6	3.5	79.5	2.8				
24.0	57.0	10.4	59.5	8.9	61.3	7.9	63.2	7.0			64.7	6.2	67.9	5.2	70.8	4.4	74.1	3.6	77.4	3.1	69.4	4.0	73.6	3.2	77.5	2.6				
26.0	53.8	9.8	56.3	8.6	58.0	7.7	59.8	7.0			62.2	5.8	65.4	4.9	68.3	4.2	71.5	3.5	74.5	3.0	67.3	3.7	71.6	3.0	75.4	2.4	79.5	2.0		
28.0	50.3	9.3	52.8	8.2	54.5	7.5	56.1	6.9			59.6	5.4	62.8	4.6	65.7	4.0	68.7	3.3	71.4	3.0	65.2	3.5	69.6	2.8	73.5	2.4	77.4	2.0		
30.0	46.6	8.8	49.2	8.0	50.8	7.1	52.2	6.9			56.9	5.1	60.1	4.4	63.0	3.9	65.9	3.3	68.2	3.0	63.1	3.2	67.5	2.6	71.4	2.3	75.2	2.0	79.5	1.5
32.0	42.6	7.9	45.2	7.7	46.7	6.8					54.1	4.8	57.4	4.2	60.2	3.8	62.9	3.3			60.9	3.0	65.4	2.6	69.2	2.2	72.8	1.9	76.9	1.5
34.0	38.2	6.7	40.7	6.7	42.2	6.4					51.2	4.5	54.5	4.0	57.2	3.6	59.8	3.2			58.7	2.9	63.2	2.5	67.1	2.2	70.5	1.9	74.2	1.5
36.0	33.1	5.5	35.6	5.7	36.9	5.8					48.2	4.3	51.4	3.9	54.1	3.5	56.4	3.2			56.4	2.8	60.9	2.4	64.8	2.1	68.0	1.9	71.3	1.4
38.0	27.2	4.4	29.4	4.5							44.9	4.1	48.1	3.8	50.8	3.5	52.8	3.2			53.9	2.6	58.5	2.4	62.5	2.1	65.5	1.9		
40.0	19.1	2.7									41.3	3.9	44.6	3.8	47.3	3.5					51.4	2.5	56.1	2.4	60.1	2.1	62.8	1.8		
42.0											37.5	3.7	40.7	3.7	43.3	3.5					48.8	2.4	53.5	2.3	57.5	2.1	59.9	1.8		
44.0											33.0	3.5	36.3	3.6	38.7	3.5					46.0	2.3	50.8	2.2	54.8	2.0	56.9	1.8		
46.0											27.7	3.1	30.9	3.3							43.0	2.2	47.9	2.2	51.9	2.0	53.6	1.8		
48.0											20.3	1.8									39.7	2.1	44.7	2.1	48.7	1.9				
50.0																					36.1	1.9	41.2	2.0	45.1	1.8				
55.0																					24.3	1.7	29.6	1.8						
θ(°)	18~83		28~83		35~83		51~83		66~83		19~83		29~83		37~83		51~83		67~83		23~83		28~83		44~83		52~83		71~83	
F	25 t hook (730 kg)										9.4 t hook (430 kg)										9.4 t hook (430 kg)									
H	2 part - line										1 part - line										1 part - line									

B = Working radius (ระยะห่างจากจุดยก) C = Jib length D = Jib offset
 E = Boom angle F = Standard hook (รอกมาตรฐาน)
 H = No. of part - line (จำนวนรอบสลิง) M = Total rated load
 θ = Boom angle range (for the unladen condition) (มุมองศา)

Performance FA [40.9 m boom + 1.7 m + Fully automatic luffing jib]

Unit : ton

C D	1.7 m + 10.2 m										1.7 m + 17.9 m										1.7 m + 25.7 m										
	5°		15°		25°		40°		60°		5°		15°		25°		40°		60°		5°		15°		25°		40°		60°		
B (m)	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	
9.0	81.3	18.6																													
10.0	80.4	18.6																													
11.0	79.3	17.9	81.2	13.4																											
12.0	78.3	17.2	80.2	13.0							81.0	9.3																			
14.0	76.2	16.0	78.1	12.3	79.4	10.0	81.5	8.0			79.3	9.3																			
16.0	74.1	14.8	76.0	11.6	77.3	9.6	79.3	7.8	80.1	6.5	77.6	8.9	80.1	7.0							80.0	5.6									
18.0	71.9	13.9	73.8	11.0	75.1	9.2	77.1	7.6	77.7	6.5	75.8	8.4	78.3	6.4	80.8	5.1					78.5	5.3									
20.0	69.7	13.0	71.6	10.5	72.9	8.9	74.8	7.4	75.2	6.5	74.0	7.8	76.5	6.1	79.0	4.8					76.9	4.9	80.2	4.0							
22.0	67.4	12.3	69.4	10.1	70.6	8.6	72.5	7.3	72.7	6.5	72.1	7.2	74.6	5.6	77.1	4.6	80.2	3.7			75.3	4.6	78.5	3.5							
24.0	65.0	11.2	67.1	9.7	68.3	8.4	70.2	7.2	70.0	6.5	70.2	6.8	72.7	5.5	75.2	4.4	78.2	3.6	79.9	3.0	73.7	4.3	77.0	3.3	80.0	2.7					
26.0	62.5	10.0	64.7	9.1	65.9	8.1	67.8	7.1	67.3	6.5	68.2	6.4	70.8	5.1	73.3	4.3	76.2	3.5	77.7	3.0	72.1	4.0	75.3	3.1	78.4	2.6					
28.0	59.9	9.0	62.2	8.3	63.4	7.7	65.3	7.0			66.2	6.0	68.8	4.9	71.3	4.2	74.2	3.4	75.3	3.0	70.5	3.8	73.7	3.0	76.8	2.5	80.3	1.9			
30.0	57.3	8.1	59.5	7.6	60.8	7.1	62.6	6.7			64.2	5.7	66.8	4.8	69.4	4.1	72.2	3.4	72.9	3.0	68.8	3.6	72.1	2.9	75.1	2.4	78.6	1.9			
32.0	54.5	7.1	56.8	6.9	58.0	6.5	59.8	6.2			62.1	5.4	64.7	4.5	67.3	4.0	70.0	3.3	70.5	3.0	67.1	3.3	70.4	2.7	73.5	2.3	76.8	1.8	79.6	1.4	
34.0	51.6	6.2	53.9	6.1	55.1	6.0	56.8	5.8			60.0	5.2	62.6	4.4	65.2	3.9	67.9	3.3	67.9	3.0	65.4	3.2	68.7	2.6	71.7	2.2	75.1	1.8	77.5	1.4	
36.0	48.5	5.2	50.8	5.2	52.1	5.6					57.8	5.0	60.4	4.3	63.0	3.8	65.7	3.3			63.6	3.0	66.9	2.5	70.0	2.1	73.2	1.8	75.3	1.4	
38.0	45.2	4.3	47.4	4.3	48.7	4.8					55.5	4.7	58.2	4.2	60.7	3.7	63.3	3.2			61.8	2.9	65.1	2.4	68.2	2.1	71.3	1.7	73.1	1.4	
40.0	41.6	3.1	43.8	3.4	45.0	3.7					53.0	4.3	55.8	4.0	58.4	3.6	60.9	3.2			59.9	2.8	63.2	2.3	66.3	2.0	69.4	1.7	70.8	1.4	
42.0	37.7	2.1	39.3	2.4	40.8	2.5					50.4	3.8	53.2	3.6	55.9	3.5	58.3	3.1			57.9	2.6	61.3	2.2	64.5	2.0	67.5	1.7			
44.0			35.4	1.4	36.2	1.5					47.6	3.2	50.5	3.3	53.1	3.1	55.6	3.1			55.9	2.5	59.4	2.2	62.6	2.0	65.4	1.7			
46.0											44.6	2.7	47.5	2.9	50.1	2.8	52.5	2.9			53.9	2.4	57.4	2.2	60.6	2.0	63.2	1.6			
48.0											41.2	1.9	44.2	2.3	46.9	2.4					51.7	2.3	55.3	2.1	58.4	1.9	61.0	1.6			
50.0														43.2	1.8							49.4	2.2	53.0	2.0	56.3	1.9	58.7	1.6		
55.0																									50.1	1.7					
θ(°)	37~83		35~83		36~83		55~83		66~83		41~83		43~83		42~83		51~83		67~83		48~83		52~83		49~83		58~83		70~83		
F	25 t hook (730 kg)										9.4 t hook (430 kg)										9.4 t hook (430 kg)										
H	2 part - line										1 part - line										1 part - line										

B = Working radius (ระยะห่างจากจุดยึด) C = Jib length (รอกมาตรฐาน) D = Jib offset
 E = Boom angle (มุมยก) F = Standard hook (จำนวนรอกสลิง) M = Total rated load
 H = No. of part - line (จำนวนรอกสลิง) (for the unladen condition) (เบรก)
 θ = Boom angle range





Performance FA [45.4 m boom + 1.7 m + Fully automatic luffing jib]

Unit : ton

C D	1.7 m + 10.2 m										1.7 m + 17.9 m										1.7 m + 25.7 m									
	5°		15°		25°		40°		60°		5°		15°		25°		40°		60°		5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M
11.0	80.7	17.6																												
12.0	79.8	17.0	81.4	12.8																										
14.0	78.0	15.8	79.5	12.0	80.8	9.7																								
16.0	76.1	14.8	77.7	11.5	79.0	9.4	80.7	7.5			78.9	8.5									80.7	5.3								
18.0	74.1	13.8	75.7	10.8	77.1	9.0	78.7	7.1	80.2	6.3	77.3	8.5	79.9	7.1							79.4	5.3								
20.0	72.1	12.4	73.8	10.2	75.1	8.6	76.6	6.7	78.0	6.0	75.7	8.0	78.2	6.3	80.5	5.1					78.0	5.0	81.2	4.6						
22.0	69.9	11.0	71.8	9.6	73.1	8.3	74.6	6.3	75.8	5.7	74.0	7.5	76.5	5.8	78.9	4.8					76.5	4.7	79.6	3.8						
24.0	67.8	9.8	69.7	8.9	71.1	7.9	72.5	6.2	73.7	5.7	72.3	7.0	74.8	5.5	77.2	4.6	79.9	3.7			75.1	4.4	78.2	3.5	81.1	2.9				
26.0	65.6	8.8	67.5	8.3	68.9	7.5	70.4	6.1	71.5	5.7	70.5	6.6	73.1	5.3	75.5	4.4	78.2	3.6			73.6	4.1	76.6	3.2	79.5	2.5				
28.0	63.3	8.0	65.3	7.7	66.8	7.2	68.2	5.9	69.2	5.7	68.8	6.3	71.4	5.1	73.8	4.3	76.4	3.5	78.0	3.0	72.1	3.9	75.1	3.0	78.1	2.4				
30.0	61.0	7.3	63.1	7.1	64.5	6.7	65.9	5.8			67.0	6.0	69.6	4.9	72.1	4.2	74.6	3.4	76.1	3.0	70.6	3.7	73.6	2.8	76.6	2.3	79.6	1.8		
32.0	58.6	6.6	60.7	6.4	62.1	6.2	63.6	5.7			65.1	5.6	67.8	4.7	70.3	4.1	72.8	3.3	74.0	2.9	69.0	3.5	72.1	2.7	75.1	2.3	78.0	1.8		
34.0	56.1	5.9	58.2	5.7	59.7	5.7	61.2	5.5			63.2	5.4	65.9	4.5	68.5	4.0	70.9	3.2	71.9	2.9	67.4	3.3	70.5	2.6	73.6	2.2	76.4	1.7	79.8	1.4
36.0	53.5	5.2	55.5	4.9	57.0	5.0	58.5	5.0			61.3	5.2	64.0	4.3	66.6	3.9	69.0	3.2	69.7	2.9	65.8	3.1	69.0	2.5	72.0	2.1	74.8	1.7	78.0	1.3
38.0	50.7	4.2	52.7	4.2	54.1	4.2	55.7	4.5			59.3	4.9	62.1	4.2	64.7	3.8	67.0	3.1			64.2	3.0	67.4	2.5	70.4	2.1	73.1	1.7	76.1	1.3
40.0	47.7	3.1	49.8	3.4	51.1	3.4	52.6	3.9			57.0	4.3	60.1	4.1	62.7	3.7	65.0	3.1			62.4	2.8	65.7	2.4	68.8	2.0	71.4	1.7	74.3	1.3
42.0	44.5	2.1	46.6	2.4	47.9	2.6					54.7	3.7	57.8	3.6	60.6	3.6	62.8	3.0			60.7	2.7	64.1	2.4	67.1	2.0	69.6	1.6	72.4	1.3
44.0					44.3	1.6					52.3	3.1	55.4	3.2	58.3	3.3	60.7	3.0			59.0	2.6	62.3	2.3	65.4	1.9	67.8	1.6		
46.0											49.7	2.5	52.9	2.7	55.7	2.8	58.3	2.9			57.1	2.5	60.5	2.2	63.7	1.9	66.0	1.6		
48.0											46.9	1.7	50.2	2.2	53.0	2.3	55.7	2.7			55.3	2.4	58.7	2.2	61.8	1.8	64.1	1.6		
50.0															50.1	1.8					53.3	2.3	56.8	2.1	60.0	1.8	62.0	1.5		
55.0																									54.9	1.7	56.6	1.5		
θ (°)	44~83		46~83		44~83		51~83		67~83		46~83		49~83		49~83		54~83		68~83		52~83		56~83		54~83		55~83		72~83	
F	25 t hook (730 kg)										9.4 t hook (430 kg)										9.4 t hook (430 kg)									
H	2 part - line										1 part - line										1 part - line									

B = Working radius (ระยะห่างจากจุดหยก) C = Jib length D = Jib offset
 E = Boom angle F = Standard hook (รอกมาตรฐาน)
 H = No. of part - line (จำนวนรอบสลิง) M = Total rated load
 θ = Boom angle range (for the unladen condition) (มุมองศา)

Performance FA [50.0 m boom + 1.7 m + Fully automatic luffing jib]

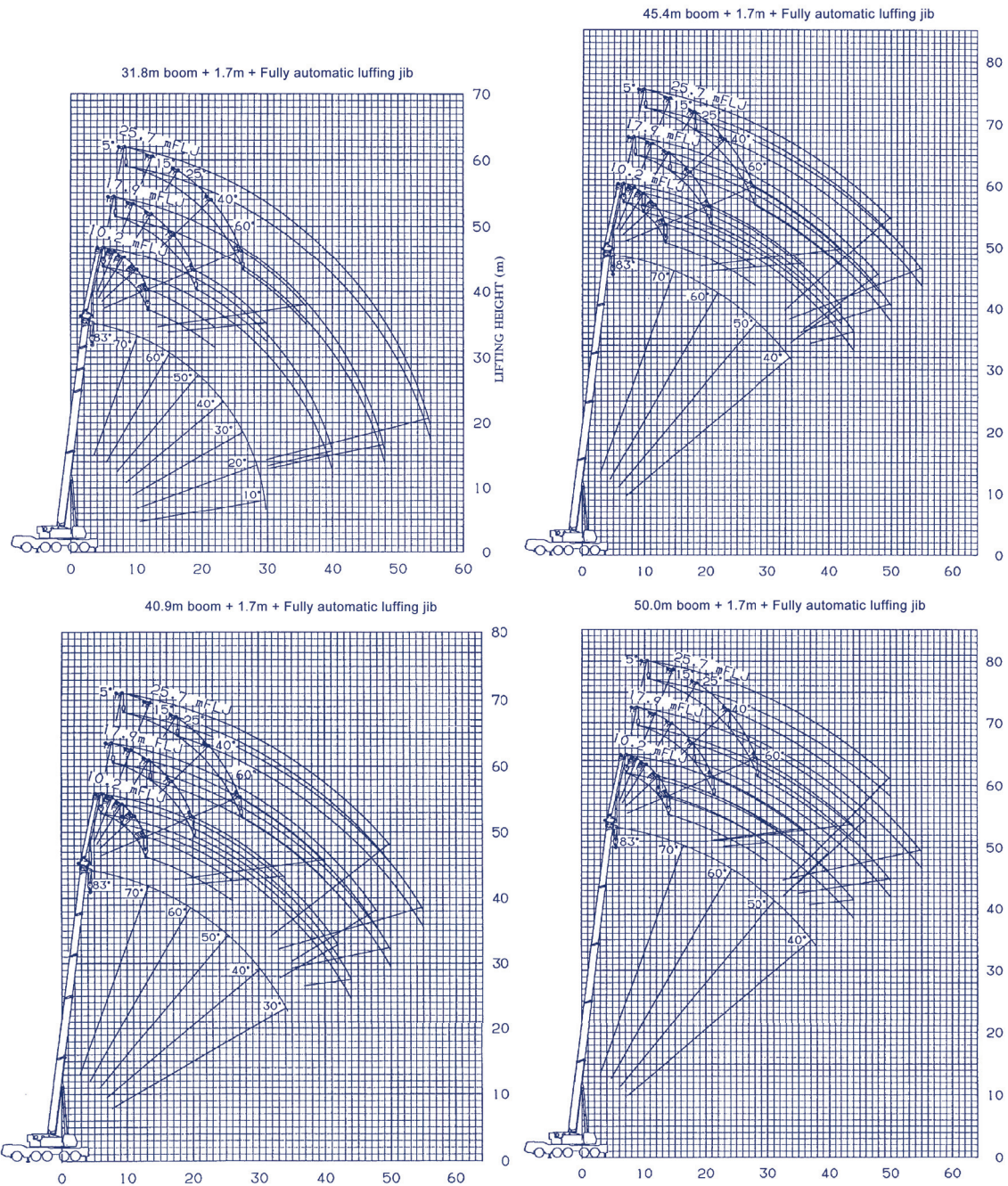
Unit : ton

C D	1.7 m + 10.2 m										1.7 m + 17.9 m										1.7 m + 25.7 m									
	5°		15°		25°		40°		60°		5°		15°		25°		40°		60°		5°		15°		25°		40°		60°	
B (m)	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M
14.0	79.4	13.2	81.1	12.6							79.7	8.0																		
16.0	77.8	13.2	79.4	11.7	80.6	9.6																								
18.0	76.1	13.2	77.6	10.7	78.8	8.8	80.4	7.1			78.3	8.0	81.4	7.1							79.9	5.0								
20.0	74.2	12.0	75.7	9.5	77.0	8.0	78.6	6.5	79.5	5.6	76.8	8.0	80.0	6.8							78.7	5.0								
22.0	72.3	10.7	73.9	8.9	75.1	7.5	76.7	6.2	77.6	5.5	75.4	8.0	78.5	6.5	80.2	5.2					77.4	5.0	81.2	4.7						
24.0	70.3	9.4	72.1	8.3	73.3	7.0	74.9	6.0	75.7	5.5	73.9	7.9	77.0	6.2	78.7	5.0	81.5	4.0			76.1	5.0	79.8	4.4						
26.0	68.4	8.4	70.2	7.9	71.5	6.9	73.1	5.9	73.8	5.4	72.3	7.4	75.5	5.9	77.2	4.8	79.9	3.9			74.8	5.0	78.5	4.1	81.0	3.4				
28.0	66.3	7.3	68.2	7.1	69.6	6.7	71.2	5.8	71.8	5.3	70.7	7.0	74.0	5.6	75.6	4.5	78.4	3.8	80.2	3.2	73.4	4.7	77.1	3.8	79.6	3.0				
30.0	64.1	6.4	66.1	6.4	67.6	6.1	69.3	5.7	69.8	5.3	69.0	6.4	72.3	5.1	74.0	4.2	76.7	3.5	78.4	3.0	72.0	4.5	75.8	3.6	78.2	2.9				
32.0	62.0	5.6	64.0	5.7	65.5	5.6	67.3	5.4			67.2	5.8	70.6	4.7	72.3	4.0	75.0	3.3	76.7	2.9	70.6	4.3	74.4	3.4	76.9	2.8	80.2	2.1		
34.0	59.8	4.9	61.8	5.1	63.3	5.1	65.0	4.9			65.4	5.2	68.9	4.4	70.6	3.8	73.4	3.2	74.8	2.8	69.1	4.0	72.9	3.2	75.4	2.6	78.7	2.0		
36.0	57.5	4.2	59.5	4.5	61.0	4.5	62.7	4.3			63.5	4.7	67.2	4.1	68.9	3.6	71.6	3.0	73.0	2.7	67.6	3.8	71.5	3.0	74.0	2.5	77.4	2.0	79.8	1.6
38.0	55.1	3.6	57.1	3.8	58.6	4.0	60.2	3.7			61.6	4.2	65.4	3.9	67.2	3.4	69.9	2.9			66.0	3.5	70.0	2.8	72.6	2.4	75.9	1.9	78.1	1.5
40.0	52.6	3.0	54.6	3.2	56.1	3.4	57.6	3.2			59.6	3.6	63.5	3.4	65.3	3.2	68.1	2.8			64.4	3.2	68.5	2.6	71.1	2.3	74.4	1.8	76.5	1.5
42.0			51.9	2.3	53.4	2.6	54.8	2.6			57.6	3.1	61.5	3.1	63.4	3.0	66.2	2.7			62.8	3.0	66.9	2.4	69.6	2.2	72.8	1.7	74.9	1.5
44.0							51.8	1.8			55.4	2.6	59.5	2.8	61.5	2.9	64.3	2.6			61.1	2.7	65.3	2.2	67.9	1.9	71.2	1.6	73.1	1.4
46.0											53.3	2.3	57.4	2.4	59.6	2.8	62.3	2.5			59.3	2.4	63.7	2.1	66.3	1.8	69.7	1.6		
48.0													55.2	2.1	57.4	2.5	60.2	2.4			57.6	2.2	62.1	2.0	64.6	1.7	68.0	1.5		
50.0																	57.8	2.1			55.7	1.9	60.2	1.7	62.9	1.6	66.3	1.4		
55.0																											61.9	1.3		
θ(°)	52~83		51~83		52~83		51~83		68~83		53~83		54~83		56~83		56~83		71~83		55~83		59~83		62~83		61~83		72~83	
F	25 t hook (730 kg)										9.4 t hook (430 kg)										9.4 t hook (430 kg)									
H	2 part - line										1 part - line										1 part - line									

B = Working radius (ระยะห่างจากจุดยก) C = Jib length D = Jib offset
 E = Boom angle F = Standard hook (สอมาตรฐาน) M = Total rated load
 H = No. of part - line (จำนวนรอบสลิง) θ = Boom angle range (for the unladen condition) (มุมองศา)



Performance FA (Fully Automatic Luffing jib)



LIFTING HEIGHT (m)

WORKING RADIUS (m)