



MAC25-5

PICK AND CARRY CRANE



MAXIMUM CAPACITY
25t



MAXIMUM BOOM LENGTH
18.4m



MAXIMUM HOOK HEIGHT
18m

OVERVIEW

The MAC25-5 is a mobile articulated crane with a maximum lifting capacity of 25 tonne (27 USt). The MAC25-5 offers maximum safety, excellent roadability, intuitive operation and unmatched versatility. Over the years its design has been tried, tested and proven in a range of difficult lifting applications and is still a customer favourite today.

A superlift (SL) upgrade is also available on the MAC25-5 as an additional option. The SL kit works in tandem with the existing MAC25 counterweight, adding a low slung additional counterweight piece to the rear of the machine, increasing the rated capacity of the machine.



⚙️ KEY FEATURES AND BENEFITS:

- ▶ 25 tonne at 1.4m radius
- ▶ 14.8 tonne at 3.0m radius
- ▶ 1.8 tonne at 15.7m radius
- ▶ 18m hook height
- ▶ Single line pull 4.2 tonne
- ▶ Increased rated capacity of up to 30% with SL option
- ▶ Dynamic LMI (patent protected)*
- ▶ Safety Radar (patent pending)
- ▶ Unique boom head design allows for maximum clearance
- ▶ Easy access to all key maintenance points

*Refer to
www.terex.com/en/company/intellectual-property/franna-patents
for current patent details

TECHNICAL DESCRIPTION

01. Boom

Maximum boom length	18.4m
Maximum hook height	18m
Boom elevation angle range	-10° / 65°
Maximum hook height with jib	20.5m
Articulation	40° R / 40° L
Machinery hook	15 tonne

02. Winch

Maximum line pull	4.2 tonne
Two speed winch	38m/min / 76m/min
Hook block (6 part)	25 tonne maximum rated capacity

03. Engine & Transmission

Standard engine	Mercedes OM936
Engine power	210kW
Engine torque	1200Nm
Fuel Type	Diesel
Fuel Tank Capacity	440 litres
Transmission	Allison 6 speed
Transfer case	ZF 2:1 Ratio
DEF Tank Capacity	38 litres
Emissions compliance	Tier 4f/Stage 5

04. Hydraulic System

Axial piston pump	62cc/rev
Maximum pump flow rate	130 litres/min
Maximum working pressure	250 bar
Hydraulic tank capacity	380 litres

05. Chassis

Front Axle	11,900 kg
Rear Axle	12,000kg
Axle total	23,900 kg
Turning radius	8.3m
Tyre Size	14.00 x 2.0

06. Brakes & Suspension

Brake System	Air operated drum brakes with ABS
Suspension	Elliptic springs with hydraulic spring lockouts on front axle

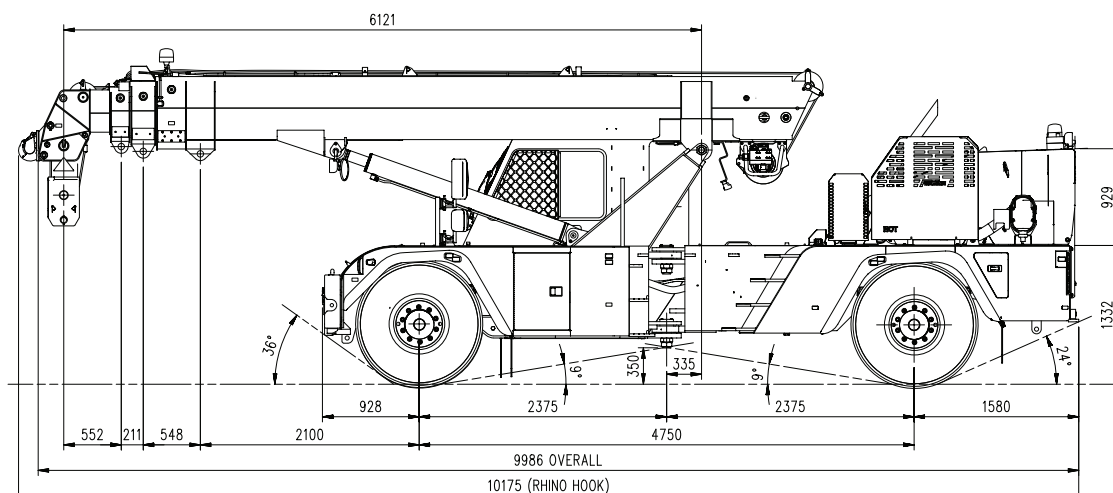
07. Vehicle Performance

Maximum rated travel speed	80 km/h
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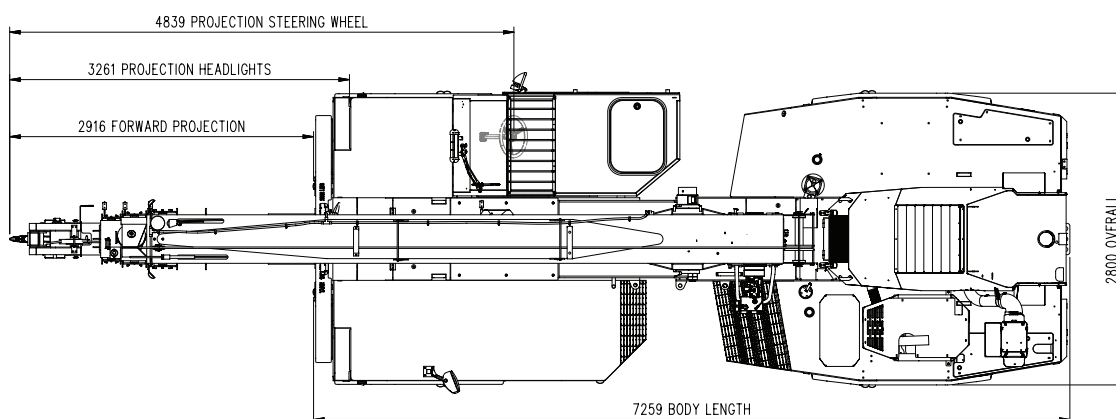


DIMENSIONS / AREA OF OPERATION

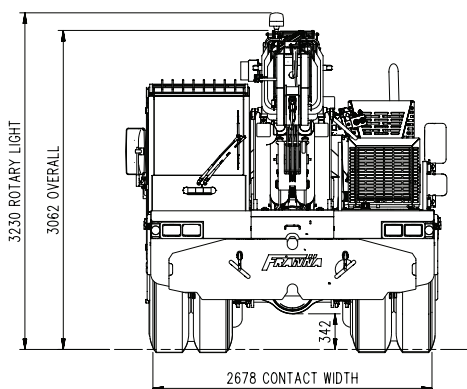
Side view



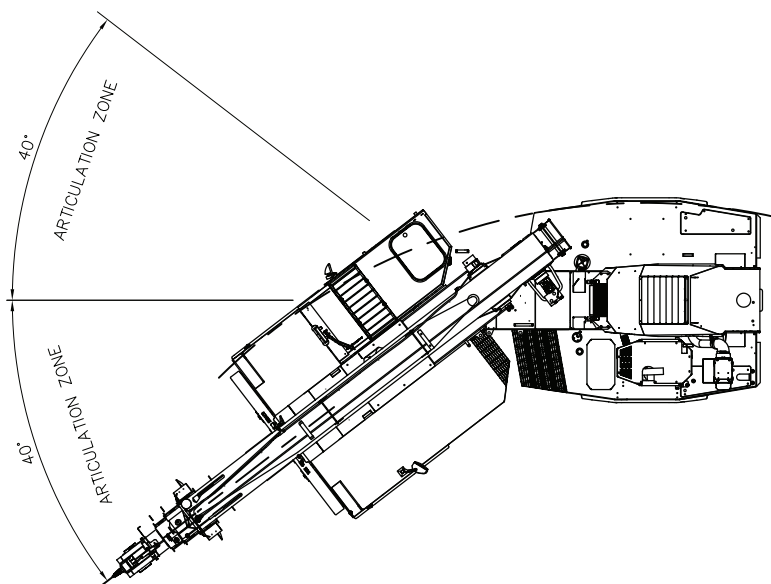
Aerial view



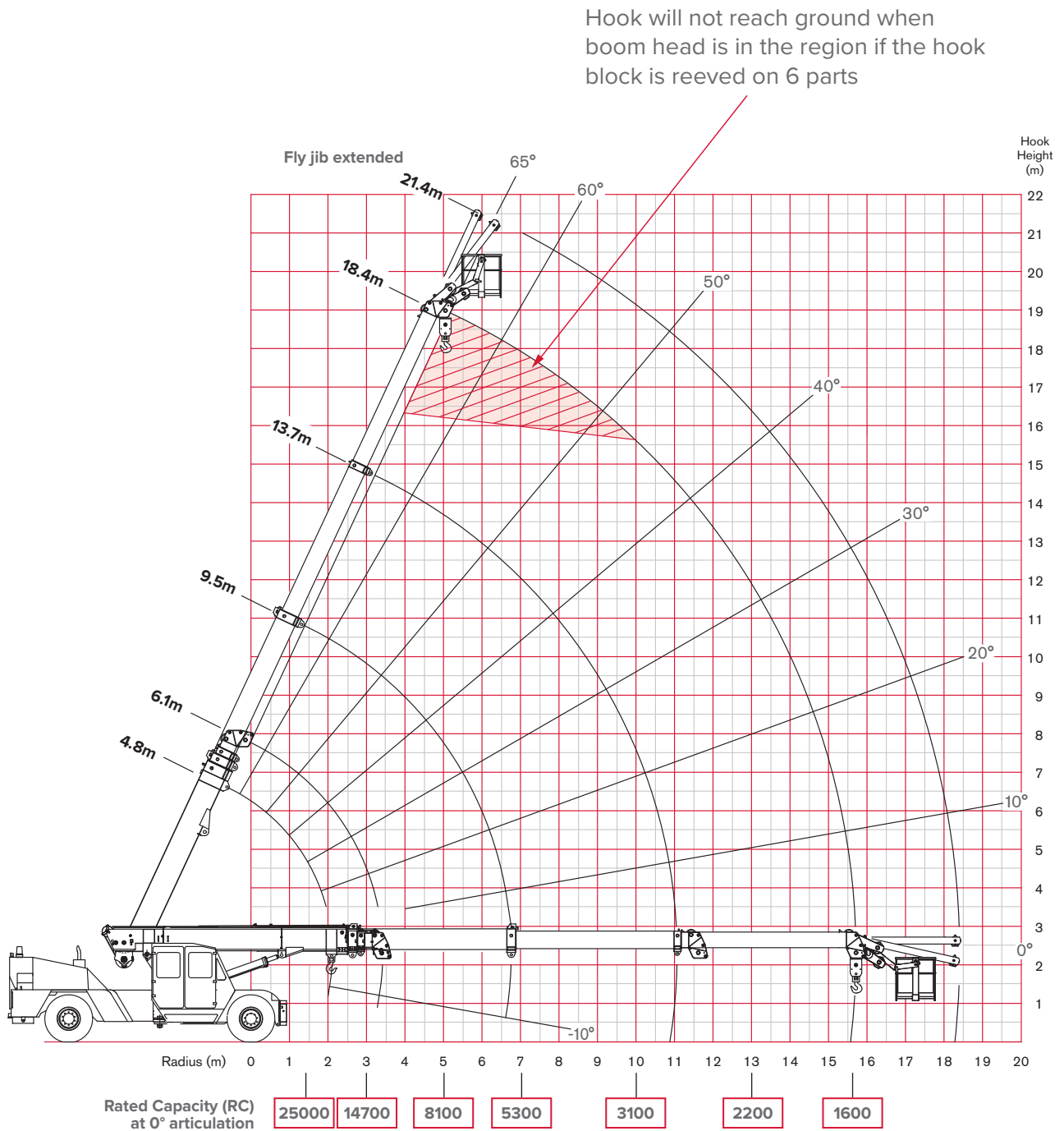
Front View



Area of operation



RADIUS LOAD CHART



NOTE: Rated Capacity values shown are for the Pick and Carry Chart.

LOAD CHART

RATED CAPACITY CHART PICK AND CARRY - FALL BLOCK

Duty: **201**

COUNTERWEIGHT: STANDARD
POSITION: REAR OF CRANE
STANDARD: ISO 4305

Rad	BOOM PIVOT TO HEAD SHEAVES - 3rd BOOM RETRACTED														3rd BOOM EXTENDING				Rad
	6.12	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.42		
1.4	25000	25000	25000	25000	24500	23900												1.4	
	24800	24800	24800	24700	24500	23900													
	49	52	56	58	61	63													
2.0	22900	22800	22800	22800	22700	22700	22300	21900										2.0	
	20500	20400	20400	20300	20300	19700	18100	16700											
	41	45	49	52	55	58	60	62											
2.5	18000	18000	17900	17900	17900	17800	17800	17800	17800									2.5	
	17200	17200	17200	17100	17100	17100	17000	17000	17000										
	16000	16000	16000	16000	15900	15900	15700	14600	13600										
3.0	33	38	43	47	51	54	56	58	60									3.0	
	14700	14700	14700	14600	14600	14600	14600	14500	14500										
	14100	14000	14000	14000	14000	14000	13900	13900	13900	13900	13000								
3.5	13100	13100	13100	13000	13000	13000	13000	12900	12100	10700	9600							3.5	
	22	30	36	41	46	49	52	54	57	60	64								
	12400	12300	12300	12300	12300	12300	12300	12300	12200	12200	12200								
4.0	11800	11800	11800	11800	11800	11700	11700	11700	11700	11700	11600	10700						4.0	
	11000	11000	11000	10900	10900	10900	10900	10900	10900	10900	9700	8700	7900						
	(3.5)	19	28	35	40	44	47	50	53	57	61	63							
5.0	11000	10600	10600	10600	10500	10500	10500	10500	10500	10500	10400	10400						5.0	
	10500	10100	10100	10100	10100	10100	10000	10000	10000	10000	10000	9900	9100						
	9700	9400	9400	9400	9300	9300	9300	9300	9300	8900	8000	7200	6600						
6.0	(3.9)	18	27	34	39	43	46	49	54	58	61	63						6.0	
	9500	8300	8100	8100	8100	8100	8100	8100	8100	8000	8000	8000	8100	8200					
	9100	7900	7700	7700	7700	7700	7700	7700	7700	7600	7600	7600	7600	7000					
7.0	8400	7300	7100	7100	7100	7100	7100	7100	7100	6800	6200	5600	5300	5100				7.0	
	(4.4)	(4.9)	17	26	32	37	40	46	51	55	58	61	63						
	7400	6600	6400	6400	6400	6400	6400	6400	6400	6400	6400	6500	6500	6600					
8.0	7000	6300	6100	6100	6100	6100	6100	6100	6100	6100	6100	6100	6100	6200	6100			8.0	
	6500	5800	5600	5600	5600	5600	5600	5600	5600	5600	5400	4900	4600	4400	4300				
	(5.4)	(5.9)	16	24	30	38	44	49	53	56	59	61							
9.0	5900	5400	5300	5300	5300	5300	5200	5200	5300	5400	5500	5600						9.0	
	5600	5100	5000	5000	5000	5000	5000	5000	5000	5000	5100	5200	5200						
	5200	4700	4600	4600	4600	4600	4600	4600	4400	4100	3900	3800	3600						
10.0	(6.4)	(6.9)	15	29	37	42	47	51	54	57	60							10.0	
	4900	4400	4400	4400	4400	4400	4400	4400	4400	4500	4600	4700							
	4600	4100	4100	4100	4100	4100	4200	4300	4400	4400									
11.0	4200	3800	3800	3800	3800	3800	3700	3500	3400	3200								11.0	
	(7.4)	14	27	35	41	45	49	52	56										
	4100	3700	3700	3700	3800	3800	3900	4000											
12.0	3900	3500	3500	3500	3500	3500	3600	3700	3800									12.0	
	3500	3200	3200	3200	3200	3200	3200	3200	3100	2900									
	(8.4)	14	26	34	39	44	47	52											
13.0	3500	3100	3100	3200	3300	3400	3500											13.0	
	3300	2900	3000	3000	3100	3200	3300												
	2900	2700	2700	2800	2800	2900	3000												
14.0	(9.4)	13	25	33	38	42	47											14.0	
	3000	2700	2800	2800	2900	3000													
	2800	2500	2600	2700	2700	2800													
15.0	2500	2300	2300	2400	2500	2500												15.0	
	(10.4)	13	24	32	37	43													
	2500	2400	2500	2600	2600														
16.0	2400	2200	2300	2400	2500													16.0	
	2100	2000	2100	2100	2200														
	(11.4)	12	24	31	38														
17.0	2200	2200	2200	2300														17.0	
	2100	2000	2100	2200															
	1900	1800	1900	2000															
18.0	(12.4)	12	23	32														18.0	
	2000	2000	2100																
	1700	1600	1700																
19.0	(13.4)	12	25															19.0	
	1900	1800																	
	1500	1500																	
20.0	(14.4)	17																20.0	
	1600																		
	1300																		
21.0	(15.8)																	21.0	
	12.00	13.00	14.00	15.00	16.00	17.00	18.42												

WINCH RATED CAPACITY

SINGLE PART

4200

TWO PARTS

8400

FOUR PARTS

16800

SIX PARTS

25000

UNITS:

- ANGLES IN DEGREES

- LENGTHS IN METRES

- LOAD IN KILOGRAMS

KEY:

8100

RC @ ARTIC: 0°

PITCH: -2.3

ROLL: -0.6

7700

RC @ ARTIC: 25°

PITCH: -2.3

ROLL: -0.6

7100

RC @ ARTIC: 40°

PITCH: -2.3

ROLL: -0.6

17

BOOM ANGLE

(5.9)

RADIUS AT ZERO BOOM ANGLE

Note:

Pitch & Roll angles indicated reference the cranes chassis angles. for other chassis angles refer to Franna Lift Planner.

WINCH RATED CAPACITY

SINGLE PART	4200
TWO PARTS	8400
FOUR PARTS	16800
SIX PARTS	25000

UNITS:

- ANGLES IN DEGREES
- LENGTHS IN METRES
- LOAD IN KILOGRAMS

KEY:

8100	RC @ ARTIC: 0°	PITCH: -2.3	ROLL: -0.6
7700	RC @ ARTIC: 25°	PITCH: -2.3	ROLL: -0.6
7100	RC @ ARTIC: 40°	PITCH: -2.3	ROLL: -0.6
17	BOOM ANGLE		
(5.9)	RADIUS AT ZERO BOOM ANGLE		

Note: Pitch & Roll angles indicated reference the cranes chassis angles, for other chassis angles refer to Franna Lift Planner.

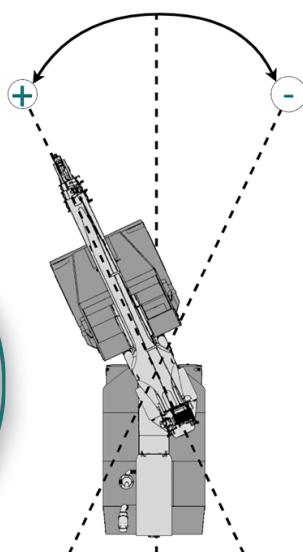
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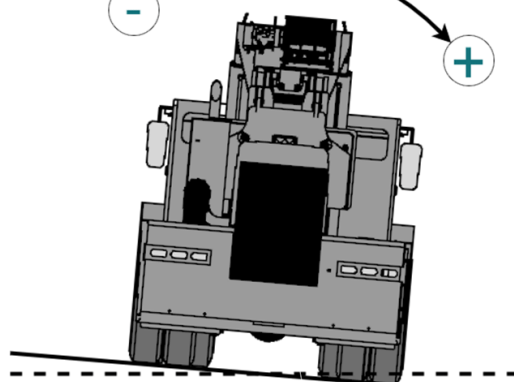
Articulation Angle



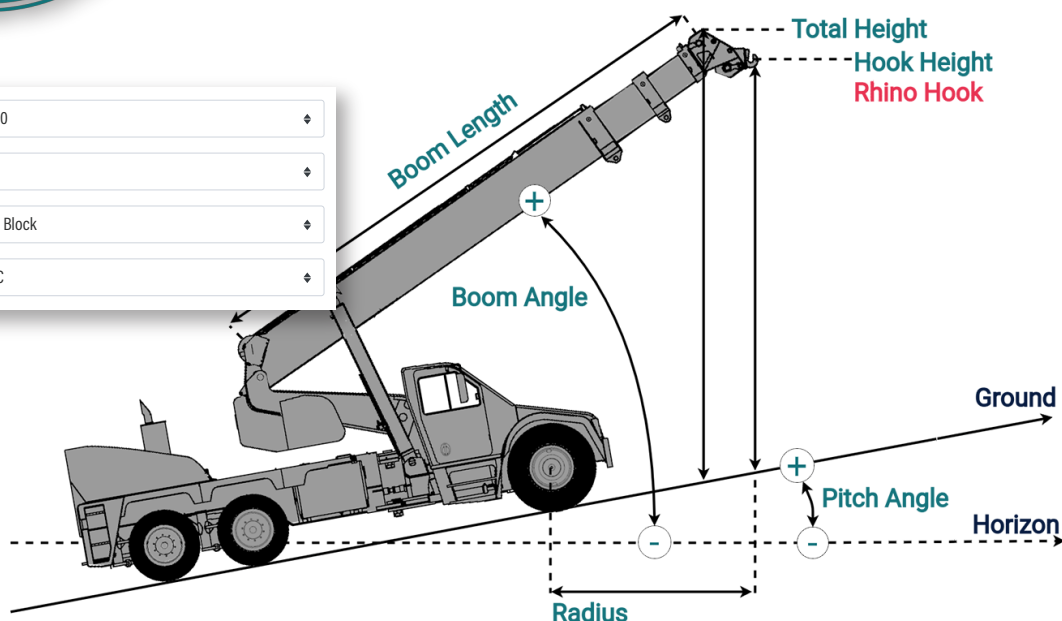
Roll Angle



Rear View



1	Model	AT40
2	LMI	IC-1
3	Configuration	Fall Block
4	Type	PNC



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