



AT24-2 US

PICK AND CARRY CRANE



MAXIMUM CAPACITY
24 USt



MAXIMUM BOOM LENGTH
58' 8"



MAXIMUM HOOK HEIGHT
55' 9"

OVERVIEW

The AT24-2 US is a mid-sized, mobile pick and carry crane with a maximum lifting capacity of 24 USt. Boasting maximum safety features and superior capabilities than that of other pick and carry cranes in the field, the AT24-2 US is a logical choice for customers who cover a wide range of applications.

⚙️ KEY FEATURES AND BENEFITS:

- ▶ 24 USt at 4'7" radius on lug
- ▶ 1.8 USt at 51'10" radius
- ▶ 55'9" maximum hook height
- ▶ 17.6 USt capacity on 4 part hook
- ▶ Single line pull 8800 lb
- ▶ Dynamic LMI (patent protected)*
- ▶ Safety Radar (patent pending)
- ▶ Designed to B30.5
- ▶ 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	58ft
Maximum hook height	55ft
Boom elevation angle range	-6° / 60°
Maximum hook height with jib	65ft
Articulation	40° R / 40° L
Machinery hook (rhino)	11 USt

02. Winch

Maximum line pull	8800 lb
Two speed winch	125 ft/min / 250 ft/min
4 Part hook block	17.6 USt

03. Engine & Transmission

Standard engine	Mercedes OM936
Engine power	282 hp
Engine torque	885 ft-lb
Fuel Type	Diesel
Fuel tank capacity	116 gallons
Transmission	Allison 6 speed
Transfer case	ZF 2:1 Ratio
DEF tank capacity	10 gallons
Emissions compliance	Tier 4f/Stage 5

04. Hydraulic System

Axial piston pump	3.8 cu.in/rev
Maximum pump flow rate	34 gal/min
Maximum working pressure	3625 psi
Hydraulic tank capacity	52 gallons

05. Chassis

Front Axle	17640 lb
Rear Axle	26455 lb
Axle total	44095 lb
Turning radius	26 ft
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	50 mph
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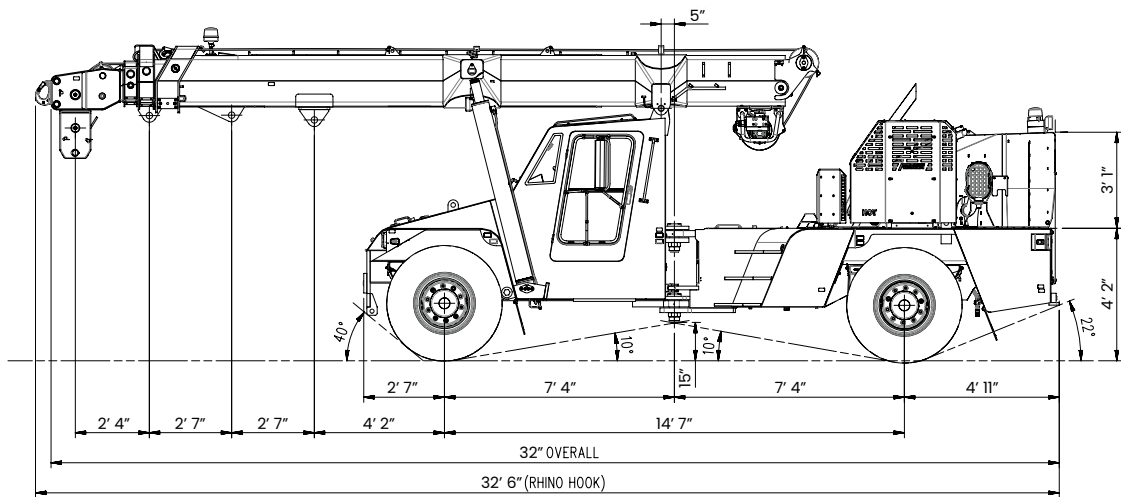
*Refer to www.terex.com/en/company/intellectual-property/franna-patents for current patent details



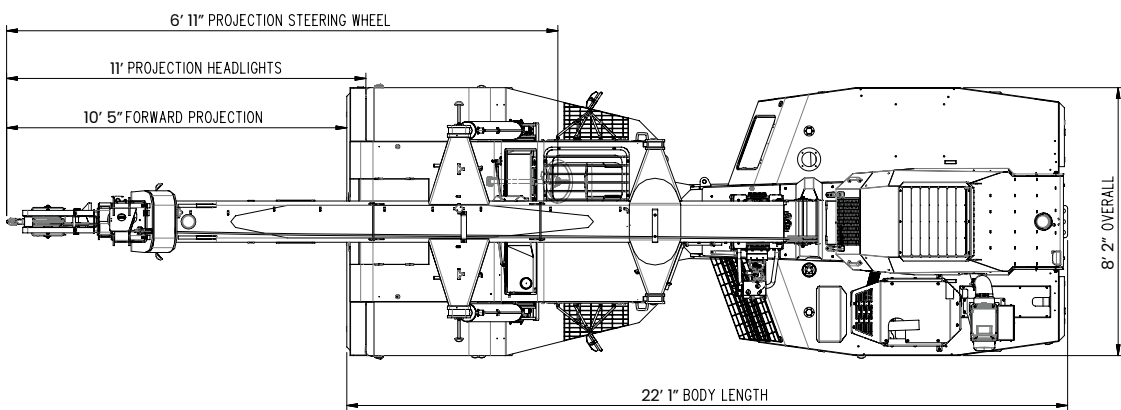
DIMENSIONS / AREA OF OPERATION

RADIUS LOAD CHART

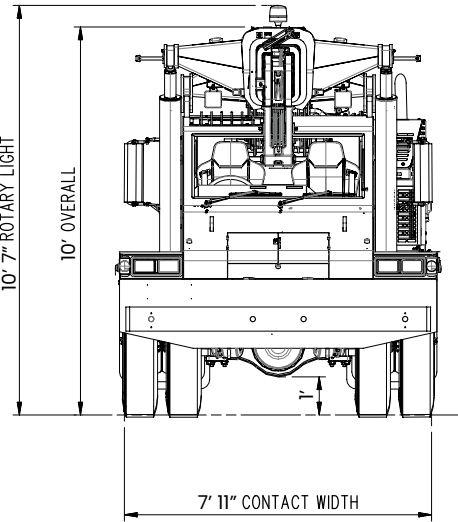
Side view



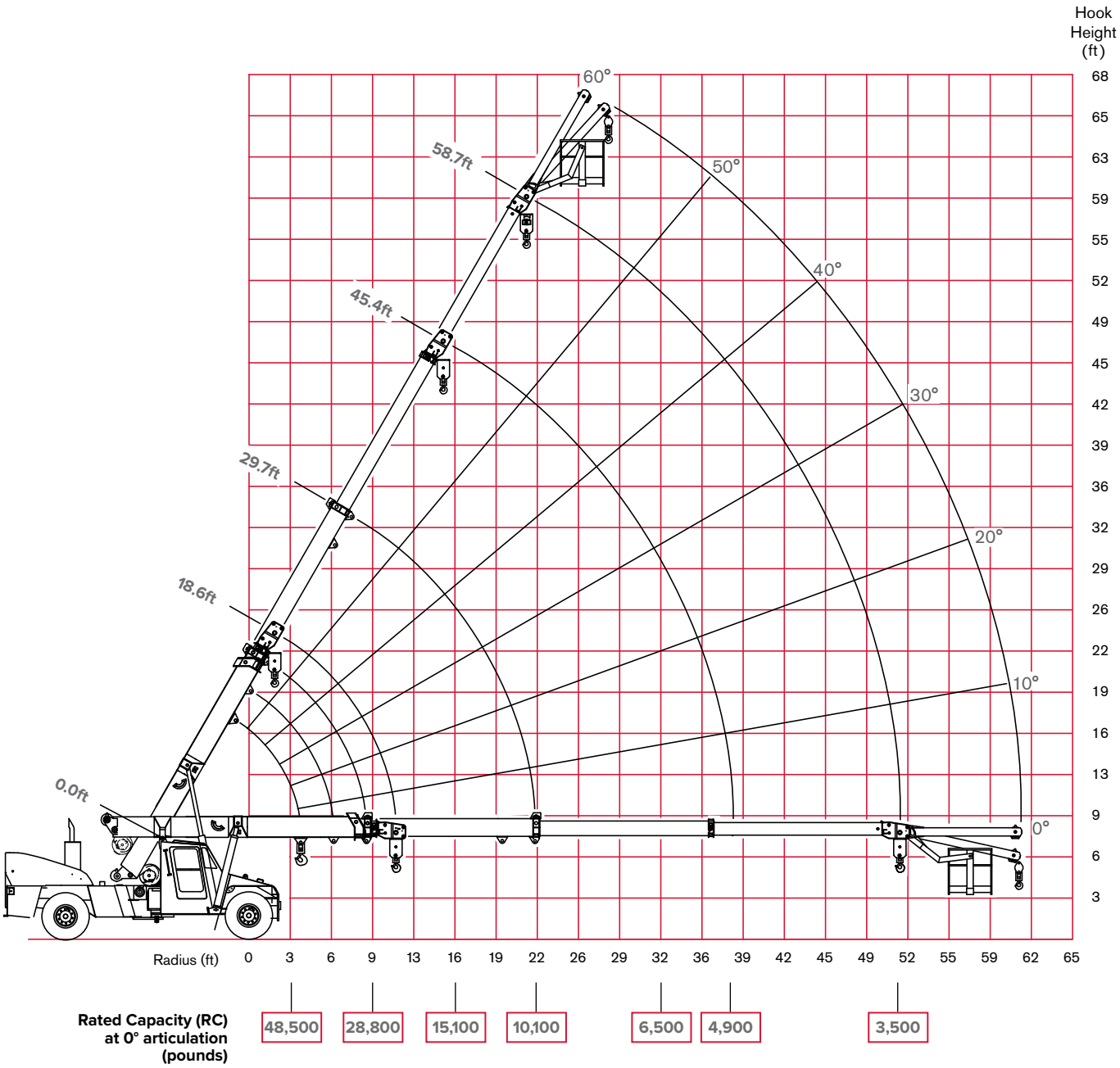
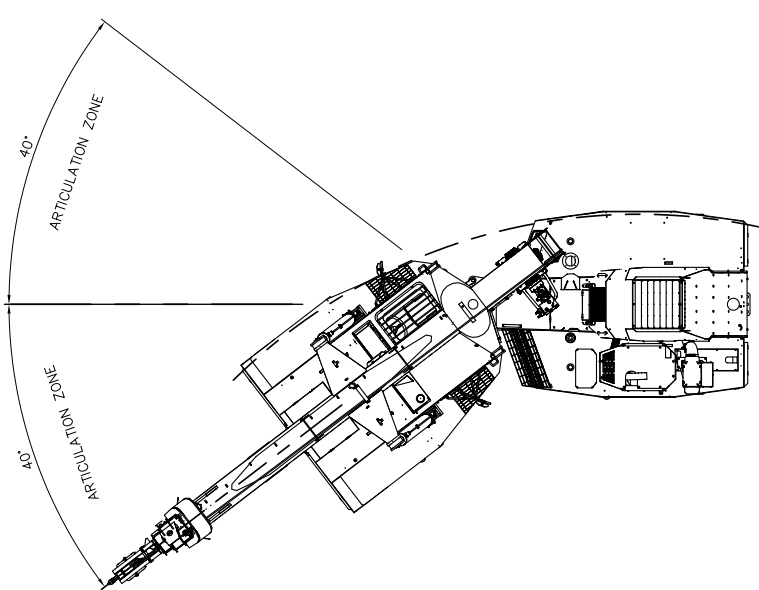
Aerial view



Front View



Area of operation



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

LOAD CHART

LOAD CHART

RATED CAPACITY CHART - FALL BLOCK

COUNTERWEIGHT: NONE
POSITION: N.A.
STANDARD: B30.5

Duty: 001

Rad	BOOM PIVOT TO HEAD SHEAVES - 3rd BOOM RETRACTED													Rad
	18'7"	20'	22'	24'	26'	28'	30'	32'	34'	38'	42'	44'	45'5"	
5'	35200	35000	33300											5'
	35200	35000	33300											
	50	53	57											
7'	35200	35200	35200	33800	32000									7'
	33300	33100	29600	26800	24500									
	42	46	51	54	57									
9'	28800	28800	28700	28700	28600	28600	27400							9'
	27400	27400	27400	27300	27300	27300	26100							
	25400	25400	24300	22200	20400	19000	17700							
	32	37	44	48	52	55	58							
11'	23200	23200	23100	23100	23100	23000	23000	23000	21600					11'
	22100	22100	22000	22000	22000	21900	21900	21600	20000					
	20400	20400	20400	19000	17500	16300	15300	14400	13600					
	17	27	36	42	46	50	53	56	58					
13'	21100	19300	19200	19200	19200	19200	19200	19100	19100	15400				13'
	20100	18300	18300	18300	18300	18300	18200	18200	18200	15400				
	18600	16900	16900	16700	15400	14300	13400	12700	12000	10800				
	0	10	26	34	40	45	48	51	54	58				
15'		18600	16400	16400	16400	16300	16300	16300	16300	14200	12800			15'
		17700	15600	15600	15600	15500	15500	15500	15500	14200	12800			
		16400	14400	14400	13900	12800	12000	11300	10700	9700	8900			
		0	10	25	33	39	43	47	50	55	58			
17'			15900	14200	14200	14200	14200	14100	14100	13100	11900	11400		17'
			15100	13500	13500	13500	13500	13400	13400	13100	11900	11400		
			14000	12400	12400	11700	10900	10200	9700	8800	8000	7700		
			(15'5")	9	24	32	37	42	45	51	55	57		
19'				13800	12500	12500	12500	12400	12400	12200	11100	10600	10300	19'
				13100	11800	11800	11800	11800	11800	11800	11100	10600	10300	
				12100	10900	10900	10000	9400	8800	8000	7300	7000	6800	
				0	9	23	31	36	40	47	52	54	55	
23'					12200	10800	9900	9900	9900	9900	9700	9300	9000	23'
					11500	10200	9400	9400	9400	9400	9300	9300	9000	
					10600	9400	8600	8300	7600	6800	6200	5900	5700	
					(19'5")	0	8	21	29	38	45	47	49	
							9700	8700	8100	8100	8100	8000	7700	27'
							9200	8300	7700	7700	7600	7600	7600	
							8400	7600	7000	6000	5300	5100	4900	
							(23'5")	0	8	27	36	40	42	
											7900	6800	6800	31'
											7500	6400	6400	
											6800	5600	4800	
											(27'5")	7	26	
												6600	5700	35'
												6300	5400	
												5500	4500	
												(31'5")	7	
													5600	38'10"
													5300	
													4400	
													(35'5")	
WINCH RATED CAPACITY														
SINGLE PART				8800										
TWO PARTS				17600										
FOUR PARTS				35200										
UNITS:														
- ANGLES IN DEGREES														
- LENGTHS IN FEET & INCHES														
- LOAD IN POUNDS														

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