

# 50 TON WHL50TC77 TRACTOR



With a 50-ton lifting capacity, long reach and a sub-frame suitable for fifth wheel installation, the WHL50TC77 Tractor offers heavy lifting and versatility.

Out and down outriggers with independently operated horizontal extension cylinders and vertical jack cylinders, give the operator true stability on uneven surfaces or in tight locations. The fully equipped cab provides the operator with a comfortable working environment in all weather conditions. Mounted on a tandem steer tri-drive rear axle chassis with fifth wheel, this crane is truly capable of heavy lifting and heavy hauling.

## FEATURES & BENEFITS

- 50-ton lifting capacity (82,000 lbs at 10' radius)
- 87' tip height (fully extended)
- 3 section 77' fully proportional boom
- Tapered rear subframe for fifth wheel installation
- 30.5' retracted length
- Continuous rotation
- 15,000 lb, 2 speed grooved drum planetary winch with integral brake for high efficiency and security, includes cable packer.
- Out and down outriggers
- Dual fan oil cooler
- High strength box construction, welded booms for maximum strength to weight ratio
- A2B and LMI system with digital radio weight indicator
- Pre-wired boom and cab for work lights
- Remote Monitoring Video System - two cameras and one in-cab display (view right rear outriggers and winches)
- 40-ton four-sheave crane block (Easy Reeve)

## OPTIONAL EQUIPMENT

- 31' Orientable (0°, 15°, 30°) swing around jib, stows on side of boom
- 31' - 51' Orientable (0°, 15°, 30°) two-stage swing around jib, stows on side of boom
- Hydraulic tank heater
- Boom lights
- Auxiliary winch options: 12,000 lb or 15,000 lb winch
- Two person self leveling man basket
- Air conditioning
- Remote radio crane controls

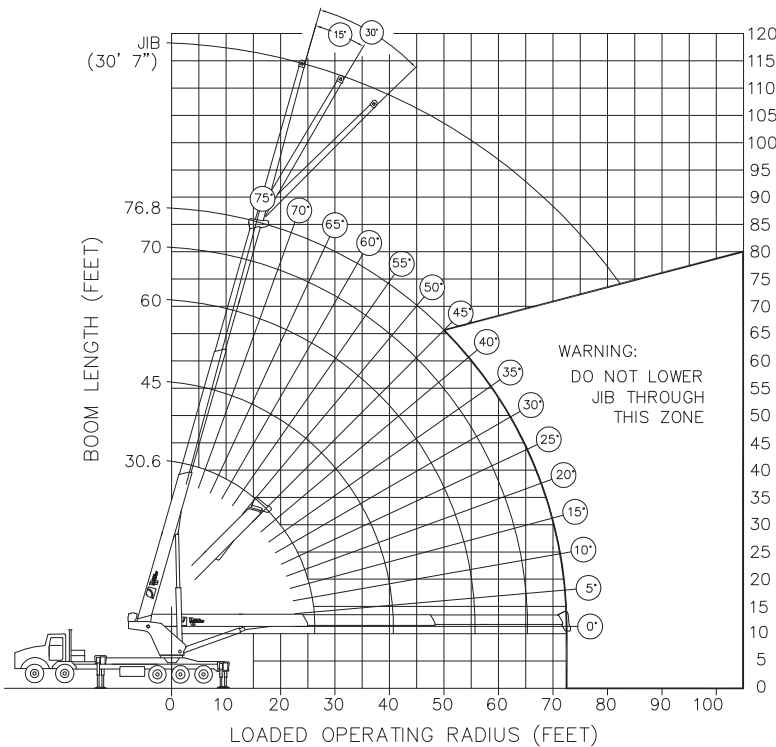
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# LOAD CHARTS AND SPECIFICATIONS

MAXIMUM RATED LOAD IN LBS. WITH OUTRIGGERS FULLY EXTENDED																					
LOADED OPERATING RADIUS	LOADED BOOM ANGLE	RETRACTED BOOM LENGTH	LOADED BOOM ANGLE	BOOM LENGTH	LOADED BOOM ANGLE	BOOM LENGTH	LOADED BOOM ANGLE	BOOM LENGTH	LOADED BOOM ANGLE	BOOM LENGTH	LOADED BOOM ANGLE	BOOM LENGTH	LOADED BOOM ANGLE	EXTENDED BOOM LENGTH	LOADED OPERATING RADIUS	30'7" ORIENTABLE JIB					
																0°		15°		30°	
																BOOM ANGLE	LOAD	BOOM ANGLE	LOAD	BOOM ANGLE	LOAD
FEET	°	30.6'	°	40'	°	50'	°	60'	°	70'	°	74'	°	76.8'	FEET	°	LB	°	LB	°	LB
10	62	82,000	69	61,200	74	56,250									10						
12	58	73,000	66	61,200	71	56,250	74	50,000							12						
15	51	63,500	61	59,000	67	52,800	71	45,000	74	36,000					15						
20	37	47,500	53	47,500	61	42,000	66	38,000	70	31,000	72	30,000	72	28,000	20						
25	16	37,000	43	36,900	54	32,900	61	31,000	65	27,000	68	26,000	68	25,000	25						
30			31	29,300	47	29,000	55	26,900	61	24,000	64	23,200	64	22,000	30	71	8,500				
35			12	23,300	38	23,500	49	23,600	56	22,000	59	20,600	59	19,000	35	69	8,250	73	6,800		
40					28	18,300	43	18,400	51	18,500	54	18,100	55	16,700	40	66	7,200	70	6,300	73	5,700
45					11	14,700	35	14,800	45	14,900	49	14,700	50	13,400	45	63	6,600	67	5,650	70	5,000
50							26	12,200	39	12,300	44	12,000	45	11,000	50	60	6,150	64	5,300	67	4,750
55							10	10,100	32	10,200	38	10,000	40	10,000	55	56	5,500	61	4,800	64	4,300
60									24	8,600	31	8,600	33	8,700	60	53	5,000	57	4,550	60	3,900
65									9	7,300	22	7,300	26	7,400	65	50	4,600	54	4,200	56	3,650
70													15	6,300	70			50	3,900	53	3,400
75														75						49	3,100
		975lbs		675lbs		500lbs		425lbs		375lbs		350lbs		325lbs		Deductions for Stowed Jib					

RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY.

- NOTE:**
1. Deductions must be made from rated loads for lifting accessories: fixed jibs, telescopic jibs, overhaul balls, load hooks, snatch blocks and load blocks
  2. Lift line ratings are based on 5/8" 18 x 19 rotation resistant wire rope with a minimum breaking strength of 45400 lbs (sf>5).
  3. Sheaves numbered from left to right when viewed facing the crane



1 PART LINE 9,000 LBS	6 PART LINE 54,000 LBS
2 PART LINE 18,000 LBS	7 PART LINE 63,000 LBS
3 PART LINE 27,000 LBS	8 PART LINE 72,000 LBS
4 PART LINE 36,000 LBS	9 PART LINE 81,000 LBS
5 PART LINE 45,000 LBS	10 PART LINE 90,000 LBS