

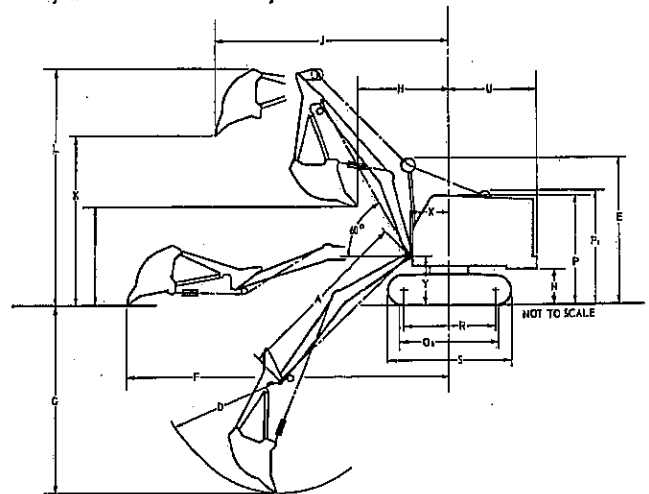
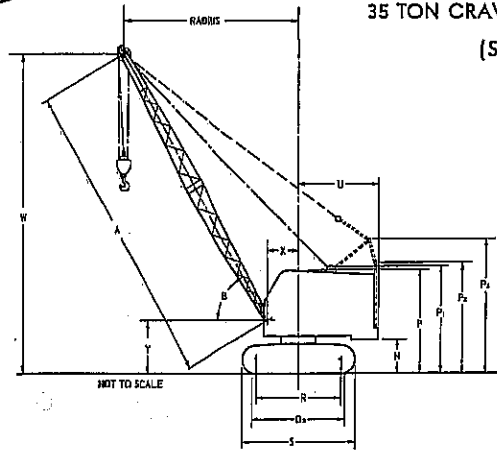
**LINK-BELT
SPEEDER**

LS-98LC Lifting Crane and Hoe Flysheet

(LS-98LC LOWER 10'8" GAUGE X 15'0" LONG OVER-ALL)

35 TON CRAWLER MOUNTED CRANE (PCSA CLASS 10-94)

(Supersedes Flysheet CRF4119-6-63)



CRANE DIMENSIONS

Basic boom length	A	40' 0"
Ground clearance counterweight "ABC" and "ABCD"	N	3' 1"
Over-all height retractable gantry lowered ^①	P2	11' 8"
Over-all height retractable gantry raised	P3	15' 0"
Tailswing counterweight "ABC" and "ABCD"	U	11' 0"
Radius of boom hinge pin	X	3' 2"

^① With boom suspension slack. When boom is supported by the mast, over-all height of mast bail is 12'0".

GENERAL DIMENSIONS COMMON TO BOTH CRANE AND HOE

Ground clearance counterweight "AB"	N	3' 4"
Crawler ground bearing length	O5	13' 3"
Over-all cab height	P	10' 9"
Over-all cab height with side frames removed	P	9' 7"
Over-all height low gantry	PI	11' 2"
Center to center of wheels	R	12' 3"
Over-all crawler length	S	15' 0"
Tailswing counterweight "AB"	U	11' 0"
Height of boom hinge pin	Y	5' 6"
Minimum ground clearance		1' 2"
Over-all width with side frames extended		
With 24" wide track shoes		12' 8"
With 30" wide track shoes		13' 2"
With 36" wide track shoes		13' 8"
With 42" wide track shoes		14' 2"
Over-all width with side frames retracted		
With 24", 30" or 36" wide track shoes (over cross axes)		11' 11"
With 42" wide track shoes ^② (over shoes)		12' 5"
Width of cab		8' 0"
Over-all shipping width—side frames removed and cross axes in line with upper		8' 7"

^② Travel with side frames retracted when equipped with 42" wide track shoes is not recommended due to possible interference between shoes and lower flange of ring gear.

BRIEF SPECIFICATIONS

LIFTING CRANE AND CLAMSHELL

Approximate working weight with 40' angle boom, 24" wide track shoes, retractable high gantry, counterweight "AB", but no bucket, hook block or tagline winder ----- 61,700 lbs.

Swing speed	4 r.p.m.
Lifting Crane Lagging	Line Pull
13 1/4" hoist (front)	23,100 lbs. @ 146 f.p.m.
13 1/4" hoist (rear)	22,400 lbs. @ 146 f.p.m.
Clamshell Lagging	Line Speed
15 1/4" closing (front)	20,200 lbs. @ 167 f.p.m.
15 1/4" holding (rear)	19,600 lbs. @ 167 f.p.m.

DRAGLINE

Approximate working weight with 40' angle boom, 24" wide track shoes, retractable high gantry, counterweight "AB", but no bucket ----- 62,280 lbs.

Swing speed	4 r.p.m.
Lagging	Line Pull
13 1/4" haul (front)	23,100 lbs. @ 146 f.p.m.
15 1/4" hoist (rear)	19,600 lbs. @ 167 f.p.m.

HOE WORKING RANGES	20' BOOM	23' BOOM
Bucket capacity, cubic yards	I	I
Bucket cutting width: (standard)	43"	43"
Boom length	A	20' 0"
Average sweep radius	D	12' 10"
Height of hoe mast	E	17' 5"
Maximum digging radius	F	39' 4"
Maximum digging depth ^⑥	G	26' 2"
Radius beginning of dump	H	12' 9"
Ground clearance beginning of dump	I	11' 3"
Clearance radius end of dump	J	28' 0"
Ground clearance end of dump	K	22' 10"
Over-all height end of dump	L	28' 8"
Radius of boom hinge pin	X	3' 11"

^⑥ Dimension "G" shows maximum digging depth with 55' boom. The digging depth with 45' boom per U.S. Department of Commerce Standards is 20'9" with the 20' boom and 23'7" with the 23' boom. The maximum "effective" digging depth will vary with the type of soil and excavation.

BRIEF SPECIFICATIONS

HOE

Approximate working weight with 24" wide track shoes, low gantry, counterweight "AB"

20' boom	65,830 lbs.
23' boom	66,030 lbs.
Swing speed	4 r.p.m.
Lagging	Line Pull
13 1/4" haul (front)	23,100 lbs. @ 146 f.p.m.
15 1/4" hoist (rear)	19,600 lbs. @ 167 f.p.m.

HOE LIFTING CAPACITIES (WITH SIDE FRAMES EXTENDED)

These are maximum lifting capacities for the hoe when used for laying pipe. Three part hoist line used.

BOOM		CAPACITIES
Length	Radius ^③	
20'	15' to 24'	8,600 lbs.
23'	16' to 27'	6,800 lbs.

^③ 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.

CRAWLER

24" wide track shoes standard; 30", 36", and 42" wide track shoes optional at extra cost. Two speed travel standard: .79 m.p.h. in low; 1.78 in high. Independent swing and travel optional at extra cost.

POWER UNITS

Suitable for operation up to 4,000 feet above sea level. For operation at higher altitudes consult factory.

Standard—Waukesha 140GZ gasoline engine with friction clutch, 6 cylinder, 109 net h.p. @ 1710 r.p.m. full load speed.

Optional at extra cost—Gasoline: Waukesha with hydraulic coupling or torque converter or two-speed Cotta transmission.
Diesel: Caterpillar, Cummins and General Motors.