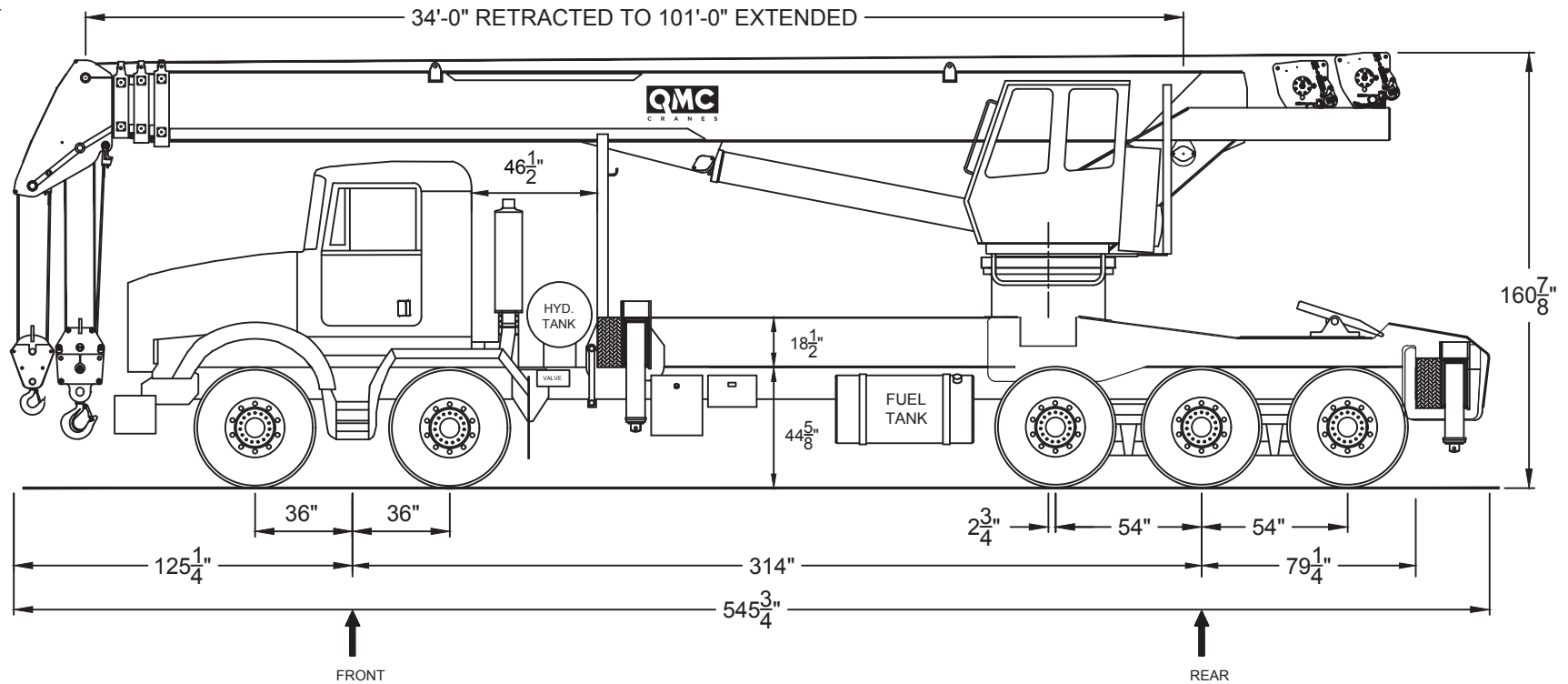


QMC 80101S

TRACTOR MOUNT

ASME B30.5
IMPERIAL 85%



BASIS OF DESIGN		
ITEM	DESCRIPTION	REMARKS
Tractor chassis		Per customer
Driver weight	250 pounds	Included in analysis
Fuel tank	200 gallons	Included in analysis
Hydraulic tank	100 gallons	Included in analysis, location may vary

MINIMUM FRAME REQUIREMENTS	
MAXIMUM FRAME WIDTH = 34.5"	

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

WEIGHT DISTRIBUTION			
	FRONT	REAR	TOTAL
Tractor	17,290	13,910	31,200
Crane	16,630	25,950	42,580
Totals	33,920	39,860	73,780

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.

34 FOOT BOOM					56 FOOT BOOM					78 FOOT BOOM					101 FOOT BOOM				
WORKING RADIUS	BOOM ANGLE	RATED LOAD			WORKING RADIUS	BOOM ANGLE	RATED LOAD			WORKING RADIUS	BOOM ANGLE	RATED LOAD			WORKING RADIUS	BOOM ANGLE	RATED LOAD		
		REAR	SIDE	FRONT			REAR	SIDE	FRONT			REAR	SIDE	FRONT			REAR	SIDE	FRONT
8	69	100,000	99,000	99,100															
10	66	93,300	87,400	87,400															
12	62	82,000	77,800	77,800	12	74	60,000	60,000	60,000										
15	56	67,600	66,800	66,800	15	71	60,000	60,000	60,000	15	78	48,500	47,700	48,700					
18	49	55,400	55,400	55,400	18	67	55,600	55,600	55,600	18	76	47,100	46,200	47,100					
20	45	49,200	49,200	49,200	20	65	49,700	49,700	49,700	20	74	45,600	45,500	45,600	20	79	29,000	29,000	29,000
25	31	37,900	37,800	33,300	25	59	38,500	38,500	35,100	25	70	38,400	37,600	35,500	25	76	24,400	24,400	24,400
					30	53	30,900	30,600	22,400	30	66	30,900	30,860	22,900	30	73	20,700	20,700	20,800
					35	46	25,400	25,400	15,400	35	62	25,400	25,400	16,000	35	70	17,600	17,600	16,700
					40	45	21,200	19,500	11,200	40	57	21,400	19,700	13,100	40	67	15,400	15,400	12,400
					45	29	17,900	15,800	8,200	45	52	18,100	16,100	9,300	45	63	13,500	13,500	9,500
					50	15	15,400	11,900	6,100	50	47	15,600	12,800	7,000	50	60	11,900	11,900	7,300
										55	42	13,200	10,500	5,400	55	57	10,600	10,900	5,800
										60	36	11,500	8,300	3,800	60	53	9,200	9,000	4,300
										65	29	9,900	6,900	2,800	65	49	8,300	7,700	3,400
										70	19	7,200	5,600	1,700	70	45	7,400	6,100	2,200
															75	41	6,600	4,900	1,200
															80	36	6,000	4,000	
															85	30	5,400	3,300	
															90	23	4,900	2,700	
															95	13	3,100	1,700	

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.