

Specifications

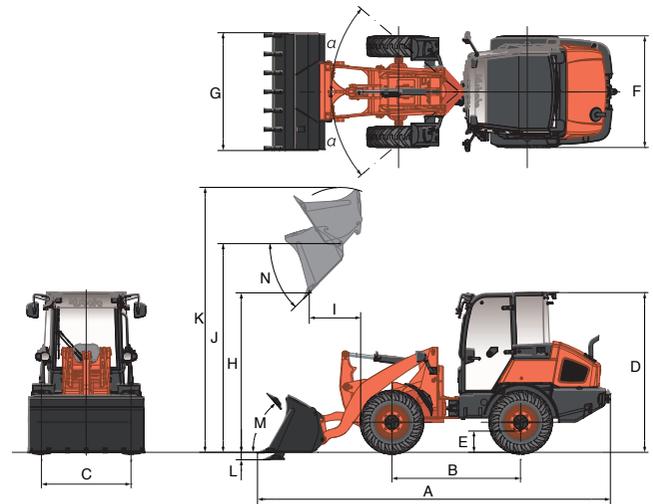
Model		R540	R640		
Type of ROPS / FOPS		CANOPY / CAB			
Model		V2607-CR-E5-WL	V2607-CR-TE5-WL		
Emission certification		Tier4 Final			
Engine	Output (SAE J1995 gross)	HP (kW) @ rpm	50.9 (38.0) @ 2400	64.3 (48.0) @ 2400	
	Output (SAE J1349 net)	HP (kW) @ rpm	47.9 (35.7) @ 2400	61.1 (45.6) @ 2400	
	Displacement	cu.in. (cc)	160 (2615)		
Transmission		Hydrostatic transmission			
Dimensions	Overall length	ft.in. (mm)	17' 8" (5395)	18' 0" (5483)	
	Overall height	ft.in. (mm)	8'1" (2453) / 8'2" (2473)	8'2" (2478) / 8'2" (2498)	
	Overall width (w/o bucket)	ft.in. (mm)	5' 7" (1712)	5' 11" (1800)	
	Ground clearance	in. (mm)	13" (330)		
Auxiliary circuit	Auxiliary hydraulic flow	gpm (ℓ/min.)	14.2 (53.8)	17.8 (67.2)	
	Auxiliary hydraulic pressure	psi (Mpa)	2683 (18.5)	2973 (20.5)	
Drive system	Tire size		12.5 - 18		
	Travel speed		mph (km/h)		0 - 12.4 (0 - 20.0)
	Max. traction force		lbs. (kN)	6541 (29.1)	8588 (38.2)
	Front/Rear axle traction lock		Diff-lock (both axles)		
	Articulation angle		deg.	40 (each direction)	
	Angle of rear frame oscillation		deg.	±8	
	Loader clearance circle		ft.in. (mm)	13' 8" (4175)	13' 10" (4221)
	Turning radius track circle		ft.in. (mm)	11' 11" (3620)	12' 0" (3664)
	Brakes		Service	Enclosed wet disc	
			Parking	Spring applied hydraulic released wet disc	
Lifting specifications	Tipping load (straight)	with bucket	lbs. (kg)	6437 (2920) / 6768 (3070)	7452 (3380) / 7760 (3520)
		with pallet forks	lbs. (kg)	4960 (2250) / 5202 (2360)	5820 (2640) / 6063 (2750)
	Tipping load (full turn)	with bucket	lbs. (kg)	5644 (2560) / 5930 (2690)	6526 (2960) / 6812 (3090)
		with pallet forks	lbs. (kg)	4365 (1980) / 4586 (2080)	5115 (2320) / 5313 (2410)
Rated operating capacity (SAE 50%)	with bucket	lbs. (kg)	2822 (1280) / 2965 (1345)	3263 (1480) / 3406 (1545)	
	with pallet forks	lbs. (kg)	2183 (990) / 2293 (1040)	2558 (1160) / 2657 (1205)	
Operational specifications	Standard bucket capacity		yd ³	0.85	0.94
	Breakout force		lbs. (kN)	8183 (36.4)	9869 (43.9)
	Lifting capacity at ground level		lbs. (kN)	6767 (30.1)	8161 (36.3)
	Loader raise / lower time		sec.	6.5 / 4.5	5.8 / 3.9
Fuel tank		gal. (ℓ)	18.5 (70)		
Hydraulic system		gal. (ℓ)	15.1 (57)		
Hydraulic reservoir		gal. (ℓ)	10.3 (39)		
Operating weight (Including operator weight @ 165lbs.)		lbs. (kg)	9888 (4485) / 10285 (4665)	11177 (5070) / 11563 (5245)	

Working range

		R540	R640
A	Overall length	ft.in. (mm)	17' 8" (5395) / 18' 0" (5485)
B	Wheelbase	ft.in. (mm)	6' 7" (2000)
C	Tread	ft.in. (mm)	4' 5" (1355) / 4' 7" (1400)
D	Overall height (canopy / cabin)	ft.in. (mm)	8'1" (2453) / 8'2" (2473) / 8'1" (2478) / 8'2" (2498)
E	Ground clearance	in. (mm)	12.5" (317) / 13.5" (342)
F	Overall width (outside of tires)	ft.in. (mm)	5' 7" (1712) / 5' 11" (1800)
G	Overall width (bucket)	ft.in. (mm)	6' 2" (1867) / 6' 4" (1918)
H	Dumping clearance	ft.in. (mm)	8' 0" (2438) / 7' 9" (2367)
I	Dumping reach	ft.in. (mm)	2' 7" (784) / 2' 9" (830)
J	Max. hinge pin height	ft.in. (mm)	10' 7" (3230) / 10' 8" (3255)
K	Max. lifting height	ft.in. (mm)	13' 5" (4080) / 13' 8" (4175)
L	Digging depth	in. (mm)	6.1" (155) / 5.1" (130)
M	Tilt back angle (at traveling position)	Deg.	50
N	Dumping angle	Deg.	45
O	Articulation angle	Deg.	40

Note: The above dimensions are based on the machine with wide tires, SSL type quick coupler, standard bucket and ROPS/FOPS canopy and cabin.

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KUBOTA TRACTOR CORPORATION

1000 Kubota Drive, Grapevine, TX 76051 Tel 888-4 KUBOTA

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