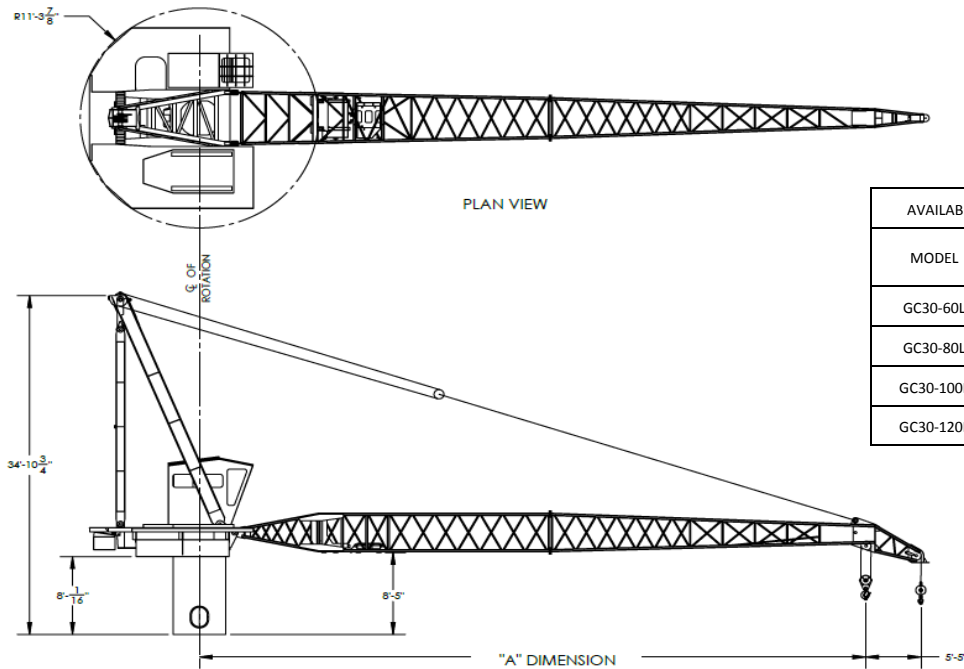




## MODEL GC30-L LATTICE BOOM CRANES



AVAILABLE BOOM LENGTHS	
MODEL	"A" DIMENSION
GC30-60L	60'
GC30-80L	80'
GC30-100L	100'
GC30-120L	120'

STANDARD EQUIPMENT:
GCS CRANES ARE LICENSED MONOGRAMMED CRANES UNDER API-2C SPECIFICATIONS.
CRANE MOUNTED WALK AROUND CONTROLS.
HYDRAULIC LOAD INDICATOR .
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.
MANWAY WITH BOLTED COVER.
LOAD LINE WINCH IS DESIGNED FOR PERSONNEL HANDLING.
HYDRAULIC ANTI TWO - BLOCK.
BEVELED PEDESTAL ( WELD DOWN TYPE ).
THREE COAT MARINE PAINT SYSTEM.
ANTI-FRICTION BEARINGS IN THE SHEAVES.
GREASELESS BUSHINGS ON ALL PIVOTING POINTS.
FACTORY ASSEMBLED AND LOAD TESTED PER API SPEC. 2C OR OTHER REGULATORY REQUIREMENTS BEFORE SHIPPING.

OPTIONAL EQUIPMENT:
VARIOUS CRANE CONFIGURATIONS ( SEE PAGE 4 ) .
VARIOUS CRANE CONTROL TYPES & LOCATIONS . - REMOTELY LOCATED. - CAB MOUNTED JOY STICK TYPE . - OPEN AIR RIDE AROUND TYPE. - RADIO CONTROLS .
BOOM, GANTRY AND OTHER LIGHTING .
BOOM MAINTENANCE WALKWAYS.
CRANE SMART WIRELESS LOAD AND/OR RADIUS INDICATORS .
CRANE SMART WIRELESS ANTI TWO - BLOCK.
POWER UNITS CAN BE CRANE MOUNTED OR REMOTELY LOCATED.
POWER UNITS: ELECTRIC MOTOR OR DIESEL ENGINE .
DIESEL ENGINE STARTER SYSTEMS: ELECTRIC, AIR OR HYDRAULIC.
ELECTRIC MOTOR STARTER AND SOFT START SYSTEM .
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.
EMERGENCY LOAD LOWERING SYSTEM.
ABS OR OTHER THIRD PARTY CERTIFICATION .
VARIOUS OTHER OPTIONS AVAILABLE UPON REQUEST.

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MODEL GC30-60L							
LOAD RADIUS (FT.)	BOOM ANGLE (DEG.)	ONBOARD LOAD (LBS.)	OFFBOARD LOAD (LBS.)	OTM (FT-LBS)	AXIAL LOAD (LBS)	RADIAL LOAD (LBS)	TORQUE (FT-LBS)
<b>LIFT CAPACITY CHART</b>				<b>MAXIMUM PEDESTAL REACTIONS - BASED ON API SPEC.2C 7TH ED. FACTORED LOADS</b>			
15	80.3	100,000	85,300	<b>MAXIMUM OVERTURNING MOMENT</b>			
20	75.4	100,000	78,000	6,495,400	223,200	3,900	131,900
25	70.4	100,000	71,200	<b>MAXIMUM AXIAL LOAD</b>			
30	65.2	100,000	64,700	5,763,300	253,100	4,300	116,400
35	59.7	89,900	59,000				
40	53.9	81,800	53,500				
45	47.6	67,600	44,400				
50	40.6	56,200	37,100				
55	32.3	46,700	31,100				
60	21.1	39,000	25,700				
63.5	3.4	31,800	20,800				

MODEL GC30-80L							
LOAD RADIUS (FT.)	BOOM ANGLE (DEG.)	ONBOARD LOAD (LBS.)	OFFBOARD LOAD (LBS.)	OTM (FT-LBS)	AXIAL LOAD (LBS)	RADIAL LOAD (LBS)	TORQUE (FT-LBS)
<b>LIFT CAPACITY CHART</b>				<b>MAXIMUM PEDESTAL REACTIONS - BASED ON API SPEC.2C 7TH ED. FACTORED LOADS</b>			
20	79.0	87,000	58,000	<b>MAXIMUM OVERTURNING MOMENT</b>			
25	75.3	78,600	52,400	3,703,100	195,100	2,500	50,000
30	71.5	62,300	41,500	<b>MAXIMUM AXIAL LOAD</b>			
35	67.7	52,000	34,600	3,215,700	209,600	2,600	45,100
40	63.7	45,100	30,000				
45	59.6	39,900	26,600				
50	55.3	35,700	23,800				
55	50.8	32,100	21,400				
60	45.9	29,100	19,400				
65	40.6	26,300	17,500				
70	34.6	23,700	15,800				
75	27.4	21,100	14,000				
80	17.7	18,100	12,000				

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MODEL GC30-100L							
LOAD RADIUS (FT.)	BOOM ANGLE (DEG.)	ONBOARD LOAD (LBS.)	OFFBOARD LOAD (LBS.)	OTM (FT-LBS)	AXIAL LOAD (LBS)	RADIAL LOAD (LBS)	TORQUE (FT-LBS)
<b>LIFT CAPACITY CHART</b>				<b>MAXIMUM PEDESTAL REACTIONS - BASED ON API SPEC.2C 7TH ED. FACTORED LOADS</b>			
22	80.0	72,200	24,000	<b>MAXIMUM OVERTURNING MOMENT</b>			
25	78.3	67,100	22,300	3,280,000	89,600	1,500	49,600
30	75.4	55,200	18,400	<b>MAXIMUM AXIAL LOAD</b>			
35	72.4	46,600	15,500	3,020,000	185,600	2,400	42,000
40	69.3	40,400	13,400				
45	66.2	35,600	11,800				
50	63.0	31,800	10,600				
55	59.7	28,700	9,500				
60	56.3	26,100	8,700				
65	52.8	23,900	7900				
70	49.0	22,100	7,300				
75	45.0	20,400	6,800				
80	40.8	18,900	6,300				
85	36.1	17,600	5,800				
90	30.8	16,400	5,400				
95	24.4	15,100	5,000				
100	15.7	13,100	4,300				
103.3	1.8	10,400	3,400				

MODEL GC30-120L							
LOAD RADIUS (FT.)	BOOM ANGLE (DEG.)	ONBOARD LOAD (LBS.)	OFFBOARD LOAD (LBS.)	OTM (FT-LBS)	AXIAL LOAD (LBS)	RADIAL LOAD (LBS)	TORQUE (FT-LBS)
<b>LIFT CAPACITY CHART</b>				<b>MAXIMUM PEDESTAL REACTIONS - BASED ON API SPEC.2C 7TH ED. FACTORED LOADS</b>			
25.5	80.0	51,200	34,100	<b>MAXIMUM OVERTURNING MOMENT</b>			
30	77.8	41,800	27,800	2,583,400	149,300	2,100	36,500
35	75.4	35,600	23,700	<b>MAXIMUM AXIAL LOAD</b>			
40	72.9	31,100	20,700	2,583,400	149,300	2,100	36,500
45	70.4	27,300	18,200				
50	67.8	24,100	16,000				
55	65.2	21,500	14,300				
60	62.5	19,300	12,800				
65	59.8	17,500	11,600				
70	56.9	16,000	10,600				
75	54.0	14,600	9,700				
80	51.0	13,400	8,900				
85	47.8	12,400	8,200				
90	44.5	11,400	7,600				
95	40.9	10,600	7,000				
100	37.0	9,900	6,600				
105	32.8	9,200	6,100				
110	28.0	8,600	5,700				
115	22.2	8,000	5,300				
120	14.3	7,500	5,000				
123.3	1.5	6,900	4,600				

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MODEL GC30-60L							
LOAD RADIUS (Meters)	BOOM ANGLE (DEG.)	ONBOARD LOAD (KGS.)	OFFBOARD LOAD (KGS.)	OTM (N-m)	AXIAL LOAD (KGS)	RADIAL LOAD (KGS)	TORQUE (N-m)
<b>LIFT CAPACITY CHART</b>				<b>MAXIMUM PEDESTAL REACTIONS - BASED ON API SPEC.2C 7TH ED. FACTORED LOADS</b>			
4.572	80.3	45,359	38,691	<b>MAXIMUM OVERTURNING MOMENT</b>			
6.096	75.4	45,359	35,380	8,806,580	101,242	1,769	178,832
7.62	70.4	45,359	32,296	<b>MAXIMUM AXIAL LOAD</b>			
9.144	65.2	45,359	29,347	7,813,986	114,804	1,950	157,817
10.668	59.7	40,778	26,762				
12.192	53.9	37,104	24,267				
13.716	47.6	30,663	20,140				
15.24	40.6	25,492	16,828				
16.764	32.3	21,183	14,107				
18.288	21.1	17,690	11,657				
19.3548	3.4	14,424	9,435				

MODEL GC30-80L							
LOAD RADIUS (Meters)	BOOM ANGLE (DEG.)	ONBOARD LOAD (KGS.)	OFFBOARD LOAD (KGS.)	OTM (N-m)	AXIAL LOAD (KGS)	RADIAL LOAD (KGS)	TORQUE (N-m)
<b>LIFT CAPACITY CHART</b>				<b>MAXIMUM PEDESTAL REACTIONS - BASED ON API SPEC.2C 7TH ED. FACTORED LOADS</b>			
6.096	79.0	39,463	26,308	<b>MAXIMUM OVERTURNING MOMENT</b>			
7.620	75.3	35,652	23,768	5,020,729	88,496	1,134	67,791
9.144	71.5	28,259	18,824	<b>MAXIMUM AXIAL LOAD</b>			
10.668	67.7	23,587	15,694	4,359,904	95,073	1,179	61,147
12.192	63.7	20,457	13,608				
13.716	59.6	18,098	12,066				
15.240	55.3	16,193	10,795				
16.764	50.8	14,560	9,707				
18.288	45.9	13,200	8,800				
19.812	40.6	11,929	7,938				
21.336	34.6	10,750	7,167				
22.860	27.4	9,571	6,350				
24.384	17.7	8,210	5,443				

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MODEL GC30-100L							
LOAD RADIUS (Meters)	BOOM ANGLE (DEG.)	ONBOARD LOAD (KGS.)	OFFBOARD LOAD (KGS.)	OTM (N-m)	AXIAL LOAD (KGS)	RADIAL LOAD (KGS)	TORQUE (N-m)
<b>LIFT CAPACITY CHART</b>				<b>MAXIMUM PEDESTAL REACTIONS - BASED ON API SPEC.2C 7TH ED. FACTORED LOADS</b>			
6.7056	80.0	32,749	10,886	<b>MAXIMUM OVERTURNING MOMENT</b>			
7.62	78.3	30,436	10,115	4,447,083	40,642	680	67,249
9.144	75.4	25,038	8,346	<b>MAXIMUM AXIAL LOAD</b>			
10.668	72.4	21,137	7,031	4,094,570	84,187	1,089	56,944
12.192	69.3	18,325	6,078				
13.716	66.2	16,148	5,352				
15.24	63.0	14,424	4,808				
16.764	59.7	13,018	4,309				
18.288	56.3	11,839	3,946				
19.812	52.8	10,841	3,583				
21.336	49.0	10,024	3,311				
22.86	45.0	9,253	3,084				
24.384	40.8	8,573	2,858				
25.908	36.1	7,983	2,631				
27.432	30.8	7,439	2,449				
28.956	24.4	6,849	2,268				
30.48	15.7	5,942	1,950				
31.48584	1.8	4,717	1,542				

MODEL GC30-120L							
LOAD RADIUS (Meters)	BOOM ANGLE (DEG.)	ONBOARD LOAD (KGS.)	OFFBOARD LOAD (KGS.)	OTM (N-m)	AXIAL LOAD (KGS)	RADIAL LOAD (KGS)	TORQUE (N-m)
<b>LIFT CAPACITY CHART</b>				<b>MAXIMUM PEDESTAL REACTIONS - BASED ON API SPEC.2C 7TH ED. FACTORED LOADS</b>			
7.7724	80.0	23,224	15,467	<b>MAXIMUM OVERTURNING MOMENT</b>			
9.144	77.8	18,960	12,610	3,502,620	67,721	953	49,487
10.668	75.4	16,148	10,750	<b>MAXIMUM AXIAL LOAD</b>			
12.192	72.9	14,107	9,389	3,502,620	67,721	953	49,487
13.716	70.4	12,383	8,255				
15.24	67.8	10,932	7,257				
16.764	65.2	9,752	6,486				
18.288	62.5	8,754	5,806				
19.812	59.8	7,938	5,262				
21.336	56.9	7,257	4,808				
22.86	54.0	6,622	4,400				
24.384	51.0	6,078	4,037				
25.908	47.8	5,625	3,719				
27.432	44.5	5,171	3,447				
28.956	40.9	4,808	3,175				
30.48	37.0	4,491	2,994				
32.004	32.8	4,173	2,767				
33.528	28.0	3,901	2,585				
35.052	22.2	3,629	2,404				
36.576	14.3	3,402	2,268				
37.58184	1.5	3,130	2,087				

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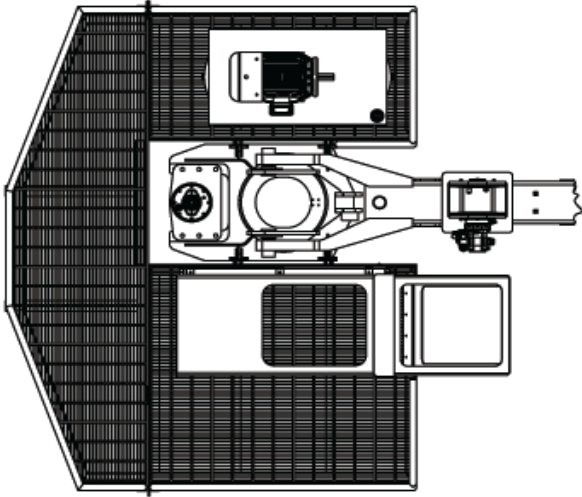
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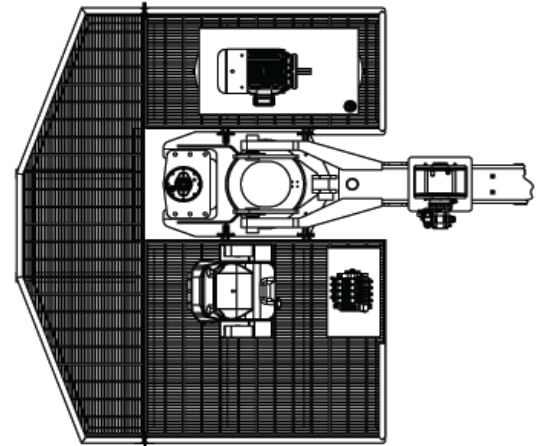
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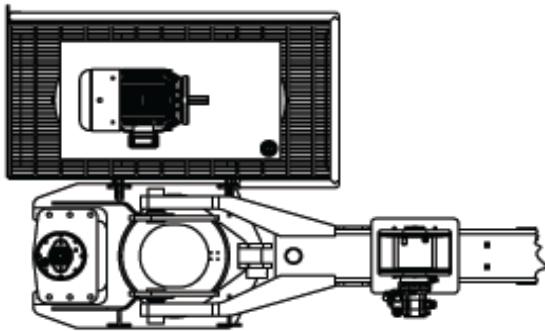
OPERATORS CAB ONBOARD  
POWER WITH PLATFORMS



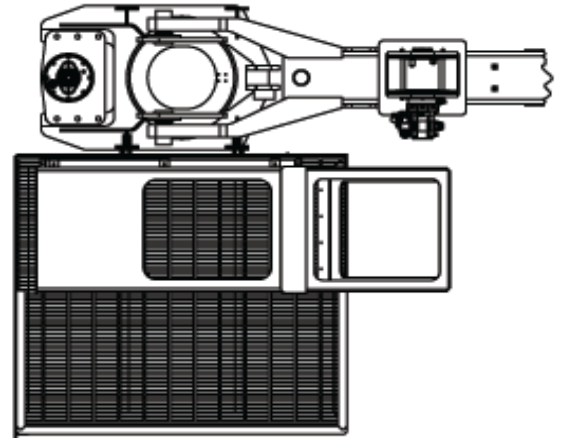
RIDE AROUND ONBOARD POWER  
WITH PLATFORMS



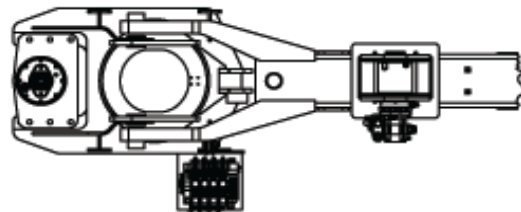
WALK AROUND CONTROLS  
ONBOARD POWER



OPERATORS CAB WITH PLATFORM  
REMOTE POWER



WALK AROUND CONTROLS REMOTE POWER



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