

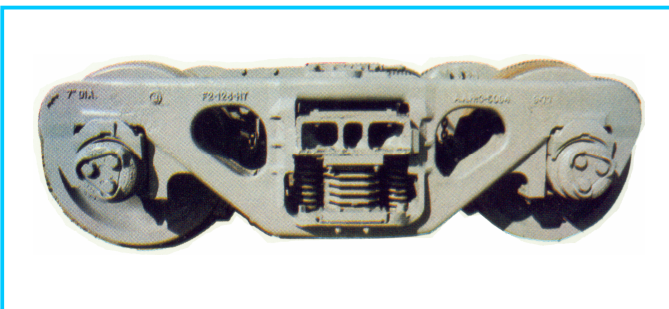
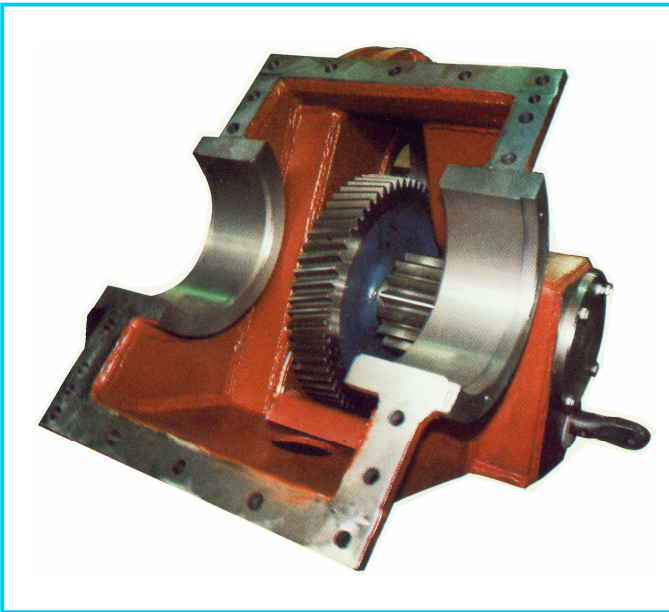


**DIESEL ELECTRIC  
LOCOMOTIVE CRANES**

## Trucks, Travel Gearing

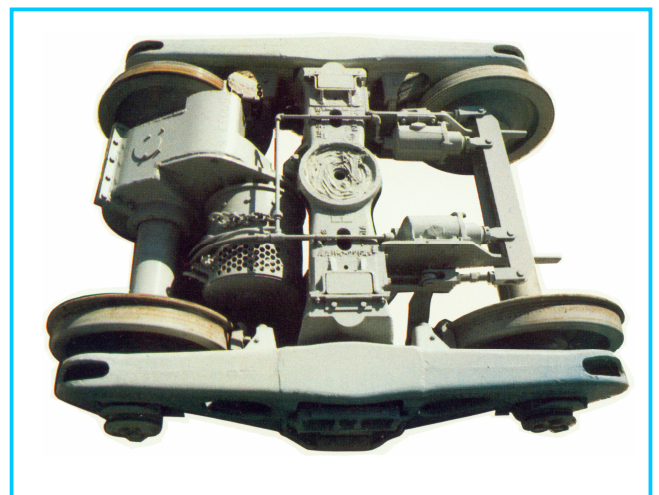
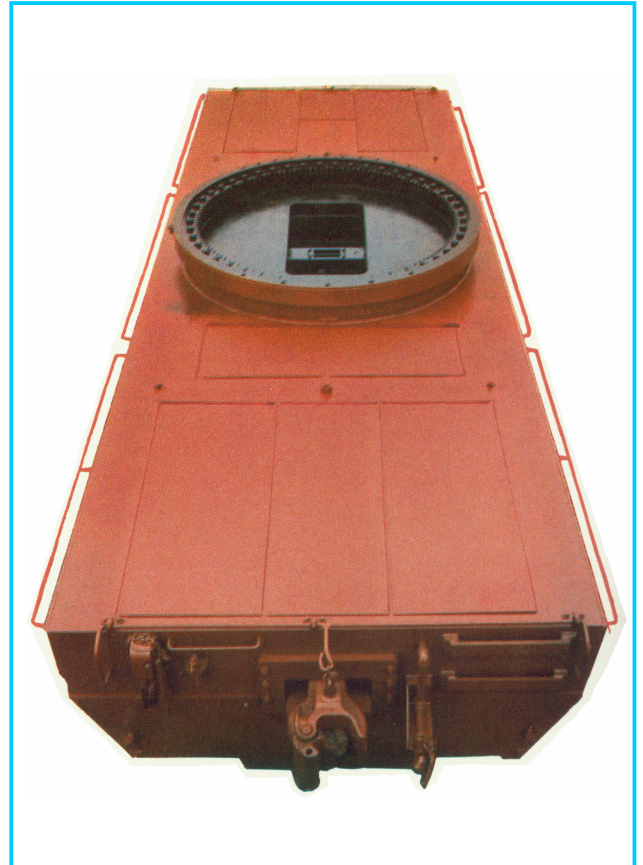
Two, 4-wheel swiveling trucks, with 56 ½" gauge, support and transport the Ohio Locomotive Crane. Each truck is equipped with 33 inch multiple wear rolled steel car wheels pressed on forged steel axles. Rubber load suspension packs eliminate potential spring breakage problems while minimizing longitudinal pitching and traverse rocking action. Two 7 x 8 inch cylinders per truck provide the Ohio Crane with more than adequate braking power. In addition a manually applied hand brake is furnished on one truck.

Flange-mounted to all welded steel gear cases, 115 H.P, traction motors provide the Ohio crane with smooth yet powerful traction performance. Standard equipped cranes are capable of obtained a truck speed up to 15 mph. An optional Field Shunting and 4-motor travel is also available should higher speeds be required. Ohio's standard quick travel gearing disengagement feature minimizes time required for preparing the Ohio crane for in-train transit



## Carbody

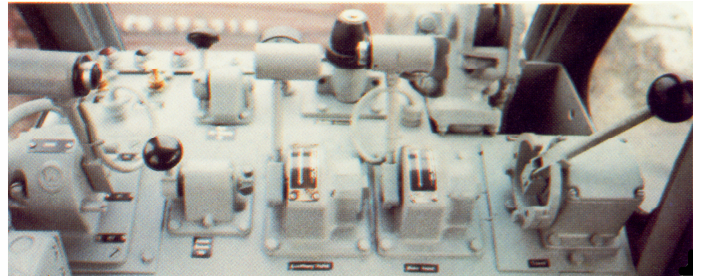
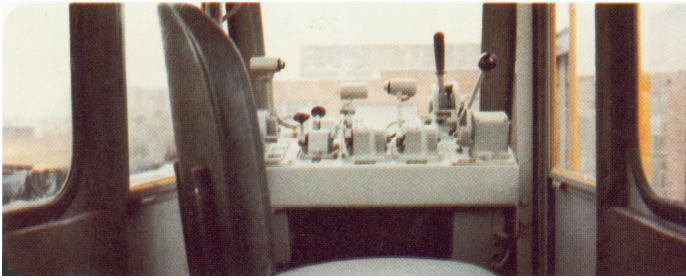
Rugged all-welded extra heavy construction carbody's give Ohio's rock solid stability with no racking or twisting even under the heaviest of loads. Standard built-in features include: removable Outrigger Plates, manually extended Heavy Beam Outriggers, Anti-Skid Deck Plates, A.A.R. approved Hand grabs and Footsteps and A.A.R. Type "E" Top Operated Couplers.



## Cab Design

Ohio's forward cab design provides the operator with the ultimate in operator convenience, comfort and efficiency. Full-vision cab is positioned well forward and the carefully designed control console and all activators arranged in related positions. All within easy grasp, assure maximum operator efficiency . . . even after long hours of continuous operation. Large safety glass windows allow for excellent vision in all directions.

The cab and machinery housing are fabricated of heavy-gauge steel. Engineered arrangement of all components permit exceptional accessibility and freedom of movement within. A convenient walk through door to the machinery compartment insulates the operators from both heat and noise, in addition to the operators cab being completely insulated with acoustical foam. Built-in steps and hand grabs add to operator safety.

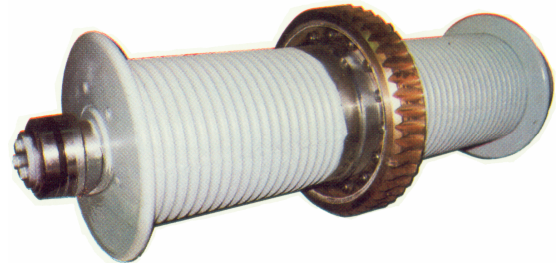
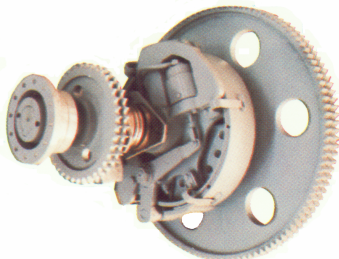


## Main Drive

Functioning as the heart of the operating mechanism, the main disconnect clutch shaft receives its power via a smooth running Cog Belt. An efficient 20" external air controlled, self-adjusting clutch band provides positive engagement or disengagement of the operating machinery. Turning on anti-friction bearings assures smooth trouble-free operation.

## Boom Hoist Drum

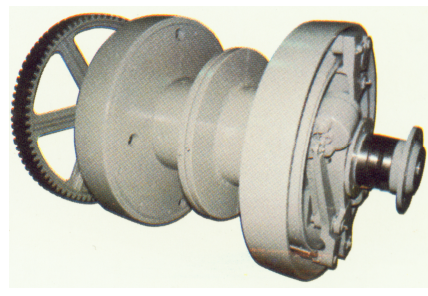
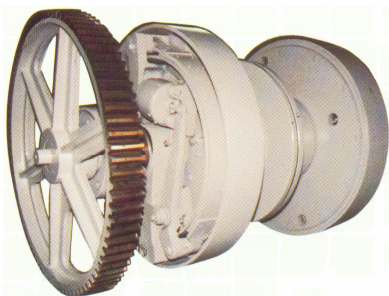
This durable cast drum features a machine-cut worm gear which mates with the separator's worm shaft to provide the Ohio crane with accurate and positive control of the boom hoisting operation. This shaft, . . . as all Ohio shafting, . . . turns in anti-friction bearings to assure the utmost in smoothness and reduces the maintenance to a minimum.



## Main Hoist

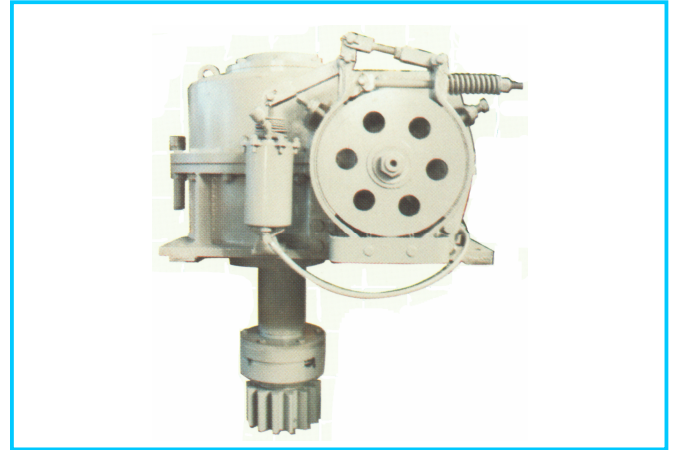
Safety . . . Sensitivity . . . Smooth Operation. These features distinguish the dependable hoisting mechanism of the Ohio Locomotive Crane. Absolute and smooth control of the main hoist operation is assured by dual, contracting clutch bands.

This design with an air cylinder for each half band provides for easy adjustment and automatic equalization – eliminates drag – and gives the operator the sense of "feel" for each specific load.



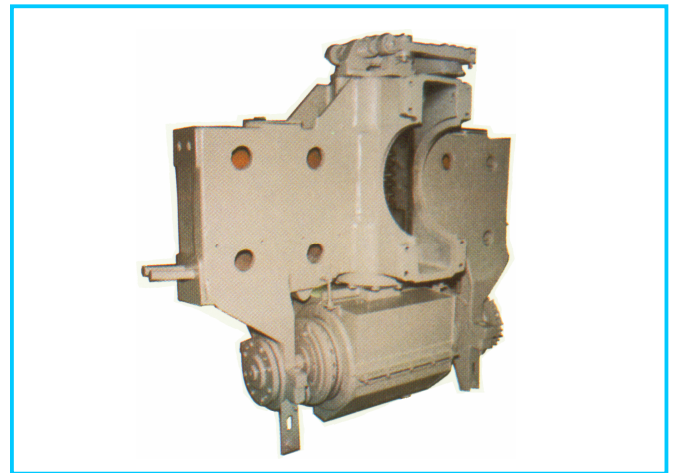
## Rotate Gearing

To achieve the strongest, most efficient and trouble free rotating mechanism available today, the Ohio crane has its own rotating worm and pinion drive (20:1 ratio) and combined it to a special anti-friction bearing rotating ring. Results in a lower center of gravity, positive centering, direct power, a simplified operating mechanism and faster, a smooth, more efficient performance.



## Separator

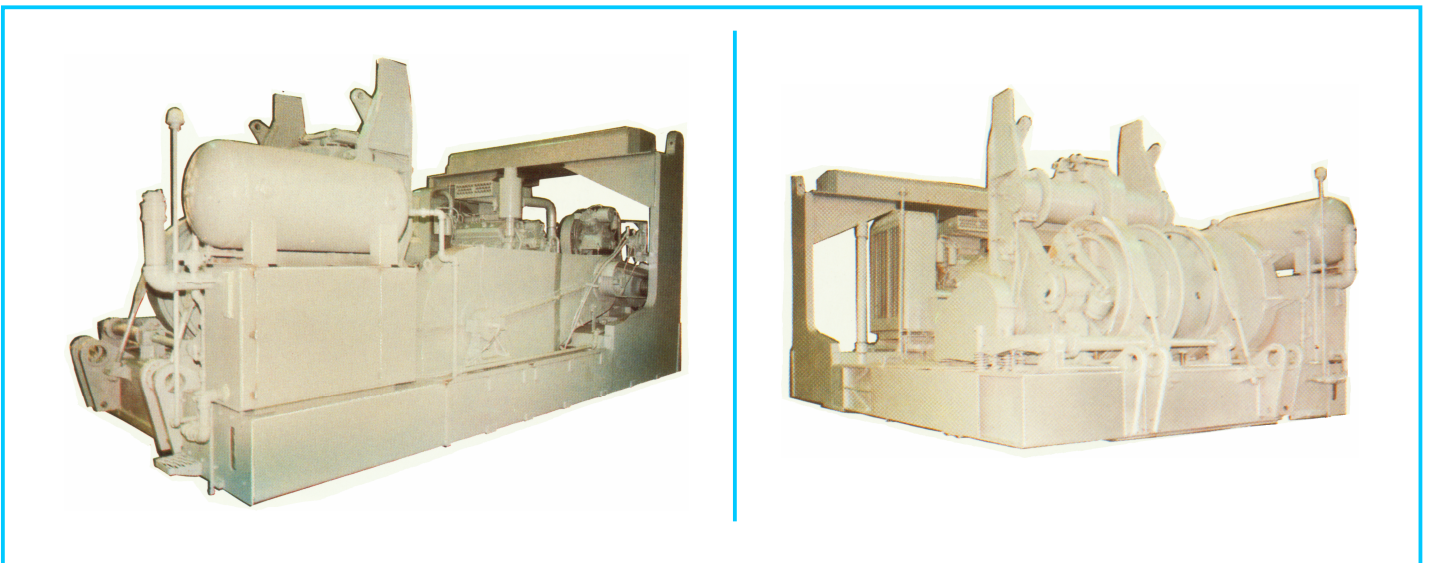
The Ohio's boom hoist mechanism is equipped with self adjusting, function disc type clutches. Actuated by a double acting control valve. Precise boom positioning either up or down is achieved by means of a high worm gear drive ratio 46 to 1. For maximum safety in boom hoisting operations, an automatic spring set/air released braking mechanism instantaneously engages when the self-centering control valve is returned to neutral or when a pre-set hoisting limit is achieved.



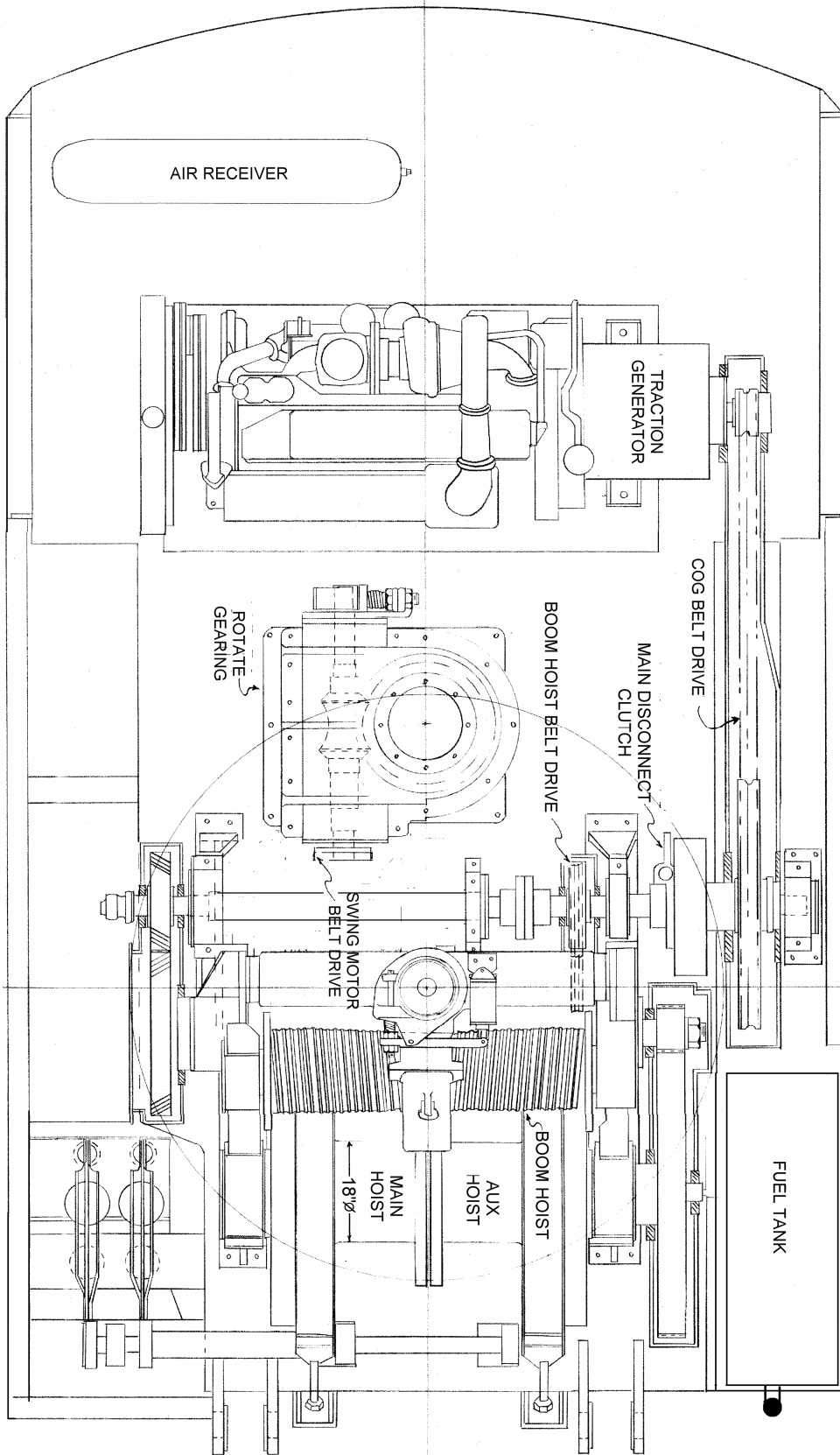
## Rotate Base

Advanced engineering in the all-welded steel design affords easy accessibility to all components . . . a must for fast and easy maintenance. Carefully engineered placement of machinery, complimented by large access doors and panel in the machinery house substantially reduce the time and effort required to perform normal

servicing or maintenance functions. In addition, the base is carried on the carbody by an Anti-Friction Bearing rotating ring, which eliminates the need for a center pin, as a hold-down and centering device.



# ROTATE BASE LAYOUT



## Specifications

### Standard Trucks:

Fabricated to AAR standards  
Cast steel side frames and bolsters  
Two, - four-wheel, swivel-type  
56-1/2" - standard wheel gauge  
33" multiple wear Steel carwheels  
Forged steel axles  
6-1/2" x 12 anti-friction roller bearing journals  
7" x 12" Anti-friction roller bearing journals  
(DE-600 & DE-650 only)  
Bolster springs or rubber load suspension  
Sliding wedges on top of side frames  
Four, 7' x 8" brake cylinders for 8-wheel braking  
One, manual handbrake for 4 - wheel braking

### Standard Traction Equipment:

Two, 115 horsepower traction motors  
Enclosed travel gearing in oil bath lubrication  
Quick disengaging travel arrangement  
Gear ratios:  
15.1:1 – Models DE 300S & DE 400  
14.98:1 – Models DE 600 & DE 650  
One traction generator coupled to engine flywheel  
Clearance – top rail to bottom of gear case  
4-3/4" – Models DE 300S & DE 400  
4-1/16" – Models DE 600 & DE 650

### Standard Carbody:

All welded, extra heavy-duty, steel construction  
Anti-friction bearing rotating ring  
AR approved hand grabs and foot steps  
Anti-skid deck plates  
Manual sliding beam type outriggers  
Top operated type "E" couplers  
Removable outrigger pockets

### Standard Rotating Deck:

All welded, heavy-duty, steel construction  
Fully counterweighted at factory (option)  
200 gallon fuel tank with gauges  
Functionally designed shafting  
Arrangement for easy access to all shafting and operating mechanism

### Standard Cab:

Heavy gauge sheet metal panel-type construction  
Interconnecting walkway between machine house and operators cab with insulated door  
Operators cab is insulated with acoustical foam  
Safety glass furnished throughout  
Functionally located control equipment  
Air operated horn  
Windshield wiper and cab heater  
20 lb Ansul fire extinguisher  
Sliding front and side cab windows

### Standard Cab:

24 volt, 115 ampere alternator  
Two, - 150 watt flood lights on cab front  
One, - 150 watt flood lights in boom  
One, - 25 watt red tail light  
One, - 50 watt light in operator cab  
Four, - 50 watt lights in machinery house  
One, - 24 volt receptacle in operator cab  
Batteries: Two, heavy duty 12 volt connected in series providing necessary power

### Standard Boom and Rigging:

50 ft. standard two piece Bolt connected boom.  
5 ft. and 10 ft. center section available  
Welded lattice-type construction of high strength low alloy chord angles with heavy duty pipe lacing  
Anti-friction boom point sheaves:  
Two - 30" sheaves: Model DE-300S  
Three - 30 sheaves: Model DE-400  
Five - 30 sheaves: Model DE-600 & DE-650  
Single, 7/8" Boom Hoist Cable:  
8 parts: Models DE-300S & DE-400  
12 parts: Models DE-600  
Spring cushioned telescopic boom stops  
Automatic / adjustable boom hoist limit switch  
Main hoist cable: 7/8"  
Auxiliary hoist cable: 7/8"

### Standard Machinery:

#### Power Unit

Detroit Diesel: Series 60 is standard  
Cummins and Caterpillar are optional  
Indicator light for low oil pressure & high water temperature

## & Accessories

### Rotating Mechanism:

Graduated, electric powered rotate system  
 Belt Drive System  
 Worm gear drive: 20:1 ratio  
 Spring set / Air release brake  
 All welded steel gear case

### Boom Hoisting Mechanism:

Worm gear drive: 46:1 ratio  
 Belt Drive System  
 Power boom, raising and lowering  
 Graduated air control boom hoist lever  
 Self adjusting disc clutches  
 Automatic spring set / Air release brake

### Hoisting Mechanism:

Double hoisting drums  
 Independent operation  
 18 inch split lagging  
 Split, external band type clutches - self adjusting  
 Graduated air controls

### Hoisting Brake Mechanism:

External contracting type brake bands  
 Air assist treadle brakes  
 Independent parking brake valves on operator console.  
 Spring set / Air release braking – via a mechanical linkage insures positive braking in the event of an air failure

### Weights:

Model:	Average Est. Working Wt.
DE-300S	221,000 lbs.
DE-400	241,400 lbs.
DE-600	300,000 lbs.
DE-650	310,000 lbs. (4- Motor Drive)

### Performance Data:

Maximum travel speed  
 No load on straight track: 15 mph  
 Maximum grade no load: 8%  
 Hoisting speed: approx. 220 fpm  
 Single Line Pull: 22,000 lbs.  
 Engine speed: 1880 rpm  
 Rotating speed: 2.0 to 2.5 rpm

#### Draw Bar Pull - 2 Motor Travel Drive

Model	Starting	@ 2 mph
DE-300S	24,677 lbs.	16,892 lbs.
DE-400	24,384lbs.	16,795 lbs.
DE-600	23,215 lbs.	16,405 lbs.
DE-650	23,215 lbs.	16,405 lbs.

#### Draw Bar Pull - 4 Motor Travel Drive

Model	Starting	@ 2 mph
DE-600	32,750 lbs.	25,250 lbs.
DE-650	32,750lbs.	25,250 lbs.

### Accessories:

#### To Meet Your Every Need

Dual Mode Load Hoisting & Lowering System  
 Magnet Control System  
 Travel Plugging System  
 Field Shunting System  
 Travel Overload Alarm  
 Travel Warning Bell  
 Elevated Operators Cab  
 Straight and Automatic Air Brakes (Class III)  
 Boom Center Sections  
 Integral Jib Section  
 Fairlead Assembly  
 Engine Starting Aids  
 Load Indicating Systems  
 Two Blocking Systems  
 Hydraulic Elevated Gantry  
 Track Sanders  
 Pile Driving Attachment  
 Hook Blocks, Magnets & Buckets  
 Air Conditioning System  
 24 Volt to 12 Volt Converters  
 Additional Lighting  
 Remote Control Flood Light  
 4-Motor High Speed Travel

# OHIO LOCOMOTIVE CRANE

## LOAD CAPACITIES \*

\* CAPACITIES BASED ON LOW GANTRY

\* WHEN USING 5 FT. INTEGRAL JIB, DEDUCT 500 LBS. FROM EACH RATING

### DE-300S: 37 / 40 TON CRANE WITHOUT OUTRIGGERS

Radius Ft.	50' Boom	55' Boom	60' Boom	65' Boom	70' Boom	75, Boom
12	74,000	-	-	-	-	-
13	67,000	66,700	-	-	-	-
14	61,000	60,700	60,000	-	-	-
15	55,800	55,400	55,000	54,600	-	-
17	47,500	47,300	47,000	46,700	46,400	46,000
20	38,800	38,400	38,000	37,600	37,300	37,000
25	29,200	29,000	28,700	28,400	28,100	27,800
30	23,200	22,900	22,600	22,300	22,000	21,700
35	19,000	18,700	18,400	18,100	17,800	17,500
40	15,900	15,700	15,500	15,300	15,100	14,900
45	13,500	13,200	12,900	12,600	12,400	12,200
50	11,600	11,300	11,000	10,800	10,600	10,400
55	-	9,900	9,700	9,500	9,200	8,900
60	-	-	8,400	8,100	7,900	7,600
65	-	-	-	7,000	6,800	6,600
70	-	-	-	-	6,000	5,700
75	-	-	-	-	-	5,000

### WITH OUTRIGGERS

Radius Ft.	50' Boom	55' Boom	60' Boom	65' Boom	70' Boom	75' Boom
12	80,000	-	-	-	-	-
13	75,200	74,700	-	-	-	-
14	71,000	74,500	70,100	-	-	-
15	67,000	66,500	66,200	65,600	-	-
16	63,400	62,900	62,600	62,000	61,600	-
17	60,200	59,700	59,400	59,000	58,500	58,000
20	52,200	51,700	51,400	51,000	50,500	50,000
25	42,600	41,100	40,800	40,400	40,000	39,500
30	35,700	35,200	34,900	34,500	34,000	33,500
35	30,600	30,100	29,800	29,400	29,000	28,500
40	24,800	24,300	24,000	23,600	23,000	22,500
45	19,800	19,300	19,000	18,600	18,000	17,500
50	13,600	13,100	12,800	12,400	11,800	11,300
55	-	11,600	11,100	10,800	10,400	9,900
60	-	-	9,800	9,500	9,100	8,600
65	-	-	-	8,400	8,100	7,700
70	-	-	-	-	7,000	6,000
75	-	-	-	-	-	5,000

### DE-400: 40 / 50 TON CRANE WITHOUT OUTRIGGERS

Radius Ft.	50' Boom	55' Boom	60' Boom	65' Boom	70' Boom	75, Boom
12	80,000	-	-	-	-	-
13	71,800	71,400	-	-	-	-
14	65,300	64,800	64,500	-	-	-
15	60,000	59,200	58,700	58,400	-	-
16	55,000	54,500	54,000	53,700	53,400	-
17	50,800	50,300	49,800	49,500	49,200	49,000
20	41,400	41,000	40,500	40,200	39,900	39,600
25	31,300	30,900	30,400	30,100	29,800	29,500
30	25,000	24,400	24,000	23,700	23,400	23,100
35	20,300	19,900	19,500	19,200	18,900	18,600
40	17,000	16,600	16,200	15,900	15,600	15,300
45	14,500	14,100	13,700	13,400	13,100	12,800
50	13,000	12,100	11,800	11,500	11,200	10,900
55	-	10,600	10,200	9,800	9,500	9,200
60	-	-	8,900	8,600	8,300	8,000
65	-	-	-	7,400	7,200	6,900
70	-	-	-	-	6,200	5,900
75	-	-	-	-	-	5,100

### WITH OUTRIGGERS

Radius Ft.	50' Boom	55' Boom	60' Boom	65' Boom	70' Boom	75' Boom
12	100,000	-	-	-	-	-
13	93,300	92,800	-	-	-	-
14	87,800	87,300	86,800	-	-	-
15	83,000	82,300	81,800	81,300	-	-
16	78,600	78,100	77,600	77,000	76,500	-
17	74,400	73,900	73,400	73,000	72,500	72,000
18	70,800	70,300	69,800	69,300	68,900	68,400
19	67,600	67,100	66,600	66,000	65,500	65,000
20	65,000	64,100	63,600	63,000	62,500	62,000
25	52,500	52,000	51,500	51,000	50,500	50,000
30	44,000	43,500	43,000	42,500	42,000	41,500
35	37,700	37,200	36,700	36,200	35,700	35,200
40	33,000	32,300	31,800	31,300	30,800	30,300
45	29,000	28,500	28,000	27,500	27,000	26,500
50	21,000	20,500	20,000	19,500	19,000	18,500
55	-	18,500	18,500	17,500	17,000	16,500
60	-	-	15,000	14,500	14,000	13,500
65	-	-	-	13,500	13,000	12,500
70	-	-	-	-	11,000	10,500
75	-	-	-	-	-	10,000



# OHIO LOCOMOTIVE CRANE

## LOAD CAPACITIES \*

\* CAPACITIES BASED ON LOW GANTRY

\* WHEN USING 5 FT. INTEGRAL JIB, DEDUCT 500 LBS. FROM EACH RATING

### DE-600: 55 / 80 TON CRANE WITHOUT OUTRIGGERS

Radius Ft.	50' Boom	55' Boom	60' Boom	65' Boom	70' Boom	75, Boom
12	115,000	-	-	-	-	-
13	103,500	102,000	-	-	-	-
14	93,800	93,500	93,200	-	-	-
15	86,100	85,800	85,400	85,100	-	-
16	79,000	78,800	78,700	78,600	78,500	-
17	73,400	73,000	72,900	72,600	72,200	72,100
20	59,800	59,600	59,400	59,200	59,000	58,800
25	45,000	44,800	44,700	44,600	44,500	44,400
30	35,600	35,400	35,300	35,200	35,100	35,000
35	29,300	29,200	29,100	28,900	28,800	28,700
40	24,500	24,400	24,300	24,200	24,100	24,000
45	20,800	20,700	20,600	20,500	20,400	20,300
50	18,000	17,800	17,700	17,600	17,500	17,400
55	-	15,500	15,400	15,200	15,100	15,000
60	-	-	13,800	13,600	13,500	13,300
65	-	-	-	11,900	11,800	11,700
70	-	-	-	-	10,500	10,400
75	-	-	-	-	-	9,200

### WITH OUTRIGGERS

Radius Ft.	50' Boom	55' Boom	60' Boom	65' Boom	70' Boom	75' Boom
12	160,000	-	-	-	-	-
13	150,500	149,700	-	-	-	-
14	141,800	140,900	140,100	-	-	-
15	134,400	133,100	132,300	132,100	-	-
16	127,000	126,200	125,400	125,100	12,4700	-
17	120,800	120,000	119,300	119,000	11,8300	117,800
20	105,000	104,100	103,400	103,100	10,2700	102,100
25	86,100	85,300	84,600	84,300	8,3700	83,100
30	72,400	71,700	71,000	70,800	7,0200	69,700
35	62,400	61,800	61,100	60,800	6,0200	59,800
40	54,700	54,100	53,500	53,200	5,2700	52,100
45	47,500	46,900	46,300	45,700	4,5100	44,500
50	35,200	34,600	34,000	33,400	3,2900	32,400
55	-	30,400	29,800	29,200	2,8600	28,100
60	-	-	25,500	24,900	2,4300	23,800
65	-	-	-	22,800	2,2200	21,600
70	-	-	-	-	2,0500	19,900
75	-	-	-	-	-	17,500

### DE-650: 55 / 115 TON CRANE WITHOUT OUTRIGGERS

Radius Ft.	50' Boom	55' Boom	60' Boom	65' Boom	70' Boom	75, Boom
12	115,000	-	-	-	-	-
13	103,500	102,000	-	-	-	-
14	93,800	93,500	93,200	-	-	-
15	86,100	85,800	85,400	85,100	-	-
16	79,000	78,800	78,700	78,600	78,500	-
17	73,400	73,000	72,900	72,600	72,200	72,100
20	59,800	59,600	59,400	59,200	59,000	58,800
25	45,000	44,800	44,700	44,600	44,500	44,400
30	35,600	35,400	35,300	35,200	35,100	35,000
35	29,300	29,200	29,100	28,900	28,800	28,700
40	24,500	24,400	24,300	24,200	24,100	24,000
45	20,800	20,700	20,600	20,500	20,400	20,300
50	18,000	17,800	17,700	17,600	17,500	17,400
55	-	15,500	15,400	15,200	15,100	15,000
60	-	-	13,800	13,600	13,500	13,300
65	-	-	-	11,900	11,800	11,700
70	-	-	-	-	10,500	10,400
75	-	-	-	-	-	9,200

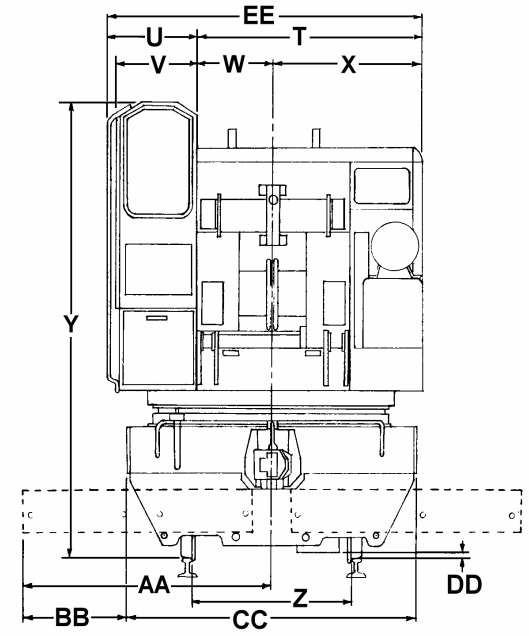
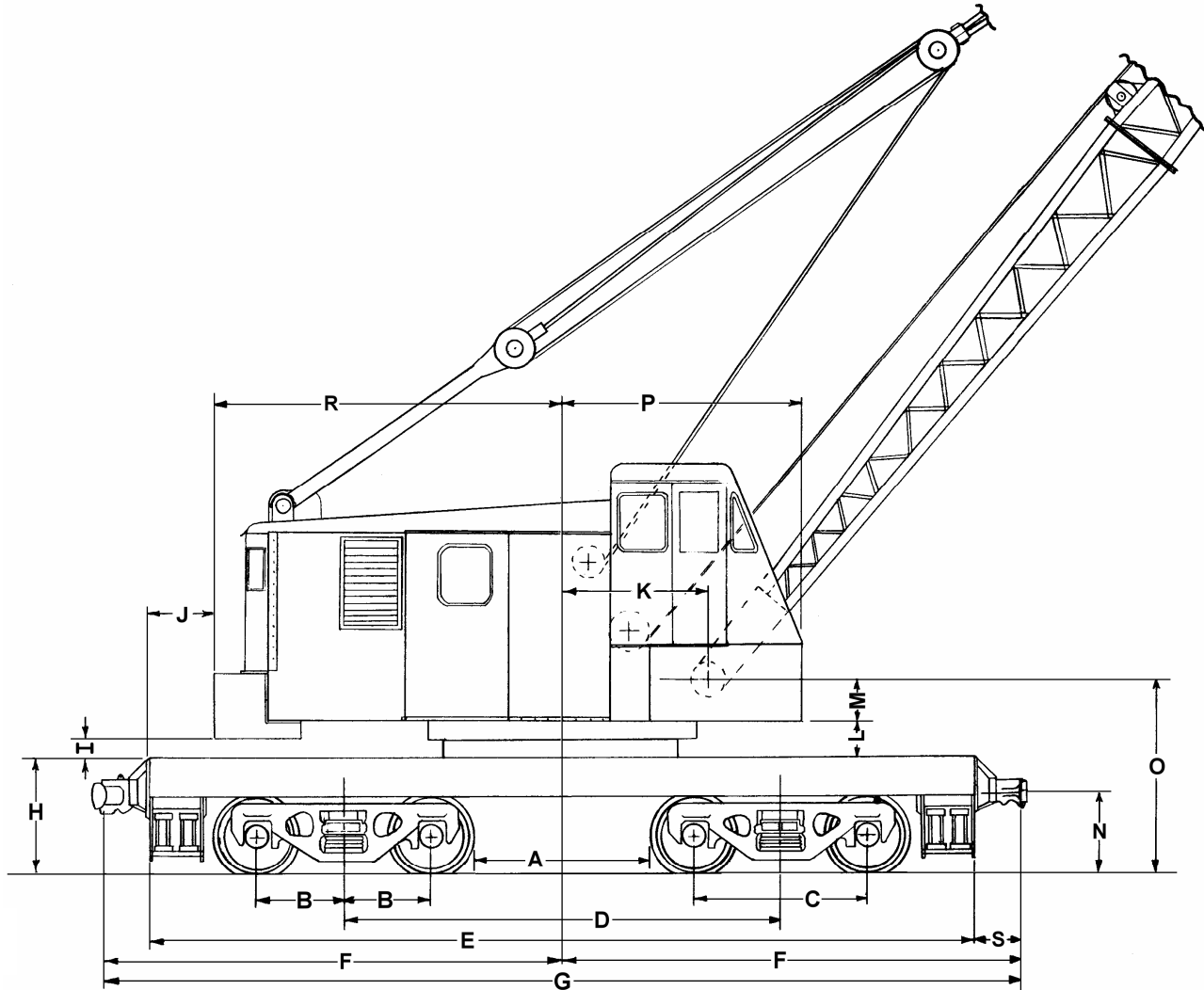
### WITH OUTRIGGERS

Radius Ft.	50' Boom	55' Boom	60' Boom	65' Boom	70' Boom	75' Boom
12	230,000	-	-	-	-	-
13	224,000	216,000	-	-	-	-
14	216,000	210,000	204,000	-	-	-
15	210,000	204,000	198,000	192,000	-	-
16	200,000	194,000	188,000	182,000	176,000	-
17	185,000	180,000	175,000	170,000	165,000	160,000
20	145,000	144,000	143,000	141,000	140,000	139,000
25	110,000	109,000	108,000	106,000	105,000	104,000
30	89,000	88,000	87,000	86,000	84,000	83,000
35	75,000	74,000	73,000	72,000	71,000	70,000
40	62,000	61,000	60,000	59,000	58,000	57,000
45	49,000	48,000	47,000	46,000	45,000	44,000
50	36,000	35,000	34,000	33,000	32,000	31,000
55	-	32,000	31,000	30,000	29,000	28,000
60	-	-	28,000	27,000	26,000	26,000
65	-	-	-	26,000	25,000	24,000
70	-	-	-	-	24,000	23,000
75	-	-	-	-	-	22,000

# DIMENSIONS

DIMENSIONS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
DE-300S	2'-11"	2'-10"	5'-8"	11'-6"	24'-10 1/2"	14'-2 5/8"	28'-5 1/4"	4'-1 1/8"	1'-2 7/8"	0'-5 1/4"	5'-4"	1'-2 7/8"	1'-4 11/16"	2'-10 1/2"	6'-8 11/16"
DE-400	5'-5"	2'-10"	5'-8"	14'-0"	28'-2 1/2"	15'-10 5/8"	31'-9 1/4"	4'-2 1/2"	1'-3"	2'-0"	5'-4"	1'-3"	1'-4 1/2"	2'-9 1/2"	6'-10"
DE-600	6'-8"	3'-2"	6'-4"	15'-11"	30'-3 1/4"	17'-0 1/8"	34'-0 1/4"	4'-4 1/2"	0'-7 1/16"	2'-3 7/8"	5'-4"	1'-3 1/16"	1'-6 1/2"	2'-9 7/8"	7'-1 1/16"
DE-650	6'-8"	3'-2"	6'-4"	15'-11"	30'-3 1/4"	17'-0 1/8"	34'-0 1/4"	4'-4 1/2"	0'-7 1/16"	2'-3 7/8"	5'-4"	1'-3 1/16"	1'-6 1/2"	2'-9 7/8"	7'-1 1/16"

DIMENSIONS	P	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	EE
DE-300S	8'-9 7/8"	12'-0"	1'-9 3/8"	7'-7 3/16"	3'-0 5/8"	2'-9"	2'-6"	5'-1 3/16"	14'-8 3/8"	4'-8 1/2"	7'-11"	3'-2 1/2"	9'-5"	0'-4 3/4"	10'-7 3/16"
DE-400	8'-9 7/8"	12'-0"	1'-9 3/8"	7'-7 3/16"	3'-0 5/8"	2'-9"	2'-6"	5'-1 3/16"	14'-9 3/4"	4'-8 1/2"	7'-8"	2'-10"	9'-8"	0'-4 3/4"	10'-7 3/16"
DE-600	8'-9 7/8"	12'-8 1/4"	1'-10 1/2"	7'-7 3/16"	3'-0 5/8"	2'-9"	2'-6"	5'-1 3/16"	14'-10 11/16"	4'-8 1/2"	7'-6"	3'-7"	9'-10"	0'-4 1/16"	10'-7 3/16"
DE-650	8'-9 7/8"	12'-8 1/4"	1'-10 1/2"	7'-7 3/16"	3'-0 5/8"	2'-9"	2'-6"	5'-1 3/16"	14'-10 11/16"	4'-8 1/2"	7'-6"	3'-7"	9'-10"	0'-4 1/16"	10'-7 3/16"



NO OTHER CRANE IS  
ENGINEERED LIKE AN

**OHIO**



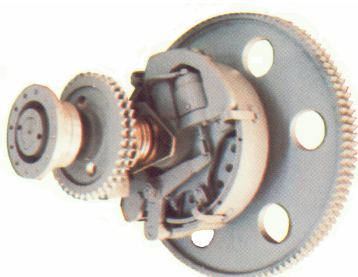
Over 70 years of engineering excellence and proven performance surround today's Ohio Locomotive Cranes. All major features reflect the rugged testing of time in the heavy duty crane industry. Each machine's flexible design provides the durable product safety of operation and ease of maintenance. Dedicated engineering has proven itself.

**1 CAB DESIGN**

Ohio's full-vision cab is positioned well forward with large safety glass windows to provide the operator with excellent vision in all directions. The arrangement of all components have been engineered to provide accessibility, ease of operation, and comfort.

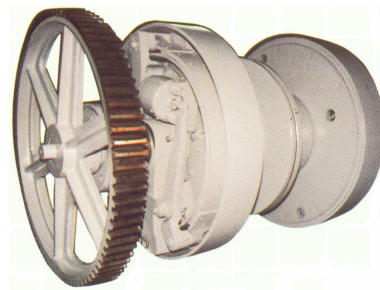
**2 MAIN DRIVE**

At the center of the operating mechanism is the main disconnect clutch shaft powered by a Cog type Drive Belt that is engaged by a 20" air controlled, self-adjusting clutch band. Trouble-free operation is assured by the anti-friction bearing design.



**3 MAIN DRIVE**

The main hoisting mechanism provides a safe, and smooth operation with the aid of dual, contracting clutch bands. Each has its own separate air cylinder for automatic equalization which provides the operator with a "feel" for each specific load



**4 BOOM HOIST DRUM**

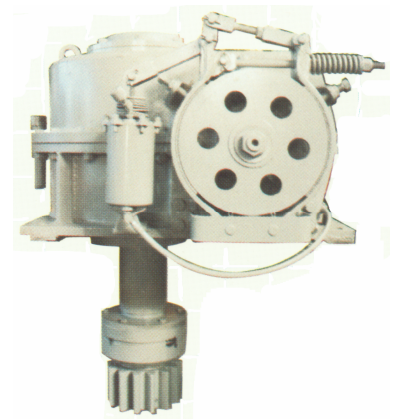
A durable cast drum featuring a precision machine-cut worm gear meshes with the separator shaft all of which rotate in anti-friction bearings to provide the Ohio Crane with accurate and positive control of boom hoisting operations.



LOCOMOTIVE CRANE CO.

**5 MAIN DRIVE**

Innovative engineering has led to Ohio's own rotating worm and pinion drive combined with a special anti-friction bearing rotating ring. This 20:1 ratio results in more direct power, a lower center of gravity. Positive centering, and smoother operating performance which makes it the most efficient trouble-free rotating mechanism available today.



These and other engineering developments are how the Ohio Crane has proven itself as a workhorse champion for over three-quarters of a century. Why not let us show you how Ohio's proven past can make your future successful in the area of heavy-duty diesel electric locomotive cranes!



**AMERICAN & OHIO LOCOMOTIVE CRANE CO.**  
~ a Division of ERS Industries, Inc. ~



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