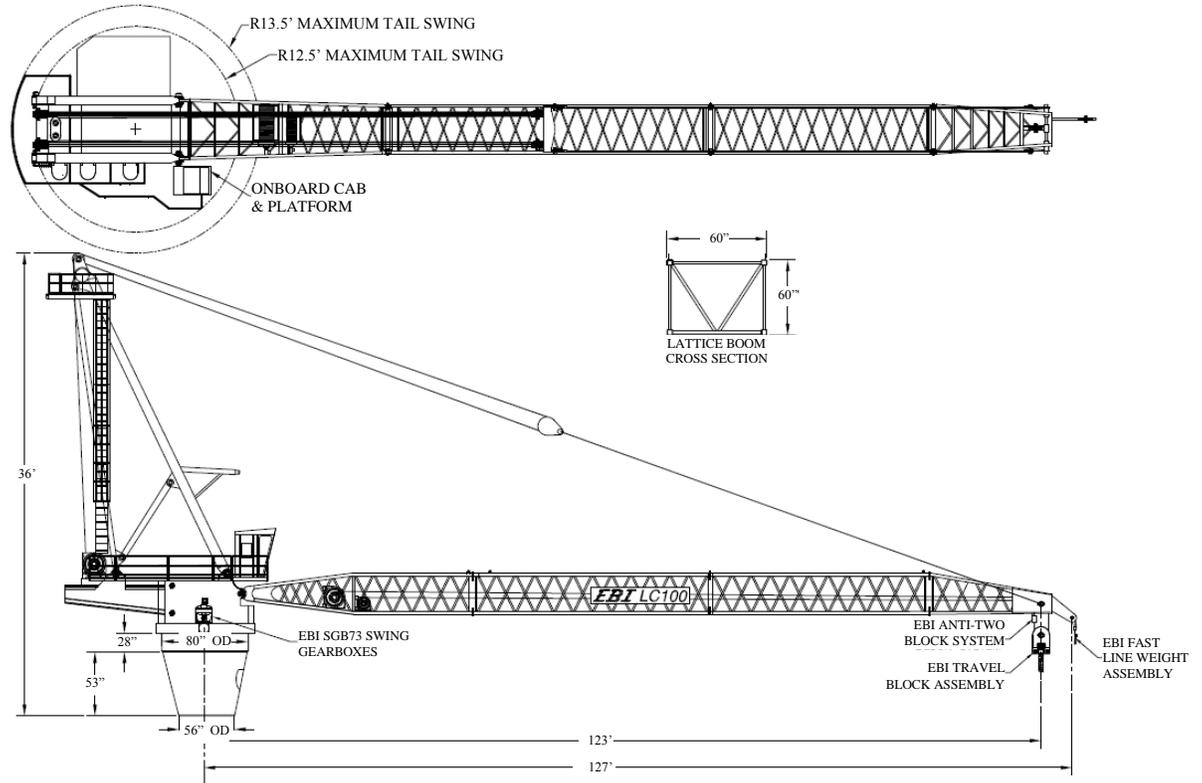


# EBI CRANES

## MODEL LC100 LATTICE BOOM CRANES



### STANDARD EQUIPMENT:

- EBI CRANES ARE LICENSED MONOGRAM CRANES UNDER API-2C SPECIFICATIONS.
- EBI CRANES MEET OSHA REQUIREMENTS.
- PLANETARY SWING MECHANISM WITH ADJUSTABLE MOUNT, HIGH TORQUE MOTOR AND AUTOMATIC SPRING APPLIED BRAKES.
- FOUR PORT HYDRAULIC SWIVEL FOR CONTINUOUS ROTATION.
- MANWAY WITH BOLTED COVER.
- LOAD LINE WINCH: 2 SPEED MOTOR.
- ANTI-FRICTION BEARINGS IN THE SHEAVES.
- FIBER GLIDE BUSHINGS ON ALL PIVOTING POINTS.
- LOAD TEST AT TWICE APTOFFBOARDLOAD BEFORE SHIPPING.

### OPTIONAL EQUIPMENT:

- EBI CRANES TO MEET ABS AND USCG REQUIREMENTS.
- CRANE CONTROL LOCATIONS:
  - PEDESTAL MOUNTED WALKAROUND
  - CAB MOUNTED JOY STICK
  - VARIOUS PLATFORM CONFIGURATIONS
  - REMOTELY LOCATED
- SOLAR/BATTERY POWERED BOOM BEACONS.
- POWER UNITS CAN BE CRANE MOUNTED OR REMOTELY LOCATED.
- POWER UNITS: ELECTRIC MOTOR, AIR MOTOR OR DIESEL ENGINE (DETROIT DIESEL, CUMMINS, CATERPILLAR, DEUTZ AIR COOLED, ETC.).
- DIESEL ENGINE STARTER SYSTEMS: ELECTRIC, AIR OR HYDRAULIC.
- AIR/HYDRAULIC OIL HEAT EXCHANGER.
- 440C STAINLESS STEEL, HEAT TREATED PINS.
- FAST LINE WINCH DESIGNED FOR PERSONNEL HANDLING. WINCH CAPACITY IS 5000 LB. LINE PULL. (1000 LB. FOR PERSONNEL)
- ANTI-TWO BLOCK SYSTEM.
- EMERGENCY LOAD LOWERING SYSTEM.

EBI PRODUCTS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATIONS.

## EBI Cranes, LLC

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# EBI<sup>®</sup> CRANES

## MODEL LC100 LATTICE BOOM CRANES (U.S. CUSTOMARY UNITS)

MODEL LC100-120 API LOAD CHART								BASIC CRANE WEIGHT: 78,669 LBS.
REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	API PEDESTAL REACTIONS (REACTIONS @ 3 X OFFBOARD RATED LOAD) (OTM = OVERTURNING MOMENT)
26	81.0	100000	100000	79	52.0	33296	49944	MAXIMUM OTM = 8,709,853 FT. LBS. CORRESPONDING AXIAL FORCE = 188,105 LBS. MAXIMUM AXIAL FORCE = 207,946 LBS. CORRESPONDING OTM = 8,593,031 FT. LBS.
30	79.0	98268	100000	89	46.0	28997	43496	
33	77.0	87764	95500	98	38.0	25455	38182	
39	74.0	72298	91250	108	30.0	22647	33970	
49	67.0	56305	84457	118	17.0	20225	30338	
59	64.0	46390	69584	123	0.0	19147	28721	
69	58.0	38882	58323					

IN ACCORDANCE WITH API-2C, VALUES SHOWN ARE ACTUAL HOOK LOAD (WEIGHT OF BLOCK AND HOOK EXCLUDED).  
 LOAD LINE BLOCK WEIGHT IS 1500 LBS.  
 LOAD LINE (6 PART LINE): 1" 19X7 EIPS IWRC; 84,400 LB. BREAKING STRENGTH; 16,880 LB. WORKING STRENGTH.  
 FAST LINE BLOCK WEIGHT IS 100 LBS.  
 FAST LINE (1 PART LINE): 9/16" 19X7 EIPS IWRC; 25,000 LB. BREAKING STRENGTH; 5,000 LB. WORKING STRENGTH.  
 ONBOARD LOAD = 1.5 X OFFBOARD LOAD. PEDESTAL REACTIONS ARE BASED ON THREE TIMES THE OFFBOARD LOAD PLUS DEAD LOAD.

## (INTERNATIONAL METRIC UNITS)

MODEL LC100-120 API LOAD CHART (36.6 METERS)								BASIC CRANE WEIGHT: 35,684 LBS.
REACH (METERS)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (KGS.)	ONBOARD LOAD (KGS.)	REACH (METERS)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (KGS.)	ONBOARD LOAD (KGS.)	API PEDESTAL REACTIONS (REACTIONS @ 3 X OFFBOARD RATED LOAD) (OTM = OVERTURNING MOMENT)
8.0	81.0	45372	45372	24.0	52.0	15107	22661	MAXIMUM OTM = 1,204 TON METERS CORRESPONDING AXIAL FORCE = 28,767 KGS. MAXIMUM AXIAL FORCE = 94,323 KGS. CORRESPONDING OTM = 1,188 TON METERS
9.0	79.0	44586	45372	27.0	46.0	13157	19735	
10.0	77.0	39820	43330	30.0	38.0	11549	17324	
12.0	74.0	32803	41402	33.0	30.0	10275	15413	
15.0	67.0	25547	38320	36.0	17.0	9177	13765	
18.0	64.0	21048	31572	38.0	0.0	8688	13031	
21.0	58.0	17642	26463					

IN ACCORDANCE WITH API-2C, VALUES SHOWN ARE ACTUAL HOOK LOAD (WEIGHT OF BLOCK AND HOOK EXCLUDED).  
 LOAD LINE BLOCK WEIGHT IS 681KGS.  
 LOAD LINE (6 PART LINE): 1" 19X7 EIPS IWRC; 38,294 KGS. BREAKING STRENGTH; 7,659 KGS. WORKING STRENGTH.  
 FAST LINE BLOCK WEIGHT IS 45 KGS.  
 FAST LINE (1 PART LINE): 9/16" 19X7 EIPS IWRC; 11,340 KGS. BREAKING STRENGTH; 2,268 KGS. WORKING STRENGTH.  
 ONBOARD LOAD = 1.5 X OFFBOARD LOAD. PEDESTAL REACTIONS ARE BASED ON THREE TIMES THE OFFBOARD LOAD PLUS DEAD LOAD.

LOAD CHARTS FOR VARIABLE BOOM LENGTHS AVAILABLE UPON REQUEST

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