

TECHNICAL  
DATASHEET

**FRANNA**<sup>®</sup>  
A TEREX BRAND

# AT15-3

PICK AND CARRY  
CRANE



MAXIMUM CAPACITY  
**15t**



MAXIMUM BOOM LENGTH  
**17.9m**



MAXIMUM HOOK HEIGHT  
**17m**

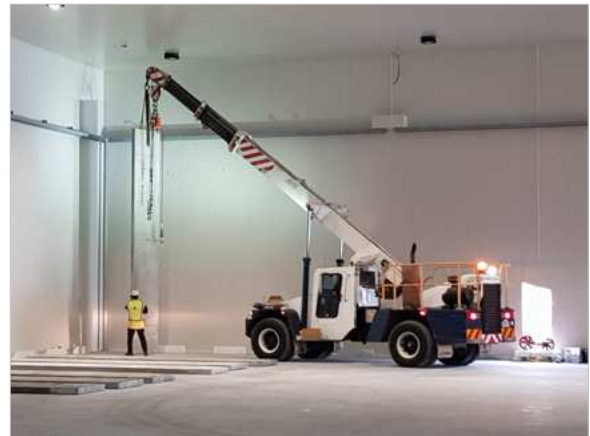
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# OVERVIEW

The AT 15-3 is our most compact pick and carry crane, with a maximum lifting capacity of 15 tonne (17 USt). This crane combines safety and comfort with exceptional steering flexibility, providing the operator with the ability to lift and manoeuvre in tight spaces. Like all Franna cranes, the AT 15-3 is as comfortable on the road as it is on the job site.

## ⚙️ KEY FEATURES AND BENEFITS:

- ▶ 15 tonne at 1.6m radius
- ▶ 1.05 tonne at 15.8m radius
- ▶ 17m maximum hook height
- ▶ 10.5 tonne capacity on 3 part hook block
- ▶ Single line pull 3.5 tonne
- ▶ Wide stance boom lift cylinders enhance operator's vision.
- ▶ Easy access to all key maintenance points
- ▶ Modern cabin design ensures maximum comfort for the operator



# TECHNICAL DESCRIPTION

## 01. Boom

Maximum boom length	17.9m
Maximum hook height	17m
Boom elevation angle range	-5° / 60°
Maximum hook height with jib	19.5m
Articulation	40° R / 40° L
Machinery hook (rhino)	8 tonne

## 02. Winch

Maximum line pull	3.5 tonne
Two speed winch	35m/min / 70m/min
Hook block (3 part)	10.5 tonne maximum rated capacity

## 03. Engine & Transmission

Standard engine	Mercedes OM 906
Engine power	170kW
Engine torque	810 Nm
Fuel Type	Diesel
Fuel Capacity	330 litre
Transmission	Allison 5 speed
Transfer case	ZF 2:1 Ratio

## 04. Hydraulic System

Axial piston pump	62cc/rev
Maximum pump flow rate	130 litre/min
Maximum working pressure	210 bar
Hydraulic tank capacity	120 litre

## 05. Chassis

Front Axle	6,000 kg
Rear Axle	10,000kg
Axle total	16,000 kg
Turning circle	6.6m

## 06. Brakes & Suspension

Brake System	Air operated drum brakes
Suspension	Two semi elliptic springs on front and rear axle plus torsion bar on front axle for stability

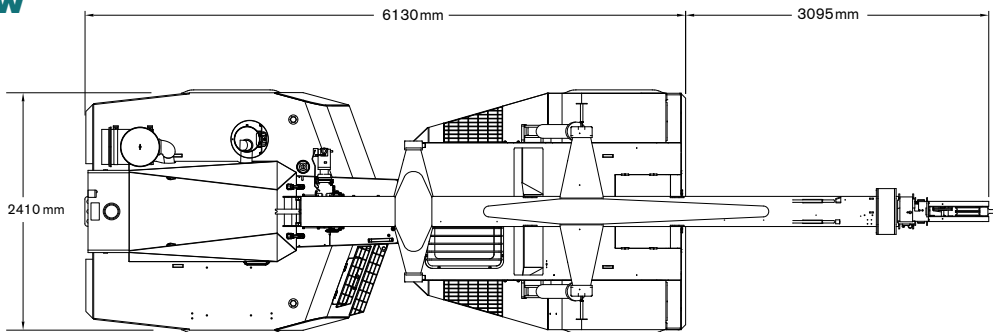
## 07. Vehicle Performance

Maximum rated travel speed	80 km/h
Gradeability	50%

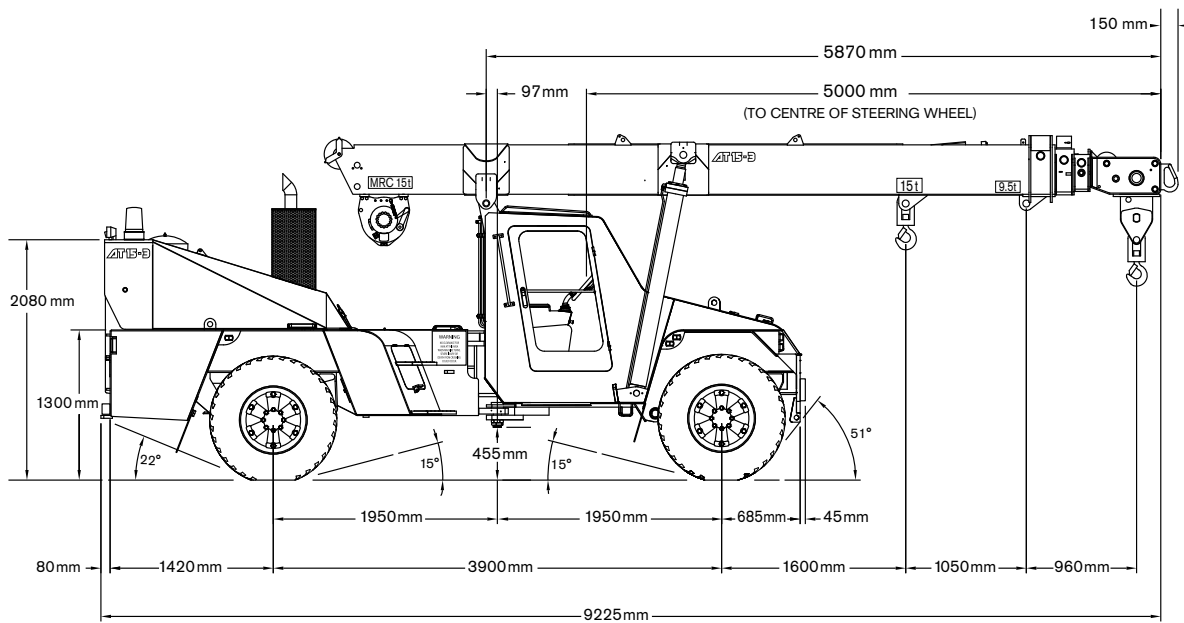


# DIMENSIONS / AREA OF OPERATION

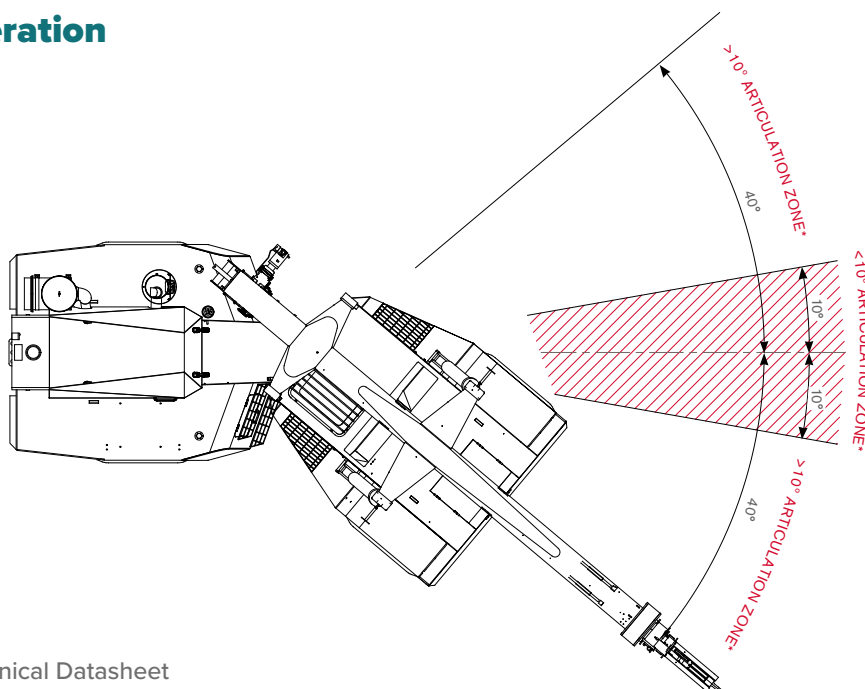
## Plan view



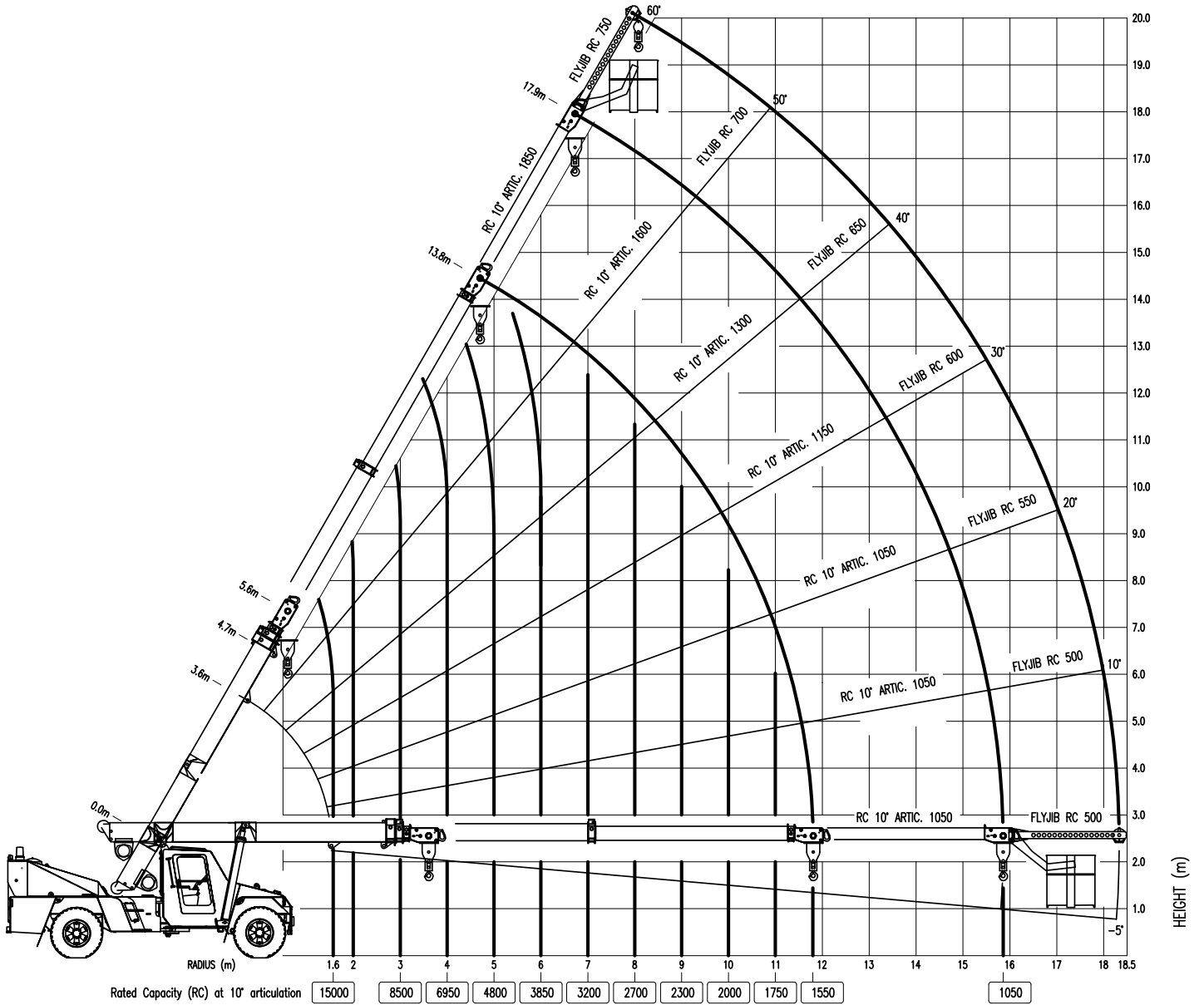
## Right hand view



## Area of operation



# RADIUS LOAD CHART



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

# LOAD CHART

## RATED CAPACITY CHART - FALL BLOCK

RAD	BOOM LENGTH (m)																	
	5.66	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	13.86
m	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
1.6	10500	10500	10500	10500	10500													
	10500	10500	10500	10500	10500													
2.0	48	50	54	57	59													
	10500	10500	10500	10500	10500	10500	10500											
2.5	42	46	50	53	56	58	60											
	10400	10350	10350	10350	10350	10350	10350	9950	9650									
3.0	9250	9250	9250	9250	9250	9250	9250	9200	9200									
	34	39	44	48	51	54	56	58	60									
3.5	8500	8500	8500	8500	8500	8500	8500	8500	8500	8300	7350							
	7600	7600	7600	7600	7600	7550	7550	7550	7550	7550	7350							
4.0	25	31	37	42	46	49	52	55	57	58	60							
	7200	7200	7200	7200	7200	7200	7150	7150	7150	7150	6750	5950	5650					
4.5	6400	6400	6400	6400	6400	6400	6400	6400	6350	6350	6350	5950	5650					
	9	20	30	36	41	45	48	51	53	55	57	59	60					
5.0	6950	6250	6200	6200	6200	6200	6200	6200	6200	6150	6150	5500	5250	5000	4800			
	6150	5550	5500	5500	5500	5500	5500	5500	5500	5500	5500	5450	5250	5000	4800			
5.5	(3.61)	(3.95)	20	28	35	39	43	46	49	52	54	56	57	59	60			
			5450	5400	5400	5400	5400	5400	5400	5400	5400	5400	5150	4900	4650	4500	4300	4150
6.0			4850	4800	4800	4800	4800	4800	4800	4800	4800	4800	4800	4650	4500	4300	4150	
			(4.45)	19	28	34	38	42	45	48	50	52	54	56	57	59	60	
6.5				4850	4800	4800	4800	4800	4800	4800	4800	4800	4800	4550	4350	4200	4050	3900
				4300	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	4200	4200	4050	3900
7.0				(4.95)	18	27	33	37	41	44	47	49	51	53	55	56	58	59
					4300	3900	3850	3850	3850	3850	3850	3850	3850	3850	3850	3700	3550	3300
7.5																		
8.0																		
8.5																		
9.0																		
9.5																		
10.0																		
10.5																		
11.0																		
11.81																		

**KEY:**

- RC (KG) LESS THAN 10 DEG ARTICULATION
  - RC (KG) GREATER THAN 10 DEG ARTICULATION
- 9 BOOM ANGLE  
 (3.61) RADIUS AT ZERO BOOM ANGLE

“Weight of slings & hook block to be added to load  
 Read and understand warning notes before operating crane”

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