

EBI[®] CRANES

MODEL LC400 LATTICE BOOM CRANES (INTERNATIONAL METRIC UNITS) Cont'd.

MODEL LC400-160 API LOAD CHART (48.8 METERS)										BASIC CRANE WEIGHT: 99,638 KGS.					
REACH (METERS)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (KGS.)	ONBOARD LOAD (KGS.)	REACH (METERS)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (KGS.)	ONBOARD LOAD (KGS.)	REACH (METERS)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (KGS.)	ONBOARD LOAD (KGS.)	REACH (METERS)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (KGS.)	ONBOARD LOAD (KGS.)
7.6	84.5	95029	144925	19.9	69.5	38102	59535	32.0	53.0	20412	32999	44.2	30.5	12020	20412
9.1	83.0	82782	126554	21.3	68.0	34927	54772	33.5	50.5	19051	30958	45.7	26.5	10660	18371
10.7	81.0	71669	109885	22.9	66.0	31979	50350	35.1	48.0	17917	29257	47.2	22.0	9299	16330
12.2	79.0	63731	97978	24.4	64.0	29484	46607	36.6	45.5	16783	27556	48.8	15.0	7711	13948
13.7	77.5	59422	91514	26.0	61.5	26989	42865	38.1	43.0	15876	26195	50.3	0.0	5670	10886
15.2	75.5	52391	80968	27.4	59.5	25175	40144	39.6	40.5	14969	24834				
16.8	73.5	46721	72462	29.0	57.5	23360	37422	41.1	37.5	14062	23474				
18.3	71.5	41958	65318	30.5	55.5	22000	35381	42.7	34.0	13381	22453				
API PEDESTAL REACTIONS (REACTIONS @ 3 X OFFBOARD LOAD) (OTM = OVERTURNING MOMENT)					MAXIMUM OTM = 3,113 TON METERS CORRESPONDING AXIAL FORCE = 156,111 KGS.					MAXIMUM AXIAL FORCE = 399,014 KGS. CORRESPONDING OTM = 2,441 TON METERS					

MODEL LC400-180 API LOAD CHART (54.9 METERS)										BASIC CRANE WEIGHT: 103,090 KGS.					
REACH (METERS)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (KGS.)	ONBOARD LOAD (KGS.)	REACH (METERS)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (KGS.)	ONBOARD LOAD (KGS.)	REACH (METERS)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (KGS.)	ONBOARD LOAD (KGS.)	REACH (METERS)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (KGS.)	ONBOARD LOAD (KGS.)
8.2	84.5	81875	125194	21.3	70.5	34474	54092	35.1	54.0	17690	28817	48.8	32.5	9072	15989
9.1	83.5	73937	113287	22.9	69.0	31752	50009	36.6	52.0	16556	27216	50.3	29.5	7938	14288
10.7	82.0	64865	99679	24.4	67.0	29030	45927	38.1	50.0	15649	25855	51.8	25.5	6804	12587
12.2	80.5	58288	89813	26.0	65.5	26989	42865	39.6	48.0	14742	24494	53.3	21.5	5670	10886
13.7	79.0	53298	82328	27.4	63.5	24948	39803	41.1	45.5	13835	23134	54.9	16.0	4536	9185
15.2	77.0	47855	74164	29.0	61.5	23134	37082	42.7	43.0	13154	22113	56.4	7.0	3175	7144
16.8	75.5	44906	69741	30.5	60.0	21773	35041	44.2	41.0	12474	21092	56.7	0.0	2495	6124
18.3	74.0	41958	65318	32.0	58.0	20185	32659	45.7	38.5	11567	19732				
19.8	72.0	37876	59195	33.5	56.0	18842	30618	47.2	35.5	10206	17690				
13.7API PEDESTAL REACTIONS (REACTIONS @ 3 X OFFBOARD LOAD) (OTM = OVERTURNING MOMENT)					MAXIMUM OTM = 3,209 TON METERS CORRESPONDING AXIAL FORCE = 154,800 KGS.					MAXIMUM AXIAL FORCE = 362,998 KGS. CORRESPONDING OTM = 2,320 TON METERS					

MODEL LC400-200 API LOAD CHART (61 METERS)										BASIC CRANE WEIGHT: 106,542 KGS.					
REACH (METERS)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (KGS.)	ONBOARD LOAD (KGS.)	REACH (METERS)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (KGS.)	ONBOARD LOAD (KGS.)	REACH (METERS)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (KGS.)	ONBOARD LOAD (KGS.)	REACH (METERS)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (KGS.)	ONBOARD LOAD (KGS.)
9.1	84.5	70535	108184	22.9	71.0	30618	48308	36.6	56.5	16330	26876	50.3	39.0	8392	14969
10.7	83.0	59875	92194	24.4	69.5	28804	45587	38.1	55.0	15422	25515	51.8	36.5	7258	13268
12.2	81.5	52391	80968	26.0	68.0	26762	42525	39.6	53.0	14515	24154	53.3	34.0	6350	11907
13.7	80.0	46948	72803	27.4	66.5	24721	39463	41.1	51.5	13608	22793	54.9	31.5	5443	10546
15.2	78.5	42638	66339	29.0	65.0	23134	37082	42.7	49.5	12928	21773	56.4	28.5	4536	9185
16.8	77.0	39463	61576	30.5	63.5	21546	34700	44.1	47.5	12247	20752	58.0	25.0	3629	7825
18.3	75.5	36742	57494	32.0	61.5	19958	32319	45.7	45.5	11567	19732	59.4	21.0	2722	6464
19.8	74.0	34247	53752	33.5	60.0	18598	30278	47.2	43.5	10660	18371	61.0	16.5	1814	5103
21.3	72.5	32432	51030	35.1	58.5	17464	28577	48.8	41.0	9299	16330	62.5	9.0	680	3402
API PEDESTAL REACTIONS (REACTIONS @ 3 X OFFBOARD LOAD) (OTM = OVERTURNING MOMENT)					MAXIMUM OTM = 3,280 TON METERS CORRESPONDING AXIAL FORCE = 155,535 KGS.					MAXIMUM AXIAL FORCE = 332,448 KGS. CORRESPONDING OTM = 2,202 TON METERS					

IN ACCORDANCE WITH API-2C, VALUES SHOWN ARE ACTUAL HOOK LOAD (WEIGHT OF BLOCK AND HOOK EXCLUDED).
#1 LOAD LINE BLOCK WEIGHT IS 4,128 KGS. AND #2 LOAD LINE BLOCK WEIGHT IS 590 KGS.
#1 LOAD LINE (10 PART LINE): 1 1/2" 6X25 EIPS IWRC; 113,400 KGS. BREAKING STRENGTH; 22,680 KGS. WORKING STRENGTH.
#2 LOAD LINE (4 PART LINE): 1" 6X25 EIPS IWRC; 45,359 KGS. BREAKING STRENGTH; 9,072 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.

ELEVATING BOATS LLC

Corporate/EBI Liftboats, LLC. - 124 Finish Line Lane - Houma, LA 70360

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

Email: postmaster@ebi-inc.com

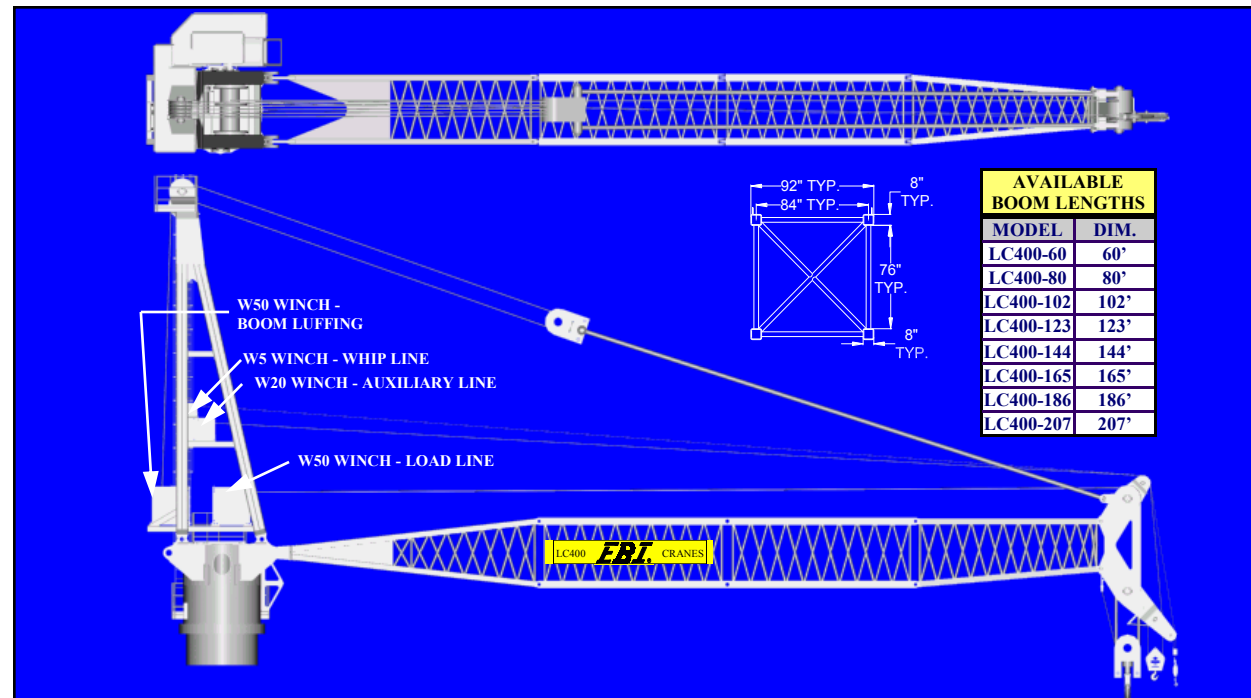
Website: www.ebi-inc.com



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EBI[®] CRANES

MODEL LC400 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 API OFFBOARD LOAD 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.

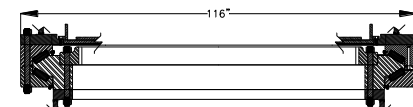
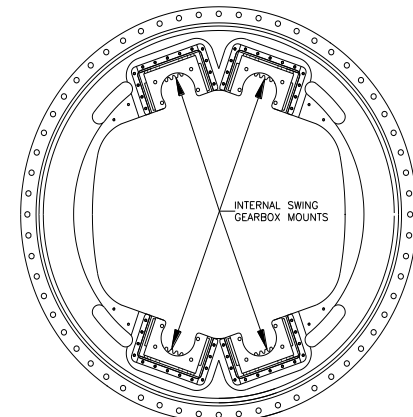
17-4 HH1150 STAINLESS STEEL, HEAT TREATED PINS.

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.

Model LC400 Lattice boom cranes utilize EBI's state of the art bearing race, providing for large overturning moment capacity in a tight swing radius.



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

EBI Cranes, LLC.



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08REV100913

FBI[®] CRANES

MODEL LC400 LATTICE BOOM CRANES (U.S. CUSTOMARY UNITS)

MODEL LC400-60 & MODEL LC400-81 API LOAD CHARTS AVAILABLE UPON REQUEST.

MODEL LC400-100 API LOAD CHART										BASIC CRANE WEIGHT: 196,830 LBS.					
REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)
20	84.5	326500	489500	45	68.5	132000	203250	70	50.5	78250	122625	95	25.0	53250	85125
25	81.0	259000	393750	50	65.5	117000	180750	75	46.0	71750	112875	100	15.0	49750	79875
30	78.0	210500	321000	55	62.0	104500	162000	80	42.0	66250	104625	102	0.0	45500	73500
35	75.0	177000	270750	60	58.5	94500	147000	85	37.5	61500	97500				
40	72.0	151500	232500	65	54.5	85500	133500	90	32.0	57250	91125				
API PEDESTAL REACTIONS (REACTIONS @ 3 X OFFBOARD LOAD) (OTM = OVERTURNING MOMENT)					MAXIMUM OTM = 21,155,000 FT. LBS. CORRESPONDING AXIAL FORCE = 377,580 LBS.					MAXIMUM AXIAL FORCE = 1,207,830 LBS. CORRESPONDING OTM = 20,038,000 FT. LBS.					

MODEL LC400-120 API LOAD CHART												BASIC CRANE WEIGHT: 204,444 LBS.			
REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)
21.5	84.5	274500	417000	50	70.0	116500	180000	80	53.0	66000	104250	110	30.0	43500	70500
25	83.0	254500	387000	55	67.5	104500	162000	85	50.0	61000	96750	115	23.0	40500	66000
30	80.0	209500	319500	60	64.5	93500	145500	90	46.5	56500	90000	120	15.0	37500	61500
35	77.5	175500	268500	65	62.0	85000	132750	95	43.0	53000	84750	123	0.0	31500	52500
40	75.0	150500	231000	70	59.0	78000	122250	100	39.0	49250	79125				
45	72.5	131500	202500	75	56.0	71500	112500	105	34.5	46000	74250				
API PEDESTAL REACTIONS (REACTIONS @ 3 X OFFBOARD LOAD) (OTM = OVERTURNING MOMENT)					MAXIMUM OTM = 21,681,000 FT. LBS. CORRESPONDING AXIAL FORCE = 357,440 LBS.					MAXIMUM AXIAL FORCE = 1,059,440 LBS. CORRESPONDING OTM = 18,854,000 FT. LBS.					

MODEL LC400-140 API LOAD CHART										BASIC CRANE WEIGHT: 212,050 LBS.					
REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	ONBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)
23.5	84.5	241000	366750	55	71.0	103500	160500	90	54.0	56000	89250	125	32.5	35500	58500
25	84.0	232500	354000	60	68.5	93000	144750	95	51.5	52000	83250	130	28.0	32000	53250
30	81.5	197500	301500	65	66.5	84500	132000	100	49.0	48500	78000	135	22.0	29500	49500
35	79.5	175500	268500	70	64.0	77000	120750	105	46.0	45500	73500	140	15.0	25500	43500
40	77.5	150500	231000	75	62.0	71000	111750	110	43.0	42500	69000	144	0.0	21000	36750
45	75.5	131500	202500	80	59.5	65500	103500	115	39.5	40000	65250				
50	73.0	115500	178500	85	57.0	60500	96000	120	36.0	37500	61500				
API PEDESTAL REACTIONS (REACTIONS @ 3 X OFFBOARD LOAD) (OTM = OVERTURNING MOMENT)						MAXIMUM OTM = 22,032,000 FT. LBS. CORRESPONDING AXIAL FORCE = 350,050 LBS.						MAXIMUM AXIAL FORCE = 966,550 LBS. CORRESPONDING OTM = 18,372,000 FT. LBS.			

MODEL LC400-160 API LOAD CHART												BASIC CRANE WEIGHT: 219,660 LBS.			
REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)
25	84.5	209500	319500	65	69.5	84000	131250	105	53.0	45000	72750	145	30.5	26500	45000
30	83.0	182500	279000	70	68.0	77000	120750	110	50.5	42000	68250	150	26.5	23500	40500
35	81.0	158000	242250	75	66.0	70500	111000	115	48.0	39500	64500	155	22.0	20500	36000
40	79.0	140500	216000	80	64.0	65000	102750	120	45.5	37000	60750	160	15.0	17000	30750
45	77.5	131000	201750	85	61.5	59500	94500	125	43.0	35000	57750	165	0.0	12500	24000
50	75.5	115500	178500	90	59.5	55500	88500	130	40.5	33000	54750				
55	73.5	103000	159750	95	57.5	51500	82500	135	37.5	31000	51750				
60	71.5	92500	144000	100	55.5	48500	78000	140	34.0	29500	49500				
API PEDESTAL REACTIONS (REACTIONS @ 3 X OFFBOARD LOAD) (OTM = OVERTURNING MOMENT)						MAXIMUM OTM = 22,510,000 FT. LBS. CORRESPONDING AXIAL FORCE = 344,160 LBS.				MAXIMUM AXIAL FORCE = 879,660 LBS. CORRESPONDING OTM = 17,651,000 FT. LBS.					

MODEL LC400-180 API LOAD CHART												BASIC CRANE WEIGHT: 227,270 LBS.			
REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)
27	84.5	180500	276000	70	70.5	76000	119250	115	54.0	39000	63750	160	32.5	20000	35250
30	83.5	163000	249750	75	69.0	70000	110250	120	52.0	36500	60000	165	29.5	17500	31500
35	82.0	143000	219750	80	67.0	64000	101250	125	50.0	34500	57000	170	25.5	15000	27750
40	80.5	128500	198000	85	65.5	59500	94500	130	48.0	32500	54000	175	21.5	12500	24000
45	79.0	117500	181500	90	63.5	55500	87750	135	45.5	30500	51000	180	16.0	10000	20250
50	77.0	105500	163500	95	61.5	51000	81750	140	43.0	29000	48750	185	7.0	7000	15750
55	75.5	99000	153750	100	60.0	48000	77250	145	41.0	27500	46500	186	0.0	5500	13500
60	74.0	92500	144000	105	58.0	44500	72000	150	38.5	25500	43500				
65	72.0	83500	130500	110	56.0	41500	67500	155	35.5	22500	39000				
API PEDESTAL REACTIONS (REACTIONS @ 3 X OFFBOARD LOAD) (OTM = OVERTURNING MOMENT)						MAXIMUM OTM = 23,204,000 FT. LBS. CORRESPONDING AXIAL FORCE = 341,270 LBS.				MAXIMUM AXIAL FORCE = 800,260 LBS. CORRESPONDING OTM = 16,778,000 FT. LBS.					
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FBI[®] CRANES

MODEL LC400 LATTICE BOOM CRANES (U.S. CUSTOMARY UNITS) Cont'd.

MODEL LC400-200 API LOAD CHART										BASIC CRANE WEIGHT: 234,881 LBS.					
REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)	REACH (FT.)	BOOM ANGLE (DEG.)	OFFBOARD LOAD (LBS.)	ONBOARD LOAD (LBS.)
30	84.5	155500	238500	75	71.0	67500	106500	120	56.5	36000	59250	165	39.0	18500	33000
35	83.0	132000	203250	80	69.5	63500	100500	125	55.0	34000	56250	170	36.5	16000	29250
40	81.5	115500	178500	85	68.0	59000	93750	130	53.0	32000	53250	175	34.0	14000	26250
45	80.0	103500	160500	90	66.5	54500	87000	135	51.5	30000	50250	180	31.5	12000	23250
50	78.5	94000	146250	95	65.0	51000	81750	140	49.5	28500	48000	185	28.5	10000	20250
55	77.0	87000	135750	100	63.5	47500	76500	145	47.5	27000	45750	190	25.0	8000	17250
60	75.5	81000	126750	105	61.5	44000	71250	150	45.5	25500	43500	195	21.0	6000	14250
65	74.0	75500	118500	110	60.0	41000	66750	155	43.5	23500	40500	200	16.5	4000	11250
70	72.5	71500	112500	115	58.5	38500	63000	160	41.0	20500	36000	205	9.0	1500	7500
API PEDESTAL REACTIONS (REACTIONS @ 3 X OFFBOARD LOAD) (OTM = OVERTURNING MOMENT)					MAXIMUM OTM = 23,720,000 FT. LBS. CORRESPONDING AXIAL FORCE = 342,890 LBS.					MAXIMUM AXIAL FORCE = 732,910 LBS. CORRESPONDING OTM = 15,923,000 FT. LBS.					