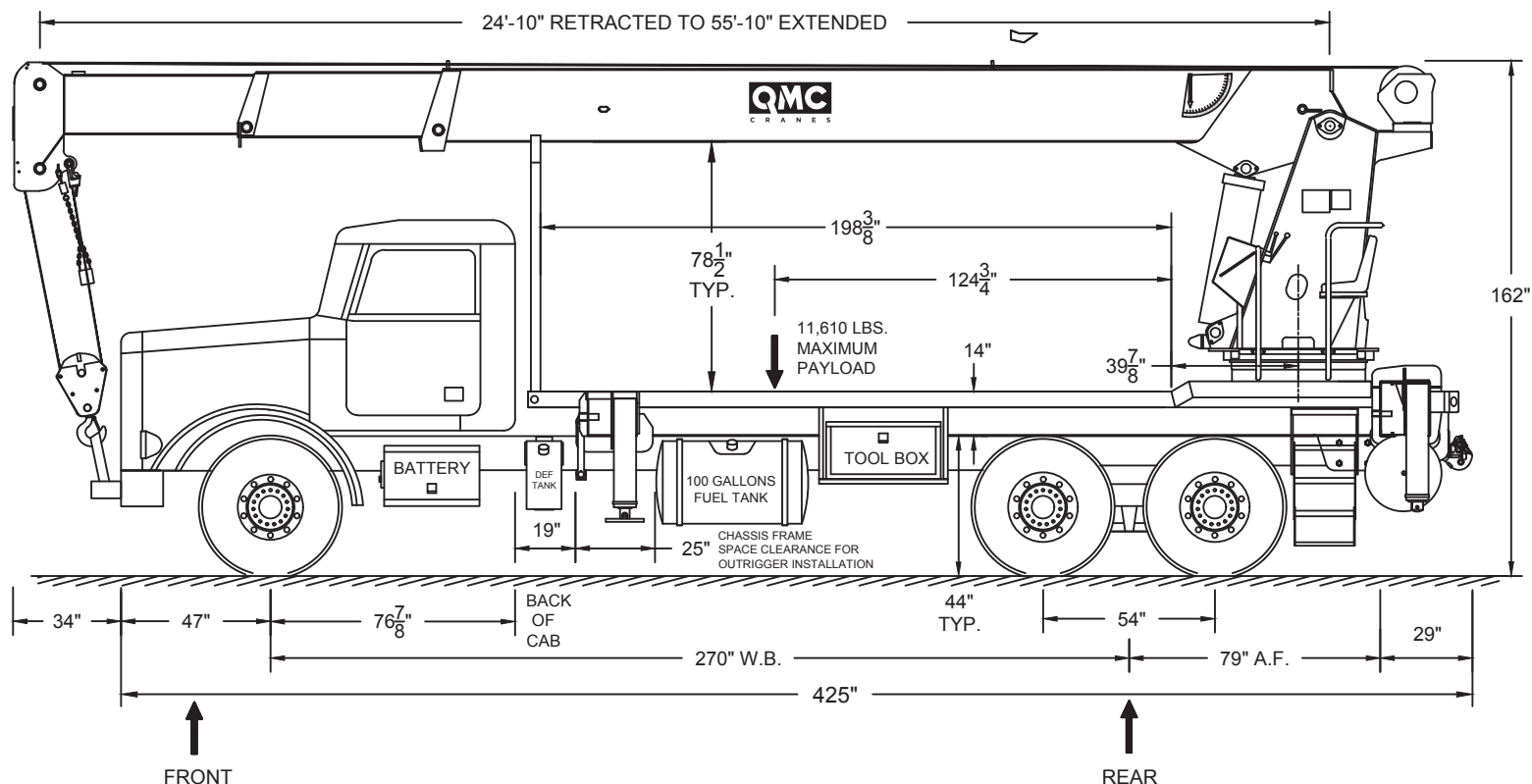


QMC 5056R

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	100 gallons	Included in analysis, location may vary
Tool box	36" long	Size may vary, aluminum construction

MINIMUM FRAME REQUIREMENTS	
<p>Minimum section modulus per rail = 17.8 in.³ Minimum yield strength = 110 KSI</p>	

WEIGHT DISTRIBUTION			
	FRONT	REAR	TOTAL
Truck	10,790	7,100	17,890
Crane	4,420	20,080	24,500
Payload	4,790	6,820	11,610
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 5056R

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.

25 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	RATED LOAD		
		REAR	SIDE	FRONT
6	78	54,400	54,400	54,400
8	73	54,400	54,400	54,400
10	68	48,900	48,900	48,900
12	62	42,600	42,600	42,600
15	54	33,200	35,700	35,700
18	44	26,000	30,700	30,700
20	36	22,600	27,000	27,800
24	0	17,300	17,300	17,300

40 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	RATED LOAD		
		REAR	SIDE	FRONT
10	78	44,700	44,700	44,700
12	75	38,400	38,400	38,400
15	70	31,800	31,800	31,800
18	65	26,200	27,300	27,300
20	62	22,800	25,000	25,000
25	53	17,000	17,400	20,700
30	43	13,400	12,400	17,000
35	30	10,200	9,300	11,100
39.5	0	8,100	7,400	8,100

56 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	RATED LOAD		
		REAR	SIDE	FRONT
15	77	29,800	29,800	29,800
18	74	25,400	25,400	25,400
20	72	22,900	23,200	23,200
25	66	17,100	17,500	19,000
30	60	13,400	13,400	15,800
35	53	10,300	9,400	11,300
40	46	8,100	7,400	8,100
45	37	6,500	5,900	6,100
50	27	5,300	4,800	4,700
55	0	4,400	3,900	3,600

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.