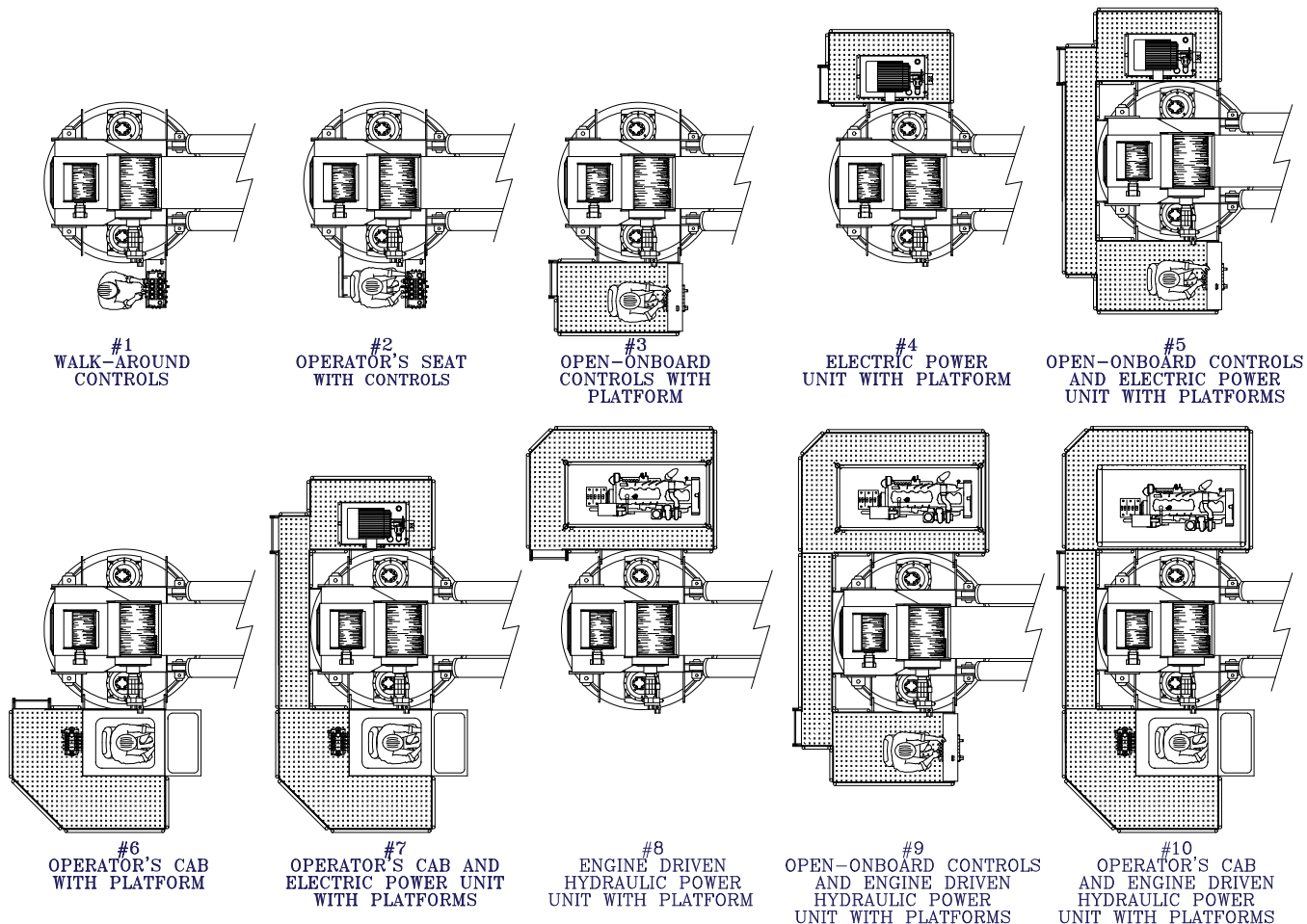


EBI CRANES

MODEL TC100-55-100 CRANES AVAILABLE CONFIGURATIONS



TAIL SWING CHART @ 0° BOOM ANGLE *

CONFIGURATION	MAXIMUM TAIL SWING	CONFIGURATION	MAXIMUM TAIL SWING	CONFIGURATION	MAXIMUM TAIL SWING	CONFIGURATION	MAXIMUM TAIL SWING
1	6'-4" Radius	4	8'-4" Radius	7	10'-2" Radius	10	10'-8" Radius
2	6'-4" Radius	5	8'-4" Radius	8	10'-8" Radius	*TAIL SWING VALUES MAY BE EXCEEDED DEPENDING UPON WINCH MOUNT OPTIONS	
3	8'-4" Radius	6	10'-2" Radius	9	10'-8" Radius		



ELEVATING BOATS LLC

Corporate/EBI Liftboats, LLC. - 201 Dean Court - Houma, LA 70363
Phone: (985) 868-9655 Fax: (985) 868-9656

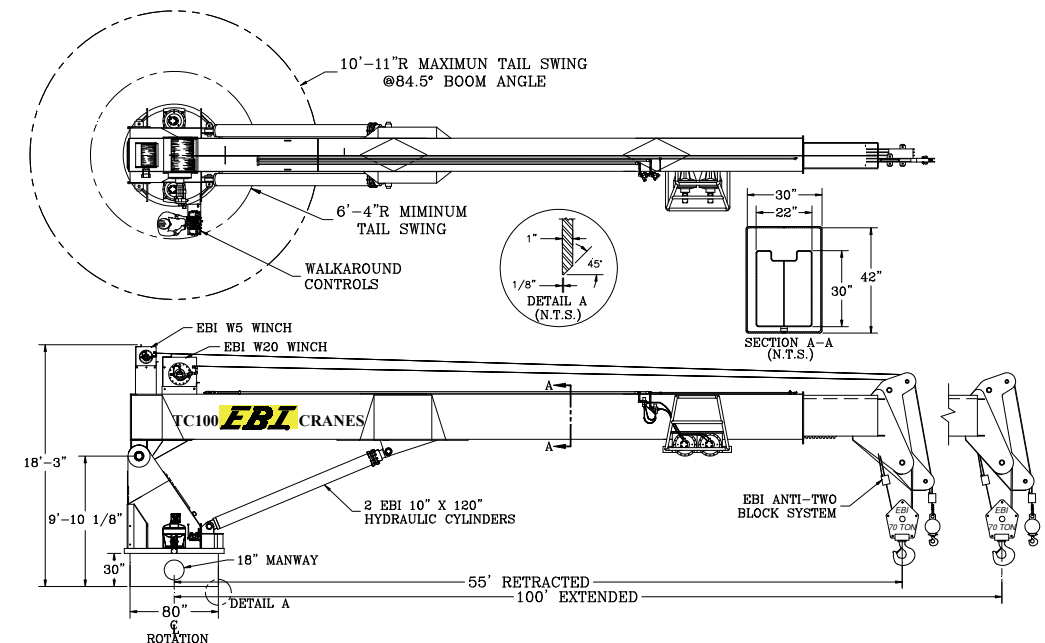
EBI Cranes, LLC. - 900 St. Bernard Pkwy. - Braithwaite, LA 70040
Phone: (504) 682-5245 Fax: (504) 682-5296

EBI Machining, LLC. - 40495 West I-55 Service Road - Ponchatoula, LA 70454
Phone: (985) 386-2053 Fax: (985) 386-2084

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EBI CRANES

MODEL TC100-55-100 TELESCOPIC 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.
- DOUBLE HYDRAULIC SWIVEL FOR CONTINUOUS ROTATION.
- INDUCTION HARDENED CHROME PLATED CYLINDER RODS.
- 18" I.D. MANWAY WITH BOLTED COVER.
- THREE COLOR, SAFE LOAD INDICATOR GAUGE.
- RACK AND PINION TELESCOPIC SYSTEM. THERE ARE NO INTERNAL BOOM CYLINDERS.
- LOAD LINE WINCH: 2 SPEED MOTOR.
- THREE COAT MARINE PAINT SYSTEM.
- ANTI-FRICTION BEARINGS IN THE SHEAVES.
- BRONZE BUSHINGS ON ALL PIVOTING POINTS.
- LOAD TEST AT TWICE API OFFBOARD LOAD BEFORE SHIPPING.

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

OPTIONAL EQUIPMENT:

- EBI CRANES TO MEET ABS AND USCG REQUIREMENTS.
- CRANE CONTROL LOCATIONS
 - PEDESTAL MOUNTED WALKAROUND
 - REMOTELY LOCATED
 - CAB MOUNTED JOY STICK TYPE
 - VARIOUS PLATFORM CONFIGURATIONS
- SOLAR/BATTERY POWERED BOOM BEACONS.
- BOOM LIGHTING.
- COMPLETE HYDRAULIC SAFETY SYSTEM DETECTING THE MOMENT INDUCED BY LOAD ON THE CRANE TO HELP PREVENT OVERLOAD CONDITION.
- 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.
- 17-4 PH STAINLESS STEEL, HEAT TREATED, CHROME PLATED CYLINDER RODS.
- 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 Cranes, LLC.



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EBI CRANES

MODEL TC100-55-100 TELESCOPIC BOOM CRANES (U.S. CUSTOMARY UNITS)

MODEL TC100-55-100 API LOAD CHART 55 FT. RETRACTED								BASIC CRANE WEIGHT: 60,000 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)	
10	79.5	60900	92150	35	50.0	35900	54650	MAXIMUM OTM = 5,373,309 FT. LBS. CORRESPONDING AXIAL FORCE = 144,201 LBS. MAXIMUM AXIAL FORCE = 250,701 LBS. CORRESPONDING OTM = 2,259,604 FT. LBS.	
15	74.0	56900	86150	40	43.0	31900	48650		
20	69.0	54400	82400	45	35.0	28900	44150		
25	63.0	48900	74150	50	25.0	25400	38900		
30	57.0	41650	63275	55	0.0	19150	29525		

MODEL TC100-55-100 API LOAD CHART 70 FT. EXTENDED								BASIC CRANE WEIGHT: 60,000 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)	
10	81.5	60900	63400	45	50.0	27650	42275	MAXIMUM OTM = 5,366,452 FT. LBS. CORRESPONDING AXIAL FORCE = 122,128 LBS. MAXIMUM AXIAL FORCE = 254,128 LBS. CORRESPONDING OTM = 2,347,195 FT. LBS.	
15	77.5	56400	63400	50	45.0	25650	39275		
20	73.5	49650	63400	55	38.5	23150	35525		
25	69.0	44150	63400	60	31.0	20900	32150		
30	64.5	39650	60275	65	22.0	18900	29150		
35	60.0	34900	53150	70	0.0	14400	22400		
40	55.5	31400	47900						

MODEL TC100-55-100 API LOAD CHART 85 FT. EXTENDED								BASIC CRANE WEIGHT: 60,000 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)	
10	83.0	51400	62900	50	54.0	18150	28025	MAXIMUM OTM = 4,753,910 FT. LBS. CORRESPONDING AXIAL FORCE = 101,128 LBS. MAXIMUM AXIAL FORCE = 219,628 LBS. CORRESPONDING OTM = 1,929,805 FT. LBS.	
15	80.0	43400	62900	55	50.0	16775	25960		
20	76.5	36400	55400	60	45.5	15400	23900		
25	73.0	31400	47900	65	40.5	14400	22400		
30	69.5	27650	42275	70	35.0	13400	20900		
35	66.0	24650	37775	75	28.0	12650	19775		
40	62.0	21900	33650	80	20.0	11900	18650		
45	58.0	19900	30650	85	0.0	10525	16600		

MODEL TC100-55-100 API LOAD CHART 100 FT. EXTENDED								BASIC CRANE WEIGHT: 60,000 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)	
10	84.0	42400	62900	60	53.0	10775	16900	MAXIMUM OTM = 4,125,897 FT. LBS. CORRESPONDING AXIAL FORCE = 83,923 LBS. MAXIMUM AXIAL FORCE = 189,673 LBS. CORRESPONDING OTM = 1,585,627 FT. LBS.	
15	81.5	37150	56525	65	49.5	9900	15650		
20	78.5	30900	47150	70	46.0	9150	14525		
25	75.5	23900	36650	75	41.5	8400	13500		
30	72.5	20650	31775	80	37.0	7700	12400		
35	69.5	18275	28200	85	32.0	7275	11700		
40	66.5	16275	25200	90	26.0	6775	10900		
45	63.5	14650	22775	95	18.5	6400	10400		
50	60.0	13150	20525	100	0.0	6150	10000		
55	57.0	12025	18800						

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 (8 PART LINE): 1" 6X25 EIPS IWRC; 100,000 LB. BREAKING STRENGTH; 20,000 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

EBI CRANES

MODEL TC100-55-100 TELESCOPIC BOOM CRANES (INTERNATIONAL METRIC UNITS)

MODEL TC100-55-100 API LOAD CHART 17 METERS RETRACTED								BASIC CRANE WEIGHT: 27,200 KGS.	
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)	
3.0	79.5	27630	41800	10.7	50.0	16290	24790	MAXIMUM OTM = 744 TON METERS CORRESPONDING AXIAL FORCE = 65,420 KGS. MAXIMUM AXIAL FORCE = 113,736 KGS CORRESPONDING OTM = 312 TON METERS	
4.6	74.0	25810	39080	12.2	43.0	14470	22070		
6.1	69.0	24680	37380	13.8	35.0	13110	20030		
7.6	63.0	22180	33640	15.2	25.0	11520	17650		
9.1	57.0	18890	28700	16.8	0.0	8690	13390		

MODEL TC100-55-100 API LOAD CHART 21.3 METERS EXTENDED								BASIC CRANE WEIGHT: 27,200 KGS.	
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)	
3.0	81.5	27630	28760	13.8	50.0	12540	19180	MAXIMUM OTM = 742 TON METERS CORRESPONDING AXIAL FORCE = 55,406 KGS. MAXIMUM AXIAL FORCE = 115,291 KGS CORRESPONDING OTM = 325 TON METERS	
4.6	77.5	25590	28760	15.2	45.0	11640	17820		
6.1	73.5	22520	28760	16.8	38.5	10500	16120		
7.6	69.0	20030	28760	18.3	31.0	9480	14590		
9.1	64.5	17990	27340	19.8	22.0	8570	13230		
10.7	60.0	15830	24110	21.3	0.0	6530	10160		
12.2	55.5	14250	21730						

MODEL TC100-55-100 API LOAD CHART 26 METERS EXTENDED								BASIC CRANE WEIGHT: 27,200 KGS.	
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)	
3.0	83.0	23320	28540	15.2	54.0	8230	12710	MAXIMUM OTM = 658 TON METERS CORRESPONDING AXIAL FORCE = 45,879 KGS. MAXIMUM AXIAL FORCE = 99,639 KGS CORRESPONDING OTM = 267 TON METERS	
4.6	80.0	19690	28540	16.8	50.0	7610	11780		
6.1	76.5	16510	25130	18.3	45.5	6990	10840		
7.6	73.0	14240	21730	19.8	40.5	6530	10160		
9.1	69.5	12540	19180	21.3	35.0	6080	9480		
10.7	66.0	11180	17140	22.9	28.0	5740	8970		
12.2	62.0	9930	15260	24.4	20.0	5400	8460		
13.8	58.0	9030	13900	25.9	0.0	4770	7530		

MODEL TC100-55-100 API LOAD CHART 30.5 METERS EXTENDED								BASIC CRANE WEIGHT: 27,200 KGS.	
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)	
3.0	84.0	19230	28530	18.3	53.0	4890	7670	MAXIMUM OTM = 570 TON METERS CORRESPONDING AXIAL FORCE = 38,073 KGS. MAXIMUM AXIAL FORCE = 86,050 KGS CORRESPONDING OTM = 219 TON METERS	
4.6	81.5	16850	25640	19.8	49.5	4490	7100		
6.1	78.5	14020	21390	21.3	46.0	4150	6590		
7.6	75.5	10840	16630	22.9	41.5	3810	6120		
9.1	72.5	9370	14410	24.4	37.0	3490	5630		
10.7	69.5	8290	12790	25.9	32.0	3300	5300		
12.2	66.5	7380	11430	27.4	26.0	3070	4940		
13.8	63.5	6640	10330	29.0	18.5	2900	4720		
15.2	60.0	5960	9310	30.5	0.0	2790	4540		
16.8	57.0	5450	8530						

IN ACCORDANCE WITH API-2C, VALUES SHOWN ARE ACTUAL HOOK LOAD (WEIGHT OF BLOCK AND HOOK EXCLUDED).
 LOAD LINE BLOCK WEIGHT IS 680 KGS.
 LOAD LINE (8 PART LINE): 1" 6X25 EIPS IWRC; 45,359 KGS. BREAKING STRENGTH; 9,072 KGS. WORKING STRENGTH.
 FAST LINE BLOCK WEIGHT IS 45.4 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.