

FR17 XSi

PICK AND CARRY
CRANE



MAXIMUM RATED CAPACITY

17 t



MAXIMUM BOOM LENGTH

18.23 m **20.83 m**
(manual extension) (with fly jib)



HD WINCH

3.5T



COMPACT MACHINE

2.95 m
(Machine Height)



STABILITY

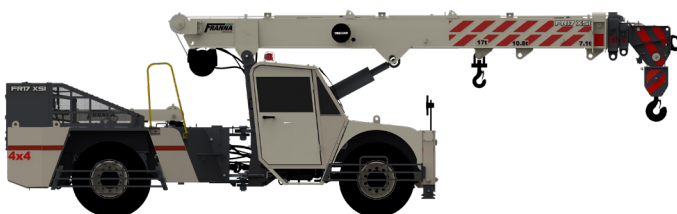
75%



OVERVIEW

The FR 17XSi is a very compact pick and carry mobile crane from Franna product range and is specially designed for Indian market for higher lifting capacity applications (up to 17 Ton) with 75% stability factor. This 4WD crane has a powerful CEV Stage-V emission compliance engine, with heavy duty Auxiliary Gear Box (AGB) and axles for all type of crane application.

This crane combines safety and comfort with smooth steering flexibility, providing the operator with the ability to lift and maneuver in tight spaces. The heavy-duty U section fabricated boom with welding on the neutral axis offers superior durability and a competitive edge while lifting heavy loads.



Connect



3.5T HD Winch



Smooth Clutch



Single Luff Cylinder



Manual Boom Extension rod



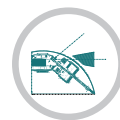
Lowest Turning Radius



5 Hook Positionings



U-Section Boom



Articulation Limit Switch



Winch Mounted under Boom

TECHNICAL DESCRIPTION

01. Boom

Maximum boom length (manual extn.)	18.23 m
Maximum boom length (fly jib)	20.83 m
Maximum tip height (fly jib)	20.4 m
Boom elevation angle range	-6°/60°
Articulation	40° R / 40° L
Fixed lug	17 tonne
Machinery hook (rhino)	8 tonne

02. Winch

Maximum Line Pull (1st layer)	3.5 tonne
Single speed winch (raising 4th layer)	50 m/min
4 Part Hook block	10 tonne max rated capacity, fully compensated hook height whilst telescoping the boom

03. Engine & Transmission

Standard engine	VECV E483 CEV Stage V
Engine power	(74HP)55 kW@2200 rpm
Engine torque	370 Nm
Fuel Type	Diesel
Fuel Capacity	230 litre
Transmission	VECV Synchromesh gear box with 10 forward and 2 reverse speeds with crane/travel mode selector switch
Clutch	Single, dry type friction clutch plate (self-adjusting)
Clutch Actuation	Pneumatic assisted hydraulic clutch with clutch booster provision

04. Hydraulic System

High Pressure Vane pump	46 cc/rev
Maximum working pressure	220 bar
Hydraulic Oil	210 litre
2000Hrs Replacement Interval	

05. Axle Loadings (with attachments) & Turning Radius

Front Axle	6780 kg
Rear Axle	9620 kg
Total	16400 kg
Turning Radius	6.77 m

06. Brakes

Service	Fully air operated 'S'cam dual circuit brakes on front & rear axles
Parking	Air operated, spring actuated, fail safe brakes

07. Tyres & Rims

Front	11.00x20-16PR (4 No.)
Rear	11.00x20-16PR (4 No.)

08. Electricals

System	12V DC
EMC Certified	

09. Steering

Steering	Full power orbital motor with twin cushioned double acting rams with 40 deg articulation either side
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10. Vehicle Performance & Drive

Max Speed	49 km/h
Gradeability	30% (laden), 40% (unladen)
Drive	4x4

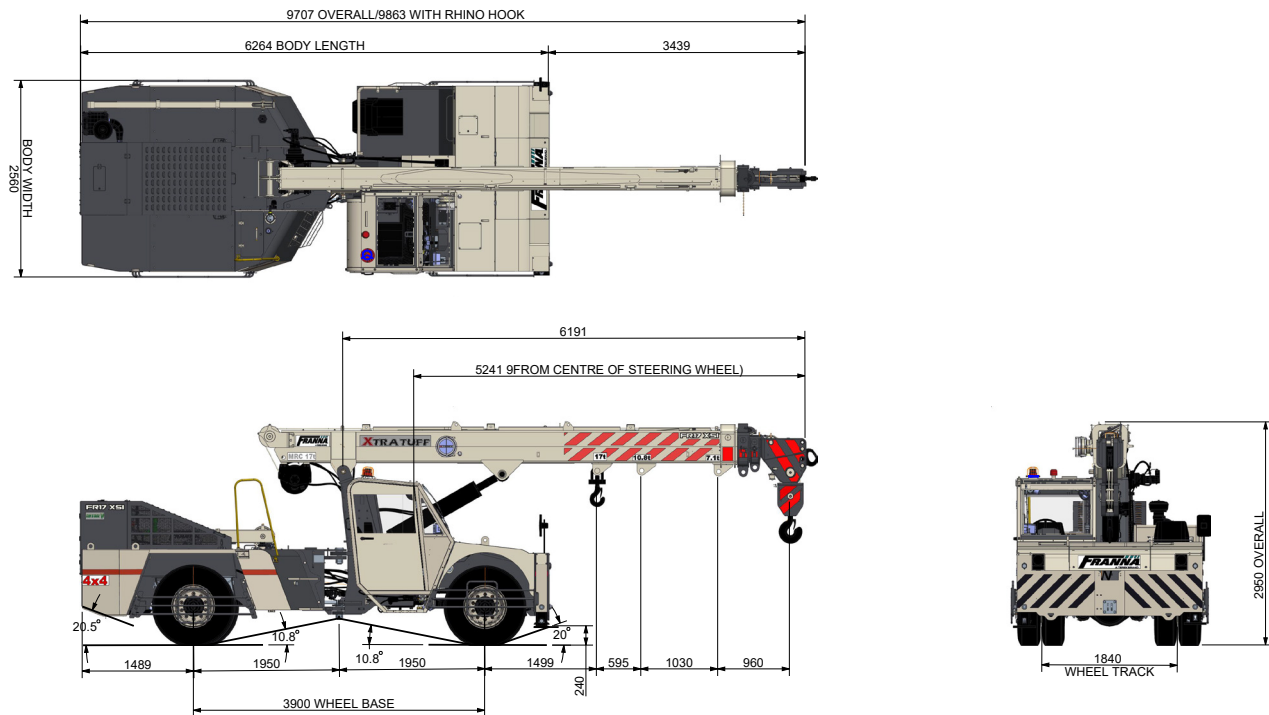
*Accessories Solution:

Safe Load Indicator, 3 Stack Lamp
SLI with Safe Operation Feature,
Human Proximity Sensor,
Outrigger Engagement Warning,
Boom Angle Indicator, Machine Level Indicator
Beacon Light, Cabin Safety Grill, Rear View Camera,
Music player, Helper Seat.

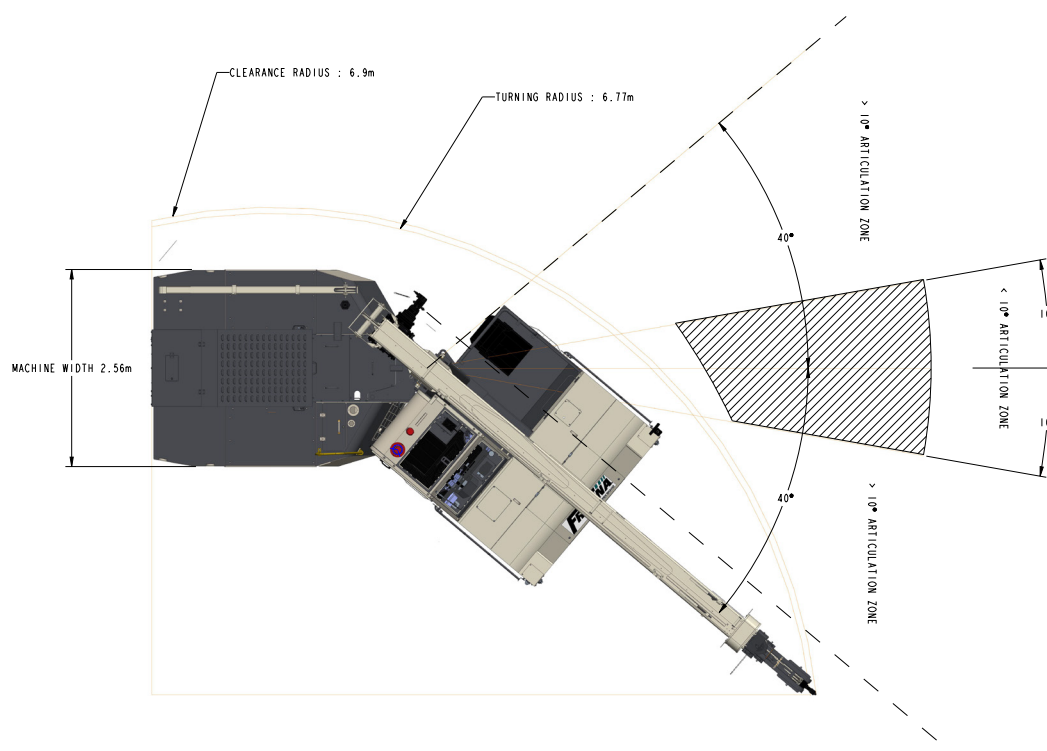


DIMENSIONS / AREA OF OPERATION

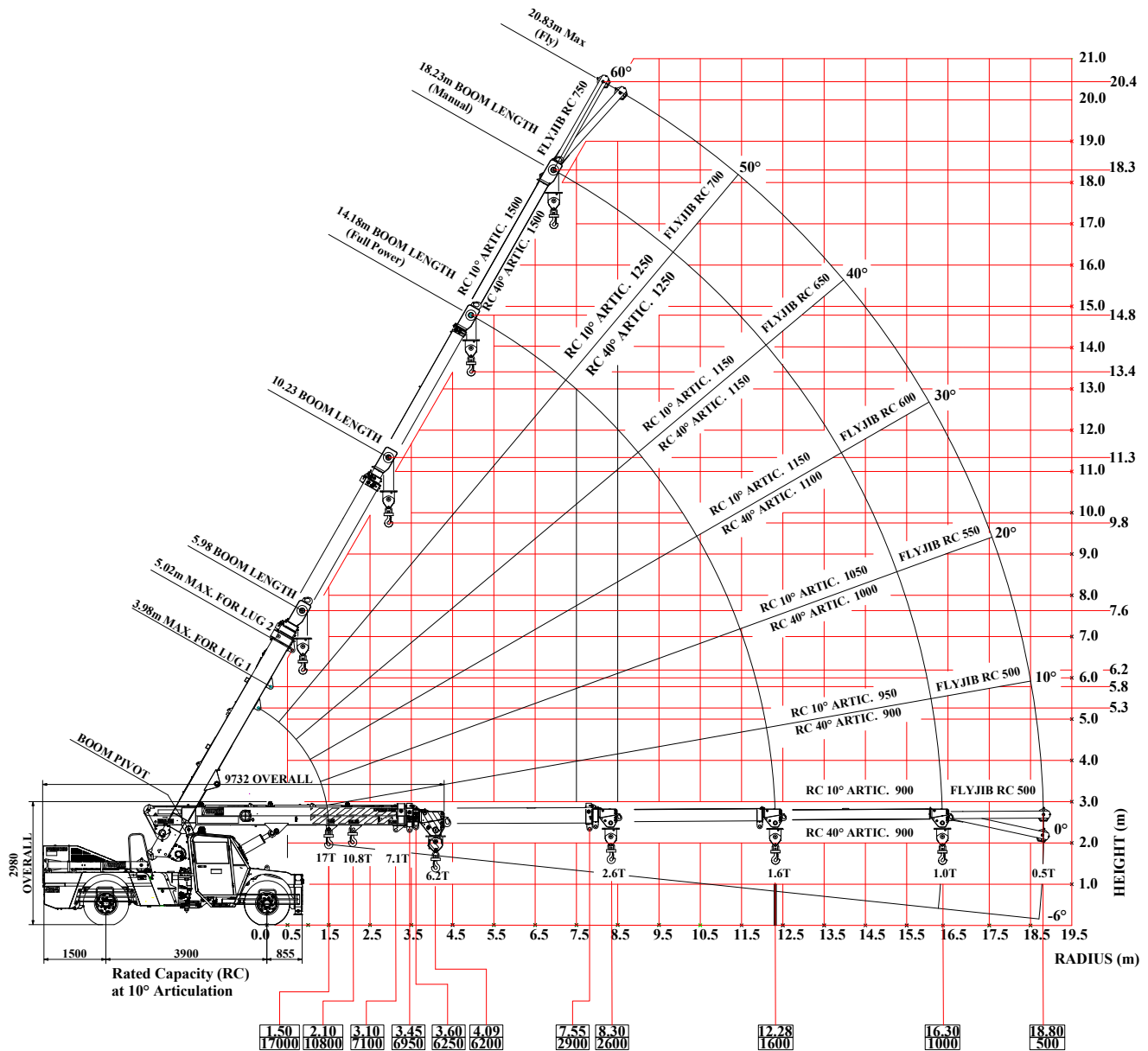
Machine view (All dimensions are in mm)



Area of operation



RADIUS LOAD CHART



Note:

- Rated Capacity Values shown are for the Pick and Carry chart.
- Rated Capacity Values are on the basis of operation on firm and level surface.
- Images shown here is for representation purpose only, actual machine may differ based on optional item selection

LOAD CHART

RATED CAPACITY CHART - LIFTING ON WINCH FALL BLOCK																		
RADIUS	BOOM LENGTH (m)																	
	5.98	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	14.00	14.18
1.5	9900	10000																
	9900	10000																
	56	59																
2.0	9600	9800	10000	10000	10000													
	9600	9800	10000	10000	10000													
	49	53	56	59	60													
2.5	9400	9500	9700	9800	10000	10000	10000											
	9400	9500	9700	9800	10000	10000	10000											
	43	48	51	54	57	59	60											
3.0	9300	9300	9300	9300	9200	9200	9200	9100	8900									
	8300	8300	8300	8300	8300	8300	8200	8200	8200									
	35	41	46	49	52	55	57	59	60									
3.5	7900	7900	7800	7800	7800	7800	7800	7700	7700	7700	6800							
	7000	7000	7000	7000	7000	7000	6900	6900	6900	6900	6800							
	26	34	40	44	48	51	53	55	57	59	60							
4.0	6700	6800	6800	6700	6700	6700	6700	6700	6700	6600	6300	5600	5400					
	6000	6000	6000	6000	6000	6000	6000	6000	5900	5900	5900	5600	5400					
	10	25	33	38	43	46	49	52	54	56	58	59	60					
4.5	6200	5900	5900	5900	5900	5900	5900	5900	5800	5800	5800	5200	5000	4800	4600			
	5800	5200	5300	5300	5300	5200	5200	5200	5200	5200	5200	5100	5000	4800	4600			
	(4.09)	10	24	32	37	41	45	48	50	53	54	56	58	59	60			
5.0		5700	5200	5200	5200	5200	5200	5200	5200	5200	5200	4900	4700	4500	4300	4100	4000	4000
		5100	4600	4600	4600	4600	4600	4600	4600	4600	4600	4600	4500	4500	4300	4100	4000	4000
		(4.60)	10	23	31	36	40	44	46	49	51	53	55	57	58	59	60	60
6.0			5100	4500	4200	4200	4200	4200	4200	4200	4200	4200	4100	4000	3800	3700	3500	3500
			4500	4000	3700	3700	3700	3700	3700	3700	3700	3700	3700	3700	3600	3600	3500	3500
			(5.10)	(5.60)	9	22	29	34	38	41	44	47	49	51	53	54	56	56
7.0					4100	3700	3500	3500	3500	3500	3500	3500	3400	3400	3400	3300	3200	3100
					3600	3300	3100	3100	3100	3100	3000	3000	3000	3000	3000	3000	3000	3000
					(6.10)	(6.60)	9	21	27	32	36	39	42	45	47	49	51	51
8.0							3400	3100	2900	2900	2900	2900	2900	2900	2900	2900	2800	2800
							3000	2700	2600	2600	2600	2600	2600	2500	2500	2500	2500	2500
							(7.10)	(7.60)	8	20	26	31	34	38	40	43	45	46
9.0									2900	2700	2500	2500	2500	2500	2500	2500	2500	2500
									2500	2300	2200	2200	2200	2200	2200	2200	2200	2200
									(8.10)	(8.60)	8	19	25	29	33	36	39	40
10.0											2500	2300	2200	2200	2200	2200	2200	2200
											2100	2000	1900	1900	1900	1900	1900	1900
											(9.10)	(9.60)	8	18	24	28	32	33
11.0													2100	2000	1900	1900	1900	1900
													1800	1700	1600	1600	1600	1600
													(10.10)	(10.60)	7	17	23	25
12.3															1900	1700	1600	1600
															1600	1500	1400	1400
															(11.10)	(11.60)	(12.10)	(12.28)

KEY:

	SWL (KG) LESS THAN 10 DEG ARTICULATION
	SWL (KG) GREATER THAN 10 DEG ARTICULATION
	BOOM ANGLE OR (RADIUS AT 0 DEG BOOM ANGLE)

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

FEATURES & ATTACHMENTS

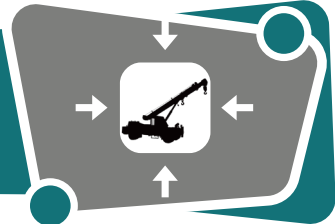


NEUTRAL AXIS WELDING BOOM

Latest boom technology for Heavy duty applications. U-section ensures higher lifting capacity with longer life

COMPACT MACHINE

Shortest Turning radius of 6.7 meter makes it ideal machine for City and congested areas.



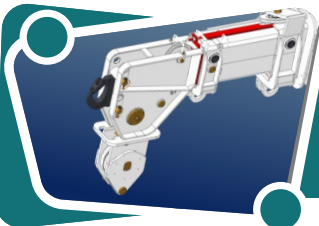
WINCH MOUNTING

Under boom winch ensures safe operations while working in compact area. Ideal for city and industrial applications

75% STABILITY

Higher safety and stability reduces the chances of accident.

75%



MANUAL EXTENSION ROD

Quick and reliable mechanism for higher height applications

Connect

24X7 machine update on location, health and performance on one click



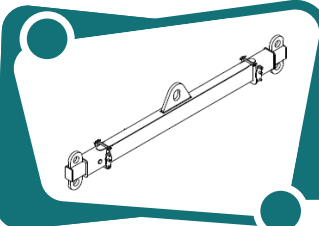
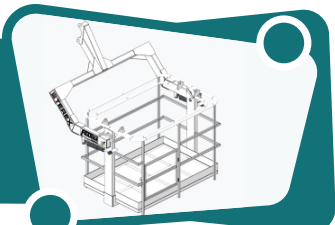
SINGLE LUFF CYLINDER

Increases the visibility and reduces the maintenance.

MAN BASKET

250 kg capacity with self-leveling mechanism

*Optional Attachment



SPREADER BAR

Ideal for oversize load lifting application. Helpful for pipe, steel bars lifting

*Optional Attachment

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