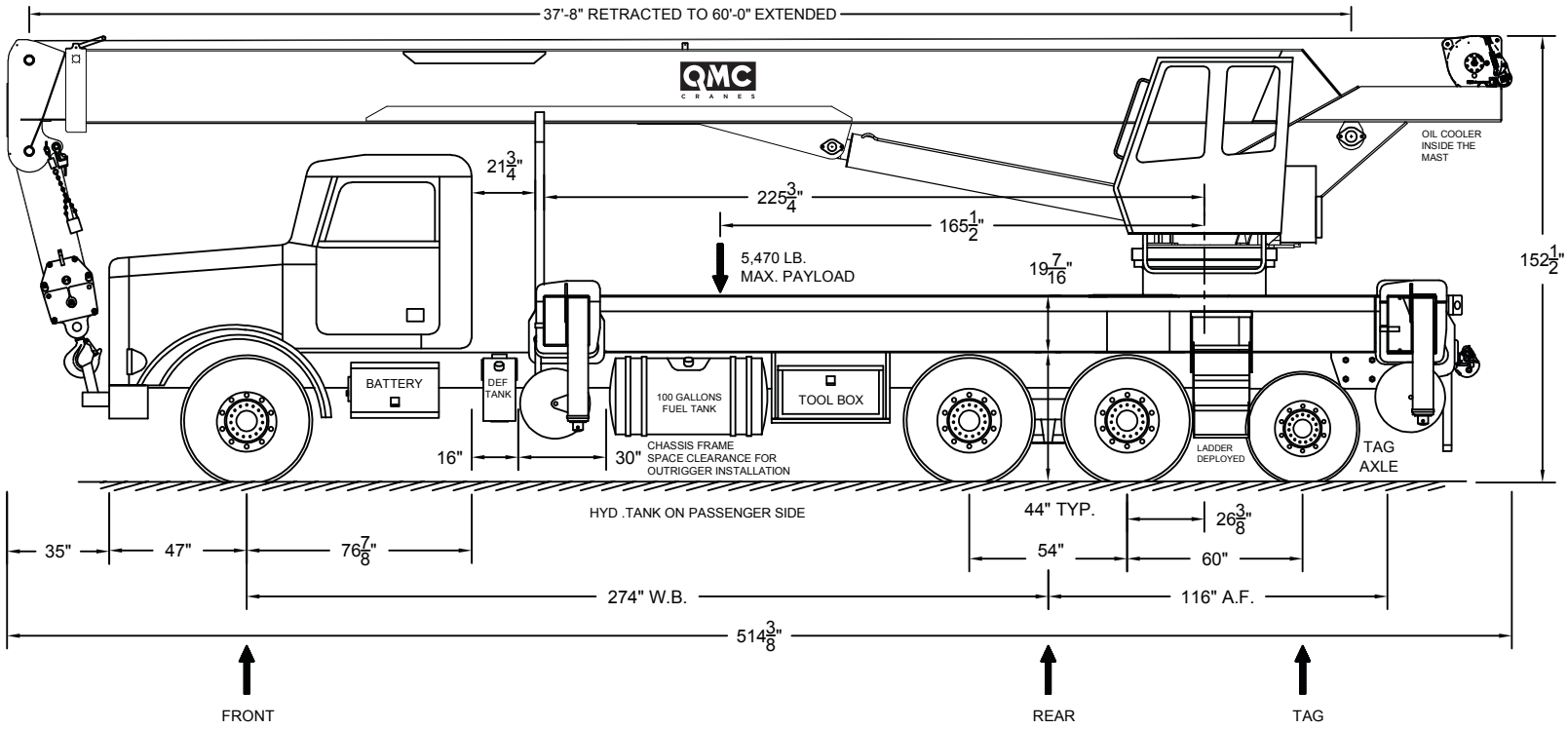
QMC 8060R

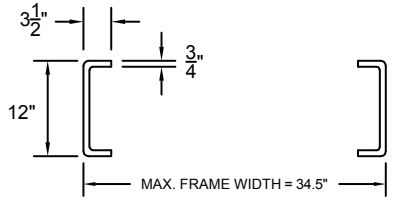
REAR MOUNT

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



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

WEIGHT DISTRIBUTION				
	FRONT	REAR	TAG	TOTAL
Truck	11,080	10,830	360	22,270
Crane	6,790	20,080	7,390	34,260
Payload	2,130	3,090	250	5,470
Totals	20,000	34,000	8,000	62,000

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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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.

Load Chart

38 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	RATED LOAD REAR	RATED LOAD SIDE	RATED LOAD FRONT
6	76	101,200	101,200	101,200
8	73	101,200	101,200	101,200
10	69	94,300	94,300	94,300
12	66	83,300	83,300	83,300
15	61	66,900	68,500	68,500
18	55	49,200	52,800	56,700
20	51	41,500	41,300	50,700
25	40	29,400	26,000	39,800
30	26	22,300	18,200	32,200
33.5	0	12,700	12,700	12,700

45 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	RATED LOAD REAR	RATED LOAD SIDE	RATED LOAD FRONT
8	76	76,600	76,600	76,600
10	73	76,600	76,600	76,600
12	71	76,600	76,600	76,600
15	66	67,100	68,600	68,600
18	62	49,300	53,100	56,800
20	59	41,700	41,500	50,800
25	51	29,600	26,200	39,900
30	42	22,500	18,500	32,600
35	31	17,800	13,800	21,600
40	13	13,900	10,600	15,400
40.9	0	9,800	9,800	9,800

53 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	RATED LOAD REAR	RATED LOAD SIDE	RATED LOAD FRONT
10	76	76,600	76,600	76,600
12	74	76,600	77,500	76,600
15	71	67,200	67,900	67,900
18	67	49,400	53,200	56,800
20	64	41,800	41,700	50,900
25	58	29,700	26,300	40,000
30	51	22,600	18,600	32,600
35	43	17,900	14,000	21,800
40	34	14,100	10,800	15,700
45	22	11,300	8,600	11,900
48.4	0	7,600	7,300	7,600

60 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	RATED LOAD REAR	RATED LOAD SIDE	RATED LOAD FRONT
10	79	74,600	74,600	74,600
12	77	68,800	68,800	68,800
15	74	59,800	59,800	59,800
18	70	49,500	52,700	52,600
20	68	41,800	41,800	48,800
25	63	29,700	26,400	40,000
30	57	22,600	18,700	32,700
35	51	17,900	14,000	22,000
40	44	14,200	10,900	15,900
45	36	11,400	8,700	12,000
50	27	9,300	7,000	9,400
55.8	0	6,000	5,400	6,000

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	11,250	22,500	33,750	45,000	56,250	67,500	78,750	90,000

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.