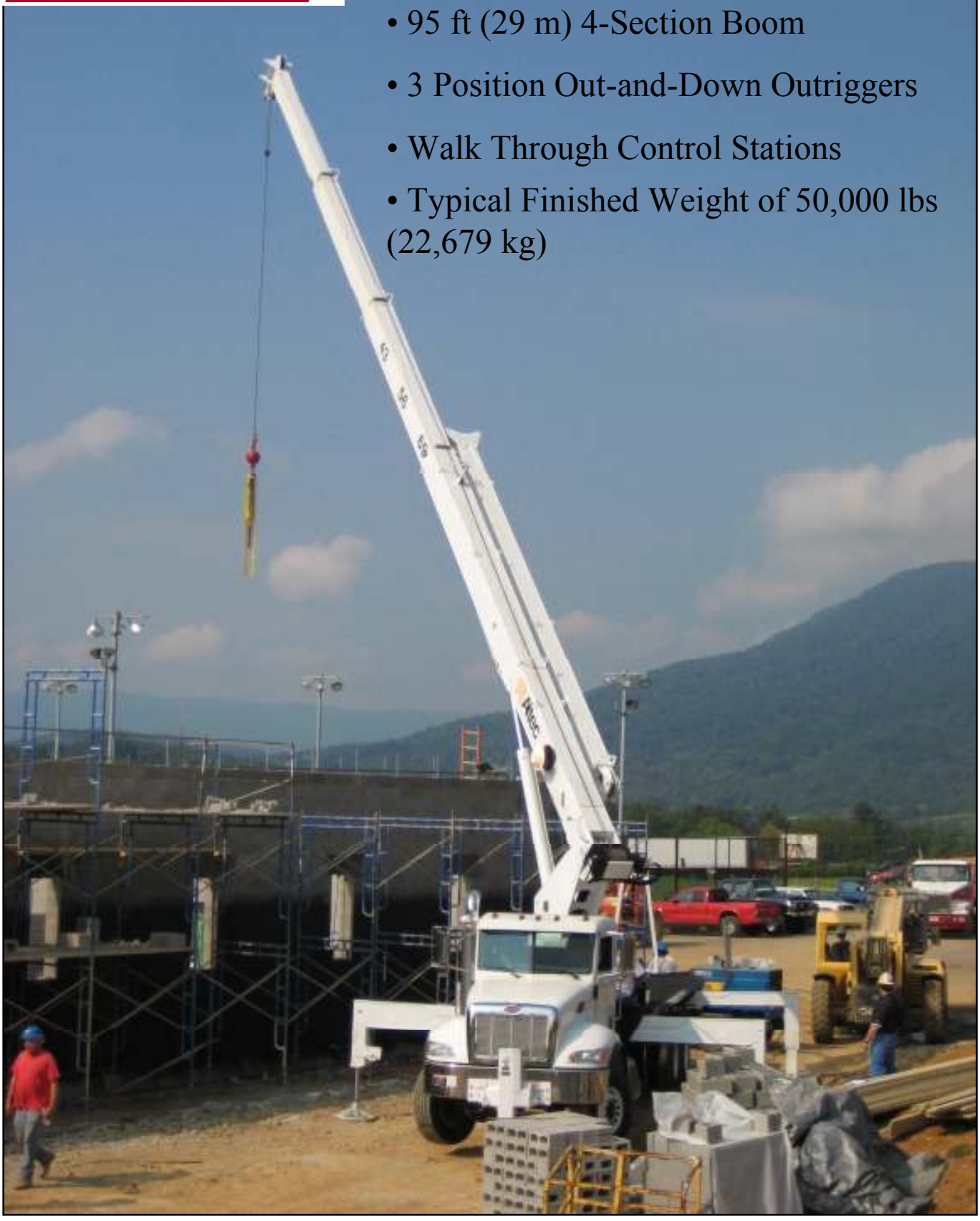
ALTEC AC25-95B
Hydraulic Telescopic Crane

GUAY

- 25 ton (22t) Maximum Lifting Capacity
- 95 ft (29 m) 4-Section Boom
- 3 Position Out-and-Down Outriggers
- Walk Through Control Stations
- Typical Finished Weight of 50,000 lbs (22,679 kg)



ALTEC AC25-95B SPECIFICATIONS

Altec LMAP System

RECOMMENDED FEATURES

- Wheel Chocks
- Outrigger Pads
- Fall Protection System (with Platform)
- Radio Remote Control (with Platform)
- Platform Test Lift Package (with Platform)

OPTIONS

- 1-Piece 26 ft (7.9 m) Jib
- 2-Piece 44 ft (13.4 m) jib, 26 ft (13.4 m) Retracted
- 2-Man Steel Platform
- 370 Degree Non-Continuous Rotation
- Continuous Rotation
- 12,000 lb (5,443 kg) 2 Speed Winch
- Hydraulic Tool Circuit at Tail Shelf
- Hydraulic Tool Circuit at Boom Tip
- Rotation Resistant Wire Rope
- Winch Control at Load Hook Stow Point
- Hydraulic Oil Cooling System

STANDARD SAFETY FEATURES

- LMAP (Load Moment & Area Protection) System
  - Rated Capacity Limiter
  - Displays: Boom Length, Boom Angle, Load on Hook, Percent of Rated Capacity
  - Electronic Working Area Definition
  - Operator Defined Audible Alarm Set-Points for Boom Angle, Length and Rotational Position
- Outrigger Boom Interlock System
- Outrigger Motion Alarm• Back-Up Alarm
- Emergency Stop at Operator Controls
- Winch Drum Rotation Indicator
- Anti-Two Block Device
- Front Bumper Outrigger
- Walk-Through Control Stations

CRANE SPECIFICATIONS

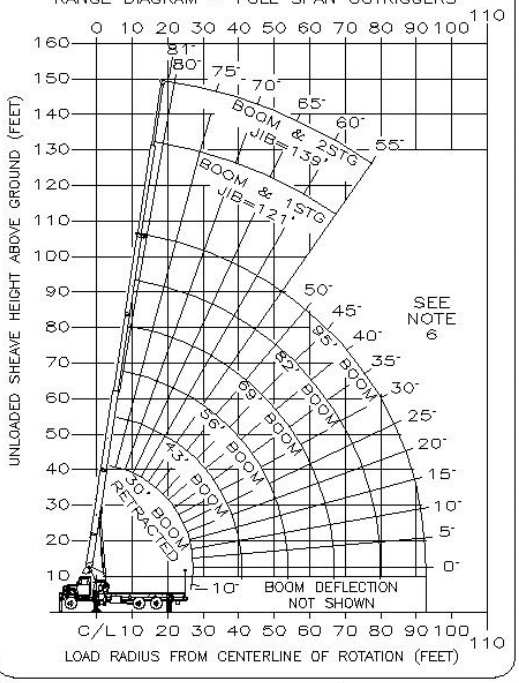
- 50,000 lb (22,679 kg) Maximum Lifting Capacity
- 95 ft (29 m) 4-Section Boom
- 105 ft (32 m) Maximum Sheave Height
- Stowed Travel Height of 13.25 ft (4.04 m)
- Vehicle Travel Length of 39.9 ft (12.1 m)
- 3 Position Out-and-Down Outriggers
- Full Span 18.5 ft (5.6 m)
- Mid Span 14 ft (4.3 m)
- Short Span 9 ft (2.7 m)
- Hydraulic Pilot-Operated Control System
- 12,000 lb (5,443 kg) Winch w/ Burst of Speed

UNIT		RECOMMENDED CHASSIS DIM				MINIMUM RECOMMENDED CHASSIS				
Model	Rear Axle	CT (in)	WB (in)	AF (in)	AS (in)	Front Axle Rating (lbs)	Rear Axle Rating (lbs)	GVWR (lbs)	Frame Sec Modulus (in^3)	Frame RBM (in-lb)
AC25	Tandem	193	262	127	54	16,000	34,000	50,000	21.4	2,354,000

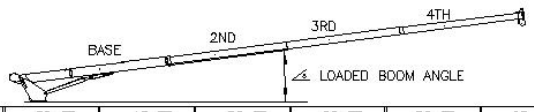
ALTEC AC25-95B CAPACITIES

Altec Industries Inc. MODEL: AC25-95B

RANGE DIAGRAM – FULL SPAN OUTRIGGERS



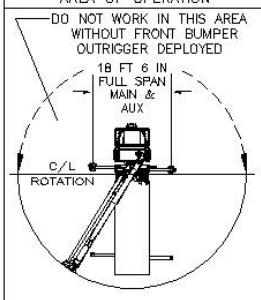
BOOM LOAD CAPACITIES IN LBS. WITH FULL SPAN OUTRIGGERS



LOAD RADIUS (FT)	30 FT BOOM ∠	30 FT BOOM LBS	43 FT BOOM ∠	43 FT BOOM LBS	56 FT BOOM ∠	56 FT BOOM LBS	69 FT BOOM ∠	69 FT BOOM LBS	82 FT BOOM ∠	82 FT BOOM LBS	95 FT BOOM ∠	95 FT BOOM LBS
5	77	50000										
8	71	36800	77	17600								
10	66	30900	74	17800	78	17500						
12	62	26100	71	18000	76	17600						
14	57	22200	68	18200	74	17700	78	17400				
16	52	19100	65	18500	72	17900	76	16100	79	13900		
18	47	17600	62	18000	70	18100	75	14900	78	12900	80	10000
20	41	15400	59	15800	68	16000	73	13900	76	12000	79	10000
25	19	11400	51	11900	62	12100	68	11600	73	10100	76	8800
30			42	9300	56	9500	64	9700	69	8300	73	7600
35			30	7400	49	7600	59	7800	65	7000	70	6400
40					42	6100	54	6250	61	6100	68	5500
45					33	4800	48	4950	57	5050	63	4800
50					20	3800	42	4000	52	4100	59	4150
55							35	3200	47	3300	55	3400
60							26	2600	42	2700	51	2750
65							11	2100	36	2200	47	2250
70									29	1750	42	1850
75									20	1400	37	1500
80											32	1150
85											24	900
90											14	675
	0	8000	0	4900	0	3100	0	2000	0	1150	0	575 ⇦ 0° BOOM CAPACITIES
		825		550		425		350		300		250 ⇦ STOWED JIB LOAD DEDUCTIONS

NOTE: RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY

AREA OF OPERATION



360° CAPACITY WORKING AREA AVAILABLE ONLY WITH FRONT BUMPER OUTRIGGER

DEDUCTIONS FROM RATED LOADS FOR HANDLING DEVICES

OVERHAUL BALL: 180 LBS

1-SHEAVE LOADBLOCK: 230 LBS

2-SHEAVE LOADBLOCK: 365 LBS

DEPLOYED JIB LOAD CAPACITIES (LBS) FOR ALL BOOM LENGTHS
JIB CAPACITIES ARE FOR FULL SPAN OUTRIGGERS (18 FT 6 IN CENTER TO CENTER)

LOADED BOOM ANGLE	55° ✳	60°	65°	70°	75°	80°
RETRACTED 26 FT JIB	775	1450	2250	3100	4100	4100
EXTENDED 44 FT JIB	550	1125	1550	2050	2550	2550

✳DO NOT OPERATE JIB BELOW THIS ANGLE UNLESS BOOM IS FULLY RETRACTED. SEE NOTE 6.

OPERATOR AIDS MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO OWNERS MANUAL.

KEEP AT LEAST 3 WRAPS OF LOADLINE ON DRUM AT ALL TIMES.

USE ONLY 9/16" (1.47 cm) DIAMETER IWRC OR ROTATION RESISTANT WIRE ROPE WITH 37,000 LBS (16,782 KG) MIN. BREAKING STRENGTH ON THIS MACHINE.

	1 PART LOAD LINE	2 PART LOAD LINE	3 PART LOAD LINE	4 PART LOAD LINE	5 PART LOAD LINE	6 PART LOAD LINE
						
	LOADS UP TO	LOADS UP TO	LOADS UP TO	LOADS UP TO	LOADS UP TO	LOADS UP TO
IWRC XXIP WIRE ROPE (LBS)	10,571 lbs	21,142 lbs	31,713 lbs	42,284 lbs	52,855 lbs	60,000 lbs
IWRC XXIP WIRE ROPE (KG)	4,795 kg	9,590 kg	14,385 kg	19,180 kg	23,975 kg	27,216 kg
ROTATION RESISTANT WIRE ROPE (LBS)	7,400 lbs	14,800 lbs	22,200 lbs	29,600 lbs	37,000 lbs	44,400 lbs
ROTATION RESISTANT WIRE ROPE (KG)	3,356 kg	6,713 kg	10,069 kg	13,426 kg	16,783 kg	20,140 kg
MAXIMUM BOOM LENGTH AT MAXIMUM ELEVATION WITH RIGGING SHOWN TO REACH THE GROUND (FT)	103 FT BOOM + 44 FT JIB	103 FT BOOM	74 FT BOOM	56 FT BOOM	45 FT BOOM	37 FT BOOM
MAXIMUM BOOM LENGTH AT MAXIMUM ELEVATION WITH RIGGING SHOWN TO REACH THE GROUND (M)	32 m BOOM + 13 m JIB	32 m BOOM	23 m BOOM	17 m BOOM	13 m BOOM	11 m BOOM
WINCH	LIFTS AND SPEEDS (ENGLISH UNITS)					
9/16" (1.4cm) DIAMETER IWRC XXIP CABLE SUPPLIED — STANDARD PLANETARY WINCH HIGH SPEED	4,620 LBS. 249 FT/MIN	9,240 LBS. 124 FT/MIN	13,860 LBS. 83 FT/MIN	18,480 LBS. 62 FT/MIN	23,100 LBS. 50 FT/MIN	27,720 LBS. 42 FT/MIN
9/16" (1.4cm) DIAMETER IWRC XXIP CABLE SUPPLIED — STANDARD PLANETARY WINCH LOW SPEED	9,880 LBS. 115 FT/MIN	19,760 LBS. 58 FT/MIN	29,640 LBS. 38 FT/MIN	39,520 LBS. 29 FT/MIN	49,400 LBS. 23 FT/MIN	59,280 LBS. 19 FT/MIN
WINCH	LIFTS AND SPEEDS (METRIC UNITS)					
9/16" (1.4cm) DIAMETER IWRC XXIP CABLE SUPPLIED — STANDARD PLANETARY WINCH HIGH SPEED	2,096 kg 1.26 m/s	4,272 kg .63 m/s	6,287 kg .42 m/s	8,382 kg .37 m/s	10,477 kg .254 m/s	12,573 kg .21 m/s
9/16" (1.4cm) DIAMETER IWRC XXIP CABLE SUPPLIED — STANDARD PLANETARY WINCH LOW SPEED	4,481 kg .58 m/s	8,963 kg .30 m/s	13,444 kg .19 m/s	17,925 kg .15 m/s	22,407 kg .12 m/s	26,888 kg .09 m/s

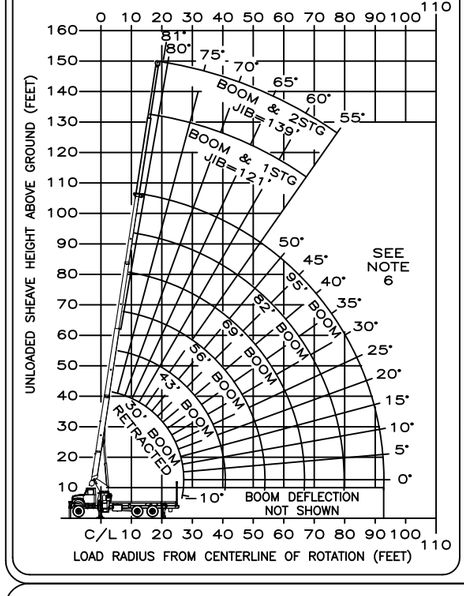
ALL WINCH PULLS AND SPEEDS IN THIS CHART ARE SHOWN ON THE 3RD LAYER. WINCH LINE PULLS WOULD INCREASE ON THE FIRST AND SECOND LAYERS. WINCH LINE SPEED WOULD DECREASE ON THE FIRST AND SECOND LAYERS. WINCH LINE PULLS MAY BE LIMITED BY THE WINCH CAPACITY OF 8,390 LBS (3,806 KG) FULL DRUM OR ANSI CABLE SAFETY LIMITS SHOWN IN CHART FOR IWRC XXIP AND ROTATION RESISTANT WIRE ROPES.

WINCH SPECIFICATIONS

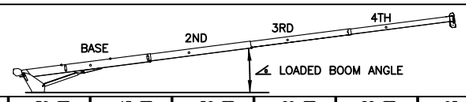
REV 'A' CHART

Altec Industries Inc. MODEL: AC25-95B

RANGE DIAGRAM – FULL SPAN OUTRIGGERS

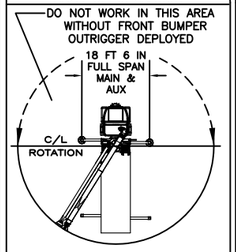


BOOM LOAD CAPACITIES IN LBS. WITH FULL SPAN OUTRIGGERS



LOAD RADIUS (FT)	30 FT BOOM ∠	30 FT BOOM LBS	43 FT BOOM ∠	43 FT BOOM LBS	56 FT BOOM ∠	56 FT BOOM LBS	69 FT BOOM ∠	69 FT BOOM LBS	82 FT BOOM ∠	82 FT BOOM LBS	95 FT BOOM ∠	95 FT BOOM LBS
5	77	50000										
8	71	36800	77	17600								
10	66	30900	74	17800	78	17500						
12	62	26100	71	18000	76	17600						
14	57	22200	68	18200	74	17700	78	17400				
16	52	19100	65	18500	72	17900	76	16100	79	13900		
18	47	17600	62	18000	70	18100	75	14900	78	12900	80	10000
20	41	15400	59	15800	68	16000	73	13900	76	12000	79	10000
25	19	11400	51	11900	62	12100	68	11600	73	10100	76	8800
30			42	9300	56	9500	64	9700	69	8300	73	7600
35			30	7400	49	7600	59	7800	65	7000	70	6400
40					42	6100	54	6250	61	6100	66	5500
45					33	4800	48	4950	57	5050	63	4800
50					20	3800	42	4000	52	4100	59	4150
55							35	3200	47	3300	55	3400
60							26	2600	42	2700	51	2750
65	NOTE: RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY						11	2100	36	2200	47	2250
70									29	1750	42	1850
75									20	1400	37	1500
80											32	1150
85											24	900
90											14	675
	0	8000	0	4900	0	3100	0	2000	0	1150	0	575 ⇦ 0° BOOM CAPACITIES
		825		550		425		350		300		250 ⇦ STOWED JIB LOAD DEDUCTIONS

AREA OF OPERATION



DEDUCTIONS FROM RATED LOADS FOR HANDLING DEVICES

OVERHAUL BALL: 180 LBS

1-SHEAVE LOADBLOCK: 230 LBS

2-SHEAVE LOADBLOCK: 365 LBS

DEPLOYED JIB LOAD CAPACITIES (LBS) FOR ALL BOOM LENGTHS
JIB CAPACITIES ARE FOR FULL SPAN OUTRIGGERS (18 FT 6 IN CENTER TO CENTER)

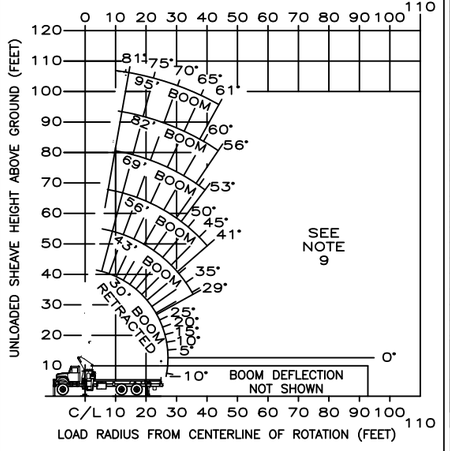
LOADED BOOM ANGLE	55° ✳	60°	65°	70°	75°	80°
RETRACTED 26 FT JIB	775	1450	2250	3100	4100	4100
EXTENDED 44 FT JIB	550	1125	1550	2050	2550	2550

✳DO NOT OPERATE JIB BELOW THIS ANGLE UNLESS BOOM IS FULLY RETRACTED. SEE NOTE 6.

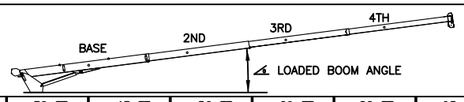
970235786 A (SHEET 1)

Altec Industries Inc. MODEL: AC25-95B

RANGE DIAGRAM – SHORT SPAN OUTRIGGERS

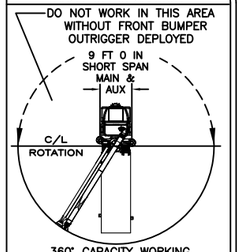


BOOM LOAD CAPACITIES IN LBS. WITH SHORT SPAN OUTRIGGERS



LOAD RADIUS (FT)	30 FT BOOM ∠	30 FT BOOM LBS	43 FT BOOM ∠	43 FT BOOM LBS	56 FT BOOM ∠	56 FT BOOM LBS	69 FT BOOM ∠	69 FT BOOM LBS	82 FT BOOM ∠	82 FT BOOM LBS	95 FT BOOM ∠	95 FT BOOM LBS
5	77	39000										
8	71	29400	77	17600								
10	66	18400	74	17800	78	17500						
12	62	12600	71	13300	76	13600						
14	58	9300	69	9900	74	10200	78	10300				
16	53	7100	66	7600	72	7900	76	8000	79	8150		
18	48	5500	63	6000	70	6250	74	6400	77	6500	80	6600
20	42	4300	60	4800	67	5050	72	5200	76	5300	78	5400
25	22	2400	51	2850	62	3100	68	3200	72	3300	75	3400
30			42	1650	55	1875	63	2000	68	2100	72	2150
35			29	850	49	1075	58	1200	64	1300	68	1350
40					41	475	53	625	60	700	65	750
45	NOTE: RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY								56	250	61	325
50												
55												
60												
	0	1900	SEE NOTE 9									⇦ 0° BOOM CAPACITIES
		825	550		425		350		300		250	⇦ STOWED JIB LOAD DEDUCTIONS

AREA OF OPERATION



DEDUCTIONS FROM RATED LOADS FOR HANDLING DEVICES

OVERHAUL BALL: 180 LBS

1-SHEAVE LOADBLOCK: 230 LBS

2-SHEAVE LOADBLOCK: 365 LBS

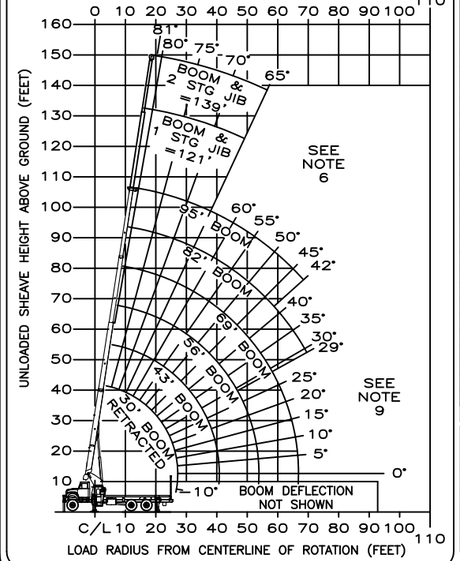
DEPLOYED JIB LOAD CAPACITIES (LBS) FOR ALL BOOM LENGTHS
JIB CAPACITIES ARE FOR SHORT SPAN OUTRIGGERS (9 FT 0 IN MIN CENTER TO CENTER)

LOADED BOOM ANGLE	DO NOT OPERATE OR ERECT JIBS IN THIS OUTRIGGER CONFIGURATION. SEE NOTE 19.
RETRACTED 26 FT JIB	
EXTENDED 44 FT JIB	

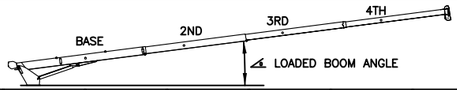
970235786 A (SHEET 3)

Altec Industries Inc. MODEL: AC25-95B

RANGE DIAGRAM – MID SPAN OUTRIGGERS

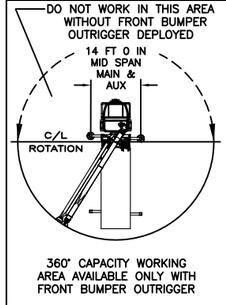


BOOM LOAD CAPACITIES IN LBS. WITH MID SPAN OUTRIGGERS



LOAD RADIUS (FT)	30 FT BOOM ∠	30 FT BOOM LBS	43 FT BOOM ∠	43 FT BOOM LBS	56 FT BOOM ∠	56 FT BOOM LBS	69 FT BOOM ∠	69 FT BOOM LBS	82 FT BOOM ∠	82 FT BOOM LBS	95 FT BOOM ∠	95 FT BOOM LBS
5	77	46000										
8	71	35000	77	17600								
10	66	30900	74	17800	78	17500						
12	62	26100	71	18000	76	17600						
14	57	22200	68	18200	74	17700	78	17400				
16	52	18600	65	18500	72	17900	76	16100	79	13900		
18	47	14500	62	15200	70	15500	75	14900	78	12900	80	10000
20	41	11700	59	12300	68	12600	73	12800	76	12000	79	10000
25	21	7500	51	8100	62	8300	68	8500	73	8600	76	8700
30			42	5600	56	5800	64	6000	69	6100	73	6200
35			30	4000	49	4200	59	4400	65	4500	69	4600
40					42	3100	53	3300	61	3400	66	3400
45					33	2300	48	2450	56	2550	62	2600
50					20	1650	41	1800	52	1900	58	2000
55							34	1300	47	1400	55	1500
60							25	900	42	1000	51	1075
65	NOTE: RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY						10	550	36	675	46	725
70									29	400	42	450
75												
80												
85												
90												
	0	6600	0	2900	0	1350	0	500	SEE NOTE 9			⇦ 0° BOOM CAPACITIES
		825		550		425		350		300	250	⇦ STOWED JIB LOAD DEDUCTIONS

AREA OF OPERATION



DEDUCTIONS FROM RATED LOADS FOR HANDLING DEVICES

OVERHAUL BALL: 180 LBS

1-SHEAVE LOADBLOCK: 230 LBS

2-SHEAVE LOADBLOCK: 365 LBS

DEPLOYED JIB LOAD CAPACITIES (LBS) FOR ALL BOOM LENGTHS
JIB CAPACITIES ARE FOR MID SPAN OUTRIGGERS (14 FT 0 IN MIN CENTER TO CENTER)

LOADED BOOM ANGLE	65° ✳	70°	75°	80°
RETRACTED 26 FT JIB	800	1925	3900	4100
EXTENDED 44 FT JIB	550	1500	2550	2550

✳DO NOT OPERATE JIB BELOW THIS ANGLE UNLESS BOOM IS FULLY RETRACTED. SEE NOTE 6.

970235786 A (SHEET 2)

1 PART LOAD LINE	2 PART LOAD LINE	3 PART LOAD LINE	4 PART LOAD LINE	5 PART LOAD LINE
LOADS UP TO	LOADS UP TO	LOADS UP TO	LOADS UP TO	LOADS UP TO
10,571 LBS. IWRC XXIP	21,142 LBS. IWRC XXIP	31,713 LBS. IWRC XXIP	42,284 LBS. IWRC XXIP	47,000 LBS. IWRC XXIP
7,400 LBS. ROT. RESISTANT WIRE ROPE	14,800 LBS. ROT. RESISTANT WIRE ROPE	22,200 LBS. ROT. RESISTANT WIRE ROPE	29,600 LBS. ROT. RESISTANT WIRE ROPE	37,000 LBS. ROT. RESISTANT WIRE ROPE
95 FT + 44 FT JIB	95 FT BOOM	74 FT BOOM	56 FT BOOM	45 FT BOOM

MAXIMUM BOOM LENGTH AT MAXIMUM ELEVATION WITH RIGGING SHOWN TO REACH THE GROUND

SEE OWNERS MANUAL FOR OTHER REEVING OPTIONS
With certain boom and hoist tackle combinations, maximum capacities may not be obtainable with standard cable lengths.

CAUTION

OPERATOR AIDS MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO OWNERS MANUAL.

KEEP AT LEAST 3 WRAPS OF LOADLINE ON DRUM AT ALL TIMES.

USE ONLY 9/16" DIAMETER IWRC OR ROTATION RESISTANT WIRE ROPE WITH 37,000 LBS. MIN. BREAKING STRENGTH ON THIS MACHINE.

DANGER

1. The operator must read, understand and follow the instructions found in the owners manual before operating this crane.
2. Positioning or operation of crane beyond areas shown on this chart is not intended nor approved except where specified in owners manual.
3. Loaded boom angles at specified boom lengths give only an approximation of the operating radius. The boom angle before loading should be greater to account for deflections. Do not exceed the operating radius for rated loads.
4. When between listed boom lengths or radii, always use the smallest of the values shown. Capacities for the 30-ft boom length must only be lifted with boom fully retracted.
5. Do not attempt to tip the machine to determine allowable loads.
6. When jib is erected boom must be fully retracted before lowering below minimum boom with jib angles. Retracted boom with jib has no lifting capacity below a 55° angle with full span outriggers. Retracted boom with jib has no lifting capacity below a 65° angle with mid span outriggers.
7. Use rating of next lower boom angle for boom angles not shown on jib load rating chart.
8. Do not lift off the main boom tip while the jib is erected. Do not travel with crane boom extended or jib erected.
9. Do not lower boom into this area. Instability may occur. Hydraulic pressure may not allow raising the boom without retracting boom first.
10. Crane load ratings on outriggers are based on freely suspended loads with the machine leveled and standing on firm uniform supporting surface. Do not move a load horizontally on the ground in any direction.
11. Actual working capacities depend on supporting surface, wind and other factors affecting stability such as hazardous surroundings, experience of personnel, and proper handling. All these factors must be taken into account by the operator.
12. The maximum in service wind speed is 20 mph. It is recommended when wind velocity is between 20 mph and 30 mph rated loads and boom lengths shall be appropriately reduced and/or other measures shall be taken to ensure stability and load control. When wind speed exceeds 30 mph main boom should be retracted and stowed.
13. For duty cycle operations (e.g., clam shell, concrete bucket work) weight of load must not exceed 80% of rated lifting capacities.
14. Multi-crane lift operations must be carefully planned well in advance and should only be performed by skilled personnel experienced in such procedures.
15. Horizontal outrigger beams are marked to indicate "Short Span" and "Mid Span" positions. Entire mark must be exposed before operating in "Short Span" or "Mid Span" mode.
16. The maximum load which may be telescoped is limited by hydraulic pressure, boom angle and boom lubrication. It is allowable to attempt to telescope any load within the limits of the load rating chart.
17. Never handle personnel with this machine unless the requirements of applicable national, state, and local regulations and safety codes are met.
18. Do not lift loads when boom is fully lowered. The LMAP senses pressure and will not provide warnings or lockout when the boom cylinder is fully retracted.
19. Do not operate or erect jibs in "Short Span" outrigger configuration.
THIS MACHINE COMPLIES WITH ASME B30.5 AND OSHA REGULATIONS 1910.180 AND 1926.550 WHERE APPLICABLE AT DATE OF MANUFACTURE
REMOVAL OF THIS PLACARD IS A VIOLATION OF THE LAW

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INFORMATION

1. Deductions must be made from rated loads for stowed jib, optional attachments, hooks and loadblocks (see deduction chart). Weights of slings and other load handling equipment shall be considered a part of the load.
2. Crane load ratings with outriggers are based on outriggers extended and set with all tires clear of the ground.
3. Load ratings do not exceed 85% of tipping load.
4. The maximum outrigger pad load is 60,000 lbs at rated capacities.

DEFINITIONS

1. Operating radius is the horizontal distance from the centerline of rotation to the center of the vertical load line or load hook with load suspended.
2. Loaded boom angle as shown in the capacity chart is the included angle between the horizontal and longitudinal axes of the boom base after lifting rated load at rated radius.