



SUPERIOR
CRANE HIRE

FRANNA[®]
A TEREX BRAND

TECHNICAL
DATASHEET

AT40

**PICK AND CARRY
CRANE**



MAXIMUM CAPACITY
40t



MAXIMUM BOOM LENGTH
19.8m



MAXIMUM HOOK HEIGHT
19m

terex.com/franna



OVERVIEW

The AT 40 is the largest pick and carry crane in the Franna product range and has been specifically designed for higher capacity lifting applications, boasting 44% more load moment capacity than the Franna MAC 25. The 3-axle design eliminates the need for a removable counterweight and the third axle control system raises axle 3 when operating on a work site to provide a smooth turning circle.



⚙️ KEY FEATURES AND BENEFITS:

- ▶ 40 tonne at 1.1m radius on lug
- ▶ 35 tonne at 2.0m radius on 8 part hook block
- ▶ 20 tonne on machinery (Rhino) hook
- ▶ 19m maximum hook height
- ▶ Single line pull 4.3 tonne
- ▶ Dynamic LMI (patent protected)
- ▶ Designed to AS1418.5 (2013)
- ▶ Full width isolated cabin ensures excellent visibility
- ▶ Automatic 4WD engages when a loss of traction is detected
- ▶ High strength boom with easy maintenance
- ▶ Hydro-pneumatic suspension enhances roadability
- ▶ Turret counterweight for greater articulated lifting capacity



TECHNICAL DESCRIPTION

01. Boom

Maximum boom length	19.8m
Maximum hook height	19.0m
Boom elevation angle range	-5°/60°
Articulation	35° R / 35° L
Fixed lug	40 tonne
Machinery hook (rhino)	20 tonne

02. Winch

Maximum line pull	4.3 tonne
Two speed winch	38 m/min / 76 m/min
7 Part Hook block	30 tonne maximum rated capacity
Optional 8 Part Hook block	35 tonne maximum rated capacity

03. Engine & Transmission

Standard engine	Mercedes OM 906
Engine power	205kW
Engine torque	1100 Nm
Fuel Type	Diesel
Fuel Capacity	500 litre
Transmission	Allison 6 speed
Transfer case	ZF 2:1 Ratio

04. Hydraulic System

Axial piston pump	135cc/rev
Maximum pump flow rate	300 litre/min
Maximum working pressure	350 bar
Hydraulic tank capacity	500 litre

05. Chassis

Front Axle (Tare / GVM)	11,100kg / 12,000kg
Axle 2 (Tare / GVM)	9,200kg / 10,000kg
Axle 3 (Tare / GVM)	9,200kg / 10,000kg
Axle Total (Tare / GVM)	29,500kg / 32,000kg
Turning circle (Highway)	10.2m
Turning circle (crane mode)	9.0m

06. Brakes & Suspension

Brake System	Air operated disc brakes with ABS
Suspension	Hydro pneumatic suspension

07. Vehicle Performance

Maximum rated travel speed	80km/h
Gradeability	39%



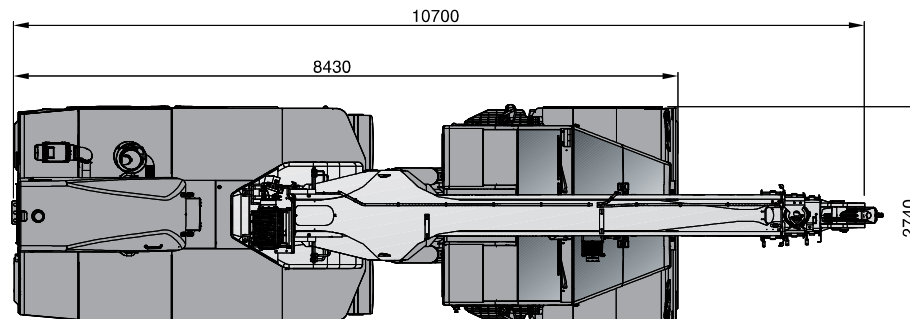


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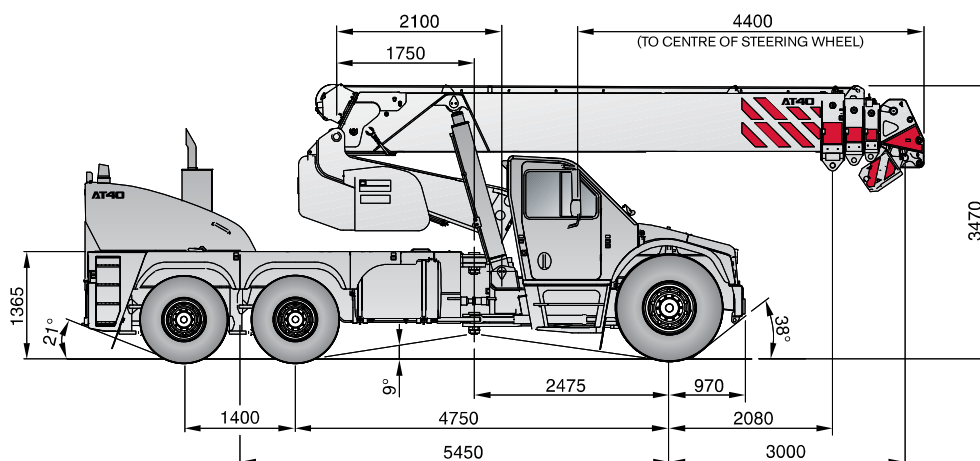
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DIMENSIONS / AREA OF OPERATION

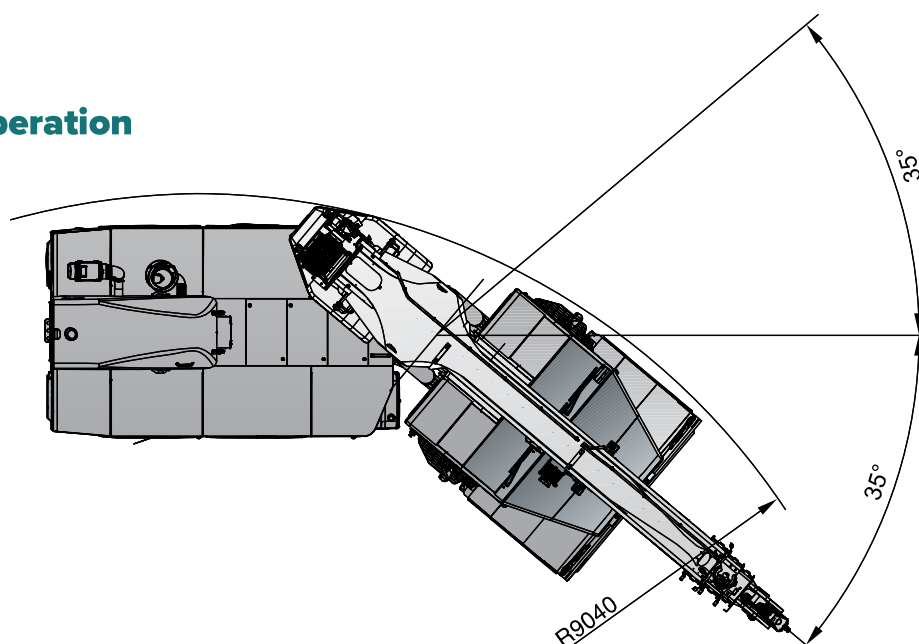
Plan view



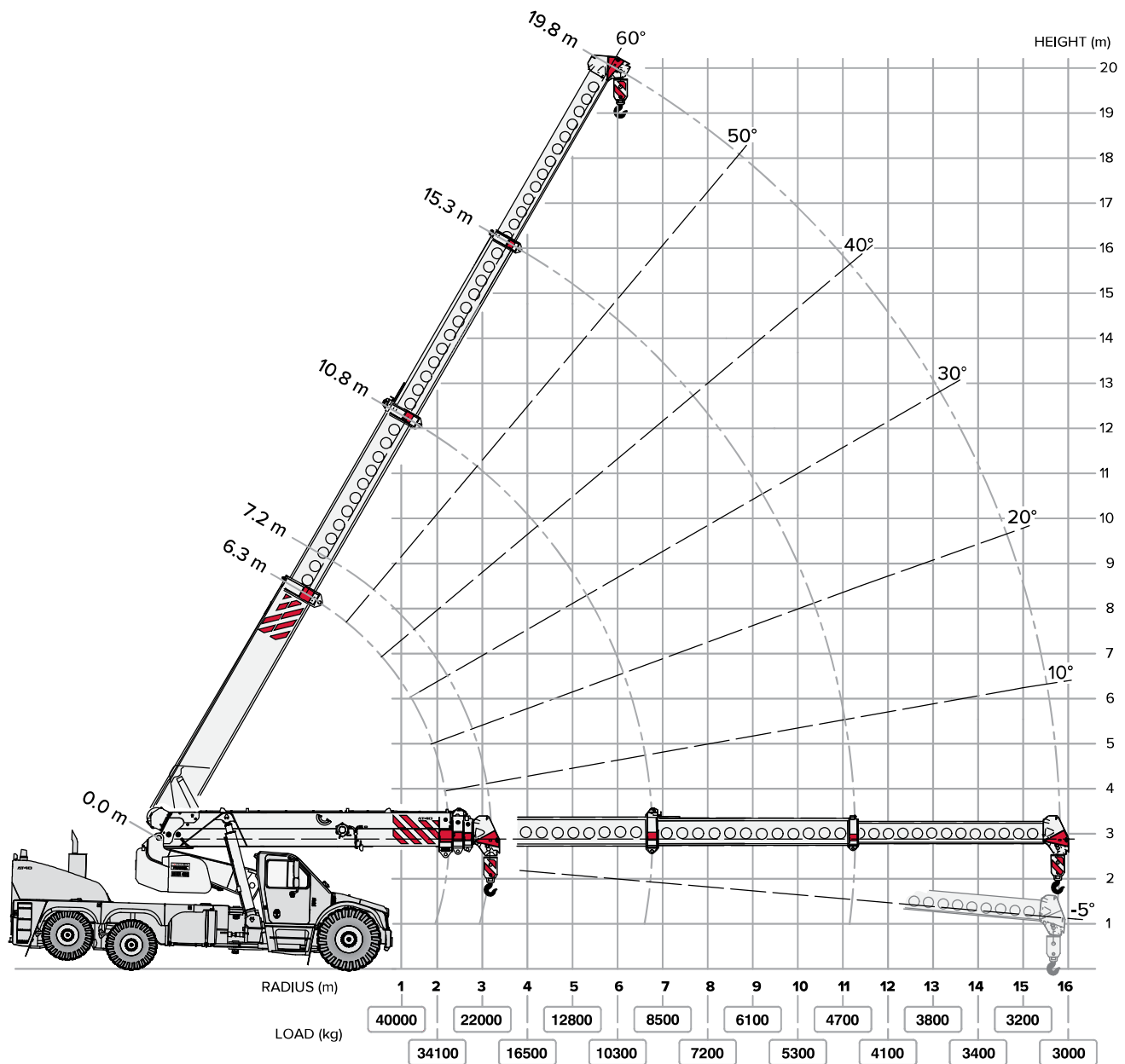
Right hand view



Area of operation



RADIUS LOAD CHART



NOTE: Rated Capacity values shown are for the Pick and Carry Chart.
The Static Chart will give higher rated capacities.

LOAD CHART

RATED CAPACITY CHART PICK AND CARRY (0 - 1.44 km/hr) - FALL BLOCK

RAD	BOOM LENGTH TO HEAD SHEAVES - 3rd BOOM RETRACTED														3rd BOOM EXTENDING				RAD			
	7.23	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.83					
m	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	m				
1.0	35000	35000	35000	35000	35000	35000												1.0				
	35000	33300	28500	25000	22300	20100																
	47	49	52	55	57	59																
2.0	34100	34200	34200	34300	34300	33600	33000	32300	31800									2.0				
	30600	27400	23300	20500	18300	16600	15200	14000	13000													
	34	37	42	46	49	52	54	56	58													
2.5	26800	26900	26900	27000	27000	27000	27100	27100	27100	26300								2.5				
	26100	26200	26200	26300	25400	22200	19800	17800	16300	13800												
	24700	24800	21900	19100	17000	15400	14100	13000	12100	10600												
	25	30	36	41	44	47	50	52	55	58												
3.0	22000	22000	22100	22100	22200	22200	22200	22200	22200	22300	22300							3.0				
	21400	21400	21500	21500	21600	21600	19400	17400	15800	13400	11600											
	20200	20200	20300	18200	16000	14400	13200	12200	11300	9900	8800											
	11	20	29	35	39	43	46	49	51	55	58											
3.5	21200	19300	18600	18600	18700	18700	18700	18800	18800	18800	18800	18800						3.5				
	20600	18800	18100	18100	18200	18200	18200	17100	15500	13000	11300	9900										
	19500	17700	17100	17100	15400	13800	12500	11500	10600	9300	8300	7400										
	(3.1)	(3.4)	19	28	34	38	42	45	48	52	56	59										
4.0			16500	16000	16100	16100	16100	16200	16200	16200	16200	16200	16200					4.0				
			16100	15600	15600	15700	15700	15700	15300	12800	11000	9700	8600									
			15200	14700	14800	13300	12000	10900	10100	8800	7800	7000	6400									
			(3.9)	19	27	33	37	41	44	49	53	56	59									
5.0				14400	12800	12400	12500	12500	12500	12500	12600	12600	12600	12600	12800			5.0				
				14000	12400	12100	12100	12100	12200	12200	10600	9300	8200	7400	6800							
				13200	11700	11400	11400	10300	9400	8000	7100	6300	5700	5300	5000							
				(4.4)	(4.9)	18	26	31	36	42	47	51	54	57	59							
6.0						11400	10300	10000	10100	10100	10100	10200	10200	10200	10300	10400		6.0				
						11100	10000	9800	9800	9800	9800	9000	7900	7100	6600	6100						
						10400	9400	9200	9200	7600	6600	5800	5200	4800	4500	4300						
						(5.4)	(5.9)	17	25	34	40	45	49	52	55	58						
7.0									9300	8500	8400	8400	8400	8400	8500	8600	8700	8900	7.0			
									9000	8200	8100	8100	8200	7800	6900	6300	5900	5200				
									8500	7700	7500	6300	5500	4900	4400	4200	4000	3700				
									(6.4)	(6.9)	24	33	39	44	48	51	54	58				
8.0											7200	7100	7100	7100	7200	7300	7400	7500	8.0			
											6900	6900	6900	6900	6800	6200	5700	5000				
											6500	6300	5200	4600	4100	3900	3700	3400				
											(7.9)	23	32	38	42	46	50	54				
9.0												6100	6100	6100	6100	6300	6400	6500	9.0			
												5900	5900	5900	5900	6100	5600	4900				
												5500	5300	4400	3900	3700	3500	3200				
												(8.9)	22	31	37	41	45	51				
10.0													5300	5300	5300	5400	5500	5700	10.0			
													5200	5100	5100	5300	5400	4800				
													4800	4500	3800	3500	3300	3000				
													(9.9)	21	30	36	40	47				
11.0														4700	4700	4800	4900	5000	11.0			
														4500	4500	4600	4700	4800				
														4200	3900	3400	3200	2800				
														(10.9)	21	29	35	42				
12.0															4100	4200	4300	4500	12.0			
															4000	4100	4200	4300				
															3700	3500	3100	2700				
															(11.9)	20	28	38				
13.0																3800	3800	4000	13.0			
																3600	3700	3800				
																3400	3200	2600				
																(12.9)	20	32				
14.0																3400	3600		14.0			
																3100	2600					
15.0																	(13.9)	26	15.0			
																	3200					
																	2700					
																	17					
15.68																			15.68			
																		3000				
																		2600				
																		0				
														13.00	14.00	15.00	16.00	17.00	18.00	19.83		

WINCH RATED CAPACITY

2

FALLS

8700

4

FALLS

17500

6

FALLS

26200

7

FALLS

30600

8

FALLS

35000

UNITS:

-

ANGLES IN DEGREES

-

LENGTHS IN METRES

-

LOAD IN KILOGRAMS

KEY:

12600

RC @ ARTIC:

0°

PITCH:

-2.3

ROLL:

-1.0

9300

RC @ ARTIC:

20°

PITCH:

-2.3

ROLL:

-3.0

6300

RC @ ARTIC:

35°

PITCH:

-2.3

ROLL:

-3.5

51

BOOM ANGLE

(3.1)

RADIUS AT ZERO BOOM ANGLE

Note:

Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

WINCH RATED CAPACITY

2	FALLS	8700
4	FALLS	17500
6	FALLS	26200
7	FALLS	30600
8	FALLS	35000

UNITS:

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

KEY:

12600	RC @ ARTIC:	0°	PITCH:	-2.3	ROLL:	-1.0
9300	RC @ ARTIC:	20°	PITCH:	-2.3	ROLL:	-3.0
6300	RC @ ARTIC:	35°	PITCH:	-2.3	ROLL:	-3.5
51	BOOM ANGLE					
(3.1)	RADIUS AT ZERO BOOM ANGLE					

Note: Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.



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