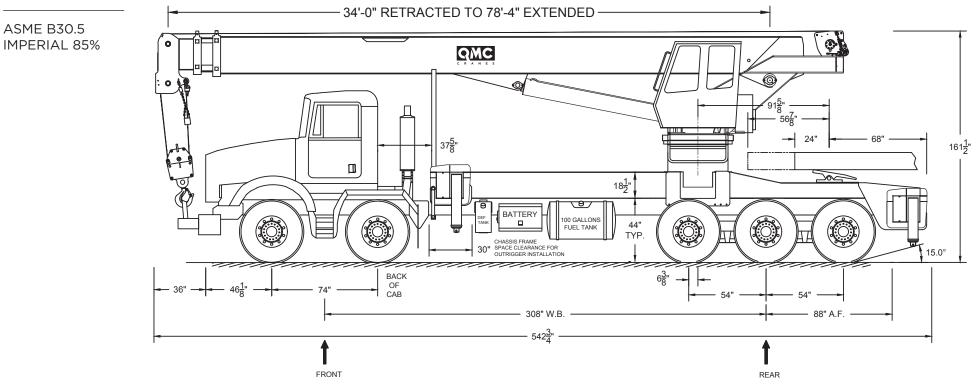
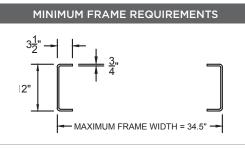
QMC 8078S

TRACTOR MOUNT



BASIS OF DESIGN						
ITEM	DESCRIPTION	REMARKS				
Tractor 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				



 FRONT
 REAR
 TOTAL

 Tractor
 15,550
 13,460
 29,010

 Crane
 14,180
 25,700
 39,880

 Totals
 29,730
 39,160
 68,890

WEIGHT DISTRIBUTION

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

Load Chart

34 FOOT BOOM						56 FOOT BOOM				78 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	REAR	RATED LOAD SIDE	FRONT	WORKING RADIUS	BOOM ANGLE	REAR	RATED LOAD SIDE	FRONT	WORKING RADIUS	BOOM ANGLE	REAR	RATED LOAD SIDE	FRONT
6	74	101,500	101,500	101,500										
8	70	100,800	95,000	96,800	8	79	68,800	68,800	68,800					
10	66	89,100	83,600	85,300	10	77	68,800	68,800	68,800					
12	63	79,800	74,400	76,100	12	75	70,200	70,200	70,200	12	81	53,200	53,200	53,200
15	57	68,200	60,500	64,000	15	72	64,300	60,800	64,300	15	78	46,500	46,500	46,500
18	50	56,200	48,800	51,700	18	68	56,500	49,100	52,000	18	76	40,600	40,600	40,600
20	46	50,100	43,000	45,500	20	66	50,400	43,300	45,900	20	74	37,500	37,500	37,500
25	32	39,000	31,800	34,600	25	60	39,300	32,400	35,000	25	70	31,100	31,100	31,100
					30	54	31,800	22,900	27,900	30	66	26,500	23,000	26,500
					35	47	26,400	17,100	20,600	35	62	23,000	17,300	20,800
					40	39	22,300	13,300	15,400	40	58	20,100	13,400	15,600
					45	30	19,100	10,500	11,900	45	53	17,800	10,700	12,100
					50	16	15,700	8,400	9,300	50	48	15,900	8,600	9,600
										55	43	14,300	7,000	7,700
										60	37	12,800	5,700	6,200
										65	30	11,300	4,700	5,000
										70	21	10,000	3,800	4,000
										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.



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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.