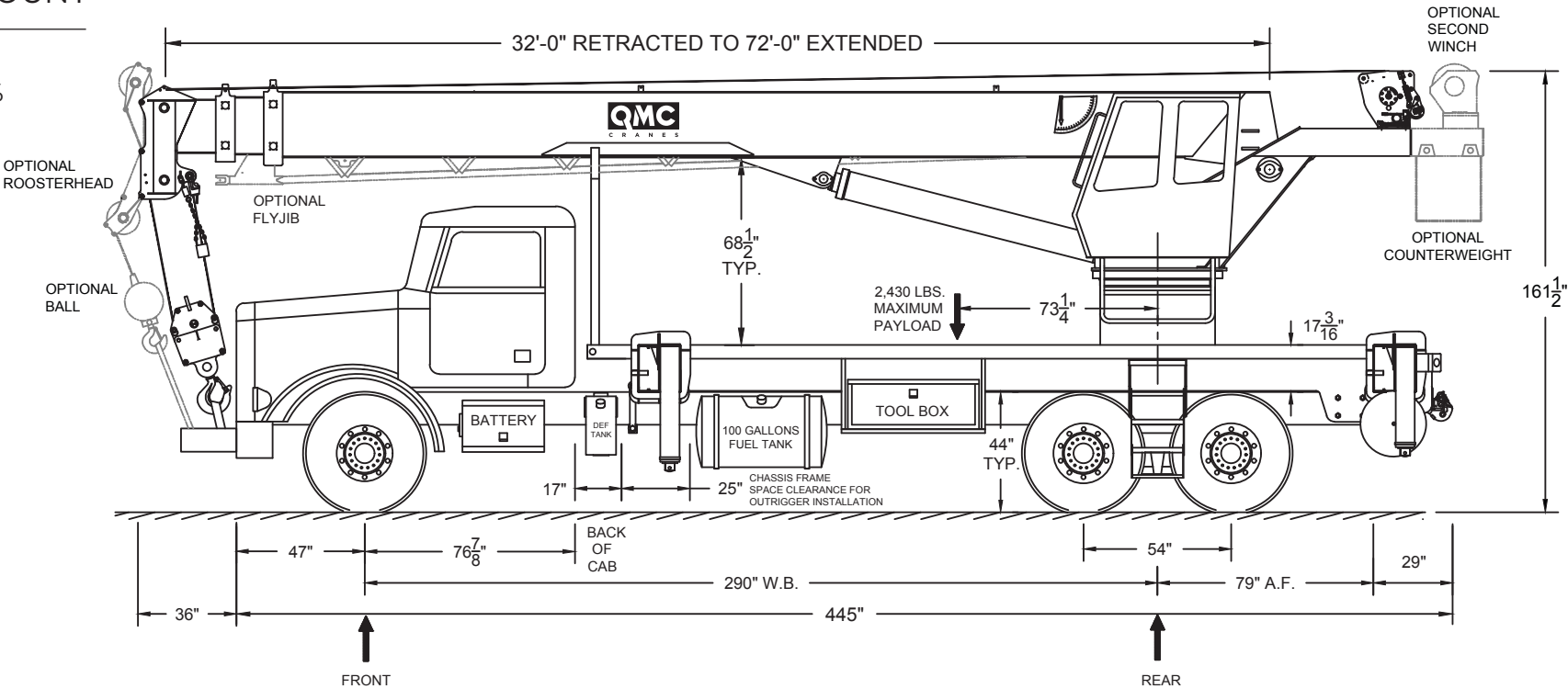


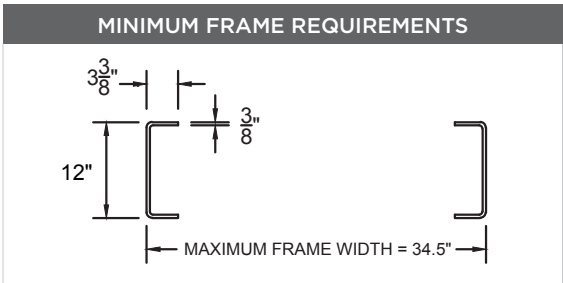
QMC 7072C

CENTER MOUNT

ASME B30.5  
IMPERIAL 85%



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 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.

### Load Chart

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.

32 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	RATED LOAD		
		REAR	SIDE	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	RATED LOAD		
		REAR	SIDE	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	RATED LOAD		
		REAR	SIDE	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.