



AT22-2

PICK AND CARRY CRANE



MAXIMUM CAPACITY
22t



MAXIMUM BOOM LENGTH
17.9m



MAXIMUM HOOK HEIGHT
17m

OVERVIEW

The AT22-2 is a mid-sized, mobile pick and carry crane with a maximum lifting capacity of 22 tonne (24 USt). Boasting maximum safety features and superior capabilities than that of other pick and carry cranes in the field, the AT22-2 is a logical choice for customers who cover a wide range of applications.

⚙️ KEY FEATURES AND BENEFITS:

- ▶ 22 tonne at 1.4m radius
- ▶ 1.7 tonne at 15.8m radius
- ▶ 17m maximum hook height
- ▶ 16.8 tonne capacity on 4 part hook block
- ▶ Single line pull 4.2 tonne
- ▶ Dynamic LMI (patent protected)*
- ▶ Safety Radar (patent pending)
- ▶ 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	-6° / 60°
Maximum hook height with jib	20m
Articulation	40° R / 40° L
Machinery hook (rhino)	10 tonne

02. Winch

Maximum line pull	4.2 tonne
Two speed winch	38m/min 76m/min
Hook block	(4 part)16.8 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	200 litres

05. Chassis

Front Axle	8,000 kg
Rear Axle	12,000kg
Axle total	20,000 kg
Turning radius	7.8m
Tyre Size	12.00 x 20

06. Brakes & Suspension

Brake System	Air operated drum brakes with ABS
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
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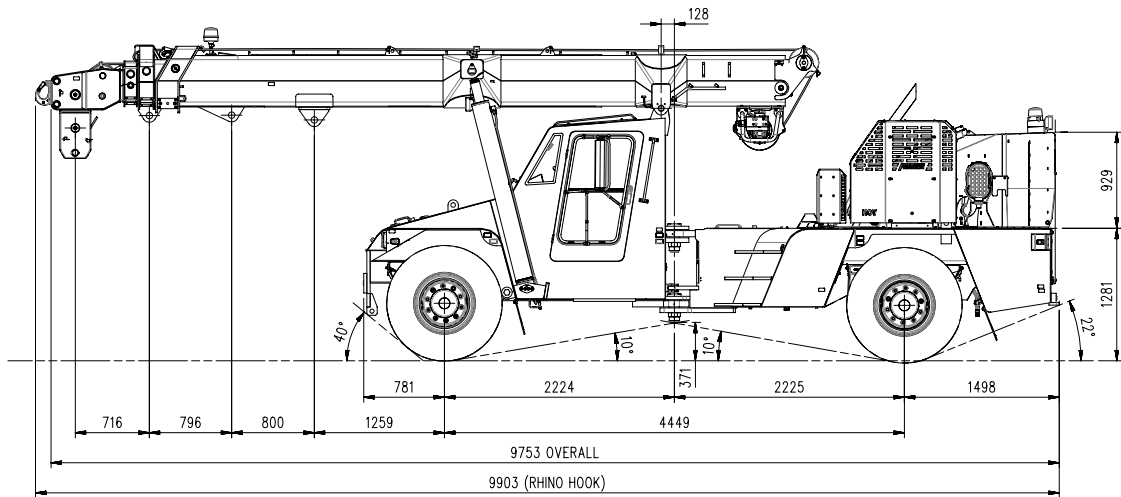


*Refer to www.terex.com/en/company/intellectual-property/franna-patents for current patent details

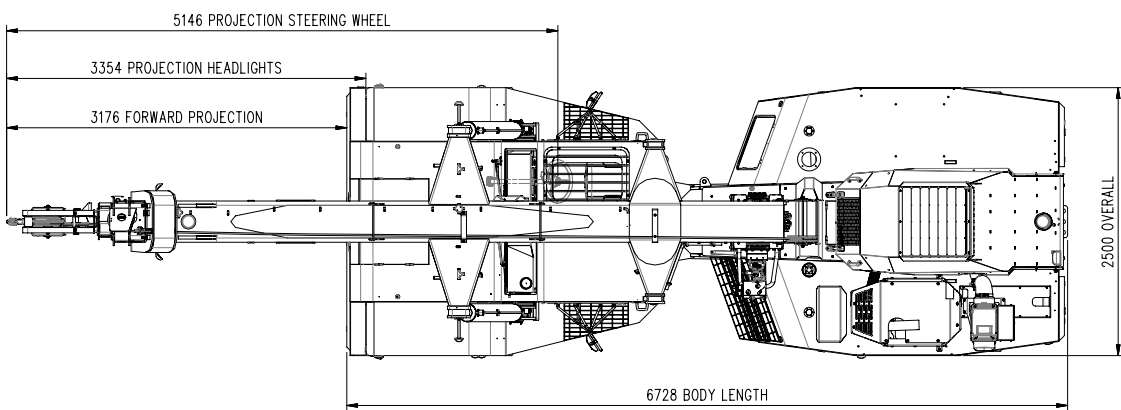
DIMENSIONS / AREA OF OPERATION

RADIUS LOAD CHART

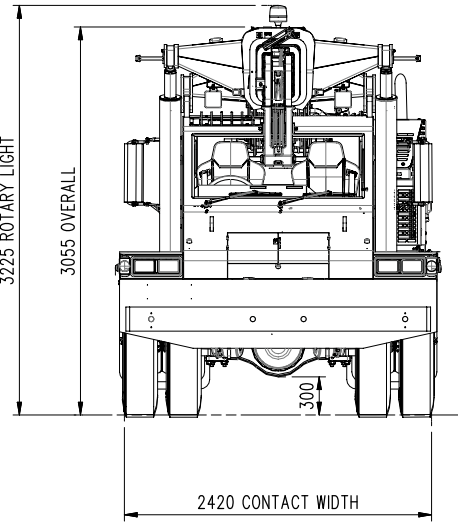
Side view



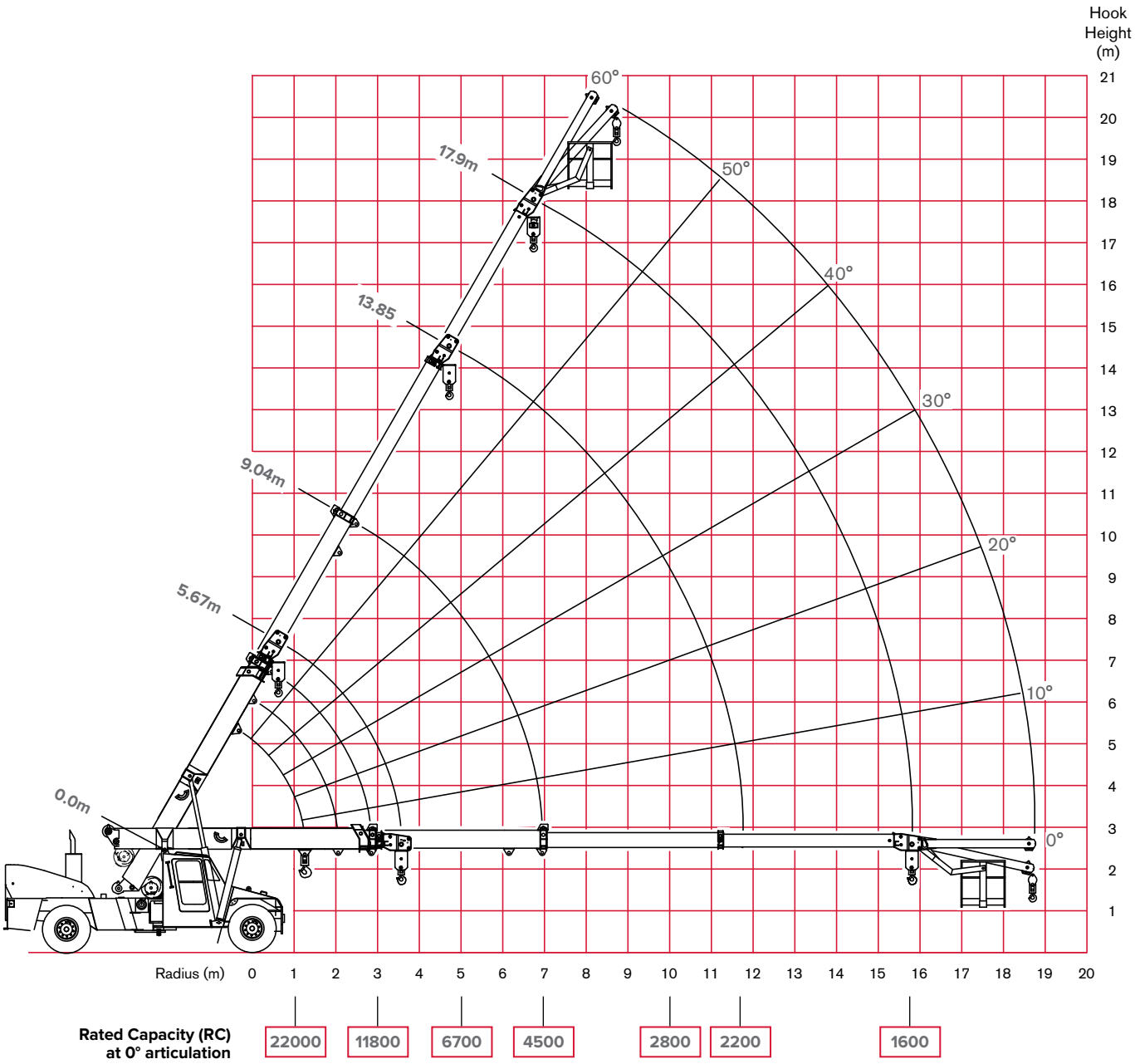
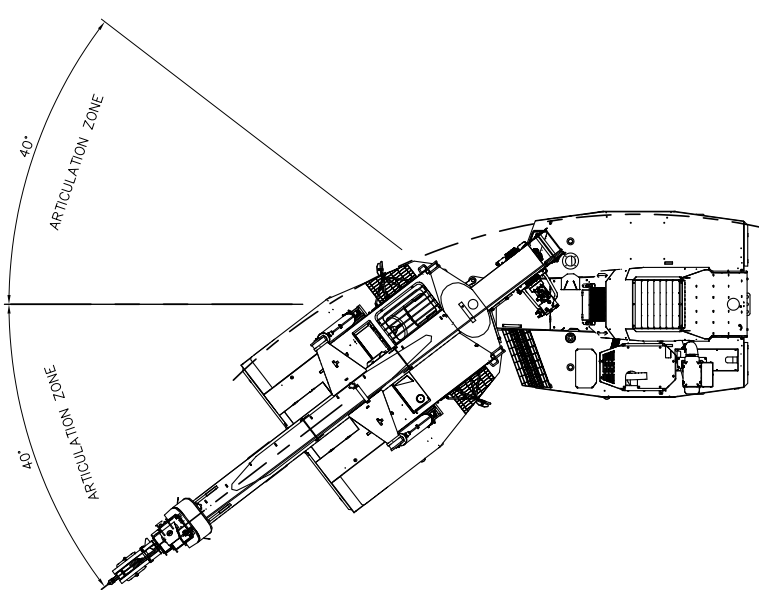
Aerial view



Front View



Area of operation



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

LOAD CHART

Duty:	001
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RATED CAPACITY CHART

Duty: 003

FALL BLOCK MANUAL EXTENDED

Manual Ext'n MAX LENGTH 17.9	
Max Radius	RC
7.43	2700
	2200
	58
9.39	2400
	1700
	50
11.61	2200
	1300
	40
13.42	2000
	1200
	30
14.76	1800
	1100
	20
15.59	1600
	1100
	10
15.88	1600
	1100
	0

NOTE: 17.9m BOOM LENGTH INCLUDES MANUAL 3RD EXTENSION.
RATINGS FOR MANUAL EXTENSION ARE STRUCTURAL & BASED ON BOOM ANGLE, NOT RADIUS. THE RATINGS DO NOT CHANGE IF THE POWER SECTIONS ARE RETRACTED WITH THE MANUAL EXTENDED.

UNITS:

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

KEY:

1800	RC @ ARTIC: 0°	PITCH: -2.3	ROLL: -0.6
1100	RC @ ARTIC: 40°	PITCH: -2.3	ROLL: -0.6
20	Boom Angle		

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

OUR LOCATIONS



Brisbane (Head Office)

Terex Australia Pty Ltd
585 Curtin Avenue East (PO Box 1396)
Eagle Farm QLD 4009, Australia

Tel: +61 7 3868 9600

Fax: +61 7 3268 2489

Services: Manufacturing, Sales, Service, Parts

Sydney

Terex Australia Pty Ltd
114 Hassall Street
Wetherill Park NSW 2164, Australia

Tel: +61 2 8786 4444

Fax: +61 2 8786 4455

Services: Sales, Service, Parts

Melbourne

Terex Australia Pty Ltd
133 Logis Boulevard
Dandenong South VIC 3175, Australia

Tel: +61 3 8794 4170

Fax: +61 3 9551 8143

Services: Sales, Service, Parts

Perth

Terex Australia Pty Ltd
39 Catalano Road
Canning Vale WA 6155, Australia

Tel: +61 8 9232 0000

Fax: +61 8 9232 0051

Services: Sales, Service, Parts

24/7 Support: 1800 837 395 or **EAG.ProductSupport@terex.com**

Email: franna@terex.com

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