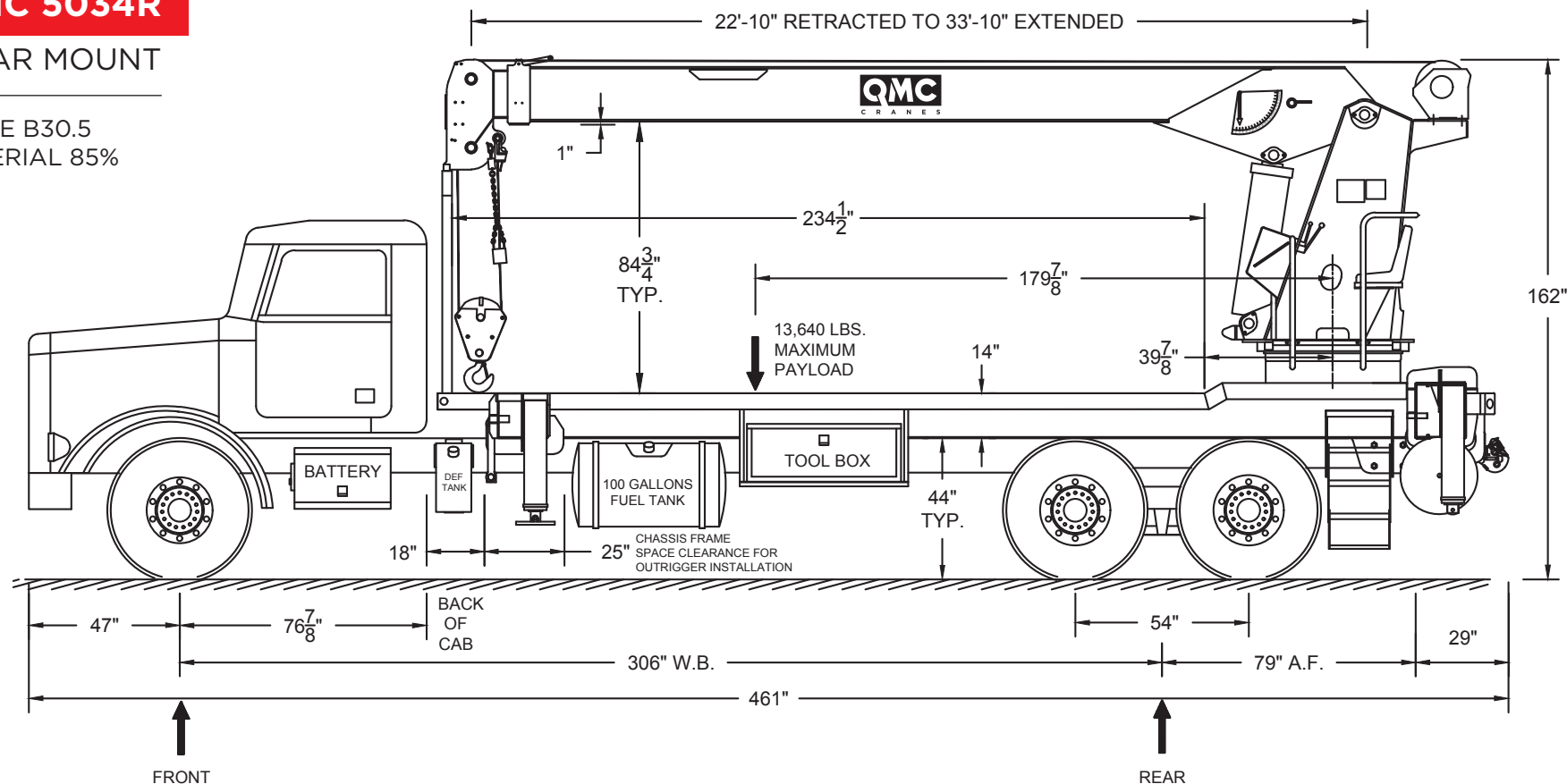


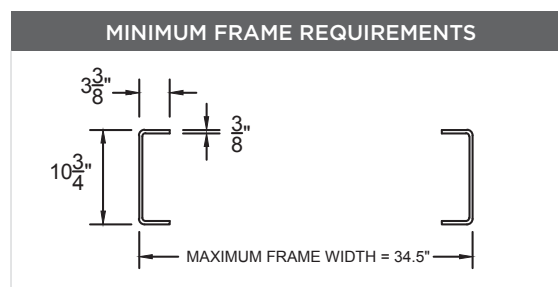
QMC 5034R

REAR 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	60 gallons	Included in analysis, location may vary
Tool box	48" 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	10,910	7,220	18,130
Crane	3,260	18,970	22,230
Payload	5,830	7,810	13,640
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 5034R

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.

23 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	RATED LOAD		
		REAR	SIDE	FRONT
8	71	54,400	54,400	54,400
10	65	49,800	49,800	49,800
12	59	43,800	43,800	43,800
15	50	37,300	37,300	37,300
18	38	29,700	32,400	32,400
20	28	26,000	28,000	29,400
22	0	21,800	21,800	21,800

28 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	RATED LOAD		
		REAR	SIDE	FRONT
10	71	47,300	47,300	47,300
12	66	41,400	41,400	41,400
15	59	35,100	35,100	35,100
18	52	29,800	30,700	30,700
20	46	26,100	28,300	28,400
25	27	19,800	18,300	23,300
27.5	0	16,600	15,300	17,200

34 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	RATED LOAD		
		REAR	SIDE	FRONT
12	71	39,700	39,700	39,700
15	66	33,500	33,500	33,500
18	60	29,200	29,200	29,200
20	55	26,200	27,000	27,000
25	43	19,900	18,400	22,700
30	27	14,400	13,300	19,200
33	0	12,200	11,300	14,000

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	54,480	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.