

SPECIFICATIONS

Model		R430		
Type of ROPS / FOPS		CANOPY / CAB		
Engine	Model	D1803-CR-TIE4-WL5		
	Emission certification	Tier 4		
	Output (SAE J1995 gross)	HP (kW)/rpm	47.6 (35.5) / 2600	
	Output (SAE J1349 net)	HP (kW)/rpm	44.5 (33.2) / 2600	
	Displacement	cu.in. (cc)	111 (1826)	
Transmission	Type	Hydrostatic transmission		
Dimensions	Overall length	ft.in. (mm)	14' 4" (4355)	
	Overall height	ft.in. (mm)	8' 3" (2515)	
	Overall width (w/o bucket)	ft.in. (mm)	4' 12" (1520)	
	Ground clearance	in. (mm)	11" (280)	
Auxiliary circuit	Auxiliary hydraulic flow	gpm (ℓ/min.)	11.1 (42.1)	
	Auxiliary hydraulic pressure	psi (Mpa)	2697 (18.6)	
Drive system	Tire size	12.5 / 70-16-8PR		
	Travel speed	Low / High	mph (km/h)	3.0 (4.8) / 12.4 (20.0)
	Max. traction force	lbs. (kN)		5485 (24.4)
	Front axle traction lock			Limited slip differential
	Articulation angle	deg.		40 (each direction)
	Angle of rear frame oscillation	deg.		±8
	Loader clearance circle	ft.in. (mm)		12' 1" (3695)
	Turning radius track circle	ft.in. (mm)		10' 1" (3085)
	Brakes	Service	Enclosed wet disc	
		Parking	Spring applied hydraulic released wet disc	
Lifting specifications	Tipping load (straight)	w/ bucket (ISO14397-1)	lbs. (kg)	5335 (2420) / 5743 (2605)
		w/ pallet forks (ISO14397-1)	lbs. (kg)	3494 (1585) / 3770 (1710)
	Tipping load (full turn)	w/ bucket (ISO14397-1)	lbs. (kg)	4596 (2085) / 4949 (2245)
		w/ pallet forks (ISO14397-1)	lbs. (kg)	3009 (1365) / 3251 (1475)
	Rated operating capacity (50% of tipping load)	w/ bucket (ISO14397-1)	lbs. (kg)	2298 (1042) / 2474 (1122)
		w/ pallet forks (ISO14397-1/SAE J1197)	lbs. (kg)	1504 (682) / 1625 (737)
Operational specifications	Standard bucket capacity	yd ³		0.5
	Breakout force	lbs. (kN)		5215 (23.2)
	Lifting capacity at ground level	lbs. (kN)		3687 (16.4)
	Loader raise / lower time	sec.		4.4 / 3.3
Fuel tank	gal. (ℓ)		14.3 (54)	
Hydraulic system	gal. (ℓ)		15.3 (58)	
Hydraulic reservoir	gal. (ℓ)		11.1 (42)	
Operating weight (Including operator weight @ 165 lbs.)		lbs. (kg)		7758 (3519) / 8232 (3734)

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