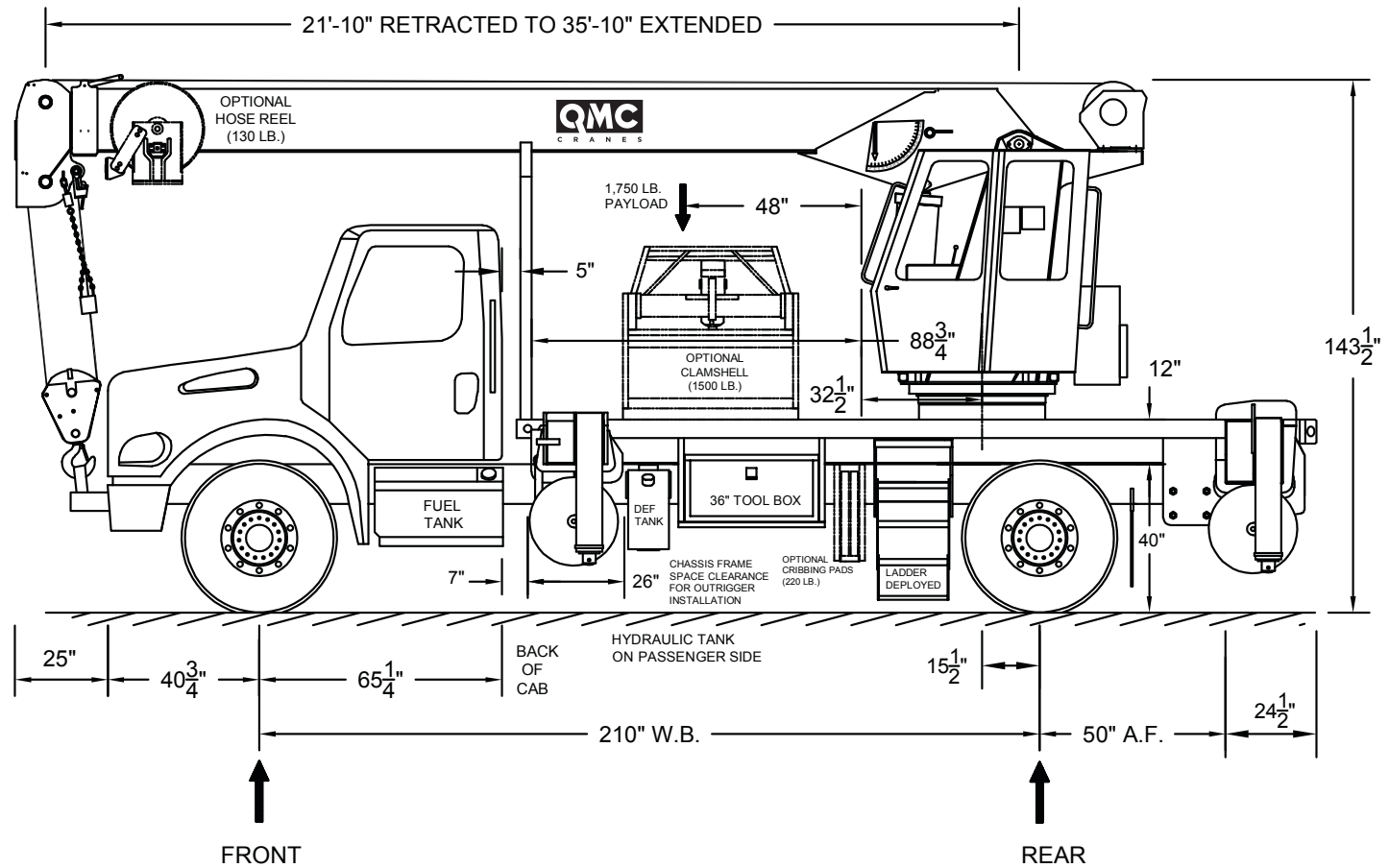


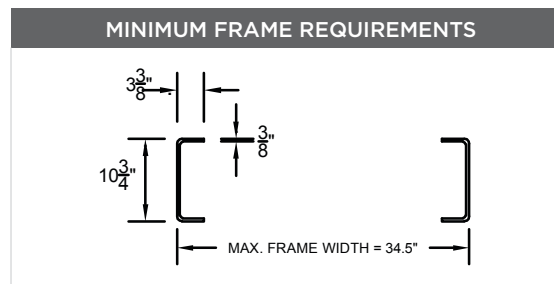
# QMC 4036C

## 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	50 gallons	Included in analysis
Hydraulic tank	60 gallons	Included in analysis, location may vary
Tool box	36" long	Size may vary, aluminum construction



Minimum section modulus per rail = 17.8 in.<sup>3</sup>  
Minimum yield strength = 110 KSI

WEIGHT DISTRIBUTION			
	FRONT	REAR	TOTAL
Truck	6,840	4,090	10,930
Crane	4,420	13,940	18,360
Payload	800	950	1,750
Totals	12,890	20,000	32,890

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.

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## CENTER MOUNT

### 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.

22 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	RATED LOAD		
		REAR	SIDE	FRONT
6	75	45,400	45,400	45,400
8	70	45,400	45,400	45,400
10	64	40,000	40,000	40,000
12	57	35,300	35,300	35,300
15	47	17,700	30,300	17,700
18	33/34	11,100	23,400	11,100
20	20/21	8,600	18,500	8,600
21	0	13,900	16,700	7,700

29 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	RATED LOAD		
		REAR	SIDE	FRONT
8	76	43,900	43,900	43,900
10	71	37,200	37,200	37,200
12	67	32,500	32,500	32,500
15	60	24,900	27,700	18,100
18	52	18,200	23,800	11,400
20	46/47	15,300	18,900	9,000
25	29	10,800	11,400	5,600
28	0	9,000	8,800	4,300

36 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	RATED LOAD		
		REAR	SIDE	FRONT
10	76	34,200	34,200	34,200
12	73	29,900	29,900	29,900
15	67	24,900	24,900	18,300
18	61	18,300	21,300	11,500
20	57	15,400	19,000	9,100
25	47	10,900	11,700	5,700
30	33	8,300	7,800	3,900
35	0	6,500	5,600	2,800

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	9,080	18,160	27,240	36,320	45,400	0	0	0

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.