

Kubota

U55 Excavator

Competitive Comparison

		KUBOTA U55	Case CX50B	Cat 305C CR	Deere 50D	Komatsu PC55MR-3	
Engine	Engine Model	Kubota V2607 - DI	Yanmar 4TNV88	Mitsubishi S402-T	Yanmar 4TNV88	Komatsu 4D88E-6	
	Output (SAE J1995 gross)/rated speed	HP/rpm	47.6 / 2200	39.8 / 2400	48.5 / 2400	39.9 / 2400	38.2 / 2400
	Displacement	cu. in.	159.6	133.5	152.6	133.6	134.0
Dimension	Overall length	ft. in.	18' 0.5"	17' 1"	17' 10"	17' 11"	18' 3"
	Overall height	ft. in.	8' 4.4"	8' 6"	8' 3"	8' 3"	8' 7"
	Overall width	ft. in.	6' 5.2"	6' 5"	6' 6"	6' 6.7"	6' 5"
	Tail swing radius	ft. in.	3' 5.1"	3' 2"	3' 6"	3' 3.4"	3' 6"
	Tail swing overhang	in.	2.6"	0.0	3.5	3.1	3.1
	Minimum ground clearance	in.	12.2"	13	2	13.4	-
Working range Long stick	Maximum digging height	ft. in.	18' 3.7"	19' 3"	18' 6"	18' 11"	19' 6"
	Maximum dumping height	ft. in.	13' 2.3"	14' 1"	13' 3"	13' 4.6"	13' 11"
	Maximum digging radius at ground	ft. in.	19' 6.1"	19' 10"	19' 10"	18' 11.9"	19' 11"
	Maximum digging depth	ft. in.	11' 10.3"	12' 10"	12' 9"	11' 9.7"	12' 6"
	Maximum vertical digging depth	ft. in.	4' 11.6"	13' 3"	9' 7"	10' 4.4"	9' 11"
Hydraulic System	Pump capacity	Gpm	39.4	30	34.3	33	37.1
	Auxiliary hydraulic line flow rate	Gpm	19.8 / 9.8	15	18.5 / 9.2	22.5	18.5
	Maximum arm crowd force	lbf	6,261	5,238	5,580	5,401	5,380
	Maximum bucket breakout force	lbf	11,177	11,128	11,442	8,273	8,770
Drive system	Maximum traveling speed	mph	1.8 / 3.1	1.7 / 2.9	1.7 / 2.9	1.7 / 2.7	1.7 / 2.9
	Maximum traction force	lbf	14,480	12,170	10,809	10,141	9,440
	Under carriage shoe width	in.	15.7	15.7	15.7	15.7	15.7
	Ground pressure, rubber / steel	psi	4.57 / 4.65	3.9 / -	- / -	4.07 / -	4.4 / -
Swing system	Unit swing speed	rpm	9.3	8.8	9.0	9.0	9.0
	Boom swing angle	degrees	70 / 55	70 / 60	60 / 50	80 / 60	85 / 50
Blade	Blade width x height	in.	77.2 x 16.7	77 x 14	78 x 14.8	78.7 X 16.9	77 x 14
	Maximum lift above ground	in.	20	20	16.5	16.9	17
	Maximum drop below ground	in.	18.3	18	21.3	13.2	13
Capacities	Fuel reservoir	Gal	18.0	14.0	19.0	18.5	17.2
	Hydraulic reservoir / system	Gal	11.9 / 20.7	40499	12.7 / 20.0	13.2 / -	5.3 / -
Operating weight	Rubber tracks, canopy	Lb.	12,280	10,261	11,729	11,164	11,378