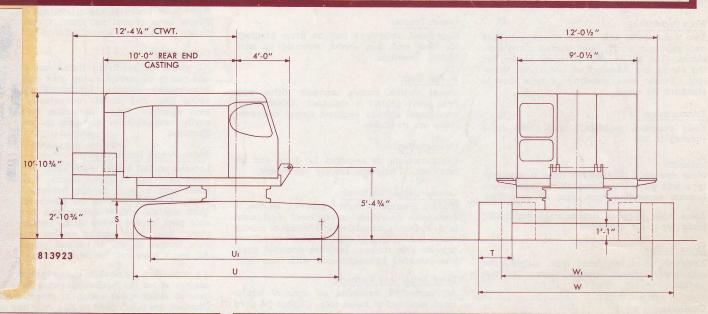


30-B

SERIES FOUR

SUPER CRAWLER MACHINE SPECIFICATIONS



	CRANE
1	Aux. hoisting drum,
	grooved (rear shaft)181/2" P. Dia.
	Aux. hoist rope34" Dia.
Ì	Hoisting drum,
Ì	plain (front shaft)171/2" P. Dia.
	Hoist rope
	Boom point sheaves (3)181/8" P. Dia.
-	Boom point sheaves (3)181/8" P. Di

		CRA	AWLER MC	UNTINGS			
Crawler Mountings	Height Tread Belts S	Width Treads T	Overall Length U	C. to C. Tumblers U ₁	Overall Width Extended W	Overall Width Retracted W ₁	Approx. Bearing Area Sq. Ft.
30" treads (Std.)	2' 10"	30"	16' 8"	14' 1"	14' 10"	11′ 5½″	72.6
36" treads	2' 10"	36"	16' 8"	14' 1"	15′ 4″	11'111/2"	87.6

CLAMSHELL				
Holding drum, grooved				

DRAGLINE					
Hoist rope Drag drui Drag rope	n, grooved				

WEIGH	HTS (LBS.)				
ANGLE OR TUBULAR BOOM					
	Crane	Dragline	Clamshell		
	40' Boom	40' Boom	40' Boom		
Net domestic, approx. Working, approx. Export shipping, approx. Ships option tons	110,500	94,000	93,600		
	110,950	96,350	96,500		
	111,100	96,650	96,800		
	79	72	73		

Hook block and buckets included in the working weight and export shipping weight, but not in domestic net weight.

POWER SPECI	FICATIONS		
Make Model	GM* 6-71	CUM. H-743	Cat* D-333CT
Туре	Diesel	Diesel	Diesel
Type of Drive Cylinders Bore x stroke, inches	Conv. 6 4 ¹ / ₄ x 5	Conv. 6 51/8 x 6	Conv. 6 4 ³ / ₄ x 6
Displacement, cu. in. Rated for excavator service:	426	743	638
H.P. net @ full load speed Full load speed output shaft	122 1470	122 1600	124 1470
Fuel tank capacity, gals.	70	70	70
Crankcase capacity, qts.	28	32	24
Cooling system capacity, gals.	11	21	12
Starting Altitude range, feet	12V-Elect. 0-11,000	12V-Elect. 0-4000	12V-Elect. 0-12,500

	LI	NE PULLS	AND SPEE	DS		
	1-Part	Line	2-Par	t Line	3-Par	t Line
DRUM PITCH DIA.	Pull In Lbs.	Speed F.P.M.	Pull In Lbs.	Speed F.P.M.	Pull In Lbs.	Speed F.P.M.
171/2"	22,400	154	44,000	77	65,000	51
181/2"	21,200	162	41,700	81	61,500	54
22"	17,800	193	35,000	96	51,600	64

Swing Speed 3.9 r.p.m. Propel Speed 1.0 m.p.h.

Speeds and pulls based on engine operating at full load speed; direct drive.

Torque Converter Drive:

When torque converter is operating at full stall, line pulls are approximately 220% of those shown in table.

30-B SUPER CRAWLER MACHINE

UPPER WORKS

Revolving Frame:

One-piece, heat treated steel casting with integral lugs for boom foot and hook roller mounting brackets. Cast steel machinery side frames are bolted to revolving frame. Shear plugs relieve bolts of shear loads and maintain alignment.

Main Machinery:

Two main shafts with drums, clutches, brakes and gears on each. Heat treated alloy steel shafts. The shafts and all parts turning on the shafts are mounted on anti-friction bearings. Power load lowering of hoist line is standard for crane.

Transmission

Fully enclosed, multiple strand chain drive running in oil.

Clutches:

Main operating clutches are alike in size and type with parts interchangeable. Clutches are internal expanding shoe type, air controlled.

Boom hoist clutches are internal expanding band type, air controlled.

Drum Brakes:

External contracting band type, single point adjustment. Hand operated locks for foot pedals.

Controls:

All functions air controlled, except for mechanically operated drum brakes, engine governor, output shaft governor, and swing lock. Main clutches and boom hoist clutches actuated by graduated type control valves, other air controlled motions actuated by poppet type air valves. Foot throttle is standard on crane. Single stick clamshell control standard on clamshell. Air control console is standard. 12 c.f.m. air compressor supplies compressed air for controls.

Truck Frame:

Single unit, heat treated steel casting with integral double flanged roller path and swing gear. Lower roller path and swing gear teeth are hardened.

Hook Rollers:

Eight adjustable conical hook rollers mounted on anti-friction bearings are standard. Two equalized pairs at front and rear, operating between a tapered double flanged roller path.

Axles:

Heat treated cast alloy steel "I" section axles with ends machined to permit extending or retracting the crawler side frame assemblies. Axles are bolted to the truck frame. Pins are used to lock the side frames to the axle in the extended or retracted position.

Crawler Side Frames:

Deep section welded units, composed of two channels spaced to support lower idler rollers, driving and take-up tumblers.

Side frames are mounted to the axles through tubular sections and secured in either extended or retracted with retaining pins.

Optional hydraulic device used for counterweight removal may also be used to remove, extend, or retract the crawler side frames.

Swing Brake:

Friction type, spring set with air assist and air released, external contracting band type. Brake drum attached to top of vertical swing shaft. Independent positive house lock, mechanically operated, is available in addition to the swing brake.

Cable Drums:

Cast steel, split type bolt on drum laggings for front and rear shafts, mounted on antifriction bearings.

Power Unit:

Diesel engine, torque converter drive with twin lever control is standard. Other diesel and diesel altitude engines; torque converter drive are available.

Counterweight:

Counterweight as required for front end attachment. Two-piece readily removable.

Counterweight Removal:

Manual counterweight removal device is standard. Available as optional equipment is a hydraulic counterweight removal device which is also used to extend, retract or remove crawler side frames. Includes portable gasoline powered hydraulic unit with controls.

Third Drum and Cathead:

Air controlled available as optional equipment, mounted at boom foot. Cannot be used with dragline. With standard propel, air controlled clutch turns drum in one direction. Foot pedal operated mechanical brake with lock. When used with independent propel, power controlled lowering of drum is possible. Air controlled jaw clutches to select third drum, cathead or independent propel motions.

An alternate third drum is available as optional equipment, mounted on right side of rear shaft. Air controlled clutch, spring-set air released brake, single lever control. Single

line pull and speed based on engine operating at full load speed is 10,000# @ 162 FPM.

Boom Hoist:

Independent boom hoist which provides positive power control of boom both up and down by individual air controlled friction clutches. Boom hoist brake is spring set, air released. Single lever control for clutches and brake. Safety pawl is air controlled.

Lubrication:

All gears on revolving frame are enclosed and run in oil, except swing gear and pinion. Permanently mounted lubrication pump for swing gear and pinion, conveniently located near operator. Other lubrication fittings are easily accessible or grouped in centralized locations.

Swing-Propel Machinery:

Located on left end of each shaft is a swing drive gear and a swing clutch. Both gears mesh with a gear on the horizontal swing shaft. A bevel gear on the horizontal swing shaft meshes with a combination bevel and spur gear located on top of the vertical swing shaft. Spur gear portion meshes with spur gear located at top of vertical propel shaft. All gears have cut, hardened teeth.

Air controlled, quick-shift, spline type clutches engage either the horizontal swing or propel gear to select either swing or propel motion. Clutches are interlocked so that only one may be engaged at a time.

Independent Propel:

Single speed, air controlled, independent propel is available as an option. May be used with all front ends. When used with the third drum mounted forward of the front shaft, an air controlled jaw clutch is used to select either propel or third drum operation. High speed reverse standard. Low speed reverse optional.

LOWER WORKS

Crawler Treads:

Heat treated steel castings with hardened roller path. Single roller path for lateral flexibility. Two full floating pins, widely spaced, connect treads together to form crawler belts. 30" treads are standard, 36" treads are optional.

Idler Rollers:

Lower rollers are bushed, heat treated steel castings secured to crawler side frames with U-bolts. Roller pins are hardened. Dust shields are provided, to protect the bearings.

Driving and Take-Up Tumblers:

Driving tumblers are heat treated steel castings with driving lugs and are mounted on movable shafts for adjusting tension of propel drive chains. Large screws with spanner locks provided for adjustments.

The portion of the adjusting screws held in reserve for wear take-up are enclosed and packed in grease. Tumblers have bushing type bearings protected by dust shields.

Lubrication

Conveniently located lubrication fittings on crawler unit. All bearings on driving, take-up and lower roller shafts are lubricated through end of the shafts.

Propel and Steering:

Swing clutches provide power for propelling after engaging horizontal propel gear through vertical and horizontal propel shafts. Horizontal propel shaft is made up of three parts, which when the jaw clutches are engaged, act as a single unit for driving the tread belts through a heavy chain drive.

Horizontal propel shaft extensions are coupled to the ends of the horizontal propel shaft by splined couplings and are supported by outboard bearings mounted on top of the crawler side frames.

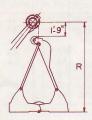
Machine may be propelled with crawlers in retracted position. The driving sprockets are supported by the outboard bearings when crawler side frames are in the retracted position. Propel chains do not have to be disassembled to remove crawler side frames from the axles. Dirt guards are provided for the shaft extensions.

Steering jaw clutches are spring set-air released. An interlock prevents simultaneous disengagement of the steering jaw clutches. Steering brakes are spring set with air assist for extra holding and air released. Brakes are located outboard of steering clutches and also serve as digging brakes.

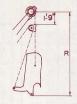
30-B SUPER DRAGLINE AND CLAMSHELL

ANGLE OR TUBULAR BOOM

DIMENSIC CLAMSHELL	
Capacity	R
1	11'5"
11/4	11'9"
1 1/2	12'3"



DRAGLINE	BUCKETS
Capacity	R
1	14'0"
11/4	15'0"
11/2	16'0"



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	55 60' 55'	
	4 550 AS	40
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	± 0 1	
	DEPTH 20	40' BOOM
	H L 20 20 25 20 20 20 20 20 20 20 20 20 20 20 20 20	50' BOOM
	0 0	

	MAXIMUM ALLOWABLE LOADS						
Boom Length Feet	Radius in Feet	Boom Angle in Degrees	Boom Point Pin Height	DRAGLINE Ctwt. W-7	CLAMSHELL OR MAGNET Ctwt. W-7		
40	25	58	39'6''	13,400	16,300		
	30	49	35'9''	13,400	16,300		
	35	39	30'9''	13,400	16,300		
50	30	59	48'0"	13,400	16,300		
	35	52	44'6"	13,400	16,300		
	40	44	40'0"	13,300	13,300		
	45	35	36'9"	9,900	9,900		
60	35	59	56'9"	13,400	16,300		
	40	53	53'6"	13,100	13,100		
	45	47	49'3"	9,700	9,700		
	50	40	44'0"	7,250	7,250		
	55	32	37'0"	5,450	5,450		
70	40	59	65'6"	12,700	12,700		
	45	54	62'3"	9,300	9,300		
	50	49	58'3"	6,850	6,850		
	55	43	53'0"	5,050	5,050		

725660K

Dragline loads do not exceed 75% of tipping loads with the boom in the least stable position and machine on firm level ground. Recommended maximum allowable loads for general dragline service are those shown in the chart, but not to exceed 13,400 lbs. for weight of bucket and contents.

Clamshell or magnet loads do not exceed 66-2/3% of tipping loads with the boom in the least stable position and machine on firm level ground. Recommended maximum allowable loads for general clamshell or magnet service are those shown in the chart, but not to exceed 16,300 lbs. for weight of bucket or magnet and material handled.

Boom angles less than $30\,^\circ$ or greater than $60\,^\circ$ are not recommended for dragline or clamshell service.

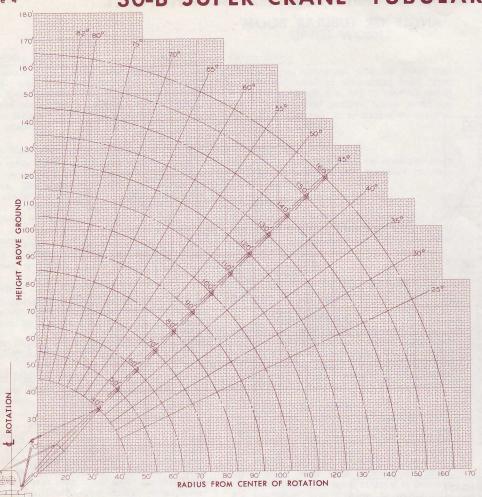
DRAGLINE AND CLAMSHELL WORKING RANGES

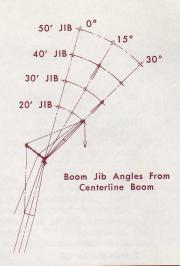
- A-Dumping height; height of boom point sheave minus dimension "R" shown in table above.
- B Dumping radius; approximately same as operating radius.
- F -Throw of dragline bucket; depends on ability of operator, usually 1/3 to 1/2 of boom length.
- H-Digging depth with dragline bucket; depends on character of material, size and type of dragline bucket and whether end cut or side cut. Because of these variables, digging depths shown cannot be guaranteed. Digging depths with clamshell bucket are approximately 8' greater than for dragline operation when using standard ropes. Tagline equipment has rope of sufficient length to reach depths greater than standard hoist rope allows.

Notes:

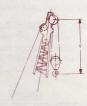
- Recommended maximum length of boom for general dragline, clamshell, magnet or similar service is 70 feet.
- 2. Due to possibility of clamshell bucket or magnet striking the boom, care should be exercised when operating with boom angles greater than 60° .
- Loads must be reduced when operating on soft or uneven ground, for bucket suction or other unfavorable conditions.

30-B SUPER CRANE—TUBULAR BOOM





HOOK BLOCKS						
Capacity	No. Parts	Y	Weight			
5 Ton	1	4'0"	375#			
20 Ton	2	5'6"	390#			
35 Ton	4	16'0"	580#			
60 Ton	6	16'0"	1050#			



BOOM

Construction:

854296

Standard boom is 40' long fabricated from alloy steel tubes, all-welded construction. Sections connected with single pin type joints. Insert sections 10,' 20' and 30' long are available. Three boom point sheaves mounted on anti-friction bearings are standard. Four boom point sheaves optional.

Suspension:

Twelve-part tackle with mast and pendant suspension is standard. Intermediate suspension required for booms 140' and longer.

Maximum Length:

Maximum length of boom for crane service is 160'. Maximum boom and jib combination is 160' + 50'. Maximum boom or boom and jib combination lengths that can be lifted off the ground unassisted are:

	Over Side	Over End
Boom and Jib	160′ 140′ + 50′	160' 160' + 50'

The maximum boom length that can be propelled with the boom below cab height is 120'. The maximum boom and jib that can be carried over the end of the crawlers when propelling is $120^{\circ}+40^{\circ}$. Clearance height of jib mast with boom horizontal and jib in line with boom is $14^{\circ}6^{\circ}$.

Maximum length of boom to which a jib may be attached is 160'.

Maximum Angle:

Maximum boom angle is 82°. Telescoping tubular type boom stops are standard on crane.

JIB

Construction:

Jibs are fabricated from alloy steel tubes, all welded construction. Jib lengths of 20', 30', 40' or 50' long are available. Point sheave mounted on anti-friction bearing is standard.

Loads:

Use jibs for crane service only. Allowable load on main boom sheave, when jib is attached, must be reduced as follows:

20'	Jib															3	900	Lbs.	
30'	Jib														. 1	,	000	Lbs.	
40'	Jib														. 1	١,	200	Lbs.	
																		Lbs.	

HOIST TACKLE

Parts

Suggested parts of hoist tackle are as follows:

Loads Over 20,000# 40,000# 60,000# 80,000# 100,000# Parts of Line 2 3 4 5 6

Maximum allowable loads apply only to machines that are level and standing on hard level uniform supporting surfaces. Loads must be freely suspended. The radii specified are loaded radii. Ratings include blocks, hooks, slings or other equipment used in handling loads. Proper care must be exercised by the operator at all times to avoid shock or side loadings on the boom. Ratings apply only to machines having booms in first class condition built and recommended by Bucyrus-Erie Company.

- * Indicates that maximum allowable load is limited by factors other than tipping.
- 1† Loads in column one do not exceed 75% of tipping loads with the boom in the least stable position in accordance with U.S. Department of Commerce Commercial Standard CS90-58.
- 2‡ Loads in column two do not exceed 85% of tipping loads with the boom in the least stable position.

30-B SUPER CRANE-TUBULAR BOOM

60-TON CRAWLER CRANE (P. C. & S. A. CLASS 12-230)

The Feet The Feet				MAX	MUM ALI	LOWABLE	LOADS -	- CRAN	NE SER	VICE		Special Control
10	Length		Angle	Point	-		Length		Angle	Point		Column 2
12	In Feet						In reet					Ctwt. W-8
15												47,100
10									A CONTRACTOR OF THE PARTY OF TH			36,400
120			-							A STATE OF THE STA		
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100 100	70		Market Street Company of the Company					130	26	66' 6"	3,000	3,400
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				MAX	KIMUM ALL	OWABLE L	OADS —	JIB (LBS.)	1				
							Jib Le	ength					
			20' Jib			30' Jib			40' Jib			50' Jib	
Boom Length	Boom Angle	Of	fset Angle	†	Off	set Angle	t	O	fset Angle	†	Off	set Angle	†
In Feet	In Degrees	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
40 to 100	78 75 69 63 56 49 41	20,000 20,000 17,000 12,800 9,600 7,600 6,200 5,000	20,000 18,000 15,000 11,700 9,200 7,400 6,000 5,000	12,000 12,000 10,000 10,000 8,800 7,300 6,000 5,000	16,000 16,000 12,000 9,000 8,000 7,000 5,600	12,000 12,000 10,000 8,000 7,000 6,000 5,000	7,000 6,000 6,000 5,500 5,000 5,000	16,000 16,000 12,000 8,000 7,500 6,200 5,000	10,000 9,000 7,000 5,000 4,500 4,000 —	5,000 5,000 4,000 4,000 3,500 3,000 —	14,000 13,000 10,000 6,000 5,500 5,000 4,000	8,000 6,000 5,000 4,000 3,500 3,000	3,000 3,000 3,000 3,000 ————————————————
110 to 160	77 73 70 66 62 57 53	14,000 12,000 9,500 7,200 5,600 4,200 3,400	14,000 11,000 8,500 6,700 5,400 4,000 3,200	12,000 10,000 8,000 6,500 5,200 3,800 3,100	14,000 10,000 8,000 6,700 5,000 3,800 3,000	12,000 9,800 8,000 6,000 4,700 3,600 3,000	6,000 6,000 6,000 5,700 4,500 3,400	10,000 9,000 8,000 6,000 4,500 3,000	8,000 7,000 6,000 5,000 4,300 3,000	4,500 4,500 4,500 4,500 4,000 3,000	5,000 5,000 5,000 5,000 4,000 3,000	4,000 4,000 4,000 3,000 3,000 —————	3,000 3,000 3,000 — — — —

The above jib loads are based on factors other than stability. †Maximum offset (Angular) from centerline of boom to centerline of jib. Machine equipped with super crawlers 30" or 36" links and counterweight W-8.

30-B SUPER CRANE - ANGLE BOOM

60 TON CRAWLER CRANE (P. C. & S. A. CLASS 12-227)

MAXIM	UM ALI	OWABL	E LOAD	S — CRANE	SERVICE
Boom	2 11	Boom	Boom	a i i i	G 1 o +
Length In Feet	Radius In Feet	Angle In Deg	Point Pin Ht	Column 1†	Column 2
In reet				Ctwt. W-8	Ctwt. W-8
	10	82	45' 0" 44' 9"	*120,000	*120,000 *120,000
	12 15	79 74	43' 9"	*120,000 93,800	*106,300
	20	67	42'0"	59,100	67,000
40	25	58	39' 6"	42,800	48,600
	30	50	35' 9"	33,400	37,900
	35	39	30' 9"	27,300	31,000
	40	26	22' 9"	23,000	26,000
	12	81	54' 9"	*110,000	*110,000
	15	77	54' 3"	93,600	*100,000
	20	71	52' 9"	58,800	66,600
50	25	65	50' 9"	42,500 33,100	48,200 37,500
	30 35	59 52	44' 9"	27,000	30,600
	40	44	40' 0"	22,700	25,700
	50	23	25' 0"	17,000	19,300
	15	79	64' 6"	93,400	* 94,000
	20	74	63' 3"	58,600	66,400
	25	70	61'9"	42,400	48,000
60	30	64	59' 6"	33,000	37,300
	40	53	53' 6"	22,500	25,500
	50	40	44' 0"	16,800	19,000
	60	21	27' 0"	13,200	15,000
	20	77	73' 6"	58,400	66,100
	25	73	72' 3"	42,100	47,700
70	30 40	68 59	70' 3" 65' 6"	32,700 22,200	37,000 25,200
70	50	49	58' 3"	16,500	18,700
	60	37	47' 6"	12,900	14,700
	70	19	28' 9"	10,500	11,900
	20	78	83' 9"	58,100	65,000
	25	75	82' 6"	41,800	47,400
	30	71	81'0"	32,400	36,700
80	40	63	76' 9"	21,900	24,900
	50 60	55 46	70' 9"	16,300 12,700	18,400 14,400
	70	34	50' 6"	10,200	11,600
numa de	30	75	102' 0"	32,000	36,200
	40	69	98' 9"	21,500	24,300
	50	63	94' 3"	15,800	17,900
100	60	56	88' 3"	12,200	13,800
	70	49	80' 6"	9,700	11,000
	80	41	70' 6"	7,900	9,000
	90	31	56' 6"	6,600	7,500
	30	77	122' 6"	31,500	* 32,500
	40	73	120' 0"	21,000	23,800
	50 60	67	111' 6"	15,300 11,700	13,300
120	70	57	105' 6"	9,300	10,500
100	80	51	98' 3"	7,500	8,500
	90	44	89' 0"	6,100	6,900
	100	37	77' 6"	5,000	5,700
	110	28	61'9"	4,200	4,700
	30	78	132' 9"	* 29,000	* 29,000
	40	74	130' 3"	20,700	23,200
	50	69	127' 0"	15,000 11,400	17,000
	60 70	64 59	117' 6"	9,000	10,200
130	80	54	110' 9"	7,200	8,100
	90	49	103' 0"	5,800	6,600
	100	42	93' 0"	4,700	5,400
	110	35	80' 9"	3,900	4,400
	120	27	64' 0"	3,100	3,600

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The above ratings apply only to machines that are level and standing on hard level uniform supporting surfaces. Loads must be freely suspended. The radii specified are loaded radii. Ratings include blocks, hooks, slings or other equipment used in handling loads. Proper care must be exercised by the operator at all times to avoid shock or side loadings on the boom. Ratings apply only to machines having booms in first class condition built and recommended by Bucyrus-Erie Company.

- * Indicates that maximum allowable load is limited by factors other than tipping.
- 1† Loads in column one do not exceed 75% of tipping loads with the boom in the least stable position in accordance with U.S. Department of Commerce Commercial Standard CS90-58.
- 2‡ Loads in column two do not exceed 85% of tipping loads with the boom in the least stable position.

BOOM

Construction:

Standard boom is 40' long fabricated from alloy steel angles, all-welded construction. Sections connected with single bolt, but type, machined joints. Insert sections 10', 20' and 30' long are available. Three boom point sheaves mounted on anti-friction bearings are standard. Four boom point sheaves optional.

Suspension

Twelve-part tackle with mast and pendant suspension is standard.

Maximum Length:

Maximum length of boom for crane service is 130'. Maximum boom and jib combination is 130' + 50'. Maximum boom or boom and jib combination lengths that can be lifted off the ground unassisted are:

Boom	Butt Type Joint	Pin Type Joint
Over Side Over End	130' 130'	130′ 130′
Boom and Jib Over Side Over End	120' + 50' 130' + 50'	120' + 50' 130' + 50'

The maximum boom length that can be carried with the boom and mast below cab height, over the end, when traveling is 120'. The maximum boom and jib that can be carried over the end of the crawlers when propelling is 120'+40' clearance height of jib mast with boom horizontal and jib in line with boom is 13'4".

Maximum length of boom to which a jib may be attached is 130'.

Maximum Angle:

Maximum boom angle is 82°. Telescoping tubular type boom stops are standard on crane.

JIB

Construction:

Jibs are fabricated from alloy steel angles, all-welded construction. Jib lengths of 10', 20', 30', 40' or 50' long are available. Point sheaves mounted on anti-friction bearing is standard.

Loads

Use jibs for crane service only. Allowable load on main boom sheave, when jib is attached, must be reduced as follows:

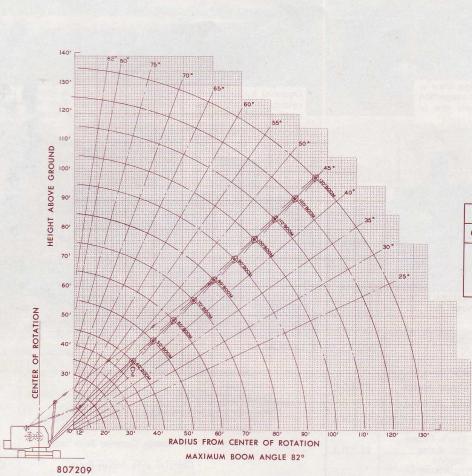
10'	Jib															1,300	Lbs.
20'	Jib															1,600	Lbs.
30'	Tib															1,800	Lbs.
																2,100	
50'	Tib															2,300	Lbs.

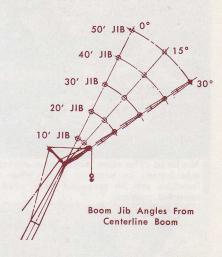
HOIST TACKLE

Parts

Suggested parts of hoist tackle are as follows:

Loads Over 20,000# 40,000# 60,000# 80,000# 100,000# Parts of Line 2 3 4 5 6





	HOOK BL	OCKS	
Capacity	No. Parts	Y	Weight
5 Ton	1	4'0"	220#
20 Ton	2	5'6"	390#
35 Ton	4	16'0"	580#
60 Ton	6	16'0"	1050#

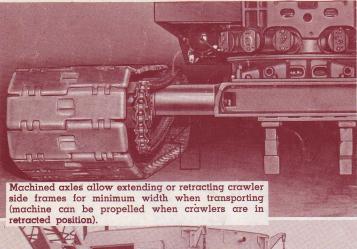


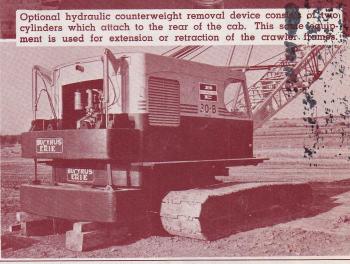
		a second			٨	MUMIXAN	ALLOWA	BLE LOAD	S — JIB	(LBS.)						
			40					Jik	Length							
Boom	Boom		10' Jib			20' Jib			30' Jib			40' Jib			50' Jib	
Length In	Angle	Of	fset Angle	e †	0	ffset Ang	rle†	C	ffset Ang	rle†	C	ffset Ang	ıle†	Of	fset Ang	le†
Feet	Degrees	0°	20°	40°	0°	15°	30°	0°	15°	30°	0°	15°	30°	0°	15°	30°
40' to 90'	77 73 66 59 52 43 32	20,000 20,000 18,000 15,000 11,500 9,300 7,300	20,000 20,000 18,000 14,000 11,000 9,000 7,000	14,000 12,000 10,000 9,000 8,000 7,000	20,000 20,000 16,000 12,000 10,000 8,000 6,000	20,000 18,000 14,000 12,000 9,500 7,500 6,000	12,000 12,000 10,000 9,000 8,000 7,000	16,000 16,000 10,000 9,000 8,000 6,000 5,500	12,000 10,000 9,000 8,000 6,000 5,500 4,000	7,000 6,000 6,000 6,000 5,000 5,000	15,800 14,500 10,000 8,000 7,000 5,500 5,000	10,000 8,000 6,000 5,000 4,000 4,000 4,000	5,000 5,000 4,000 4,000 3,500 3,000	11,200 10,500 8,000 6,000 5,000 4,000 3,000	8,000 6,000 4,000 4,000 3,500 3,000	3,000 3,000 3,000 3,000 — —
100' to 130'	78 74 69 64 59 54 49	14,000 13,000 11,000 8,000 6,000 5,000 4,000 3,000	14,000 13,000 11,000 8,000 6,000 5,000 4,000 3,000	12,000 12,000 10,000 8,000 6,000 5,000 4,000 3,000	14,000 13,000 11,000 8,000 6,000 5,000 4,000 3,000	14,000 13,000 11,000 8,000 6,000 5,000 4,000 3,000	12,000 12,000 10,000 8,000 6,000 5,000 4,000 3,000	14,000 12,000 8,000 7,000 6,000 5,000 4,000 3,000	12,000 12,000 8,000 7,000 6,000 5,000 4,000 3,000	6,000 6,000 6,000 6,000 6,000 4,700 3,700	12,000 12,000 9,000 7,000 6,000 4,700 3,700	10,000 9,000 7,000 6,000 5,000 4,200 3,200	5,000 5,000 4,000 4,000 4,000 4,000 3,000	10,000 10,000 9,000 7,000 6,500 4,200 3,000	3,000 3,000 3,000 3,000 ————————————————	3,000 3,000 3,000 3,000 — —

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The above loads are based on factors other than stability.
†Maximum offset (Angular) from centerline of boom to centerline of jib.
Machine equipped with super crawlers 30" or 36" links and counterweight W-8.

30-B SUPER CRAWLER MACHINE







	· V	WEIGHTS O	ASSEMBLIES	
MACHIN	ERY		CRAWLERS	
30.B	Upper Works Standard Ctwt. Removal Device	33,900# 500#		
7	Truck Frame and Axles (For hydraulic Ctwt. removal device add	11,700#	30" treads Crawler Belts (each) Crawler side frame (each)	5,350# 6,600#
	215 lbs.) Total	46,100#	(For 36" treads add 500 lbs. per belt.) Two Crawler assemblies Total	23,900#
COUNTERW	EIGHT		FRONT END	
	Upper Ctwt. Lower Ctwt.	17,800 # 17,300 #	Standard Alloy Angle Boom 21'6" Upper Section 18'6" Lower Section 5' Pendant (2) 21' Pendant (2) Mast Bridle Boom Stop	2,020# 1,800# 190# 270# 500# 380# 240#
	Total	35,100#	Total	5,400#



BUCYRUS-ERIE COMPANY

Construction Machinery Division: Evansville, Indiana

General Offices: South Milwaukee, Wisconsin, U.S.A.

It is the policy of Bucyrus-Erie Company to improve its products continually. The right is reserved to make changes in specifications or design which in the opinion of this company are in accord with this policy, or which are necessitated by the unavailability of materials. The description herein is for the purpose of identifying the type of machine, and does not limit or extend the express warranty provisions in any contract of sale.

