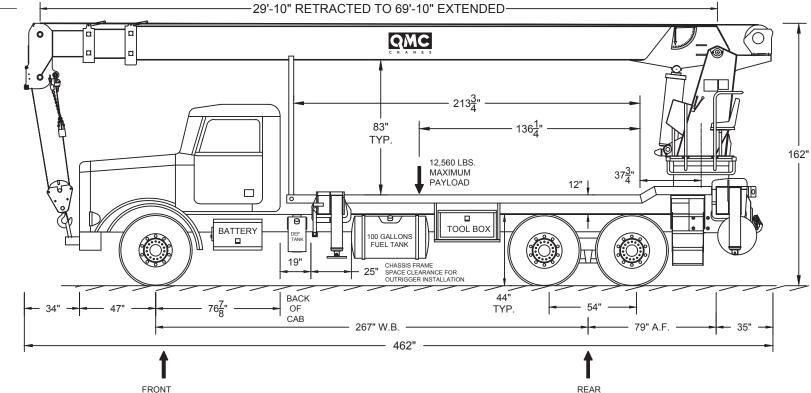
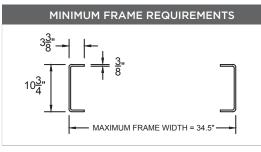
QMC 4070R

REAR 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	36" long	Size may vary, aluminum construction						



Minimum section modulus per rail = 17.8 in.³ Minimum yield strength = 110 KSI

WEIGHT DISTRIBUTION								
	FRONT	REAR	TOTAL					
Truck	10,680	7,090	17,770					
Crane	4,410	19,260	23,670					
Payload	4,910	7,650	12,560					
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.



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REAR 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.

		30 FOOT B	оом				50 FOOT B	оом				70 FOOT B	оом	
WORKING RADIUS	BOOM ANGLE	REAR	RATED LOAD SIDE	FRONT	RKING DIUS	BOOM ANGLE	REAR	RATED LOAD SIDE	FRONT	VORKING RADIUS	BOOM ANGLE	REAR	RATED LOAD SIDE	FRONT
6	81	45,400	45,400	45,400										
8	77	42,500	42,500	42,500										
10	72	35,800	35,800	35,800										
12	68	31,000	31,000	31,000	12	79	27,300	27,300	27,300					
15	62	26,100	26,100	26,100	15	75	22,400	22,400	22,400					
18	55	22,000	22,600	22,600	18	71	19,100	19,100	19,100	18	79	17,400	17,400	17,400
20	49	19,300	20,800	20,800	20	69	17,400	17,400	17,400	20	77	15,700	15,700	15,700
25	34	14,500	16,100	16,100	25	62	14,300	14,300	14,300	25	72	12,600	12,600	12,600
					30	55	11,300	11,400	12,100	30	68	10,500	10,500	10,500
					35	47	8,800	8,500	10,200	35	63	8,700	8,400	9,000
					40	38	6,700	6,500	7,600	40	58	6,600	6,400	7,600
					45	26	5,200	5,000	5,500	45	52	5,200	5,000	5,400
										50	47	4,100	3,900	4,000
										55	40	3,200	3,100	2,900
										60	32	2,500	2,400	2,100
										65	22	2,000	1,800	1,500
29	0	11,600	11,600	11,600	49	0	4,300	4,100	4,200	69	0	1,500	1,400	1,000

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.



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