



TECHNICAL DATASHEET



AT40-2

PICK AND CARRY CRANE



MAXIMUM CAPACITY
40t



MAXIMUM BOOM LENGTH
19.8m



MAXIMUM HOOK HEIGHT
19m

terex.com/franna

OVERVIEW

The AT40-2 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 MAC25-5. 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 reduced 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)*
- ▶ Safety Radar (patent pending)
- ▶ Designed to AS1418.5 (2013)
- ▶ Full width isolated cabin ensures excellent visibility
- ▶ Traction Control
- ▶ High strength boom with easy maintenance
- ▶ Hydro-pneumatic suspension enhances roadability

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

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 OM936
Engine power	230kW
Engine torque	1300Nm
Fuel Type	Diesel
Fuel tank capacity	500 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	135cc/rev
Maximum pump flow rate	300 litres/min
Maximum working pressure	350 bar
Hydraulic tank capacity	500 litres

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
Transport weight	30,300 kg
Turning circle (Highway)	10.2m
Turning circle (crane mode)	9.3m
Front Tyres	385/95 x R25
Rear Tyres	315/80 x R22.5

06. Brakes & Suspension

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

07. Vehicle Performance

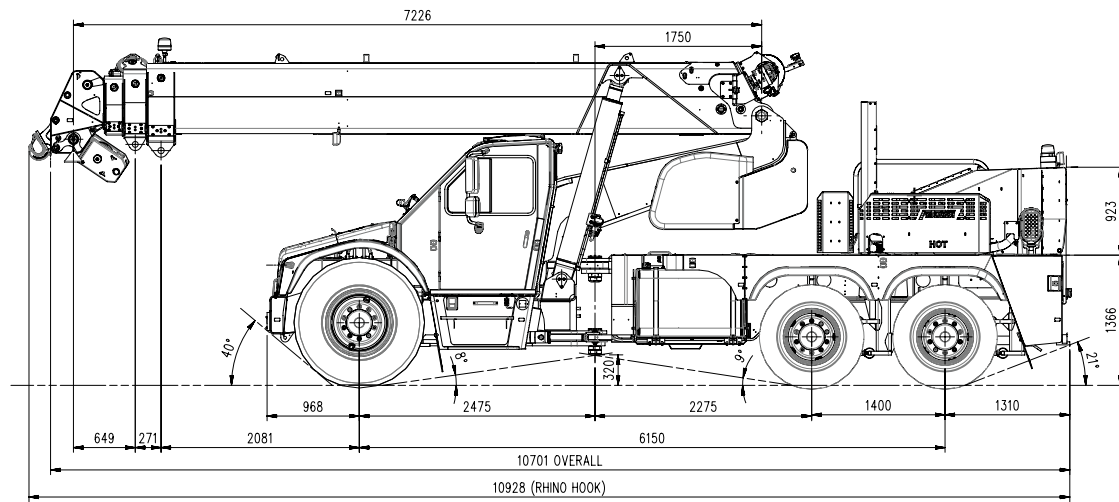
Maximum rated travel speed	80km/h
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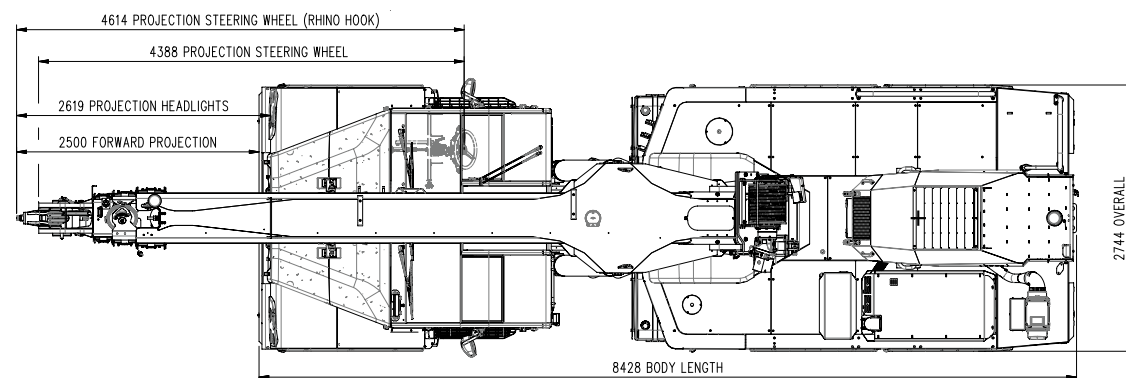
DIMENSIONS / AREA OF OPERATION

RADIUS LOAD CHART

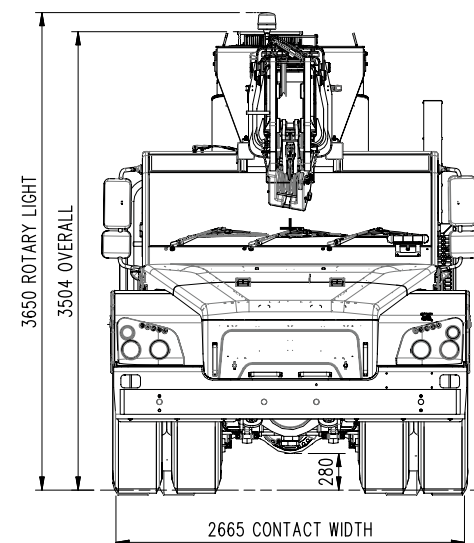
Side view



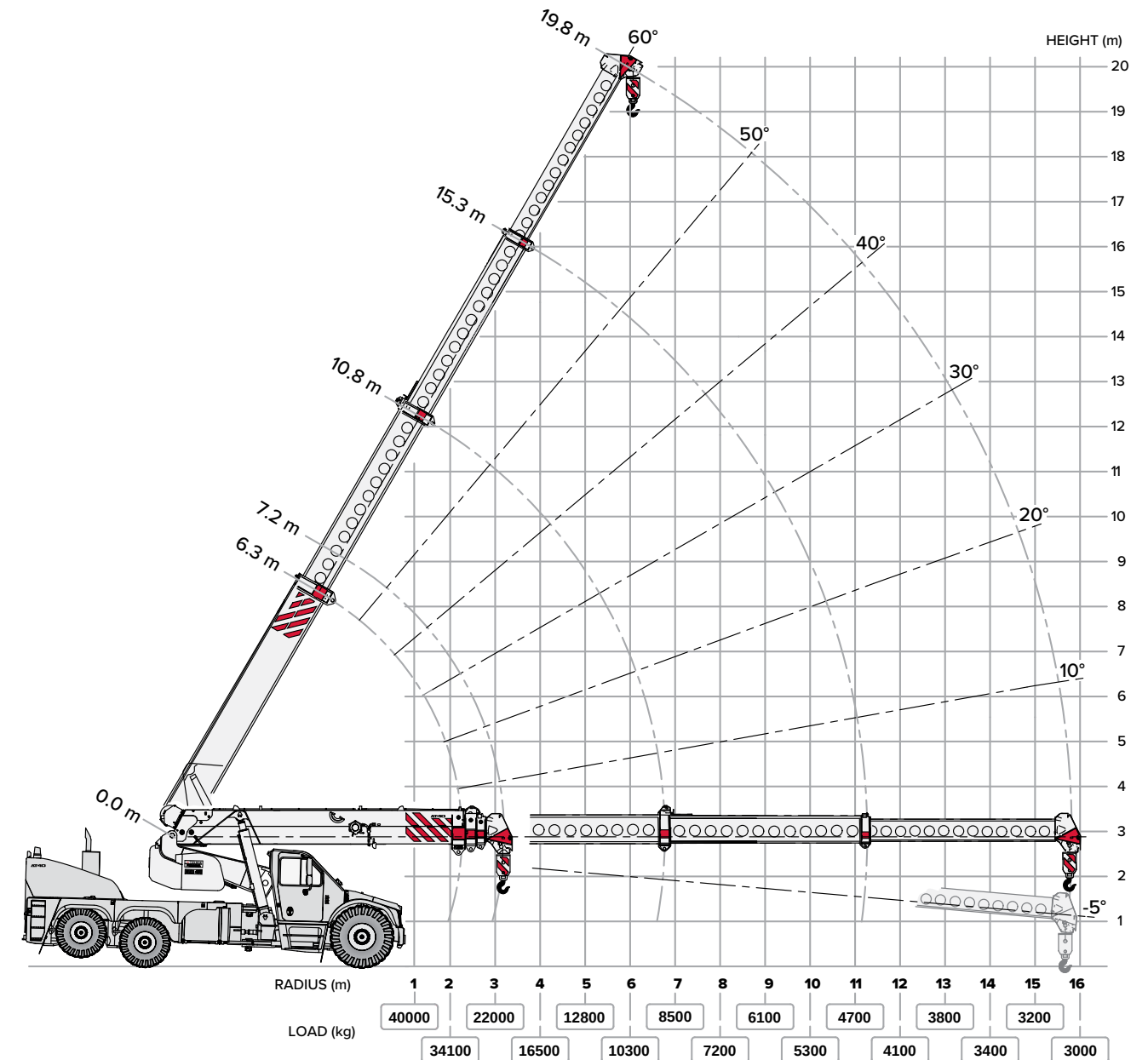
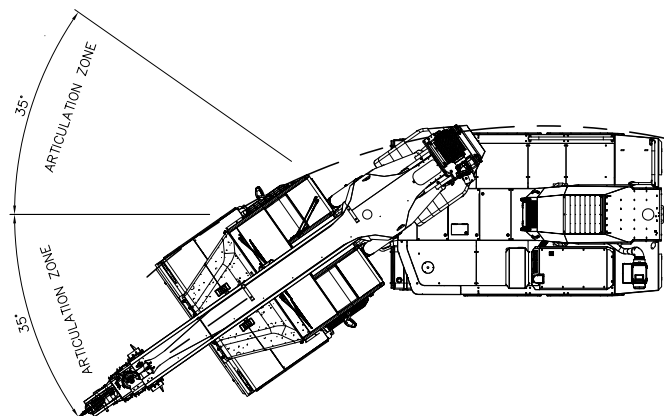
Aerial view



Front View



Area of operation



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

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

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