L-790 CRAWLER

..... GM6-71 TC, 6 cyl.

First Layer

First Layer Rear Drum 25" P.D. Lagging — 30,177 # @ 157 F.P.M. 23,670 # @ 201 F.P.M.

> 25" P.D. Lagging — 63,975 # @ at converter stall 20" P.D. Lagging — 78,337 # @ at converter stall

Swing Speed 0-4 R.P.M.

Hoist and Derricking Clutches Metered Air Swing Independent Hydraulic

Boom Hoist Dual Drum, Spur Gear Driven Boom Operation Derricking, Lowering, by Air-Operated Clutch Gantry Power Operated Back Hitch Counterweight, (with Hydraulic Kit for Removal) 19,000 & 29,000 lbs. Turntable Connection Internal Gear Shear-Ball

Tread Shoe Width

20" P.D. Lagging — 36,951 # @ 126 F.P.M. 24,437 # @ 190 F.P.M.

25"P.D. Lagging-30,177 # @ 157 F.P.M.

25" P.D. Lagging-29,561 # @ 157 F.P.M.

TURNTABLE SPECIFICATIONS

OPERATING CHARACTERISTICS

Line Pulls and Line Speeds:

Power

Diesel ...

Crane, Clamshell

Rear Drum

Front Drum

Front Drum

Rear Drum

Front Drum

Other Equipment

Line Pulls and Speeds:

Dragline

SPECIFICATIONS

BOOM EQUIPM Crane Boom —	For lifting crane with offset, long tapered and hammerhead boon
	Square-Tubular-Chor
	— Offset Boom Peak
	Long Tapered Boom Peak
	Hammerhead Boom Peak 28 ft., 3-ft. top, 25-ft. bas
Type of Conn	ection Pin-Connecte
Number of Hois	st Line Sheaves at Boom Head on Anti-Friction Bearings
	Offset
	Long Tapered
	Hammerhead
	(Additional Sheave Available for Offset and Hammerhead Tips
Derricking an	d Lowering Power
Derricking an Boom Hoist D	d Lowering Powe
Derricking an Boom Hoist D Harness Exter	d Lowering Powe Drums Availabl Advailabl
Derricking an Boom Hoist D Harness Exter	d Lowering Powe Drums Availabl

Lifting Crane Component	
Laggings	Two, 25 in. P.D. Full Width
Floating Harness	16 Parts of Line
Swing Brake	External Contracting Shoe Brake
Boom Stops	Telescopic Type
Power Load Lowering (both hoist drums)	Available
Third Drum	Available
High Speed Hoist	Available
Clamshell Equipment	

Clamshell Equipment		
Laggings		Two, 25 in. P.D. Full Width
Tagline		
Oragline Equipment		
Lagginge	Hoist 25 in P.D.	- Drag 20 in P.D. Full Width

Laggings	Hoist 25 in. P.D. — Drag 20 in. P.D. Full Width
Fairlead	Full Revolving Type, with Front Rollers
	(Anti-Friction Bearings Throughout)
2-22 in. P.D. Single Centralized Hoist	Line Sheaves
on Anti-Friction Bearings on Long T	apered Boom Peak Standard

CRAWLER SPECIFICATIONS APPROXIMATE SHIPPING WEIGHTS*

Full Drum

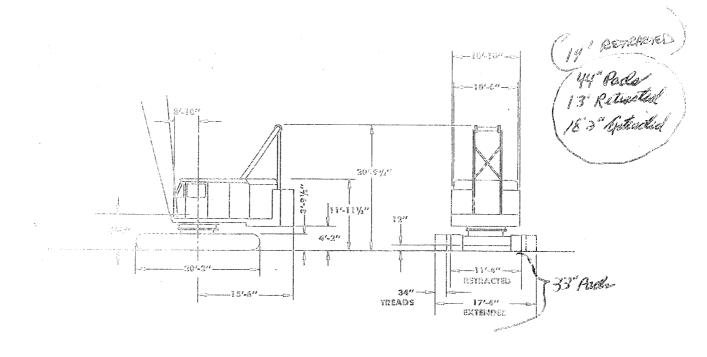
23,670 # @ 201 F.P.M.

23.186 # @ 201 F.P.M.

Weights: (Approximate Shipping Weights for Standard Equipped Machines with Basic				
Boom, No Extra Equipment)				
Lifting Crane	169,000			
Lifting Crane and Clamshell	170,000			
Lifting Crane and Dragline	174,000			
Weight of unit may be reduced 48,000 lbs. by taking off removable counterw	eights —			
(hydraulic removal kit standard). Additional reductions may be made by re	moval of			

side frames with treads and driving mechanism, 40,000 lbs.

Crawler Travel Speeds (Available in both directions) Low Travel Speed 0 to .6 M.P.H. High Travel Speed 1.2 M.P.H. Crawler Tread-Travel Lock Hydraulically operated multiple disc brake.
Crawler Controls Full hydraulic control of travel, steer and brakes. Hydraulic motors on each side frame drive each track independently. Oil-bath-enclosed reduction. — planetary final drive.



REVIEW THE FOLLOWING NOTES BEFORE USING THIS SPECIFICATION TO DETERMINE ALLOWABLE BOOM LENGTHS. RADIUS AND WEIGHT OF LOAD IN POUNDS PERTAIN TO THIS MACHINE AS ORIGINALLY MANUFACTURED AND EQUIPPED.

NOTES:

- 2. The rated loads (Column & & C) as determined by boom length, radius and weight of load apply to this machine as originally manufactured and equipped and as mounted on a Lorain manufactured L-790 crawler. THEY ARE MAXIMUM lifting capacities and comply with standards of the Power Grane & Shovel Association as issued by the U.S. Department of Commerce Commercial Standard CS90-58 and the SAE Grane Load Stability Yest Code 1765.
- Ia. DO NOT TIP the machine to determine the allowable loads. Kated load should not be exceeded. Rated loads are based on 75% and 85% of stability except where identified with bold face type in which case they are based on machinery and structural strength.
- 1b. The rated loads (Column B and D) do not exceed 85% stability.
- is. Do not exceed the rated supporties when lifting over a corner.
- Is all taled touch are based on the macking being on a firm, level and adherer supporting vertices. Refere litting at, or mean, rated locals, the activation of outlies be beseted with a commercial level in two liberations. Full scaled Wonderlas alphas THE TREE, is expected to make the texturence for the politicist, job conditions such as Soften and the politicist, and locals, we mistant with a job to a real conditions of the politicist problem conditions, and locals, we mistant with a job to a section of the second of the following the following the second of the second

- by the manufacturer BEFORE operating this machine, and Rules for Safe Operation of equipment should be adhered to at all times. Operators and supervisors should also acquaint themselves with Standard Safety Codes for Cranes, Derricks and Hoists, ASA-B 30.2-1943 (R-1952).
- All lifting must be done with gantry erected. When working conditions will not permit erected gantry, consult Lorain for proper capacity chart.
- Boom over 170 ft. long requires mast in addition to erected gantry. Mast with erected gantry may also be used with boom lengths of 170 ft. and under.
- 1g. Waximum counterweight suitable for lifting crane service only, CRAWLERS MUST BE FULLY EXTENDED.
- Standard countertraight seitable for lifting orang, dragtine and clausshe'l service.
- The total weight of header plus lead must not enceed 80% of value office departure with standard communication—arounder and radial in Johann U, or to a morning of the 600 his for designing service on a 17 year harm of a decimal for the
- In this offers the constant figure and the constant of the first has a first section.