

SOLID TO SUCCEED.



# XCA

# 275



# XCA275

- ▶ Designed based on North American standards and market adaptability; a variety of auxiliary transportation configurations to meet axle load limit requirements in different regions of North America.
- ▶ Seven-section 239.5 ft main boom, high lifting performance.
- ▶ Intelligent boom technology provides intelligent operation planning and operation safety protection;
- ▶ Intelligent driving control system, safe and reliable driving, and more adaptable to driving conditions;
- ▶ New appearance, human-computer interaction system, more comfortable operation.

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SCAN ME

# MAIN TECHNICAL PARAMETERS

CATEGORY	ITEMS		UNIT	PARAMETER	
Dimensions (525/80R25)	Dimensions (L x W x H)		ft	50.7 x 10.2 x 13.2	
	Wheelbase		ft	8.7 + 5.4 + 9.5 + 5.4	
	Track (Front/Rear)		ft	8.44/8.44/8.44/8.4/8.44	
	Front/ Rear overhang		ft	8.9/7	
	Front/ Rear extension		ft	5.5/0	
Weight (525/80R25)	Max. permissible total weight		lb	137,024	
	Axle load (525/80R25)	Axle 1	lb	27,380	
		Axle 2	lb	27,380	
		Axle 3	lb	27,380	
		Axle 4	lb	27,442	
	Axle 5	lb	27,442		
Power	Engine model			OM471LA.E4-1	OM471LA.E5-1
	Max. net power/rpm		bhp/rpm	523.0/1,700	523.0/1,700
	Max. output torque/rpm		lb-ft/rpm	1,814.5/1,300	1,917.7/1,300
Travel (525/80R25)	Max. travel speed		mph	≥ 49.7	
	Min. stable travel speed		mph	1.2~1.9	
	Min. turning diameter		ft	≤ 60.7	
	Min. turning diameter at boom head		ft	≤ 77.1	
	Min. ground clearance		ft	1.17	
	Approach angle		°	19	
	Departure angle		°	17.7	
	Braking distance (initial speed at 50 mph)		ft	≤ 216	
	Max. gradeability		%	≥ 60	
	Fuel consumption per 100km		US gal	17.2	
Noise	Exterior noise level when accelerating		dB(A)	≤ 80 (49.2°ft)	
				≤ 86 (24.6°ft)	
	Exterior noise level Noise level at seated position		dB(A)	≤ 122 ≤ 90	
Main Performance	Max. total rated lifting capacity		USt	*275	
	Min. rated working radius		ft	8*	
	Turning radius at turntable tail	At counterweight	ft	16.93	
		At auxiliary winch		15.9	
	Max.load moment	Base boom	kipf · ft	5,009.1	
		Fully-extended boom		2,185.8	
		Fully-extended boom + Jib		723.9	
	Outrigger span	Longitudinal	ft	30.15	
		Lateral		27.2/18	
	Lifting height	Base boom	ft	44	
		Fully-extended boom		241	
		Fully-extended boom + Jib		355	
	Boom length	Base boom	ft	44	
		Fully-extended boom		239.5	
		Fully-extended boom + Jib		368	
Jib offset angle		°	0, 20, 40		
Working Speed	Boom raising time		s	≤ 55	
	Boom fully extending time		s	≤ 750	
	Max. slewing speed		rpm	≥ 1.5	
	Lifting speed (single line, 4th later, no load)	Main winch system	fpm	≥ 426.5	
		Auxiliary winch system		≥ 426.5	

