

Specifications for 16 tonne model

RATED CAPACITY

16 Tonnes at 1.2 Radius
1.4 Tonne at 15.8 Radius
Hook Height 16.5 metres
Lift Hook block 9.75 Tonnes
Single Line 3.25 Tonnes

AXLE LOADINGS

Front Axle 8000 kg
Rear Axle 11000 kg
TOTAL 19000 kg

TURNING CIRCLE

Outside Wheels 7.4 metres

DIMENSIONS

Overall Length 9.68 metres
Overall Width 2.5 metres
Overall Height 3.0 metres

HYDRAULIC WINCH

Line pull with full drum 3.25 T
3/2 part fall block or single line, fully compensated hook height.

CABIN

ROPS type insulated lock up cabin.

ENGINE

Hino, 202HP, 6 Cylinder Turbo-charged Diesel Engine.

TRANSMISSION

28,000 Series Clark.
8 Speed Power Shift.

DRIVE AXLES

Front and rear heavy duty drive axles.
Driver engaged air diff lock.
Front axle.

DRIVE SHAFTS

Hardy Spicer Series.

BRAKES

Full air S cam Twin Circuit Brakes front & rear axles. Spring applied on rear axle, crane operation hold brake on front wheel.

TYRES

1200 x 20 x 18 ply.

STEERING

Full Power ORBITROL with twin Hydraulic double acting rams, main pump supply plus electro hydraulic emergency supply.

HYDRAULIC PUMP

Load sensing axial piston 135 Litre/min.

SUSPENSION

Two (2) Semi elliptic springs on each axle plus TORSION BAR on front axle for stability.

PERFORMANCE

Maximum — 85 KPH
Gradability — 50%

OPTIONAL EQUIPMENT

- Fly jib
- Man Basket
- Spreader Bars
- Air Conditioning
- Machinery Hook
- Spare wheel carrier
- Work Lights
- Boom head mounted Rhino Hook
- Other on application.

*Specifications subject to change without notice.

Loads on firm level ground, tyres 1200 x 20 x 18 ply inflated to 120 PSI, weight of hooks, blocks, slings & chains etc. included.

		BOOM ANGLE	Boom length in metres — manual extension retracted — load in tonnes — radius in metres																		4.1M MANUAL EXTENDED
			5.65	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	13.84	
RADIUS IN METRES	60°				9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.30	8.50	7.80	7.20	6.60	6.20	5.80	5.50	2.65
				1.09	1.35	1.60	1.80	2.05	2.30	2.55	2.80	3.05	3.30	3.55	3.80	4.05	4.30	4.55	4.75	6.80	
	50°	9.75	9.75	9.75	9.75	9.75	9.75	8.90	8.10	7.30	6.75	6.20	5.70	5.30	4.90	4.60	4.30	4.10	3.90	2.30	
		1.45	1.70	2.00	2.35	2.65	3.00	3.30	3.60	3.95	4.25	4.60	4.90	5.25	5.50	5.85	6.20	6.50	6.75	9.35	
	40°	9.75	9.75	9.75	9.30	8.20	7.40	6.60	6.00	5.50	5.10	4.70	4.30	4.00	3.80	3.50	3.30	3.10	3.00	1.95	
		2.15	2.45	2.80	3.20	3.60	3.95	4.35	4.75	5.10	5.50	5.85	6.25	6.65	7.00	7.40	7.80	8.20	8.45	11.55	
	30°	9.75	9.75	8.60	7.60	6.75	6.00	5.40	5.00	4.50	4.20	3.85	3.60	3.30	3.10	2.95	2.70	2.60	2.50	1.75	
		2.75	3.00	3.45	3.90	4.30	4.75	5.20	5.60	6.05	6.50	6.95	7.35	7.80	8.25	8.65	9.10	9.50	9.80	13.35	
	20°	9.60	8.60	7.50	6.60	5.90	5.30	4.80	4.40	4.00	3.70	3.40	3.10	2.90	2.70	2.60	2.40	2.20	2.10	1.50	
		3.15	3.48	3.95	4.40	4.90	5.35	5.80	6.30	6.75	7.25	7.70	8.15	8.65	9.10	9.60	10.0	10.5	10.85	14.70	
10°	8.90	8.00	6.90	6.10	5.50	4.90	4.40	4.10	3.70	3.40	3.20	2.90	2.70	2.50	2.40	2.20	2.10	2.00	1.40		
	3.40	3.75	4.25	4.70	5.20	5.70	6.20	6.70	7.20	7.65	8.20	8.65	9.15	9.65	10.15	10.65	11.15	11.45	15.50		
0°	8.60	7.80	6.80	6.00	5.30	4.80	4.30	4.00	3.60	3.30	3.10	2.90	2.70	2.50	2.30	2.20	2.00	1.90	1.40		
	3.50	3.85	4.35	4.85	5.35	5.85	6.35	6.85	7.35	7.85	8.35	8.85	9.35	9.85	10.35	10.85	11.35	11.70	15.80		

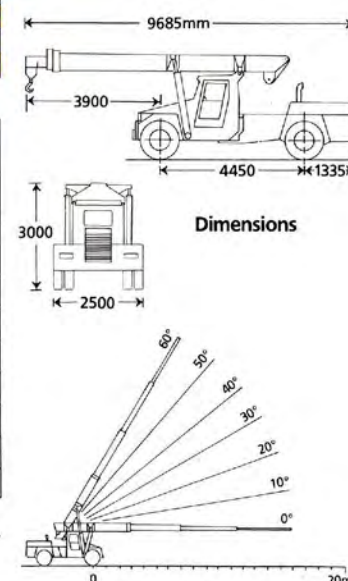
Fixed hook on main boom	
ANGLE IN DEGREES	CAPACITY IN TONNES
60°	
50°	
40°	
30°	16
20°	16
10°	16
0°	16

BOOM ANGLE	Boom pivot to lug. 1st boom extension manual extension retracted									
	4.15	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.25
60°							12.00	12.00	12.00	12.00
50°							1.05	1.30	1.55	1.80
							12.60	12.60	12.60	12.60
40°							1.05	1.35	1.70	2.00
							12.60	12.60	12.60	12.60
30°							1.00	1.30	1.65	2.05
							13.50	13.50	13.50	13.50
20°							1.45	1.75	2.15	2.60
							13.50	13.50	13.50	13.50
10°							1.70	2.05	2.55	3.00
							13.80	13.80	13.80	13.80
0°							1.90	2.25	2.75	3.25
							14.00	14.00	14.00	14.00
	2.00	2.35	2.85	3.35	3.85	4.35	4.85	5.35	5.85	6.10

Main boom fully extended 13.84m.
4.1m manual extended.
3m fly jib fitted to boom head.

BOOM ANGLE	RADIUS (m)	S.W.L. (tonne)
0°	18.84	0.75
10°	18.52	0.75
20°	17.58	0.77
30°	16.03	0.85
40°	13.94	0.97
50°	11.36	1.20
60°	8.37	1.50

3m FLY JIB S.W.L. CHART AT 67% OF TIPPING.
10.5 TONNE REAR AXLE WEIGHT.



FRANNA CRANES

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FRANNA 16 POWER LIFTER

All Terrain Lift & Carry Mobile Crane



The Franna 16 is the latest addition in the successful Franna range of all terrain mobile Cranes. It shares the same innovative design as the 4WD 10 and 12 tonne models, well known for their versatility and robust character.

The 16 is also the largest capacity pick up and carry all terrain Crane presently manufactured in Australia.

Built for comfort as well as hard work the cabin offers its driver 25% more room, a binnacle type dashboard, pilot operated hydraulics and a digital load indicator. Both Hydraulic oil and fuel tanks have been integrated around the 202hp motor in the rear body, with the latest design in adjustable wear pads and boom structure up front.

With this machine you have the power, finesse and versatility to lift almost anything anywhere. Here are some of the many features.

- Hydraulic winch with full hook compensation.
- Synchronized power boom $\frac{2}{3}$ part hook block.
- 40° articulation each side of centre providing a total of 80° of slewing arc.
- Exclusive park brake attachment allows the operator to slew the Crane through 80° whilst the Crane is stationary and the parking brake is activated.
- 40mm thick steel front plate, with fully recessed dual headlights and blinkers.
- Boom head design for maximum clearance for machinery installation.
- 800 litre front mounted sling and tackle compartment with opening front and top doors for easy access.
- Wide stance boom lift cylinders provide maximum operator's vision.
- Total engine cover hinged rearwards for maximum access to 202hp Diesel Engine and service points.
- Forward body cover hinged to allow full access to main hydraulics, Pilot hydraulics and service points.
- Upswept exhaust/chrome muffler for minimum noise levels.
- Large zone tinted front windscreen.
- Roof, rear and quarter glass windows are tinted and allow greater visibility.
- Forward body cover hinged to allow full access to main hydraulics, Pilot hydraulics, Allison 4 speed automatic transmission, Rockwell transfer case and service points.
- Full binnacle type instrumentation and controls positioned for ease of operation.
- 2 speed windscreen wipers, washer and heater/demister.
- Bostrum suspension driver's seat, fixed passenger seat.
- Full power orbital steering/DC emergency steering.
- Heavy duty front and rear bodies with fully incorporated checker plate mudguards.



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