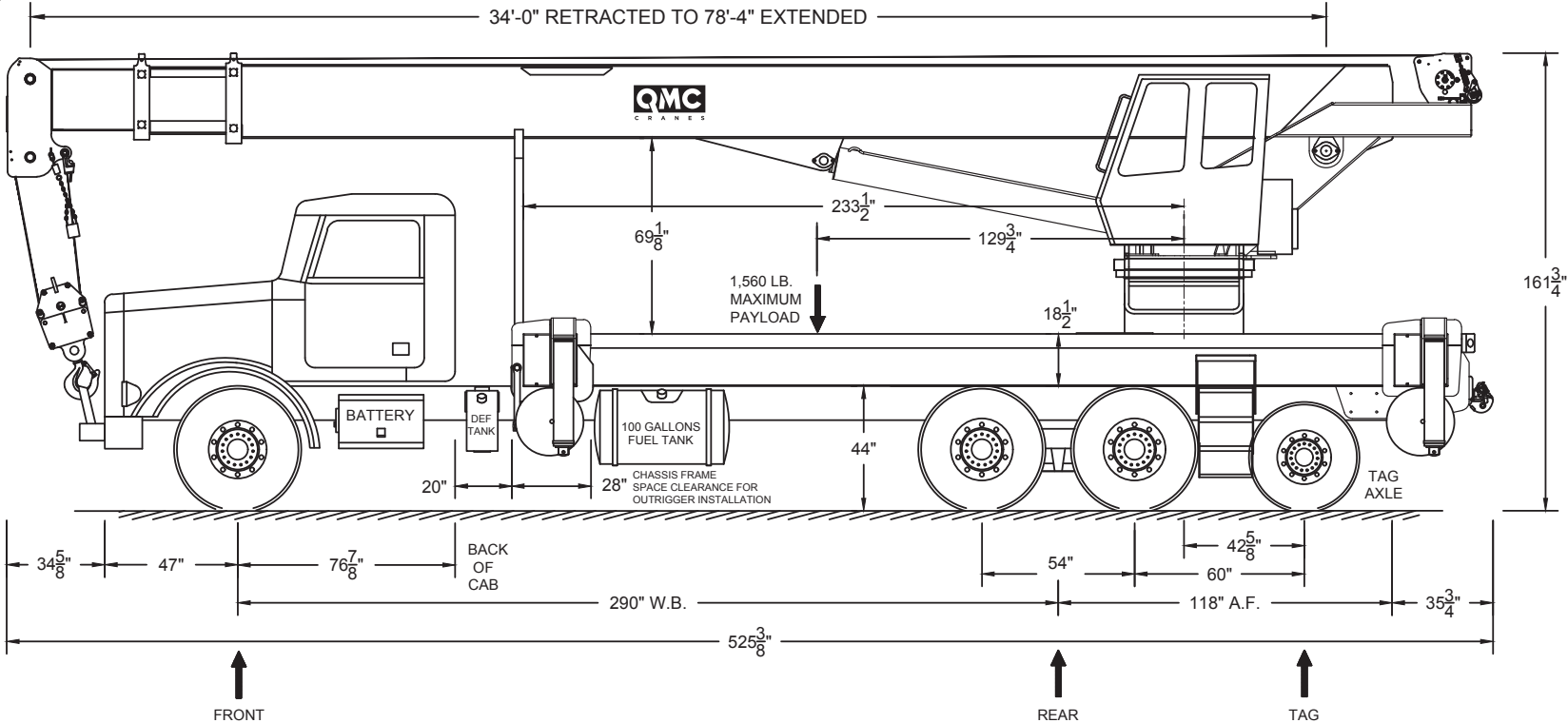


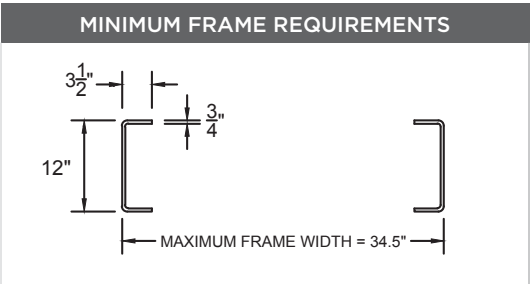
QMC 8078C

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



Minimum section modulus per rail = 39.8 in.³
Minimum yield strength = 110 KSI

WEIGHT DISTRIBUTION				
	FRONT	REAR	TAG	TOTAL
Truck	10,540	8,470	8,470	20,770
Crane	9,140	24,470	6,560	40,170
Payload	320	1,060	180	1,560
Totals	20,000	34,000	8,500	62,500

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.

[illegible]

56 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	RATED LOAD		
		REAR	SIDE	FRONT
8	79	68,800	68,800	68,800
10	77	68,800	68,800	68,800
12	75	69,500	70,300	70,300
15	72	63,500	63,500	64,400
18	68	56,000	56,000	56,200
20	66	50,200	50,200	50,200
25	60	34,700	39,100	39,100
30	54	25,900	27,000	31,700
35	47	20,200	19,900	26,300
40	39	16,200	15,300	19,000
45	30	13,300	12,000	14,200
50	16	11,000	9,600	10,900

78 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	RATED LOAD		
		REAR	SIDE	FRONT
12	81	53,400	53,400	53,400
15	78	46,500	46,500	46,500
18	76	40,600	40,600	40,600
20	74	37,500	37,500	37,500
25	70	31,100	31,100	31,100
30	66	26,000	26,500	26,500
35	62	20,300	20,000	23,000
40	57	16,400	15,400	19,300
45	53	13,500	12,200	14,500
50	48	11,200	9,900	11,300
55	42	9,400	8,000	8,900
60	36	8,000	6,600	7,100
65	29	6,800	5,400	5,700
70	20	5,800	4,400	4,600
74	0	1,900	1,900	1,900

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	9
Load Limit	11,280	22,560	33,840	45,120	56,400	67,680	78,960	90,240	101,520

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.