

McKAY-UNITED

CRANE HIRE 1300 555 214



Maximum Capacity

40t



Maximum Boom Length

20m

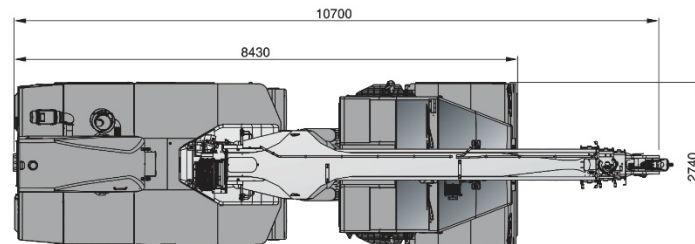
40t FRANNA

Technical Datasheet

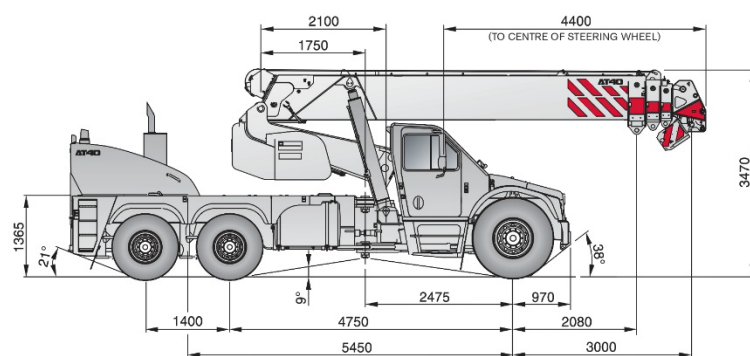
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DIMENSIONS / AREA OF OPERATION

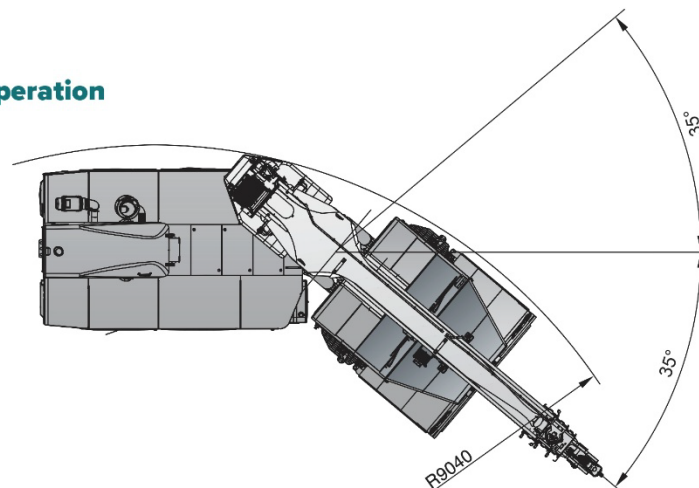
Plan view



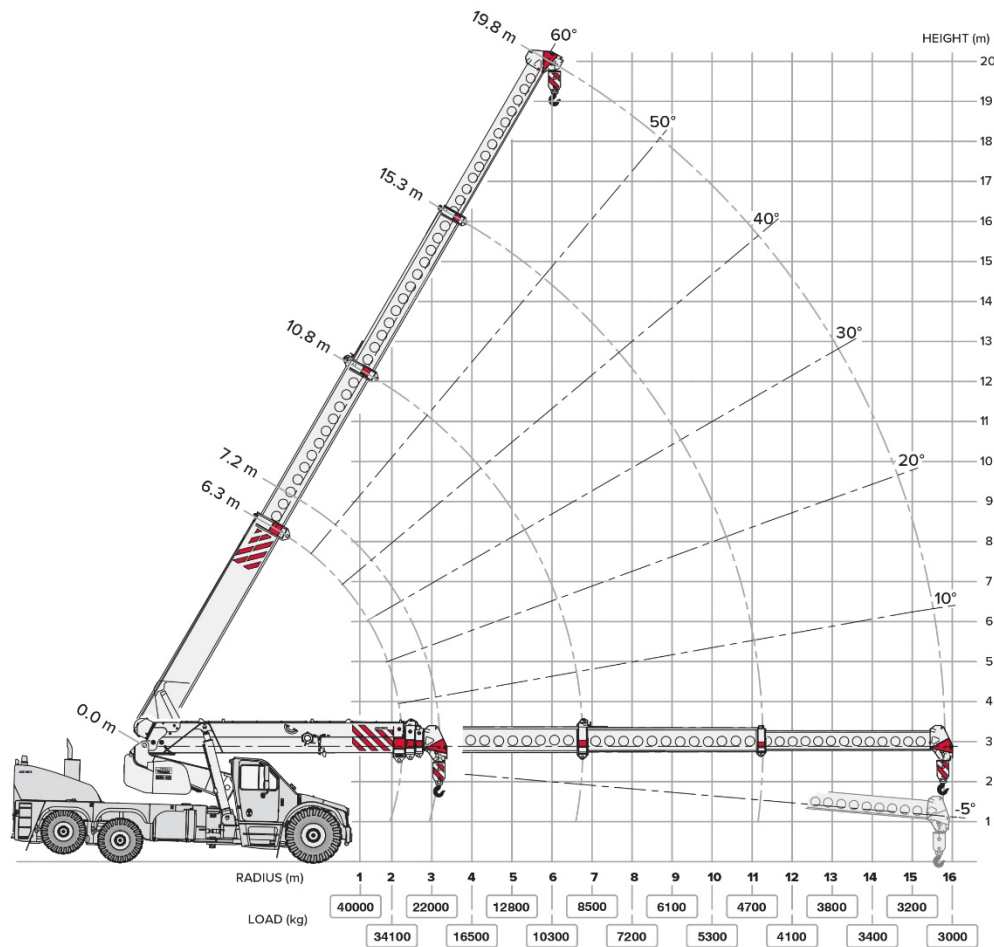
Right hand view



Area of operation



RADIUS LOAD CHART



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

LOAD CHART

RATED CAPACITY CHART STATIC (0 km/hr) - FALL BLOCK

RAD	BOOM LENGTH TO HEAD SHEAVES - 3rd BOOM RETRACTED														3rd BOOM EXTENDING				RAD		
	7.23	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.83				
m	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	m			
1.0	35000	35000	35000	35000	35000	35000												1.0			
	35000	35000	33000	28700	25500	23000															
	47	49	52	55	57	59															
2.0	35000	35000	35000	35000	35000	34900	34300	33700	33100									2.0			
	34400	30800	26100	22900	20500	18500	17000	15600	14500												
	34	37	42	46	49	52	54	56	58												
2.5	30200	30300	30300	30400	30100	29600	29100	28600	28200	27400								2.5			
	29400	29500	29500	29600	29300	25500	22600	20400	18500	15700											
	27800	27900	24300	21100	18800	17000	15600	14400	13400	11700											
3.0	24700	24800	24800	24900	24900	25000	25000	24800	24500	23800	23200							3.0			
	24000	24100	24200	24200	24300	24300	22000	19700	17900	15100	13100										
	22700	22800	22900	19900	17600	15900	14500	13400	12400	10900	9700										
3.5	11	20	29	35	39	43	46	49	51	55	58							3.5			
	23800	21700	20900	21000	21000	21100	21100	21100	21100	21000	20500	20100									
	23200	21100	20400	20400	20500	20500	20500	19300	17400	14700	12700	11200									
4.0	19000	19900	19200	19300	16800	15000	13600	12600	11700	10200	9100	8200						4.0			
	(3.1)	(3.4)	19	28	34	38	42	45	48	52	56	59									
			18600	18000	18100	18100	18200	18200	18200	18200	18000	17600									
5.0			18100	17500	17600	17600	17700	17700	17100	14300	12300	10900	9700					5.0			
			17100	16500	16500	14400	13000	11900	11000	9600	8600	7700	7000								
			(3.9)	19	27	33	37	41	44	49	53	56	59								
6.0			16200	14400	14000	14000	14100	14100	14100	14100	14200	14200	14200	14200	14200			6.0			
			15800	14000	13600	13600	13700	13700	13700	13700	11800	10300	9200	8300	7700						
			14900	13100	12800	12400	11100	10100	8700	7700	6900	6300	5800	5500							
7.0				(4.4)	(4.9)	18	26	31	36	42	47	51	54	57	59			7.0			
						12800	11500	11300	11300	11400	11400	11400	11500	11600	11800						
						12500	11200	11000	11000	11000	11100	10000	8800	7900	7300	6800					
8.0						11700	10500	10300	9800	8200	7100	6300	5700	5300	5000	4800		8.0			
						(5.4)	(5.9)	17	25	34	40	45	49	52	55	58					
								10500	9600	9400	9400	9500	9500	9500	9700	9800	10000				
9.0								10200	9300	9100	9200	9200	8600	7700	7000	6500	5800	9.0			
								9500	8700	8000	6700	5900	5300	4800	4600	4400	4000				
								(6.4)	(6.9)	24	33	39	44	48	51	54	58				
10.0										8100	8000	8000	8000	8100	8200	8300	8500	10.0			
										7800	7700	7700	7800	7500	6900	6300	5600				
										7300	6700	5600	5000	4500	4300	4000	3700				
11.0										(7.9)	23	32	38	42	46	50	54	11.0			
														6900	6800	6900	7300				
														6700	6600	6600	6200				
12.0														6200	5600	4800	3500	12.0			
														(8.9)	22	31	37				
														6000	5900	6000	6400				
13.0														5800	5700	5800	5300	13.0			
														5400	4800	4100	3800				
														(9.9)	21	30	36				
14.0														5300	5200	5400	5600	14.0			
														5100	5100	5200	5300				
														4700	4200	3700	3400				
15.0														(10.9)	21	29	35	15.0			
														4700	4700	4800	5000				
														4500	4600	4700	4800				
15.68														4200	3700	3300	2900	15.68			
														(11.9)	20	28	38				
														4200	4300	4500					
16.83														4100	4200	4300		16.83			
														3800	3400	2800					
														(12.9)	20	32					
17.83														3900	4000			17.83			
														3500	2800						
														(13.9)	26						
18.83														3600				18.83			
														2900							
														17							
19.83														3300				19.83			
														3000							
														0							
														13.00	14.00	15.00	16.00	17.00	18.00	19.83	

WINCH RATED CAPACITY

2 FALLS 8700

4 FALLS 17500

6 FALLS 26200

7 FALLS 30600

8 FALLS 35000

UNITS:

- ANGLES IN DEGREES

- LENGTHS IN METRES

- LOAD IN KILOGRAMS

KEY:

14200 RC @ ARTIC: 0° PITCH: -2.3 ROLL: -1.0

10300 RC @ ARTIC: 20° PITCH: -2.3 ROLL: -3.0

6900 RC @ ARTIC: 35° PITCH: -2.3 ROLL: -3.5

51 BOOM ANGLE

(3.1) RADIUS AT ZERO BOOM ANGLE

Note:

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

WINCH RATED CAPACITY

2	FALLS	8700
4	FALLS	17500
6	FALLS	26200
7	FALLS	30600
8	FALLS	35000

UNITS:

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

KEY:

14200	RC @ ARTIC:	0°	PITCH:	-2.3	ROLL:	-1.0
10300	RC @ ARTIC:	20°	PITCH:	-2.3	ROLL:	-3.0
6900	RC @ ARTIC:	35°	PITCH:	-2.3	ROLL:	-3.5
51	BOOM ANGLE					
(3.1)	RADIUS AT ZERO BOOM ANGLE					

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

LOAD CHART

RATED CAPACITY CHART PICK AND CARRY (0 - 1.44 km/hr) - FALL BLOCK

RAD	BOOM LENGTH TO HEAD SHEAVES - 3rd BOOM RETRACTED														3rd BOOM EXTENDING				RAD
	7.23	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.83		
m	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	m	
1.0	35000	35000	35000	35000	35000	35000												1.0	
	35000	33300	28500	25000	22300	20100													
	47	49	52	55	57	59													
2.0	34100	34200	34200	34300	34300	33600	33000	32300	31800									2.0	
	30600	27400	23300	20500	18300	16600	15200	14000	13000										
	34	37	42	46	49	52	54	56	58										
2.5	26800	26900	26900	27000	27000	27000	27100	27100	27100	26300								2.5	
	26100	26200	26200	26300	25400	22200	19800	17800	16300	13800									
	24700	24800	21900	19100	17000	15400	14100	13000	12100	10600									
3.0	22000	22000	22100	22100	22200	22200	22200	22200	22200	22300	22300							3.0	
	21400	21400	21500	21500	21600	21600	19400	17400	15800	13400	11600								
	20200	20200	20300	18200	16000	14400	13200	12200	11300	9900	8800								
3.5	21200	19300	18600	18600	18700	18700	18700	18800	18800	18800	18800	18800						3.5	
	20600	18800	18100	18100	18200	18200	18200	17100	15500	13000	11300	9900							
	19500	17700	17100	17100	15400	13800	12500	11500	10600	9300	8300	7400							
4.0	(3.1)	(3.4)	19	28	34	38	42	45	48	52	56	59						4.0	
			16500	16000	16100	16100	16100	16200	16200	16200	16200	16200	16200						
			16100	15600	15600	15700	15700	15700	15300	12800	11000	9700	8600						
5.0			15200	14700	14800	13300	12000	10900	10100	8800	7800	7000	6400					5.0	
			(3.9)	19	27	33	37	41	44	49	53	56	59						
				14400	12800	12400	12500	12500	12500	12500	12600	12600	12600	12600	12600	12600	12600		
6.0			14000	12400	12100	12100	12100	12200	12200	10600	9300	8200	7400	6800				6.0	
			13200	11700	11400	11400	10300	9400	8000	7100	6300	5700	5300	5000					
			(4.4)	(4.9)	18	26	31	36	42	47	51	54	57	59					
7.0									11400	10300	10000	10100	10100	10100	10200	10200	10400	7.0	
									11100	10000	9800	9800	9800	9800	9000	7900	7100		
									10400	9400	9200	9200	7600	6600	5800	5200	4800		
8.0									(5.4)	(5.9)	17	25	34	40	45	49	52	8.0	
									9300	8500	8400	8400	8400	8400	8500	8600	8700		
									9000	8200	8100	8100	8200	7800	6900	6300	5900		
9.0									8500	7700	7500	6300	5500	4900	4400	4200	4000	9.0	
									(6.4)	(6.9)	24	33	39	44	48	51	54		
											7200	7100	7100	7100	7200	7300	7400		
10.0									6900	6900	6900	6900	6900	6900	6800	6200	5700	10.0	
									6500	6300	5200	4600	4100	3900	3700	3500	3200		
									(7.9)	23	32	38	42	46	50	54			
11.0									6100	6100	6100	6100	6100	6100	6100	6300	6400	11.0	
									5900	5900	5900	5900	5900	5900	6100	5600	4900		
									5500	5300	4400	3900	3700	3500	3200				
12.0									(8.9)	22	31	37	41	45	51			12.0	
									5300	5300	5300	5400	5500	5700					
									5200	5100	5100	5300	5400	4800					
13.0									(9.9)	21	30	36	40	47				13.0	
									4800	4500	3800	3500	3300	3000					
									4700	4700	4800	4900	5000						
14.0									4500	4500	4600	4700	4800					14.0	
									4200	3900	3400	3200	2800						
									(10.9)	21	29	35	42						
15.0										4100	4200	4300	4500					15.0	
										4000	4100	4200	4300						
										3700	3500	3100	2700						
15.68										(11.9)	20	28	38					15.68	
										3800	3800	4000							
										3600	3700	3800							
16.0										3400	3200	2600						16.0	
										(12.9)	20	32							
										3400	3600								
17.0										3100	2600							17.0	
										(13.9)	26								
										3200									
18.0										2700								18.0	
										17									
										3000									
19.83										2600								19.83	
										0									
										13.00	14.00	15.00	16.00	17.00	18.00	19.83			

WINCH RATED CAPACITY

2 FALLS 8700

4 FALLS 17500

6 FALLS 26200

7 FALLS 30600

8 FALLS 35000

UNITS:

- ANGLES IN DEGREES

- LENGTHS IN METRES

- LOAD IN KILOGRAMS

KEY:

12600 RC @ ARTIC: 0° PITCH: -2.3 ROLL: -1.0

9300 RC @ ARTIC: 20° PITCH: -2.3 ROLL: -3.0

6300 RC @ ARTIC: 35° PITCH: -2.3 ROLL: -3.5

51 BOOM ANGLE

(3.1) RADIUS AT ZERO BOOM ANGLE

Note:

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

WINCH RATED CAPACITY

2	FALLS	8700
4	FALLS	17500
6	FALLS	26200
7	FALLS	30600
8	FALLS	35000

UNITS:

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

KEY:

12600	RC @ ARTIC:	0°	PITCH:	-2.3	ROLL:	-1.0
9300	RC @ ARTIC:	20°	PITCH:	-2.3	ROLL:	-3.0
6300	RC @ ARTIC:	35°	PITCH:	-2.3	ROLL:	-3.5
51	BOOM ANGLE					
(3.1)	RADIUS AT ZERO BOOM ANGLE					

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