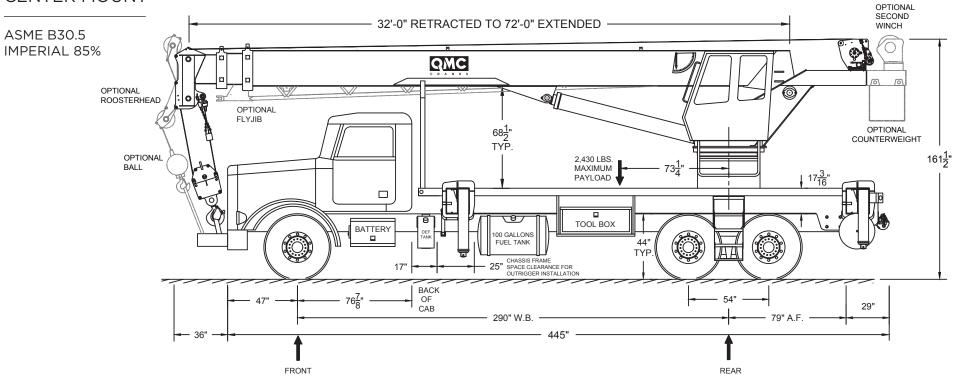
### **QMC 7072C**

### **CENTER MOUNT**



BASIS OF DESIGN						
ITEM	DESCRIPTION	REMARKS				
Truck chassis		Per customer				
Driver weight	250 pounds	Included in analysis				
Fuel tank	100 gallons	Included in analysis				
Hydraulic tank	100 gallons	Included in analysis, location may vary				
Tool box	48" long	Size may vary, aluminum construction				

MINIMUM FRAME REQUIREMENTS
33/8" - 12" 38" 38"

Minimum section modulus per rail = 34.4 in.<sup>3</sup> Minimum yield strength = 110 KSI

WEIGHT DISTRIBUTION							
	FRONT	REAR	TOTAL				
Truck	10,990	7,230	18,220				
Crane	5,530	23,430	28,960				
Payload	3,480	3,340	6,820				
Totals	20,000	34,000	54,000				

Total axle limits shown are based on Federal D.O.T. regulations bridge formula.

Truck dimensions, weights, payload, and lifting performance representative of design baseline. Variations from information shown (truck weights, wheel base, front axle to back of cab, and more) may be accommodated and may result in adjustment of payload, payload size, and crane lifting capacity. Contact QMC Cranes with your requirements.



## **QMC 7072C**

#### **CENTER MOUNT**

Red lines indicate transition from structural to tipping limits. Loads above the line are based on structural limits. Loads below the line are based on 85% actual tipping condition per ASME B30.5.

# Load Chart

32 FOOT BOOM							
WORKING RADIUS	BOOM ANGLE	REAR	FRONT				
6	74	78,900	78,900	78,900			
8	70	78,900	78,900	78,900			
10	66	70,000	70,000	70,000			
12	62	58,200	58,200	58,200			
15	56	46,100	46,100	46,100			
18	49	37,900 37,900		37,900			
20	44	33,700	33,700	33,700			
25	28	26,000	26,000	26,000			

52 FOOT BOOM							
WORKING RADIUS	BOOM ANGLE	REAR	FRONT				
8	79	64,900	64,900	64,900			
10	77	60,900	60,900	60,900			
12	75	57,200	57,200	57,200			
15	71	46,300	46,300	46,300			
18	67	38,100	38,100	38,100			
20	65	34,000	34,000	34,000			
25	58	26,400	26,400	26,400			
30	51	20,600	19,400	19,700			
35	44	16,100	14,300	13,600			
40	35	12,900	11,000	9,900			
45	23	10,500	8,600	7,400			

72 FOOT BOOM						
WORKING RADIUS	BOOM ANGLE	REAR	FRONT			
15	78	37,200	37,200	37,200		
18	76	32,300	32,300	32,300		
20	74	29,700	29,700	29,700		
25	69	24,700	24,700	24,700		
30	65	20,700	19,600	20,000		
35	60	16,200	14,500	13,800		
40	55	13,000	11,100	10,100		
45	50	10,700	8,800	7,600		
50	44	8,900	7,100	5,900		
55	38	7,500	5,700	4,500		
60	30	6,300	4,700	3,500		
65	20	5,400	3,800	2,700		
68	0	3,800	3,200	2,100		

Working radius is in feet. Loads are in pounds and boom angles are in degrees. Capacity limits will apply based on the load block selected.

WIRE ROPE CAPACITY								
Parts Line	1	2	3	4	5	6	7	8
Load Limit	11,280	22,560	33,840	45,120	56,400	67,680	78,960	90,240

Do not exceed parts of line ratings.

- 1. Load does not include blocks, slings, and all other equipment used to handle objects being lifted.
- 2. Load ratings are for zero degree list.
- 3. Loads must be freely suspended.
- 4. Rope: Rotation resistant, compacted strand, 9080 lb. capacity.
- 5. This chart is only a guide and should not be used to operate the crane. Individual crane's load chart, operating instructions, and other instructional plates must be read and understood prior to operating crane.

