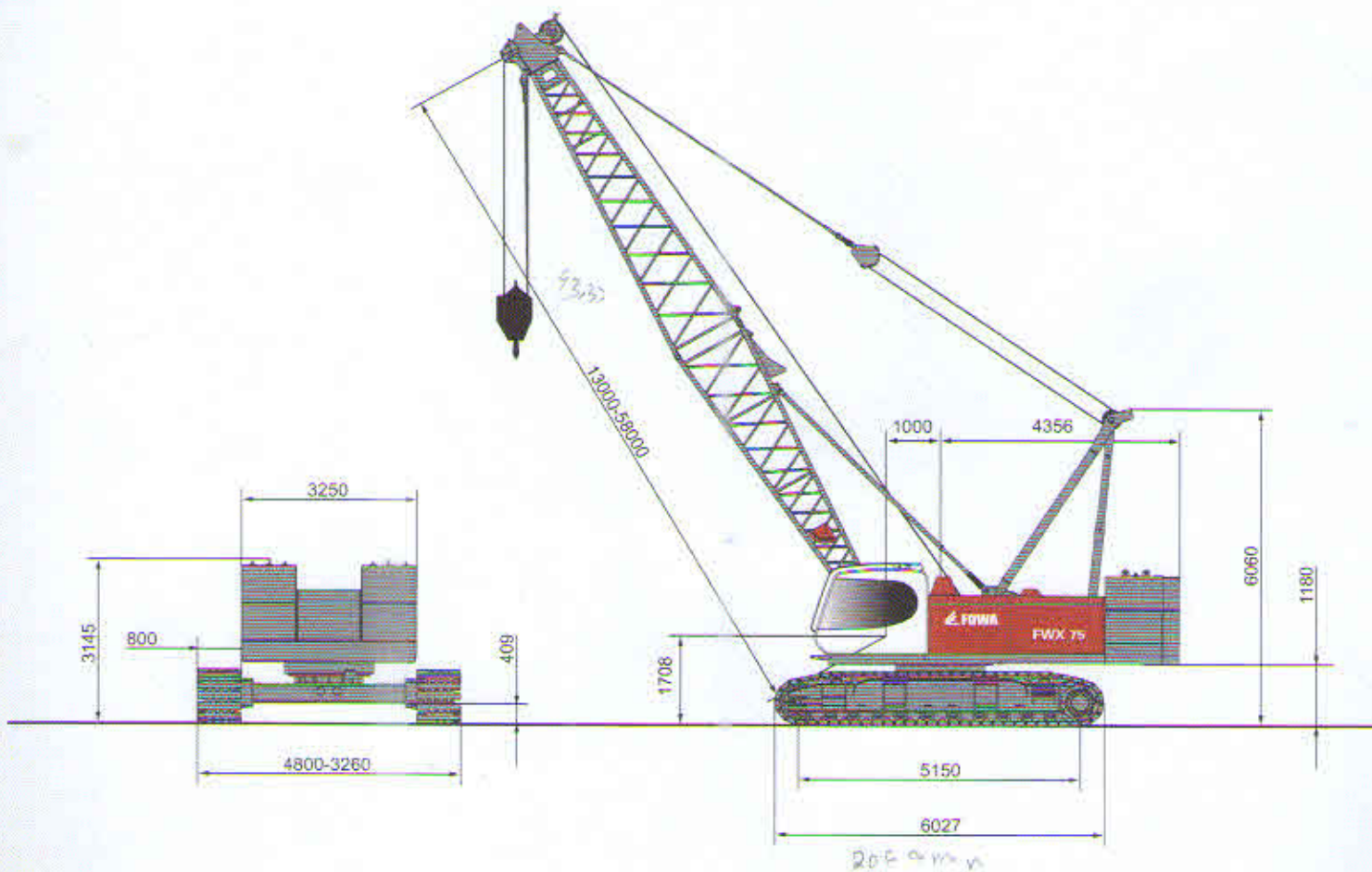


FWX 75

Overall Dimension



FWX 75

Overall Dimension

.....

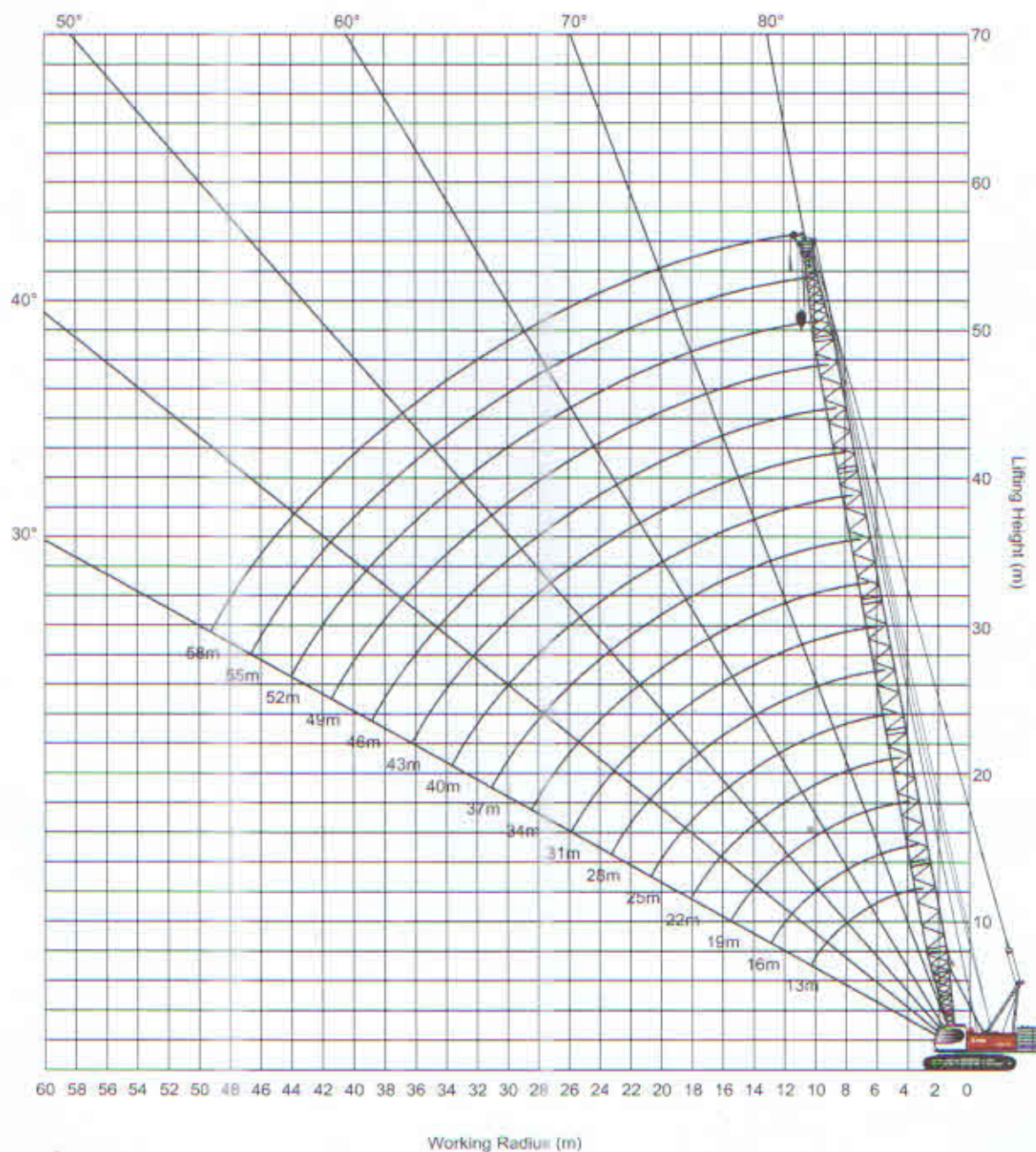


Technical Data

Items		Unit	Data
Max. rated lifting capacity		t	75@3.6m
Boom length		m	13~58
Fixed jib length		m	9~18
Boom+fixed jib max. length		m	46+18
Boom derricking angle		°	30~80
Hook blocks		t	75/25/9
Working speed	Rope speed	Main winch hoist, lower (rope dia. Φ22mm)	m/min 110
		Aux. winch hoist, lower (rope dia. Φ22mm)	m/min 110
		Boom hoist, lower (rope dia. Φ18mm)	m/min 60
	Slewing speed		r/min 3.1
	Travel speed		km/h 1.33
Reeving			11
Single line pull		t	7
Gradeability		%	30
Engine		kW/r/min	183/2000 (imported) 194/2000 (domestic)
Slewing radius		mm	4356
Transport dimension		mm	12990 × 3200 × 3250
Crane mass (with basic boom & 75t hook)		t	66
Ground bearing pressure		MPa	0.085
Counterweight		t	24

FWX 75

Working Range - Boom



FWX 75

Boom Load Chart



13m-58m



160°

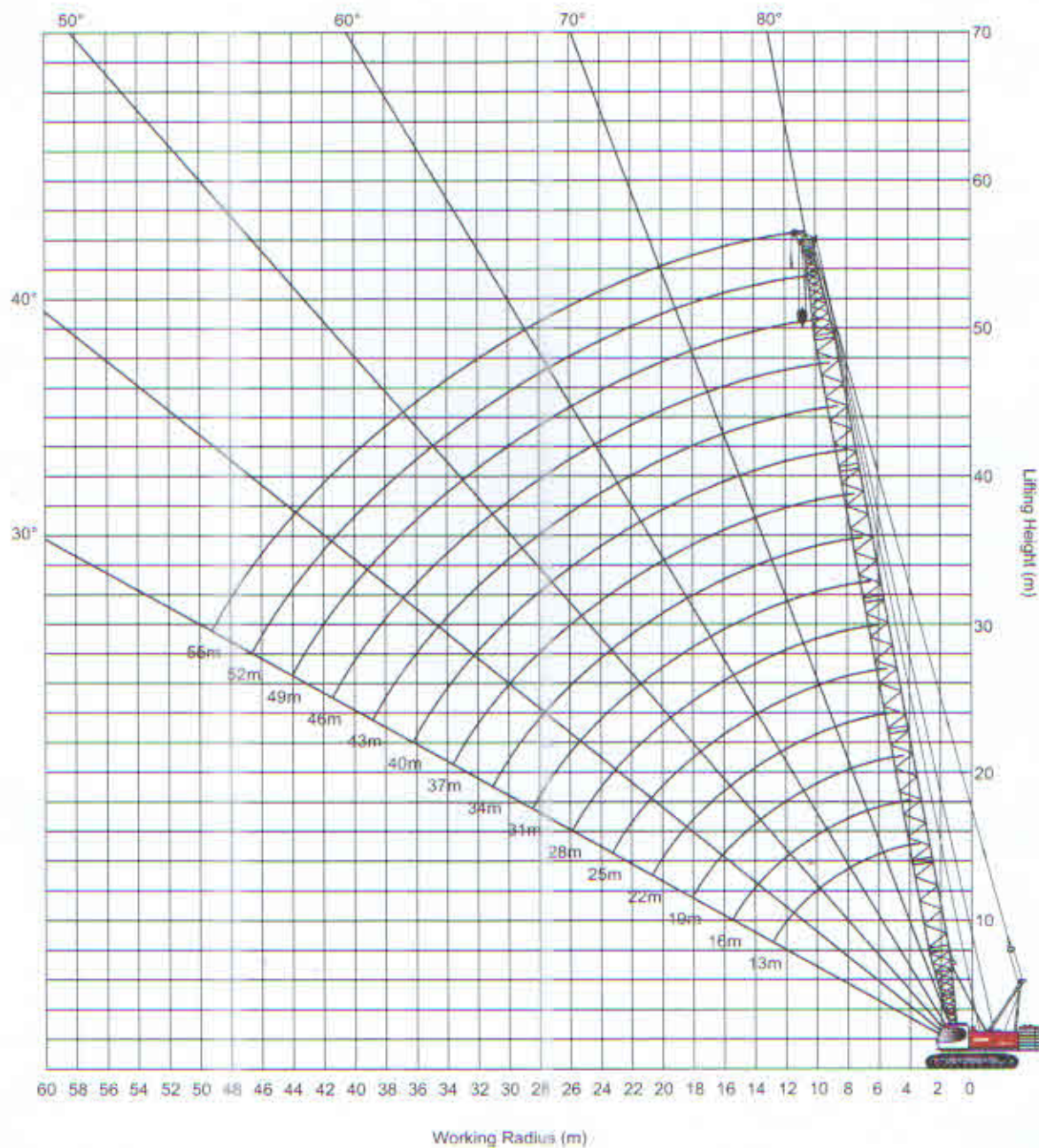


24t

Unit: t

Boom length / Working radius	13m	16m	19m	22m	25m	28m	31m	34m	37m	40m	43m	46m	49m	52m	55m	58m
3m	75/3.55															
4m	71.0	71/4.07	64.1/4.55													
5m	58.5	57.8	56.4	53.3/5.12	45.5/5.64											
6m	43.3	43.2	43.2	42.7	41.8	39.8/5.16	35.0/5.68									
7m	34.2	34.2	34.1	34.0	34.0	33.5	32.9	31.2/7.2	28.1/7.72							
8m	28.3	28.2	28.1	28.0	27.9	27.9	27.5	27.4	26.9	25.5/8.24	23.3/8.76					
9m	24.0	23.9	23.8	23.7	23.7	23.6	23.5	23.4	23.3	22.9	22.6	21.2/9.28	18.3/9.8			
10m	20.8	20.7	20.6	20.5	20.5	20.4	20.3	20.2	20.1	20.0	19.8	19.5	18.2	15.8/10.3	13.6/10.8	
11m	18.3	18.2	18.2	18.0	18.0	17.9	17.8	17.7	17.6	17.5	17.4	17.2	17.1	15.5	13.5	11.7/11.4
12m	16.4	16.2	16.2	16.1	16.0	15.9	15.8	15.7	15.6	15.5	15.4	15.2	15.1	15.0	13.2	11.4
13m	15.7/12.4	14.6	14.6	14.4	14.4	14.3	14.1	14.0	13.9	13.8	13.7	13.6	13.5	13.4	12.7	11.1
14m		14.6	13.2	13.1	13.0	12.9	12.8	12.7	12.8	12.5	12.4	12.2	12.1	12.0	11.9	10.8
15m		14.6	12.1	11.9	11.9	11.8	11.6	11.5	11.4	11.3	11.2	11.1	11.0	10.9	10.7	10.5
16m		14.6	11.1	11.0	10.9	10.8	10.7	10.6	10.5	10.3	10.2	10.1	10.0	9.9	9.8	9.6
18m			9.8/17.8	9.4	9.3	9.2	9.1	9.0	8.9	8.7	8.6	8.5	8.4	8.3	8.2	8.0
20m				8.1	8.1	8.0	7.8	7.7	7.6	7.5	7.4	7.3	7.1	7.0	6.9	6.8
22m				8.0/20.2	7.1	7.0	6.8	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.9	5.8
24m					6.7/22.8	6.2	6.0	5.9	5.8	5.7	5.6	5.5	5.3	5.2	5.1	5.0
26m						5.7/25.4	5.3	5.2	5.1	5.0	4.9	4.8	4.6	4.5	4.4	4.3
28m							4.8/28	4.7	4.6	4.4	4.3	4.2	4.1	4.0	3.8	3.7
30m								4.2	4.1	3.9	3.8	3.7	3.6	3.5	3.3	3.2
32m								4.0/30.6	3.8	3.5	3.4	3.3	3.2	3.0	2.9	2.8
34m									3.4/33.2	3.1	3.0	2.9	2.8	2.7	2.5	2.4
36m										2.8/35.8	2.7	2.6	2.4	2.3	2.2	2.1
38m											2.4	2.3	2.2	2.0	1.9	1.8
40m											2.3/38.4	2.0	1.9	1.8	1.6	1.5
42m												1.9/41	1.6	1.5	1.4	1.3
44m													1.5/43.6	1.3	1.2	1.1

Working Range - Runner



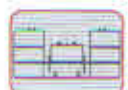
Runner Load Chart



13m-55m



360°



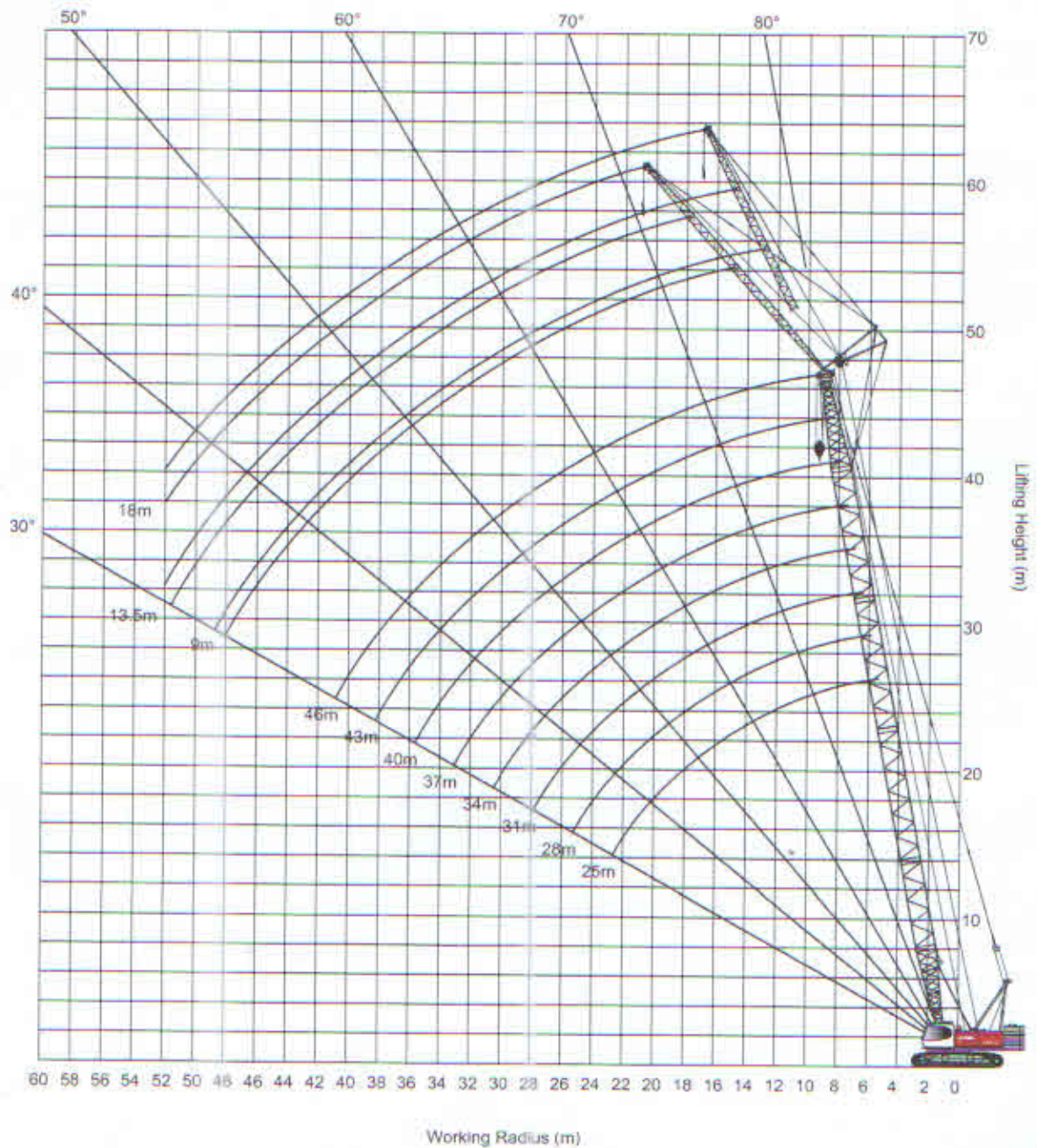
24°

Unit: t

Beam length Working radius	13m	16m	19m	22m	25m	28m	31m	34m	37m	40m	43m	46m	49m	52m	55m
4m	7/4.55														
5m	7.0	7/5.07	7/5.59												
6m	7.0	7.0	7.0	7/6.11	7/6.64										
7m	7.0	7.0	7.0	7.0	7.0	7/7.16	7/7.68								
8m	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7/8.2	7/8.72						
9m	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7/9.24	7/9.76				
10m	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7/10.3	7/10.8		
11m	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7/11.3	7/11.8
12m	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
13m	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
14m	7/13.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
15m		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
16m		7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
18m			7/16.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
20m				7/18.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
22m					7/21.5	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
24m						6.5	6.4	6.3	6.2	6.2	6.1	6.0	5.9	5.8	5.7
26m							6.5/24.1	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1
28m								5.6/26.7	5.1	5.0	5.0	4.9	4.8	4.7	4.6
30m									4.8/29.3	4.6	4.5	4.4	4.3	4.2	4.1
32m										4.2/31.9	4.1	4.0	3.9	3.8	3.7
34m											3.7	3.6	3.5	3.4	3.3
36m												3.6/34.5	3.3	3.2	3.1
38m													3.1/37.1	2.9	2.8
40m														2.7/39.7	2.6
44m															2.3
48m														2.3/42.3	2.0
52m															1.9
															1.9/44.9
															1.6/47.5
															1.5
															1.3/50.1

FWX 75

Working Range - Fixed Jib



FWX 75

Fixed Jib Load Chart



25m-46m



15°-30°

9m-18m



360°



24m

Unit: t

Boom length	25m						26m					
	9m		13.5m		18m		9m		13.5m		18m	
Jib length Jib angle	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°
10m	7.0						7.0					
11m	7.0						7.0					
12m	7.0	7.0	7.0				7.0	7.0	7.0			
13m	7.0	7.0	7.0				7.0	7.0	7.0			
14m	7.0	7.0	7.0		4.9		7.0	7.0	7.0		4.9	
15m	7.0	7.0	7.0	7.0	4.9		7.0	7.0	7.0	7.0	4.9	
16m	7.0	7.0	7.0	7.0	4.8		7.0	7.0	7.0	7.0	4.8	
18m	7.0	7.0	7.0	7.0	4.7	4.8	7.0	7.0	7.0	7.0	4.8	4.9
20m	7.0	7.0	7.0	7.0	4.6	4.6	7.0	7.0	7.0	7.0	4.7	4.7
22m	6.8	6.7	6.9	6.7	4.6	4.5	6.7	6.6	6.8	6.6	4.6	4.5
24m	6.0	6.0	6.1	6.0	4.5	4.3	5.9	5.9	6.0	5.9	4.6	4.4
26m	5.4	5.4	5.5	5.4	4.5	4.2	5.3	5.3	5.4	5.3	4.5	4.3
28m	4.9	4.9	5.0	4.9	4.4	4.1	4.7	4.8	4.9	4.8	4.5	4.1
30m	4.4	4.4	4.5	4.5	4.3	4.0	4.3	4.3	4.4	4.4	4.4	4.0
32m			4.1	4.1	4.1	3.9	3.9	3.9	4.0	4.0	4.1	4.0
34m			3.8	3.8	3.9	3.8	3.5	3.6	3.6	3.7	3.7	3.7
36m			3.5	3.5	3.5	3.5			3.3	3.4	3.4	3.4
38m					3.3	3.2			3.1	3.1	3.2	3.1
40m					3.0	3.0					2.9	2.9
42m											2.7	2.7

FWX 75

Fixed Jib Load Chart



25m-46m



15° 30°

9m-18m



360°



24m

Unit: t

Boom length	31m						34m					
Jib length	9m		13.5m		18m		9m		13.5m		18m	
Jib angle	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°
11m	7.0						7.0					
12m	7.0						7.0					
13m	7.0	7.0	7.0				7.0	7.0	7.0			
14m	7.0	7.0	7.0				7.0	7.0	7.0			
15m	7.0	7.0	7.0		4.9		7.0	7.0	7.0		4.8	
16m	7.0	7.0	7.0	7.0	4.9		7.0	7.0	7.0	7.0	4.8	
18m	7.0	7.0	7.0	7.0	4.8		7.0	7.0	7.0	7.0	4.8	
20m	7.0	7.0	7.0	7.0	4.7	4.8	7.0	7.0	7.0	7.0	4.8	4.8
22m	6.5	6.4	6.6	6.5	4.7	4.6	6.4	6.3	6.5	6.4	4.7	4.7
24m	5.8	5.7	5.9	5.8	4.6	4.5	5.7	5.6	5.8	5.7	4.6	4.5
26m	5.1	5.1	5.3	5.2	4.5	4.3	5.0	5.0	5.1	5.1	4.6	4.4
28m	4.6	4.6	4.7	4.7	4.5	4.2	4.5	4.5	4.6	4.6	4.5	4.3
30m	4.1	4.2	4.3	4.3	4.3	4.1	4.0	4.1	4.1	4.2	4.2	4.2
32m	3.7	3.8	3.9	3.9	3.9	3.9	3.6	3.7	3.7	3.8	3.8	3.9
34m	3.4	3.5	3.5	3.6	3.6	3.6	3.3	3.4	3.4	3.5	3.5	3.5
36m	3.1	3.1	3.2	3.3	3.3	3.3	3.0	3.0	3.1	3.2	3.2	3.2
38m			2.9	3.0	3.0	3.0	2.7	2.7	2.8	2.9	2.9	3.0
40m			2.7	2.7	2.8	2.8			2.5	2.7	2.6	2.7
42m					2.5	2.6			2.3	2.4	2.4	2.5
44m					2.3	2.4				2.1	2.2	2.3
46m											1.9	1.9

FWX 75

Fixed Jib Load Chart



25m-45m



15°-30°
9m-18m



360°



24t

Unit: t

Boom length	37m						40m					
Jib length	9m		13.5m		18m		9m		13.5m		18m	
Jib angle	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°	15°	30°
12m	7.0											
13m	7.0						7.0					
14m	7.0	7.0	7.0				7.0	7.0	7.0			
15m	7.0	7.0	7.0				7.0	7.0	7.0			
16m	7.0	7.0	7.0		4.9		7.0	7.0	7.0		4.9	
18m	7.0	7.0	7.0	7.0	4.8		7.0	7.0	7.0	7.0	4.9	
20m	7.0	7.0	7.0	7.0	4.8	4.8	6.9	6.9	7.0	7.0	4.8	4.9
22m	6.3	6.2	6.4	6.3	4.7	4.7	6.1	6.1	6.3	6.2	4.7	4.8
24m	5.5	5.6	5.7	5.6	4.7	4.6	5.4	5.4	5.5	5.5	4.7	4.6
26m	4.9	4.9	5.0	5.0	4.6	4.5	4.8	4.8	4.9	4.9	4.6	4.5
28m	4.4	4.4	4.5	4.5	4.5	4.3	4.2	4.3	4.4	4.4	4.5	4.4
30m	3.9	4.0	4.0	4.1	4.1	4.1	3.8	3.9	3.9	4.0	4.0	4.0
32m	3.5	3.6	3.6	3.7	3.7	3.8	3.4	3.5	3.5	3.6	3.6	3.7
34m	3.2	3.3	3.3	3.4	3.4	3.4	3.0	3.2	3.1	3.3	3.2	3.3
36m	2.8	2.9	3.0	3.1	3.1	3.1	2.7	2.8	2.8	3.0	2.9	3.0
38m	2.6	2.6	2.7	2.8	2.8	2.9	2.4	2.5	2.5	2.7	2.7	2.8
40m	2.3	2.4	2.4	2.6	2.5	2.6	2.2	2.3	2.3	2.5	2.4	2.5
42m	2.1	2.1	2.2	2.3	2.3	2.4	2.0	2.0	2.1	2.2	2.2	2.3
44m			2.0	2.1	2.1	2.2	1.8	1.8	1.9	2.0	2.0	2.1
46m					1.7	1.8			1.5	1.6	1.6	1.7
52m											1.3	1.4

FWX 75

Fixed Jib Load Chart



25m-46m



15°-30°
9m-18m



360°



24°

Unit: t										
Boom length	43m						46m			
	9m		13.5m		18m		9m		13.5m	
Jib length	15°		15°		15°		15°		15°	
Jib angle	30°		30°		30°		30°		30°	
13m	7.0									
14m	7.0						7.0			
15m	7.0	7.0	7.0				7.0		7.0	
16m	7.0	7.0	7.0				7.0	7.0	7.0	
18m	7.0	7.0	7.0	7.0	4.9		7.0	7.0	7.0	4.9
20m	6.8	6.8	7.0	6.9	4.8		6.7	6.7	6.9	6.8
22m	6.0	6.0	6.2	6.1	4.8	4.8	5.9	5.8	6.1	6.0
24m	5.3	5.3	5.4	5.4	4.7	4.7	5.2	5.2	5.3	5.3
26m	4.7	4.7	4.8	4.8	4.7	4.6	4.6	4.6	4.7	4.7
28m	4.1	4.2	4.3	4.3	4.4	4.4	4.0	4.1	4.1	4.2
30m	3.7	3.8	3.8	3.9	3.9	3.9	3.6	3.7	3.7	3.8
32m	3.3	3.4	3.4	3.5	3.5	3.6	3.2	3.3	3.3	3.4
34m	2.9	3.1	3.0	3.2	3.1	3.2	2.8	3.0	2.9	3.1
36m	2.6	2.7	2.7	2.9	2.8	2.9	2.5	2.6	2.6	2.8
38m	2.3	2.4	2.4	2.6	2.5	2.7	2.2	2.3	2.3	2.5
40m	2.1	2.2	2.2	2.4	2.3	2.4	2.0	2.1	2.1	2.3
42m	1.8	1.9	2.0	2.1	2.1	2.2	1.7	1.8	1.8	2.0
44m	1.6	1.7	1.8	1.9	1.9	2.0	1.5	1.6	1.6	1.8
46m			1.4	1.5	1.5	1.7	1.2	1.2	1.3	1.4
52m				1.1	1.2	1.3			1.0	1.0

Safety Devices

Hook and boom over-hoist prevention device ▶

Hook and boom over-hoist prevention device are used for preventing the crane from the accidents caused by over-hoist.

Hook over-hoist device ▶

When the hook lifts up to certain height and touches the plumb, the spring loaded limit switch disengage the hoist function. The control relay initiates the buzzer alarm and the indicator will light up. So the rise of the hook will be stopped automatically.

Boom over-hoist device ▶

The boom upper limit angle is controlled by the moment limiter system and boom upper limit switch. When the boom $\geq$ upper limit angle 80° , the moment limiter will continuously alarm and output the signal, making the boom stop rising. At the same time, the switch of boom upper limit and boom upper limit switch loop will be cut-off, and boom stops rising.

Moment limiter ▶

The moment limiter system monitors the safe operation of the crane. The right parameters if the intended working conditions must be set.
 When 0% of rated lifting load $\leq$ actual load $< 90\%$ of rated lifting load, the screen shows load by a proportional bar in green color.
 When 90% of rated lifting load $\leq$ actual load $< 100\%$ of rated lifting load, the screen shows yellow color and an intermittent warning alarm sounds.
 When 100% of rated lifting load $\leq$ actual load $< 105\%$ of rated lifting load, the screen shows red color and a continuous warning alarm sounds.
 When the actual load $\geq 105\%$ of rated load, the screen shows red color and a continuous warning alarm sounds, at the same time, the safe load indicator put out control signal to stop the hoist action of main and auxiliary hooks and boom.

Brakes and locking devices ▶

This crane is equipped with main, aux. drum brakes, derricking drum brake, swing brake and traveling brake. This crane is equipped with derricking drum pawl locking device and swing lock device.

Sensor ▶

The force sensor is used to measure the force.
 The angle sensor is installed on the boom foot to measure the boom angle.
 The angle scale is installed on the boom foot to indicate the current angle of boom.

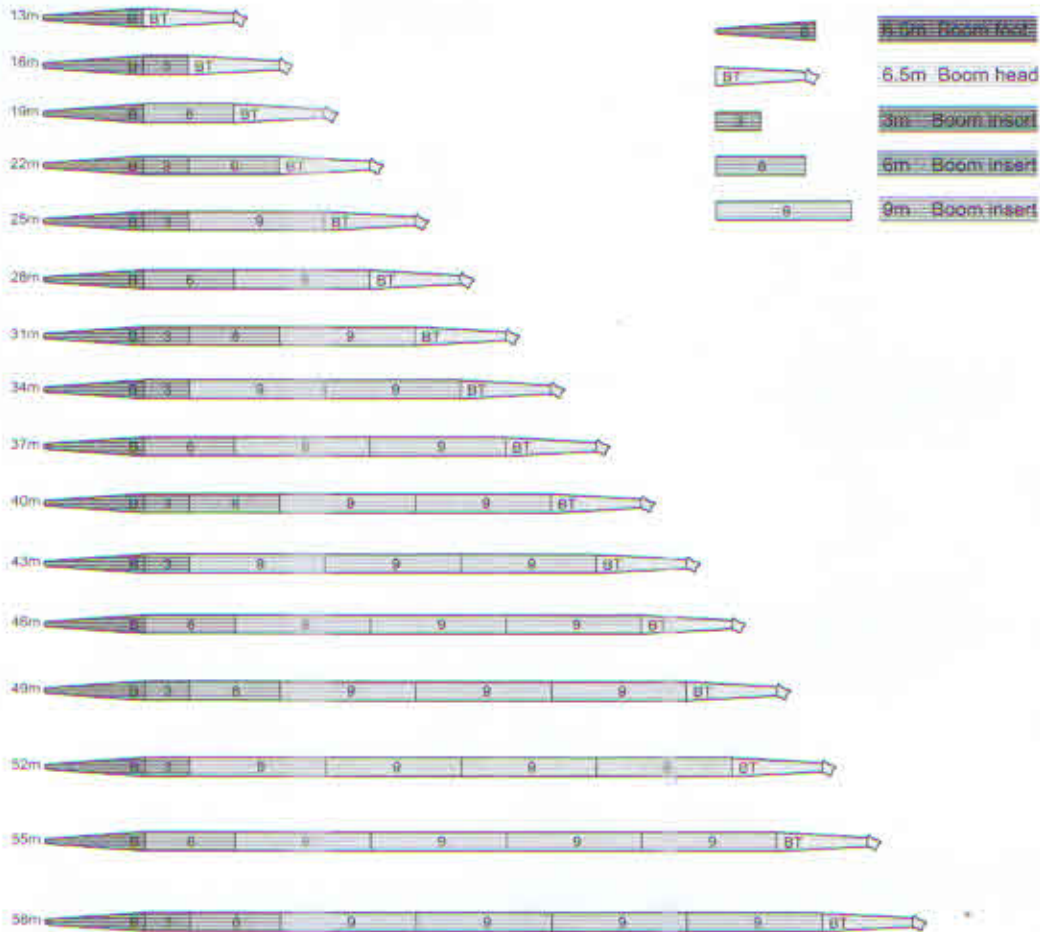
Slewing alarm ▶

The buzzer will sound continuously when swing.

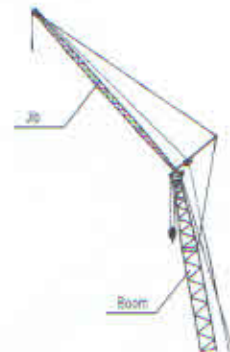
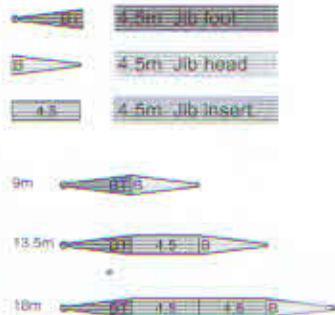
FWX 75

Boom Combinations

Boom combinations ▶

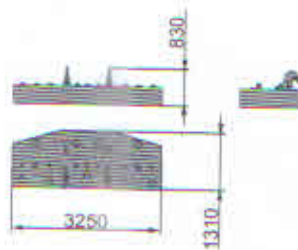


Fixed jib combinations ▶



FWX 75

Transportation Dimensions and Weights



Base machine x1 ▶

Length	12.99m
Width	3.20m
Height	3.25m
Weight	41000kg

Track frame x2 ▶

Length	6.03m
Width	0.80m
Height	1.03m
Weight	11490kg

Track tray x1 ▶

Length	3.25m
Width	1.31m
Height	0.83m
Weight	6864kg

Counterweight 1 x2 ▶

Length	1.31m
Width	1.04m
Height	0.84m
Weight	3457kg

Counterweight 2 x2 ▶

Length	1.31m
Width	1.04m
Height	0.84m
Weight	3406kg

Counterweight 3 x1 ▶

Length	1.16m
Width	1.04m
Height	0.96m
Weight	3254kg

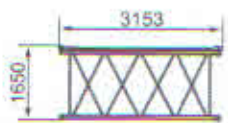
FWX 75

Transportation Dimensions and Weights



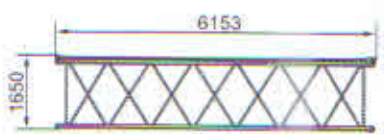
Boom foot x1

Length	6.65m
Width	1.40m
Height	1.76m
Weight	1115kg



Boom 3m insert x1

Length	3.15m
Width	1.51m
Height	1.65m
Weight	404kg



Boom 6m insert x1

Length	6.15m
Width	1.51m
Height	1.65m
Weight	649kg

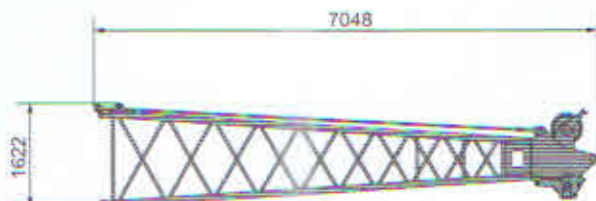


Boom 9m insert x4

Length	9.15m
Width	1.51m
Height	1.65m
Weight	894kg

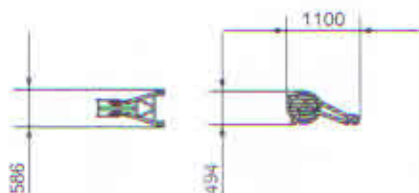
FWX 75

Transportation Dimensions and Weights



Boom head ×1 ▶

Length	7.05m
Width	1.51m
Height	1.62m
Weight	1169kg



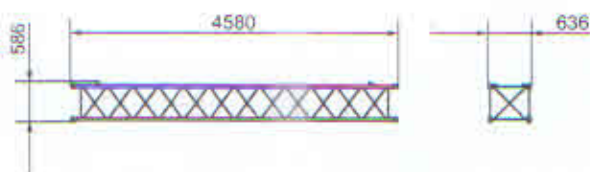
Runner ×1 ▶

Length	1.10m
Width	0.59m
Height	0.49m
Weight	326kg



Fixed jib foot ×1 ▶

Length	4.76m
Width	0.62m
Height	0.56m
Weight	195kg



Fixed jib 4.5m insert ×2 ▶

Length	4.58m
Width	0.64m
Height	0.59m
Weight	145kg

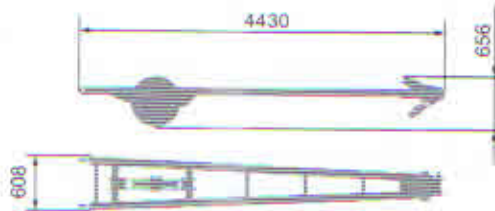


Fixed jib head ×1 ▶

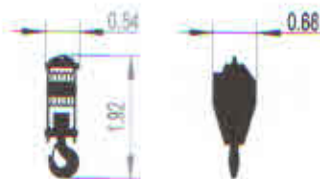
Length	4.85m
Width	0.64m
Height	0.76m
Weight	270kg

FWX 75

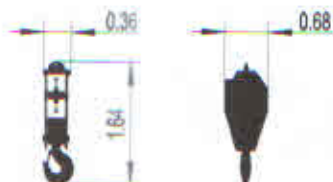
Transportation Dimensions and Weights



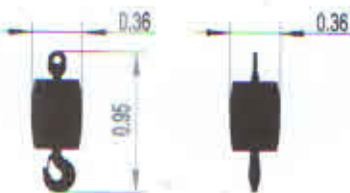
Fixed jib strut	x1
Length	4.43m
Width	0.61m
Height	0.66m
Weight	327kg



75t Hook	x1
Length	1.92m
Width	0.68m
Height	0.54m
Weight	1060kg



25t Hook	x1
Length	1.64m
Width	0.68m
Height	0.36m
Weight	435kg



9t Hook	x1
Length	0.95m
Width	0.36m
Height	0.36m
Weight	250kg