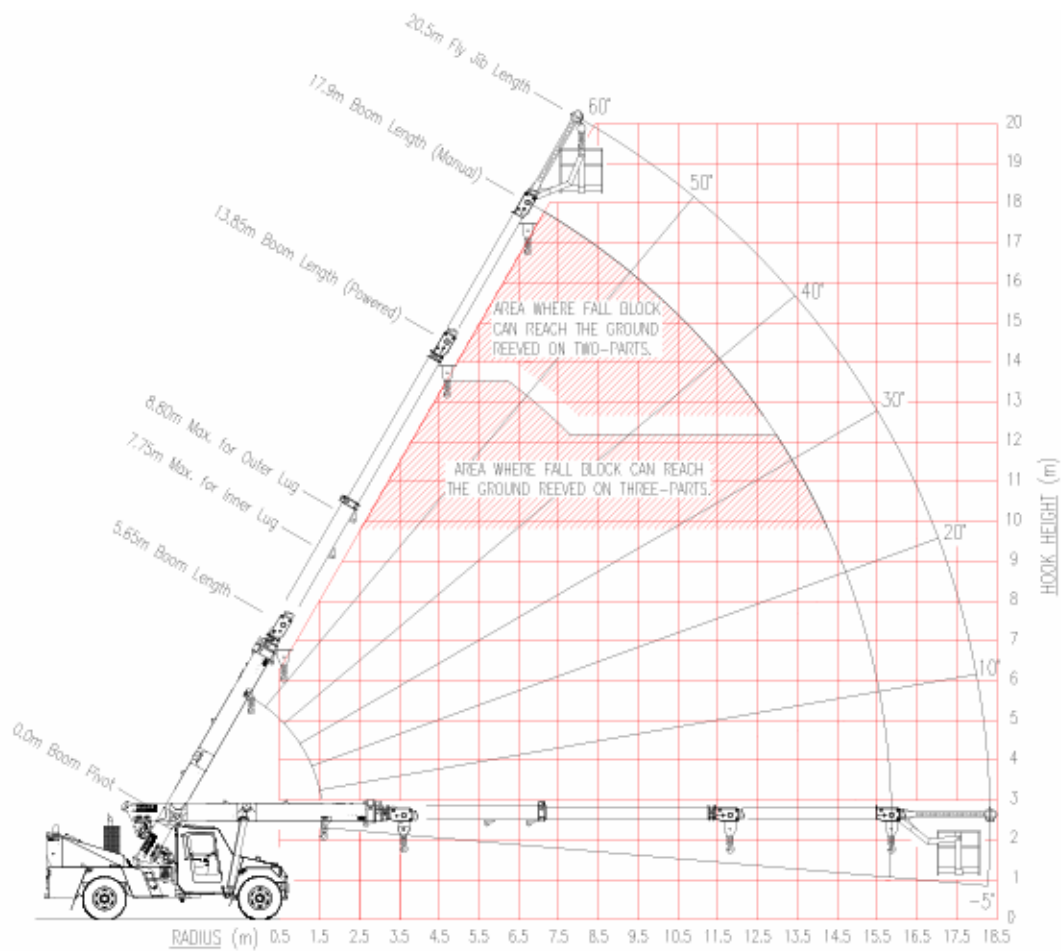




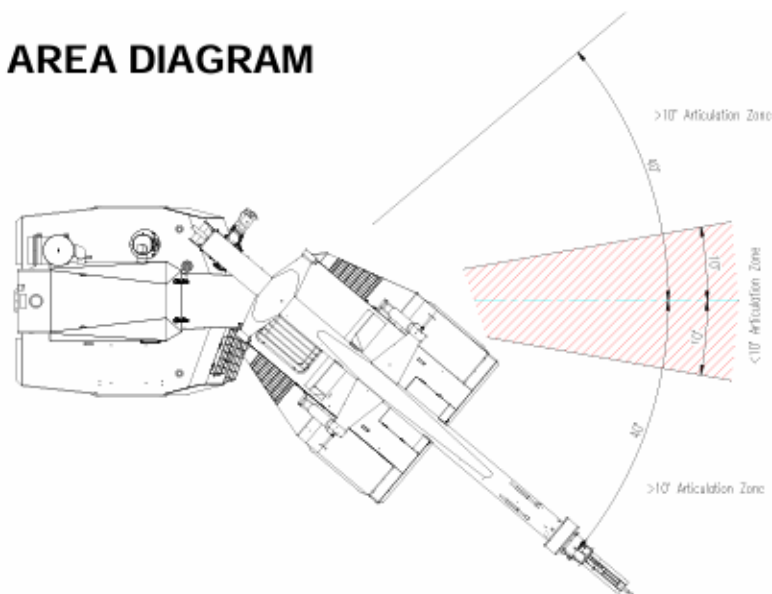
AT-15 SERIES III
OPERATORS MANUAL
Part Number: T1716340



RANGE DIAGRAM AT-15 SHOWING ALL LIFTING CONFIGURATIONS

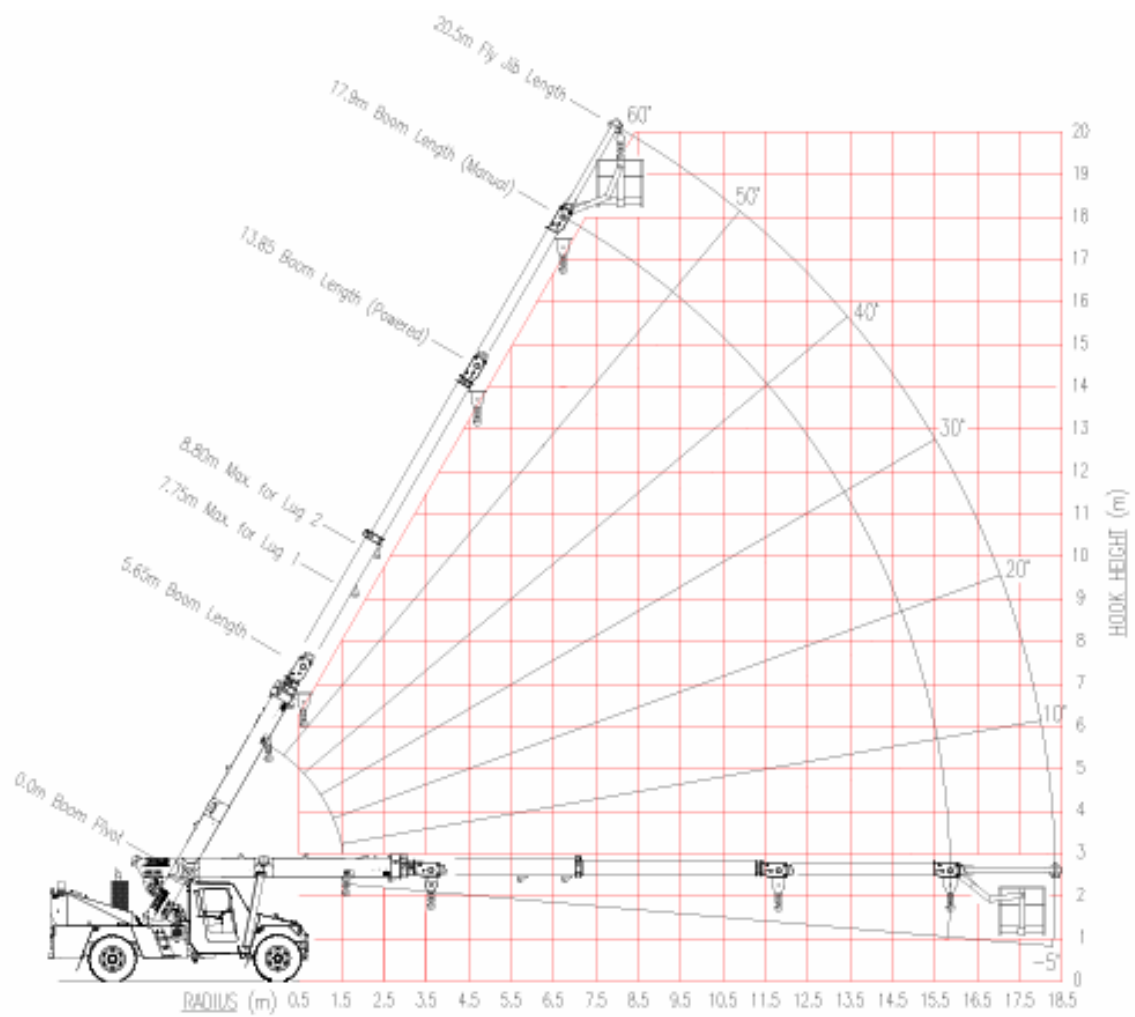


WORKING AREA DIAGRAM



RANGE DIAGRAM AT-15 SERIES II / III

SHOWING ALL LIFT CONFIGURATIONS



LMI Duty Lifting on WINCH

01

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

Weight of slings & hook block to be added to load
Read and understand warning notes before operating crane
Loads above bold red line are structural

RADIUS	BOOM LENGTH (m)																
	5.66	6.00	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	13.86
1.6	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500
2.0	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500
2.5	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500
3.0	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500
3.5	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500
4.0	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500
4.5	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500
5.0	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500
6.0	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500
7.0	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500
8.0	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500
9.0	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500
10.0	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500
11.0	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500
11.81	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500

	RC (KG) LESS THAN 10 DEG ARTICULATION
	RC (KG) GREATER THAN 10 DEG ARTICULATION
	BOOM ANGLE

Weight of slings & hook block to be added to load
Read and understand warning notes before operating crane
Loads above bold red line are structural

MANUAL EXT'N	
MAX LENGTH 17.91	
MAX RADIUS	RC
	1850
6.72	1850
	60
	1600
9.29	1600
	50
	1300
11.53	1300
	40
	1150
13.35	1150
	30
	1050
14.70	1050
	20
	1050
15.54	950
	10
	1050
15.86	950
	0

NOTE :

17.9m Boom length includes Manual 3rd extension.
 Ratings for Manual extension are structural & based
 on Boom Angle, not radius. The ratings do not
 change if the power sections are retracted with the
 manual extended.

Weight of slings & hook block to be added to load
Read and understand warning notes before operating crane
Loads above bold red line are structural

RADIUS	BOOM LENGTH (m)																	
	5.95	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	14.15
1.6	8000	8000	8000	8000														
	8000	8000	8000	8000														
2.0	50	54	57	59														
	8000	8000	8000	8000	8000	8000												
2.5	45	50	53	56	58	60												
	8000	8000	8000	8000	8000	8000	8000	8000										
3.0	38	44	48	51	54	56	58	60										
	7750	8000	8000	8000	8000	8000	8000	8000	8000	7950								
3.5	7650	7650	7650	7650	7600	7600	7600	7600	7600	7600								
	30	37	42	46	49	52	55	57	59	60	6300	5700						
4.0	6450	6450	6450	6450	6450	6450	6400	6400	6400	6400	6300	5700						
	19	30	36	41	45	48	51	53	55	57	59	60						
4.5	6400	6250	6250	6250	6250	6250	6200	6200	6200	6200	6200	5300	5050	4850				
	5700	5550	5550	5550	5550	5550	5550	5500	5500	5500	5500	5300	5050	4850				
5.0	(3.90)	20	29	35	39	43	46	49	52	54	56	57	59	60				
	5500	5450	5450	5450	5450	5450	5450	5450	5450	5450	5450	4950	4700	4550	4350	4200		
5.5	4900	4850	4850	4850	4850	4850	4850	4850	4800	4800	4800	4800	4700	4550	4350	4200		
	(4.45)	19	28	34	38	42	45	48	50	52	54	56	57	59	60			
6.0	4900	4850	4850	4850	4850	4850	4850	4850	4800	4800	4800	4600	4400	4250	4100	3950	3800	3750
	4300	4300	4300	4300	4300	4300	4300	4250	4250	4250	4250	4250	4250	4250	4100	3950	3800	3750
6.5	(4.95)	19	27	33	37	41	44	47	49	51	53	55	56	58	59	59		
	4350	3950	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3750	3600	3500	3200	3200
7.0	3850	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450	3400	3400	3400	3400	3400	3200	3200
	(5.45)	17	25	31	35	39	42	45	47	49	51	53	54	54	54	55		
7.5	3550	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3200	3100	3000	2900	2850		
	3150	2850	2850	2850	2850	2850	2850	2850	2850	2850	2850	2800	2800	2800	2800	2800		
8.0	(6.45)	17	25	31	35	39	42	45	47	49	51	53	55	56	58	59	59	
	3000	2750	2750	2750	2750	2750	2750	2750	2750	2750	2750	2700	2700	2700	2700	2600	2550	
8.5	2600	2400	2400	2400	2400													

	RC (KG) LESS THAN 10 DEG ARTICULATION
	RC (KG) GREATER THAN 10 DEG ARTICULATION
	BOOM ANGLE

Weight of slings & hook block to be added to load
Read and understand warning notes before operating crane
Loads above bold red line are structural

MANUAL EXT'N	
MAX LENGTH 18.20	
MAX RADIUS	RC
7.01	1750
	1750
	60
9.58	1500
	1500
	50
11.82	1200
	1200
	40
13.64	1050
	1050
	30
14.99	1000
	1000
	20
15.83	1000
	950
	10
16.15	1000
	900
	0

NOTE :

18.2m Boom length includes Manual 3rd extension.
 Ratings for Manual extension are structural & based
 on Boom Angle, not radius. The ratings do not
 change if the power sections are retracted with the
 manual extended.

LMI Duty
Lifting on FLYJIB
MANUAL RETRACTED

05

FLYJIB	
MAX LENGTH 16.46	
MAX RADIUS	RC
6.04	750
	750
	60
8.40	700
	700
	50
10.44	650
	650
	40
12.11	600
	600
	30
13.35	550
	550
	20
14.13	500
	500
	10
14.41	500
	500
	0

	RC (KG) LESS THAN 10 DEG ARTICULATION
	RC (KG) GREATER THAN 10 DEG ARTICULATION
	BOOM ANGLE

*Weight of slings & hook block to be added to load
Read and understand warning notes before
operating crane
Loads above bold red line are structural*

NOTE :

16.46m Boom length includes Flyjib.
Ratings for Flyjib are structural & based
on Boom Angle, not radius. The ratings do not
change if the power sections are retracted with
the Flyjib installed.

LMI Duty
Lifting on FLYJIB
MANUAL EXTENDED

06

MANUAL EXT'N	
MAX LENGTH 20.51	
MAX RADIUS	RC
8.07	750
	750
	60
11.00	700
	700
	50
13.54	650
	650
	40
15.62	600
	600
	30
17.15	550
	550
	20
18.11	500
	500
	10
18.46	500
	500
	0

	RC (KG) LESS THAN 10 DEG ARTICULATION
	RC (KG) GREATER THAN 10 DEG ARTICULATION
	BOOM ANGLE

*Weight of slings & hook block to be added to load
Read and understand warning notes before
operating crane
Loads above bold red line are structural*

NOTE :

20.51m Boom length includes Manual 3rd extension
& Flyjib. Ratings for Flyjib are structural & based
on Boom Angle, not radius. The ratings do not
change if the power sections are retracted with
the manual extended.

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

[illegible]

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

[illegible]

LMI Duty
Lifting in MANBASKET
MANUAL RETRACTED

12

MAXIMUM MANBASKET RC: 275 KG (SEE NOTE BELOW)
BASKET WEIGHT: 225 KG

*Read and understand warning notes before
operating crane*

NOTE:

**THE TOTAL WEIGHT OF THE MANBASKET PLUS
MEN AND EQUIPMENT IS NOT TO EXCEED 1/3 OF
THE SAFE WORKING LOAD AS READ ON LOAD
CHART (LIFTING ON THE WINCH - DUTY 01) FOR
THE BOOM LENGTH AND RADIUS BEING USED.**

LMI Duty
Lifting in MANBASKET
MANUAL EXTENDED

13

MANUAL EXT'N	
MAX LENGTH 17.91	
MAX RADIUS	RC
7.98	275
	275
	60
10.71	275
	275
	50
13.05	205
	205
	40
14.93	155
	155
	30
16.30	125
	125
	20
17.11	125
	90
	10
17.34	125
	90
	0

	RC (KG) LESS THAN 10 DEG ARTICULATION
	RC (KG) GREATER THAN 10 DEG ARTICULATION
	BOOM ANGLE

*Read and understand warning notes before
operating crane*
Loads above bold red line are structural

NOTE :

17.91m Boom length includes Manual 3rd extension but not Manbasket. Ratings for Manbasket are structural & based on Boom Angle, not radius. The ratings do not change if the power sections are retracted with the manual extended.

