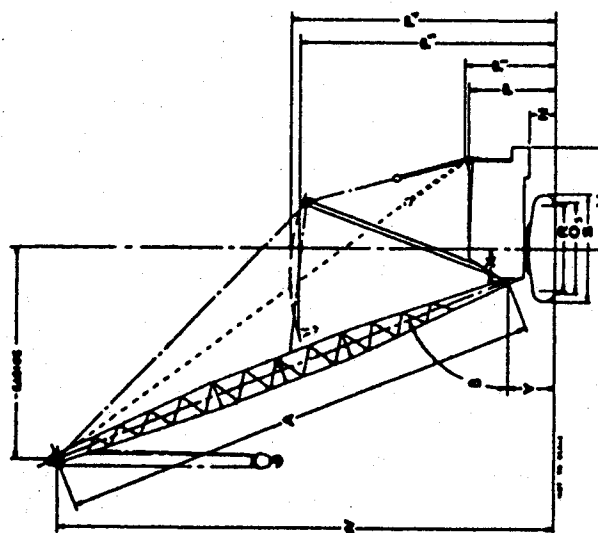
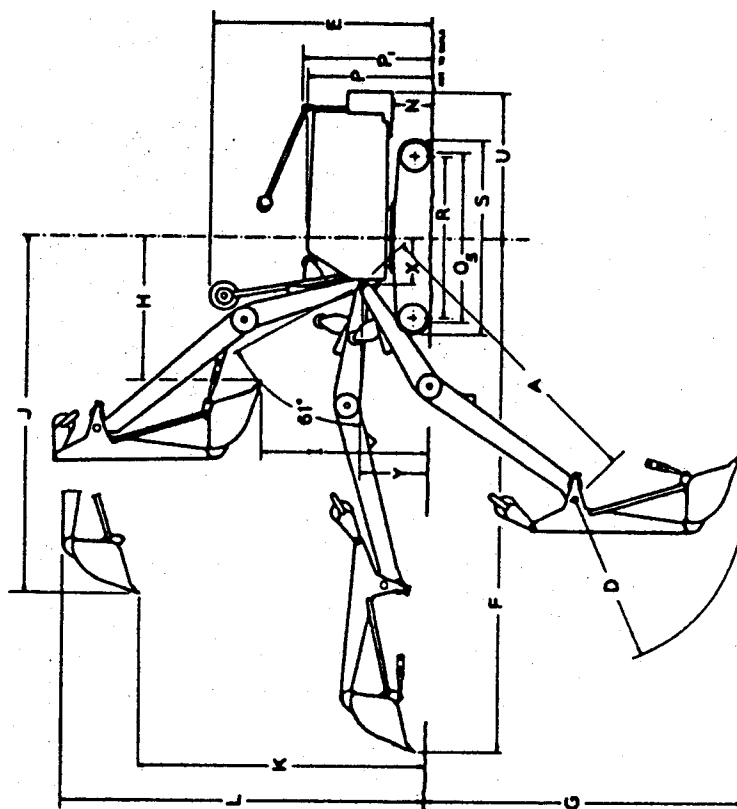




LS-418 Lifting Crane and Hoe Flysheet

103.5 TON CRAWLER MOUNTED CRANE (PCSA CLASS 15-536)
STANDARD LOWER 14'0" GAUGE X 22'4" LONG OVER-ALL
(Supersedes Flysheet CRF13010—3-68)



CRANE DIMENSIONS

Basic tubular "Hi-Lite" boom length	A	50' 0"
Boom angle	B	3' 11"
Ground clearance under counterweight "A"	N	3' 5"
Ground clearance under counterweight "AB"	N	39' 1"
Over-all height boom gantry vertical	P4	
Over-all height boom gantry		

HOE WORKING RANGES

Bucket capacity, cubic yards	2 1/2				
Bucket cutting width (standard)	60"				
Boom length	A	30' 0"			
Average sweep radius	D	17' 0"			
Height of hoe mast	E	23' 10"			
Maximum digging radius	F	51' 2"			
Maximum digging depth①	G	34' 10"			

Over-all height boom gantry with 50' boom horizontal	P5	23' 7"
Tailswing of counterweight "A"	U	14' 6"
Tailswing of counterweight "A8"	U	15' 2"
GENERAL DIMENSIONS COMMON TO BOTH CRANE AND HOE		
Crawler ground bearing length	O5	20' 3"
Over-all cab height	P	12' 5"
Over-all gantry height	PI	13' 0"
Center to center of wheels	R	19' 1"
Over-all crawler length	S	22' 4"
Radius of boom hinge pin	X	4' 7"
Height of boom hinge pin	Y	6' 9"
Over-all width with 38" wide track shoes		17' 2"
Over-all cab width		11' 0"
Minimum ground clearance		1' 2"
Over-all cab height without side frames		11' 3"
Over-all shipping width without side frames		11' 0"

BRIEF SPECIFICATIONS

LIFTING CRANE:

Approximate working weight with standard engine, low gantry, 38" wide track shoes, 50' "Hi-Lite" boom, boom gantry, but no hook block:

With counterweight "A"	163,500 lbs.
With counterweight "A8"	202,500 lbs.
Swing speed	2.90 r.p.m.
Logging	
24 3/4" front (hoist)	Line Pull 37,600 lbs.
24 3/4" rear (hoist)	Line Speed @ 148 f.p.m.
	36,500 lbs. @ 148 f.p.m.

CRAWLER:

38" wide track shoes standard, 44" wide track shoes optional at extra cost. Travel speed .98 m.p.h. Independent travel with choice of travel speed optional at extra cost.

Maximum digging depth ①	G	34' 10"
Radius beginning of dump	H	14' 4"
Ground clearance beginning of dump	I	16' 7"
Clearance radius end of dump	J	35' 9"
Ground clearance end of dump	K	28' 4"
Over-all height end of dump	L	36' 2"
Ground clearance, counterweight "A"	N	3' 11"
Tailswing of counterweight "A"	U	14' 6"

① Dimension "G" shows maximum digging depth with 55' boom. The digging depth with 45' boom per U.S. Department of Commerce Standards is 31' 5". The maximum "effective" digging depth will vary with the type of soil and excavation.

HOE LIFTING CAPACITIES

These are maximum lifting capacities (based on cable strength) for the hoe when used for laying pipe. Three port hoist line used.

BOOM RADIUS ②	LIFTING CAPACITIES
20' to 25'	32,700 lbs.
20' to 30'	29,200 lbs.
20' to 34'	22,300 lbs.

② Radius is measured from machine centerline of rotation to centerline of boom peak shaft. Capacities are based upon the hoe arm being in a vertical position.

BRIEF SPECIFICATIONS

Approximate working weight with 38" wide track shoes, low gantry, counterweight "A"	173,970 lbs.
Swing speed	2.90 r.p.m.
Logging	
24 3/4" inhaul (front)	Line Pull 37,600 lbs.
24 3/4" hoist (rear)	Line Speed @ 148 f.p.m.
	36,500 lbs. @ 148 f.p.m.

POWER UNITS:

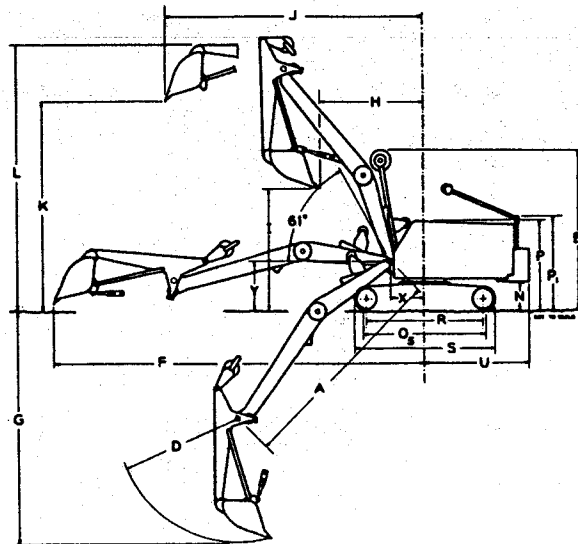
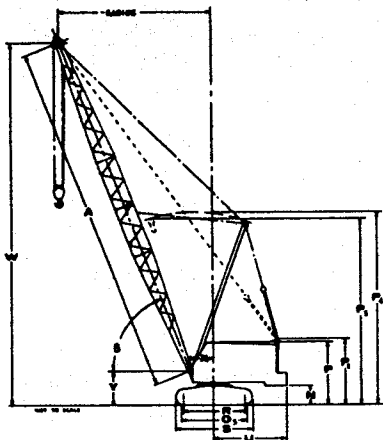
Suitable for operation up to 4,000' above sea level. For operation at higher altitudes consult factory. Standard—General Motors Series 6-71 (Model 6030-N) diesel engine with hydraulic coupling, 6 cylinder, 190 net h.p. at 2060 r.p.m. full load speed. Optional at extra cost—Diesel—General Motors and Cummins with torque converter and Caterpillar with hydraulic coupling.

GENERAL INFORMATION ONLY



LS-418 Lifting Crane and Hoe Flysheet

103.5 TON CRAWLER MOUNTED CRANE (PCSA CLASS 15-536)
STANDARD LOWER 14'0" GAUGE X 22'4" LONG OVER-ALL
(Supersedes Flysheet CRF13010-3-68)



CRANE DIMENSIONS

Basic tubular "Hi-Lite" boom length	A	50' 0"
Boom angle	B	
Ground clearance under counterweight "A"	N	3' 11"
Ground clearance under counterweight "AB"	N	3' 5"
Over-all height boom gantry vertical	P4	39' 1"
Over-all height boom gantry with 50' boom horizontal	P5	23' 7"
Tailswing of counterweight "A"	U	14' 6"
Tailswing of counterweight "AB"	U	15' 2"

GENERAL DIMENSIONS COMMON TO BOTH CRANE AND HOE

Crawler ground bearing length	OS	20' 3"
Over-all cab height	P	12' 5"
Over-all gantry height	PI	13' 0"
Center to center of wheels	R	19' 1"
Over-all crawler length	S	22' 4"
Radius of boom hinge pin	X	4' 7"
Height of boom hinge pin	Y	6' 9"
Over-all width with 38" wide track shoes		17' 2"
Over-all cab width		11' 0"
Minimum ground clearance		1' 2"
Over-all cab height without side frames		11' 3"
Over-all shipping width without side frames		11' 0"

BRIEF SPECIFICATIONS

LIFTING CRANE:

Approximate working weight with standard engine, low gantry, 38" wide track shoes, 50' "Hi-Lite" boom, boom gantry, but no hook block:	
With counterweight "A"	163,500 lbs.
With counterweight "AB"	202,500 lbs.
Swing speed	2.90 r.p.m.
Lagging	Line Pull
24% front (hoist)	37,600 lbs. @ 148 f.p.m.
24% rear (hoist)	36,500 lbs. @ 148 f.p.m.

CRAWLER:

38" wide track shoes standard. 44" wide track shoes optional at extra cost.
Travel speed .98 m.p.h. Independent travel with choice of travel speed optional at extra cost.

HOE WORKING RANGES

Bucket capacity, cubic yards	2 1/2	
Bucket cutting width (standard)	60"	
Boom length	A	30' 0"
Average sweep radius	D	17' 0"
Height of hoe mast	E	23' 10"
Maximum digging radius	F	51' 2"
Maximum digging depth①	G	34' 10"
Radius beginning of dump	H	14' 4"
Ground clearance beginning of dump	I	16' 7"
Clearance radius end of dump	J	35' 9"
Ground clearance end of dump	K	28' 4"
Over-all height end of dump	L	36' 2"
Ground clearance, counterweight "A"	N	3' 11"
Tailswing of counterweight "A"	U	14' 6"

① Dimension "G" shows maximum digging depth with 55° boom. The digging depth with 45° boom per U.S. Department of Commerce Standards is 31' 5". The maximum "effective" digging depth will vary with the type of soil and excavation.

HOE LIFTING CAPACITIES

These are maximum lifting capacities (based on cable strength) for the hoe when used for laying pipe. Three part hoist line used.

BOOM RADIUS②	LIFTING CAPACITIES
20' to 25'	32,700 lbs.
20' to 30'	29,200 lbs.
20' to 34'	22,300 lbs.

② Radius is measured from machine centerline of rotation to centerline of boom peak shaft. Capacities are based upon the hoe arm being in a vertical position.

BRIEF SPECIFICATIONS

Approximate working weight with 38" wide track shoes, low gantry, counterweight "A"	173,970 lbs.
Swing speed	2.90 r.p.m.
Lagging	Line Pull
24% inhaul (front)	37,600 lbs. @ 148 f.p.m.
24% hoist (rear)	36,500 lbs. @ 148 f.p.m.

POWER UNITS:

Suitable for operation up to 4,000' above sea level. For operation at higher altitudes consult factory.
Standard—General Motors Series 6-71 (Model 6030-N) diesel engine with hydraulic coupling, 6 cylinder, 190 net h.p. at 2060 r.p.m. full load speed.
Optional at extra cost—Diesel—General Motors and Cummins with torque converter and Caterpillar with hydraulic coupling.

GENERAL INFORMATION ONLY



LS-418 Lifting Capacities^① With Tubular "Hi-Lite" Boom, 1 1/4" Diameter Extender Cables and Boom Gantry

STANDARD LOWER 14'0" GAUGE X 22'4" LONG OVERALL

FOR DRAGLINE, CLAMSHELL AND MAGNET CAPACITIES SEE NOTE ③

BOOM			W Boom Point Height	Cwt. "A"	Cwt. "AB"	
Length	Radius	Angle				
50'	13'	80°	56' 0"	207,000*	207,000*	
	14'	79°	55' 10"	185,090*	207,000*	
	15'	78°	55' 8"	160,470*	207,000*	
	16'	77°	55' 6"	144,660	200,000*	
	17'	76°	55' 3"	129,310	187,910	
	18'	74°	54' 10"	116,830	169,980	
	19'	73°	54' 7"	106,490	155,050	
	20'	72°	54' 4"	97,780	144,720	
	25'	66°	52' 5"	69,010	102,660	
	30'	59°	49' 10"	52,910	79,140	
	35'	53°	46' 5"	42,600	64,090	
	40'	45°	42' 1"	35,420	53,620	
50'	25°	27' 8"	26,000	39,940		
60'	14'	81°	66' 0"	185,090*	201,160*	
	15'	80°	65' 10"	160,470*	197,940*	
	16'	79°	65' 8"	144,660	197,500*	
	17'	78°	65' 5"	129,310	187,910	
	18'	77°	65' 2"	116,830	169,980	
	19'	76°	64' 11"	106,490	155,050	
	20'	75°	64' 9"	97,780	144,720	
	25'	70°	63' 2"	69,010	102,660	
	30'	65°	61' 1"	52,910	79,140	
	35'	60°	58' 6"	42,600	64,090	
	40'	54°	55' 2"	35,420	53,620	
	50'	41°	45' 11"	26,000	39,940	
60'	23°	29' 9"	20,410	31,690		
70'	16'	81°	75' 11"	144,660	179,500*	
	17'	80°	75' 8"	129,310	179,000*	
	18'	79°	75' 5"	116,830	169,980	
	19'	78°	75' 3"	106,490	155,050	
	20'	77°	75' 0"	97,780	144,720	
	25'	73°	73' 8"	69,010	102,660	
	30'	68°	71' 11"	52,910	79,140	
	35'	64°	69' 9"	42,600	64,090	
	40'	60°	67' 1"	35,420	53,620	
	50'	50°	60' 0"	26,000	39,940	
	60'	38°	49' 6"	20,410	31,690	
	70'	21°	31' 8"	16,510	26,000	
80'	17'	81°	85' 9"	129,310	164,000*	
	18'	80°	85' 6"	116,830	162,000*	
	19'	79.5°	85' 5"	106,490	155,050	
	20'	79°	85' 3"	97,780	144,720	
	25'	75°	84' 1"	69,010	102,660	
	30'	72°	82' 7"	52,910	79,140	
	35'	68°	80' 9"	42,600	64,090	
	40'	64°	78' 6"	35,420	53,620	
	50'	55°	72' 7"	26,000	39,940	
	60'	46°	64' 5"	20,410	31,690	
	70'	35°	52' 9"	16,510	26,000	
	80'	20°	33' 5"	13,620	21,800	
90'	19'	81°	95' 8"	106,490	147,000*	
	20'	80°	95' 5"	97,780	139,290*	
	25'	77°	94' 5"	69,010	102,660	
	30'	74°	93' 1"	52,910	79,140	
	35'	70°	91' 5"	42,600	64,090	
	40'	67°	89' 6"	35,420	53,620	
	50'	60°	84' 5"	26,000	39,940	
	60'	52°	77' 8"	20,410	31,690	
	70'	43°	68' 7"	16,510	26,000	
	80'	33°	55' 10"	13,620	21,800	
	90'	18°	35' 1"	11,370	18,560	
	100'	20'	81°	105' 7"	97,780	127,550*
25'		78°	104' 8"	69,010	102,660	
30'		75°	103' 6"	52,910	79,140	
35'		72°	102' 0"	42,600	64,090	
40'		69°	100' 3"	35,420	53,620	
50'		63°	95' 10"	26,000	39,940	
60'		56°	90' 0"	20,410	31,690	
70'		49°	82' 4"	16,500	25,980	
80'		41°	72' 5"	13,580	21,770	
90'		31°	58' 9"	11,350	18,540	
100'		17°	36' 8"	9,550	15,970	
BOOM		W Boom Point Height		Cwt. "A"	Cwt. "AB"	
	Length	Radius	Angle			
	110'	25'	79°	114' 10"	69,010	102,660
30'		77°	113' 9"	52,910	79,140	
40'		71°	110' 11"	35,420	53,620	
50'		65°	106' 11"	26,000	39,940	
60'		60°	101' 9"	20,410	31,670	
70'		54°	95' 2"	16,390	25,870	
80'		47°	86' 10"	13,480	21,660	
90'		39°	76' 1"	11,260	18,460	
100'		30°	61' 6"	9,500	15,920	
110'		17°	38' 2"	8,040	13,830	
120'		25'	80°	125' 0"	69,010	101,600*
		30'	78°	124' 0"	52,910	79,140
	40'	73°	121' 5"	35,420	53,620	
	50'	68°	117' 10"	26,000	39,940	
	60'	63°	113' 2"	20,250	31,540	
	70'	57°	107' 4"	16,260	25,740	
	80'	51°	100' 1"	13,350	21,540	
	90'	45°	91' 0"	11,140	18,330	
	100'	37°	79' 6"	9,400	15,810	
	110'	29°	64' 1"	7,970	13,760	
	120'	16°	39' 7"	6,760	12,030	
	130'	25'	81°	135' 2"	69,010	93,280*
30'		79°	134' 3"	52,910	79,140	
40'		74°	131' 10"	35,390	53,620	
50'		70°	128' 7"	25,960	39,900	
60'		65°	124' 4"	20,110	31,400	
70'		60°	119' 1"	16,110	25,600	
80'		55°	112' 8"	13,210	21,390	
90'		49°	104' 9"	11,000	18,190	
100'		43°	95' 0"	9,260	15,670	
110'		36°	82' 10"	7,840	13,640	
120'		27°	66' 7"	6,670	11,940	
130'		15°	41' 0"	5,640	10,490	
140'	30'	80°	144' 7"	52,910	79,140	
	40'	75°	142' 3"	35,260	53,460	
	50'	71°	137' 4"	25,820	39,750	
	60'	67°	135' 4"	19,950	31,240	
	70'	62°	130' 6"	15,960	25,440	
	80'	57°	124' 8"	13,050	21,230	
	90'	52°	117' 8"	10,840	18,030	
	100'	47°	109' 2"	9,100	15,520	
	110'	41°	98' 11"	7,700	13,490	
	120'	35°	86' 0"	6,530	11,800	
	130'	26°	68' 11"	5,540	10,380	
	140'	15°	42' 3"	4,600	9,140	
150'	30'	80°	154' 7"	52,900	75,890*	
	40'	76°	152' 6"	35,120	53,320	
	50'	72°	149' 9"	25,600	39,600	
	60'	68°	146' 2"	19,790	31,080	
	70'	64°	141' 9"	15,790	25,280	
	80'	60°	136' 5"	12,880	21,060	
	90'	55°	130' 1"	10,670	17,870	
	100'	51°	122' 6"	8,940	15,350	
	110'	45°	113' 6"	7,530	13,320	
	120'	40°	102' 7"	6,370	11,650	
	130'	33°	89' 0"	5,390	10,230	
	140'	26°	71' 3"	4,540	9,020	
150'	14°	43' 6"	3,780	7,950		
160'	30'	81°	164' 9"	52,810	70,120*	
	40'	77°	162' 9"	34,990	53,190	
	50'	74°	160' 2"	25,520	39,460	
	60'	70°	156' 10"	19,640	30,930	
	70'	66°	152' 9"	15,640	25,120	
	80'	62°	147' 10"	12,730	20,910	
	90'	58°	142' 0"	10,520	17,710	
	100'	53°	135' 2"	8,780	15,190	
	110'	49°	127' 1"	7,370	13,170	
	120'	44°	117' 7"	6,210	11,490	
	130'	38°	106' 1"	5,240	10,080	
	140'	32°	92' 0"	4,400	8,880	
150'	25°	73' 6"	3,670	7,830		
160'	14°	44' 9"	3,000	6,900		
BOOM	W Boom Point Height		Cwt. "A"	Cwt. "AB"		
	Length	Radius	Angle			
	170'	35'	80°	174' 0"	42,170	61,340*
40'		78°	173' 0"	34,860	53,060	
50'		75°	170' 7"	25,380	39,310	
60'		71°	169' 6"	19,490	30,780	
70'		67°	163' 8"	15,480	24,970	
80'		64°	159' 1"	12,570	20,750	
90'		60°	153' 9"	10,360	17,550	
100'		56°	147' 5"	8,620	15,040	
110'		51°	140' 1"	7,220	13,010	
120'		47°	131' 7"	6,060	11,340	
130'		43°	121' 6"	5,090	9,930	
140'		37°	109' 6"	4,250	8,730	
180'	150'	31°	94' 10"	3,530	7,700	
	160'	24°	75' 8"	2,890	6,790	
	170'	13°	46' 0"	2,300	5,960	
	190'	35'	80°	184' 2"	42,040	55,650*
		40'	79°	183' 3"	34,720	51,970*
		50'	75°	180' 11"	25,230	39,160
		60'	72°	178' 0"	19,340	30,630
		70'	69°	174' 5"	15,320	24,810
		80'	65°	170' 2"	12,410	20,590
		90'	62°	165' 2"	10,200	17,390
		100'	58°	159' 5"	8,460	14,880
		110'	54°	152' 8"	7,060	12,850
120'		50°	144' 10"	5,900	11,180	
130'		46°	135' 10"	4,930	9,770	
140'		41°	125' 4"	4,100	8,580	
150'	36°	112' 10"	3,380	7,550		
160'	30°	97' 7"	2,750	6,640		
170'	23°	77' 9"	2,180	5,840		
180'	13°	47' 1"	1,660	5,110		
200'	35'	80°	194' 4"	41,900	49,950*	
	40'	79°	193' 5"	34,580	46,080*	
	50'	76°	191' 3"	25,080	39,010	
	60'	73°	188' 7"	19,180	30,470	
	70'	70°	185' 1"	15,160	24,650	
	80'	67°	181' 2"	12,240	20,430	
	90'	63°	176' 6"	10,030	17,220	
	100'	60°	171' 0"	8,290	14,710	
	110'	56°	164' 10"	6,890	12,680	
	120'	53°	157' 8"	5,730	11,010	
	130'	49°	149' 5"	4,760	9,610	
	140'	45°	140' 0"	3,940	8,420	
150'	40°	129' 0"	3,220	7,390		
160'	35°	116' 0"	2,590	6,490		
170'	30°	100' 2"	2,040	5,690		
180'	23°	79' 9"	1,540	4,980		
190'	13°	48' 3"	1,070	4,320		
200'	40'	80°	203' 7"	34,430	45,200*	
	50'	77°	201' 6"	24,920	35,830*	
	60'	74°	198' 11"	19,020	30,310	
	70'	71°	195' 9"	14,990	24,480	
	80'	68°	192' 0"	12,080	20,260	
	90'	65°	187' 7"	9,860	17,050	
	100'	61°	182' 6"	8,120	14,540	
	110'	58°	176' 8"	6,720	12,510	
	120'	55°	170' 1"	5,560	10,840	
	130'	51°	162' 6"	4,590	9,440	
	140'	47°	153' 11"	3,770	8,240	
	150'	43°	144' 1"	3,050	7,220	
160'	39°	132' 8"	2,430	6,320		
170'	34°	119' 2"	1,880	5,530		
180'	29°	102' 10"	1,380	4,830		
190'	22°	81' 9"	—	4,190		
200'	12°	49' 4"	—	3,600		

© Dragline capacities are equal to the crane capacities shown for machines without boom gantry except limited to a maximum of 19,000 pounds. Cramshell and magnet capacities are equal to 90% of the crane capacities shown for machines without boom gantry except limited to a maximum of 22,500 pounds. The user must make allowances for soft or uneven supporting surfaces, rapid cycle operations, bucket suction, other unfavorable conditions, and the weight of the machine.



LS-418 Lifting Capacities^① With Tubular "Hi-Lite" Boom, Counterweight "A", 1½" Diameter Extender Cables, But No Boom Gantry

STANDARD LOWER 14'0" GAUGE X 22'4" LONG OVERALL

FOR DRAGLINE, CLAMSHELL AND MAGNET CAPACITIES SEE NOTE ②

BOOM			W Boom Point Height	Lifting Crane
Length	Radius	Angle		
50'	12'	82°	56' 2"	206,280*
	15'	78°	55' 8"	155,610
	20'	72°	54' 4"	93,240
	25'	66°	52' 5"	66,170
	30'	59°	49' 10"	51,040
	35'	53°	46' 5"	41,380
	40'	45°	42' 1"	34,600
60'	15'	80°	65' 10"	155,530
	20'	75°	64' 9"	93,100
	25'	70°	63' 2"	65,990
	30'	65°	61' 1"	50,840
	35'	60°	58' 6"	41,170
	40'	54°	55' 2"	34,450
	50'	41°	45' 11"	25,370
70'	15'	82°	76' 0"	155,470
	20'	77°	75' 0"	92,960
	25'	73°	73' 8"	65,820
	30'	68°	71' 11"	50,650
	35'	64°	69' 9"	40,970
	40'	60°	67' 1"	34,240
	50'	50°	60' 0"	25,370
70'	60'	38°	49' 8"	19,900
	70'	21°	31' 8"	16,080

BOOM			W Boom Point Height	Lifting Crane
Length	Radius	Angle		
80'	20'	79°	85' 3"	92,830
	25'	75°	84' 1"	65,660
	30'	72°	82' 7"	50,470
	35'	68°	80' 9"	40,770
	40'	64°	78' 6"	34,040
	50'	55°	72' 7"	25,310
	60'	46°	64' 5"	19,890
90'	20'	80°	95' 5"	92,700
	25'	77°	94' 5"	65,490
	30'	74°	93' 1"	50,290
	35'	70°	91' 5"	40,570
	40'	67°	89' 6"	33,830
	50'	60°	84' 5"	25,090
	60'	52°	77' 8"	19,660
100'	20'	81°	105' 7"	92,570
	25'	78°	104' 8"	65,330
	30'	75°	103' 6"	50,100
	35'	72°	102' 0"	40,380
	40'	69°	100' 3"	33,630
	50'	63°	95' 10"	24,880
	60'	56°	90' 0"	19,440
100'	70'	49°	82' 4"	15,740
	80'	41°	72' 5"	13,060
	90'	31°	58' 9"	11,020
	100'	17°	36' 8"	9,260

BOOM			W Boom Point Height	Lifting Crane
Length	Radius	Angle		
110'	25'	79°	114' 10"	65,170
	30'	77°	113' 9"	49,920
	35'	74°	112' 5"	40,190
	40'	71°	110' 11"	33,430
	50'	65°	106' 11"	24,660
	60'	60°	101' 9"	19,220
	70'	54°	95' 2"	15,520
120'	25'	80°	125' 0"	65,010
	30'	78°	124' 0"	49,750
	35'	75°	122' 10"	40,000
	40'	73°	121' 5"	33,230
	50'	68°	117' 10"	24,450
	60'	63°	113' 2"	19,010
	70'	57°	107' 4"	15,300
120'	80'	51°	100' 1"	12,610
	90'	45°	91' 0"	10,560
	100'	37°	79' 6"	8,960
	110'	29°	64' 1"	7,670
	120'	16°	39' 7"	6,490

LS-418 Lifting Capacities^① With Angle Boom, Counterweight "A"

STANDARD LOWER 14'0" GAUGE X 22'4" LONG OVERALL

FOR LIFTING CRANE, DRAGLINE, CLAMSHELL AND MAGNET CAPACITIES SEE NOTES PAGE 2.

BOOM			Point Ht. W	With Boom Gantry 1½" dia. Ext.	With No Boom Gantry 1½" dia. Ext.
Length	Radius	Angle			
50'	13'	80°	56' 0"	157,000*	138,790*
	14'	79°	55' 10"	154,830*	134,770*
	15'	78°	55' 8"	152,040*	130,990*
	16'	77°	55' 6"	144,170*	127,410*
	17'	76°	55' 3"	128,920	124,340*
	18'	74°	54' 10"	116,430	113,240
	19'	73°	54' 7"	106,080	103,260
	20'	72°	54' 4"	97,360	94,860
	25'	66°	52' 5"	68,550	67,120
	30'	59°	49' 10"	52,430	51,610
	35'	53°	46' 5"	42,110	41,710
	40'	45°	42' 1"	34,920	34,840
60'	14'	81°	66' 0"	139,190*	126,040*
	15'	80°	65' 10"	137,090*	122,520*
	16'	79°	65' 8"	135,090*	119,500*
	17'	78°	65' 5"	128,920	115,360*
	18'	77°	65' 2"	116,430	112,480*
	19'	76°	64' 11"	106,080	103,080
	20'	75°	64' 9"	97,360	94,660
	25'	70°	63' 2"	68,550	66,870
	30'	65°	61' 1"	52,430	51,340
	35'	60°	58' 6"	42,110	41,420
	40'	54°	55' 2"	34,920	34,540
	50'	41°	45' 11"	25,490	25,490
70'	16'	81°	75' 11"	123,730*	110,490*
	17'	80°	75' 8"	122,190*	108,290*
	18'	79°	75' 5"	116,430	105,610*
	19'	78°	75' 3"	106,080	102,910
	20'	77°	75' 0"	97,360	94,470
	25'	73°	73' 8"	68,550	66,640
	30'	68°	71' 11"	52,430	51,080
	35'	64°	69' 9"	42,110	41,140
	40'	60°	67' 1"	34,920	34,250
	50'	50°	60' 0"	25,490	25,300
	60'	38°	49' 8"	19,810	19,750
	70'	21°	31' 8"	15,830	15,830
80'	17'	81°	85' 9"	110,740*	101,340*
	18'	80°	85' 6"	109,390*	99,140*
	19'	79°	85' 3"	106,080	97,060*
	20'	78°	85' 3"	97,360	94,290
	25'	75°	84' 1"	68,550	66,400
	30'	72°	82' 7"	52,430	50,820
	35'	68°	80' 9"	42,110	40,860
	40'	64°	78' 6"	34,920	33,960
	50'	55°	72' 7"	25,490	25,000
	60'	46°	64' 5"	19,810	19,430
	70'	35°	52' 9"	15,830	15,640
	80'	20°	33' 5"	12,850	12,850

BOOM			Point Ht. W	With Boom Gantry 1½" dia. Ext.	With No Boom Gantry 1½" dia. Ext.
Length	Radius	Angle			
90'	19'	81°	95' 8"	99,600*	90,850*
	20'	80°	95' 5"	97,360	89,320*
	25'	77°	94' 5"	68,550	66,180
	30'	74°	93' 1"	52,430	50,560
	35'	70°	91' 5"	42,110	40,590
	40'	67°	89' 6"	34,920	33,670
	50'	60°	84' 5"	25,490	24,690
	60'	52°	77' 8"	19,730	19,120
	70'	43°	68' 7"	15,730	15,330
	80'	33°	55' 10"	12,800	12,570
	90'	18°	35' 1"	10,520	10,480
100'	20'	81°	105' 7"	90,530*	81,870*
	25'	78°	104' 8"	68,550	65,950
	30'	75°	103' 6"	52,430	50,300
	35'	72°	102' 0"	42,080	40,310
	40'	69°	100' 3"	34,830	33,390
	50'	63°	95' 10"	25,420	24,390
	60'	56°	90' 0"	19,750	18,810
	70'	49°	82' 4"	15,750	15,010
	80'	41°	72' 5"	12,650	12,250
	90'	31°	58' 9"	10,420	10,160
	100'	17°	36' 8"	8,610	8,280
110'	25'	79°	114' 10"	68,550	65,720
	30'	77°	113' 9"	52,370	50,050
	35'	74°	112' 5"	41,920	40,050
	40'	71°	110' 11"	34,660	33,100
	50'	65°	106' 11"	25,240	24,100
	60'	60°	101' 9"	19,380	18,510
	70'	54°	95' 2"	15,380	14,700
	80'	47°	86' 10"	12,470	11,930
	90'	39°	76' 1"	10,250	9,840
	100'	30°	61' 6"	8,480	8,190
	110'	17°	38' 2"	7,020	6,220
120'	25'	80°	125' 0"	68,550	—
	30'	78°	124' 0"	52,220	—
	35'	75°	122' 10"	41,740	—
	40'	73°	121' 5"	34,470	—
	50'	68°	117' 10"	25,040	—
	60'	63°	113' 2"	19,170	—
	70'	57°	107' 4"	15,170	—
	80'	51°	100' 1"	12,260	—
	90'	45°	91' 0"	10,040	—
	100'	37°	79' 6"	8,290	—
	110'	29°	64' 1"	6,860	—
	120'	16°	39' 7"	5,650	—

BOOM			Point Ht. W	With Boom Gantry 1½" dia. Ext.	With No Boom Gantry 1½" dia. Ext.
Length	Radius	Angle			
130'	25'	81°	135' 2"	65,310*	—
	30'	79°	134' 2"	52,050	—
	35'	77°	133' 2"	41,560	—
	40'	74°	131' 10"	34,270	—
	50'	70°	128' 7"	24,820	—
	60'	65°	124' 4"	18,950	—
	70'	60°	119' 1"	14,940	—
	80'	55°	112' 8"	12,030	—
	90'	49°	104' 9"	9,820	—
	100'	43°	95' 0"	8,070	—
	110'	36°	82' 10"	6,660	—
	120'	27°	66' 7"	5,470	—
130'	15°	41' 0"	4,450	—	
140'	30'	80°	144' 7"	51,870	—
	35'	77°	143' 5"	41,360	—
	40'	75°	142' 3"	34,060	—
	50'	71°	137' 4"	24,590	—
	60'	67°	135' 4"	18,710	—
	70'	62°	130' 6"	14,710	—
	80'	57°	124' 8"	11,790	—
	90'	52°	117' 8"	9,580	—
	100'	47°	109' 2"	7,840	—
	110'	41°	98' 11"	6,420	—
	120'	35°	86' 0"	5,250	—
	130'	26°	68' 11"	4,260	—
140'	15°	42' 3"	3,380	—	
150'	30'	80°	154' 7"	50,110*	—
	35'	78°	153' 8"	41,150	—
	40'	76°	152' 6"	33,840	—
	50'	72°	149' 9"	24,360	—
	60'	68°	146' 2"	18,470	—
	70'	64°	141' 9"	14,460	—
	80'	60°	136' 5"	11,540	—
	90'	55°	130' 1"	9,330	—
	100'	51°	122' 6"	7,590	—
	110'	45°	113' 6"	6,180	—
	120'	40°	102' 7"	5,010	—
	130'	33°	89' 0"	4,030	—
140'	26°	71' 3"	3,180	—	
150'	14°	43' 6"	2,420	—	



MAXIMUM BOOM LENGTHS MACHINE WILL HANDLE WITHOUT ASSISTANCE ^⑤		"HI-LITE" BOOM	
		Ctwt. "A"	Ctwt. "AB"
Machine will pick off ground over ends	_____	200'	200'
Machine will pick off ground over sides	_____	180'	200'
Machine will pick off ground over ends	_____	180' + 30' jib	200' + 60' jib
Machine will pick off ground over ends	_____	170' + 60' jib	
Machine will pick off ground over sides	_____	150' + 30' jib	200' + 30' jib
Machine will pick off ground over sides	_____	140' + 60' jib	190' + 60' jib
Machine will pick off ground over ends _____ Machine will pick off ground over sides _____ Machine will pick off ground over ends _____ Machine will pick off ground over sides _____ Machine will pick off ground over sides _____		ANGLE BOOM*	
		150'	_____
		150'	_____
		150' + 40' jib	_____
		140' + 40' jib	_____
⑤ Equipped with boom gantry and 1 1/4" diameter extender cables.			
MAXIMUM BOOM LENGTHS FOR SAFE TRAVEL (BOOM HORIZONTAL) ^⑥		"HI-LITE" BOOM	
		Ctwt. "A"	Ctwt. "AB"
		160'	200'
		140'	190'
		130' + 45' jib	180' + 30' jib
		120' + 60' jib	170' + 60' jib
		110' + 30' jib	160' + 30' jib
		100' + 60' jib	140' + 60' jib
Boom over ends machine will travel with _____ Boom over sides machine will travel with _____ Boom over ends machine will travel with _____ Boom over ends machine will travel with _____ Boom over sides machine will travel with _____ Boom over sides machine will travel with _____		ANGLE BOOM*	
		150"	_____
		130'	_____
		130' + 20' jib	_____
		110' + 30' jib	_____
*Counterweight "AB" is not available with Angle Boom.			
⑥ Equipped with boom gantry, 1 1/4" diameter extender cables and hook blocks on both main hoist line and jib whipline capable of handling maximum machine capacity.			

WEIGHT DEDUCTIONS FOR TRANSPORTING

Both side frames with standard 38" wide track shoes	46,390 lbs.
Both side frames with optional 44" wide track shoes	47,590 lbs.
Counterweight "A"	24,000 lbs.
Counterweight "AB"	63,000 lbs.
50' angle lifting crane boom and extender cables	6,470 lbs.
50' angle clamshell or dragline boom and extender cables	6,190 lbs.
50" "Hi-Lite" lifting crane boom and extender cables	5,200 lbs.
Boom gantry and boom hoist bridle	4,660 lbs.
Hoe attachment and standard bucket	23,230 lbs.

NOTE: See price list for weights of other optional equipment.



Link-Belt Speeder

DIVISION OF FMC CORPORATION

Cedar Rapids, Iowa • Woodstock, Ontario, Canada • Queretaro, Mexico • Milan, Italy

GENERAL INFORMATION ONLY