

U17 Competitive Comparison



FEATURE			KUBOTA U17	Deere 17G	Cat 301.7D CR	Yanmar Vi017-A
Engine	Engine Model		Kubota D902	Yanmar 3TNV74F	Yanmar 3TNV76	Yanmar 3TNV74F0
	Horsepower (*SAE J 1995 Gross)	HP / rpm	15.2 / 2300*	14.5 / 2400	17.7 / 2600	14.5 / 2400
	Displacement	cu. in.	54.8	61	40.0	61.0
	Emissions Tier Level (EPA)		Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final
Dimension	Overall length	in.	139.6	141.3	140.0	136.0
	Overall height	in.	92.1	94	92.0	91.0
	Overall width	in.	39 / 49	39 / 50	39 / 51	37 / 49
	Tail swing type		Zero	Minimal	Minimal	Zero
	Tail swing overhang	in.	0.0	4.5		
	Min. ground clearance	in.	5.9	6	--	7.0
Working range	Max. digging height	in.	139.4	139	136.0	145.0
	Max. dumping height	in.	96.1	99	96.0	104.0
	Max. digging radius @ ground	in.	151.2	---	146.0	146.0
	Max. digging depth	in.	90.9	86.0	90.0	91.0
	Max. vertical digging depth	in.	75.2	---	62.0	72.8
Hydraulic System	Pump capacity	GPM	11.9	13.1	10.5	15.3
	Number of hydraulic pumps		3	3		4
	Auxiliary hydraulic flow rate	GPM	7.3	7.9	9.0	8.1
	Auxiliary relief	psi	3,129	---	3,481	2,625
	Maximum arm crowd force	lbf	1,918	2046	1,890	1,918
	Max. bucket digging force	lbf	3,417	3597	3,190	3,417
Drive system	Traveling speed	mph	1.4 / 2.6	1.5 / 2.6	1.7 / 3.5	1.3 / 2.7
	Max. traction force	lbf	4865	---	--	4183
	Track shoe width	in.	9.1	9	9.1	9.1
	Ground contact pressure	psi	3.8	4.1		4.1
Swing system	Unit swing speed	rpm	9.1	9.4		9.5
	Boom swing angle (L / R)	degree	65 / 58	70 / 50	65 / 57	42 / 65
Blade	Blade width x height	in.	39 / 49 x 10.3	39 / 50 x 10.2	39 / 51 x 9	39 / 51 x 9
	Max. lift above ground	in.	11.0	11.2	11	10
	Max. drop below ground	in.	7.5	9.1	12	--
Capacities	Fuel reservoir	gal.	5	5.3	5.0	5.3
	Hydraulic reservoir / system	gal.	3.4 / 6.1	3.7 / --	5.3 / --	4.4 / --
Operating weight	Rubber tracks, canopy	lbs.	3,814	3,790	3,726	3,836

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U25 Competitive Comparison



FEATURE			KUBOTA U25	Bobcat E26	Cat 302.7D CR	Deere 26G	Yanmar ViO25-6A
Engine	Model		Kubota D1105	Kubota V1505	Yanmar 3TNV76	Yanmar 3TNV80F	Yanmar 3TNV80F
	Horsepower (*SAE J 1995 Gross)	HP / rpm	19.8 / 2400*	24.8 / 2500	20.7 / 2500	20 / 2500	20.4 / 2500
	Displacement	cu. in.	68.5	91.4	68	77	---
	Emissions Tier Level (EPA)		Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final
Dimension	Overall length	in.	163.3	170.4	168.0	165.0	161.0
	Overall height	in.	95.3	95.0	95.0	96.0	98.0
	Overall width	in.	59.1	60.0	62.0	55.0	59.0
	Tail swing type		Zero	Zero	Zero	Zero	Zero
	Tail swing overhang	in.	0.5	0.8	-1.0	0.5	0
	Min. ground clearance	in.	11.2	---	---	12.6	
Working range Long stick	Max. digging height	in.	178.3	176.0	169.0	175	176.0
	Max. dumping height	in.	126.4	126.3	116.0	126	109.0
	Max. digging radius @ ground	in.	183.9	191.0	185.0	NP	
	Max. digging depth	in.	106.7	114.0	108.0	102.0	108.0
	Max. vertical digging depth	in.	101.6	81.8	85.0	---	
Hydraulic System	Pump capacity	GPM	20.3	21.7	23.6	20	24.4
	Number of hydraulic pumps		3	3	3	3	4
	Auxiliary hydraulic flow rate	GPM	12.7	12.5	13.8	12.2	13.6
	Auxiliary relief	psi	3484	2610	3263	---	2987
	Maximum arm crowd force	lbf	2745	2967	3057	3410	
	Max. bucket digging force	lbf	5765	4991	5058	4994	4079
Drive system	Traveling speed	mph	1.6 / 2.9	1.5 / 2.8	1.3 / 2.3	1.8 / 2.8	1.7 / 2.8
	Max. traction force	lbf	6745	---	---	---	
	Under carriage shoe width	in.	11.8	11.8	11.8	12	10
	Ground contact pressure	psi	3.32	3.7	4.7	3.6	
Swing system	Unit swing speed	rpm	9.8	8.9	---	9.1	10
	Boom swing angle (L / R)	degree	75 / 55	60 / 60	75 / 50	70 / 60	47 / 74
Blade	Blade width x height	in.	59 x 11.8	59.6 x 15.1	61.9 x 11.4	61 x 14.2	59 x 13
	Max. lift above ground	in.	14	15.1	15	14	14
	Max. drop below ground	in.	13	12.4	16.5	12	13
Capacities	Fuel reservoir	gal.	7.4	9.1	9.3	9	8.1
	Hydraulic reservoir / system	gal.	5.8 / 9.8	3.9 / 6.6	7 / ---	6.3 / ---	14.3 / ---
Operating weight	Rubber tracks, canopy	lbs.	5,625	6214	5681	5780	5919

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U35-4 Competitive Comparison



FEATURE			Kubota U35-4	Bobcat E35i	Bobcat E35	Cat 303.5E2CR	Deere 35G	Takeuchi TB230
Engine	Model		Kubota D1703	Kubota D1703	Doosan D18NAP	Cat C1.7	Yanmar 3TNV88	Yanmar 3TNV88F
	Horsepower (*SAE J 1995 Gross)	HP / rpm	24.8 / 2200 *	24.1 / 2200	31.2 / 2400	24.8 / 2400	23.3 / 2400	24.4 / 2200
	Displacement	cu. in.	100	100	109.5	104.0	100.2	81
	Emissions Tier Level (EPA)		Tier 4 Final	Tier 4 Final	Tier 4	Tier 4	Tier 4	Tier 4 Final
Dimensions	Overall length	in.	186.9	190.1	190.1	186.2	183.0	181.0
	Overall height	in.	97.2	95.6	95.6	98.0	96.9	100.0
	Overall width	in.	66.9	68.9	68.9	70.0	68.5	57.5
	Tail swing type		Minimal	Minimal	Minimal	Zero	Zero	Conventional
	Tail swing overhang	in.	2.0	3.6	3.6	- 2.0	- 0.5	
	Min. ground clearance	in.	11.3	---	---	---	11	11.9
Working Range	Max. digging height	in.	190.7	196.3	196.3	194.0	191.7	175.1
	Max. dumping height	in.	133	138.6	138.6	138.0	136.6	127.0
	Max. digging radius @ ground	in.	203	217.3	217.3	199.2	205	185.8
	Max. digging depth	in.	117	134.5	134.5	114.0	120	112.0
	Max. vertical digging depth	in.	79	95.0	95.0	91.3	---	85.0
Hydraulic System	Pump capacity	GPM	26.5	26.7	29.1	26.4	26.2	24.2
	Number of hydraulic pumps		3	2	2	1	3	3
	Auxiliary hydraulic flow rate	GPM	15.8	16.9	16.9	18.5	16.2	13.4
	Auxiliary relief	psi	2490	2987	2987	3553	---	---
	Maximum arm crowd force	lbf	4451	3986	3986	4249	4277	2900
	Max. bucket digging force	lbf	7924	6968	6968	7419	6085	6471
Drive System	Traveling speed	mph	1.9 / 2.9	1.6 / 2.9	1.6 / 2.9	2.0 / 2.9	1.7 / 2.7	1.8 / 3.2
	Max. traction force	lbf	6091	---	---	6969	---	6334
	Under carriage shoe width	in.	11.8	12.6	12.6	12	12	11.8
	Ground contact pressure	psi	4.89	4.6	4.6	4.6	4.6	4.3
Swing system	Unit swing speed	rpm	8.9	8.6	8.6	10	9	10.3
	Boom swing angle (L / R)	degree	71 / 45	75 / 55	75 / 55	55 / 50	72 / 62	60 / 80
Blade	Blade width x height	in.	66.9 x 13.5	68.9 x 13.9	68.9 x 13.9	70 x 12.8	69 x 14.6	57.1 x 11.8
	Max. lift above ground	in.	14.6	14.8	14.8	16	14.6	9.9
	Max. drop below ground	in.	14.5	14.6	14.6	17	15.4	11.1
Capacities	Fuel reservoir	gal.	12.4	14.0	14.0	12.2	11.1	14
	Hydraulic reservoir / system	gal.	11.8 / 16.1	2.5 / 10.5	2.5 / 10.5	11.2 / 17.2	8.5 / ---	9.2 / 14.8
Operating weight	Rubber tracks, canopy	lbs.	8129	8143	8143	7803	7760	6360

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U55-4 Competitive Comparison



FEATURE			Kubota U55-4	Bobcat E50	Cat 305.5E2 CR	Deere 60G	Takeuchi TB153FR
Engine	Model		Kubota V2607	Doosan D24NAP	Cat C2.4	Yanmar 4TNV98	Yanmar 4TNV88
	Horsepower (*SAE J 1995 Gross)	HP / rpm	47.6 / 2200*	45.7 / 2200	45.7 / 2400	53 / 2000	38.7 / 2400
	Displacement	cu. in.	159.6	146.0	146.0	203.0	134.0
	Emissions Tier Level (EPA)		Tier 4 Final	Tier 4	Tier 4 Final	Tier 4 Final	Tier 4 Interim
Dimension	Overall length	in.	216.5	218.7	210.0	227.0	217.7
	Overall height	in.	100.4	99.7	100.4	100	101.8
	Overall width	in.	77.2	77.2	78.0	79	78.7
	Tail swing type		Minimal	Minimal	Minimal	Conventional	Minimal
	Tail swing overhang	in.	2.6	3.6	4.0	16.5	4.5
	Minimum ground clearance	in.	12.2	---	---	13.0	11.8
Working range	Maximum digging height	in.	219.7	230.3	210.0	235	216.1
	Maximum dumping height	in.	158.3	162.7	150	164.0	153.0
	Maximum digging radius at ground	in.	234.1	249.3	222.0	---	238.8
	Maximum digging depth	in.	142.3	154.5	137.0	150.8	153.5
	Maximum vertical digging depth	in.	59.6	126	92	---	119.3
Hydraulic System	Pump capacity	GPM	39.4	36.6	39.6	38	42.8
	Number of hydraulic pumps		3	1	---	1	4
	Auxiliary hydraulic line flow rate	GPM	19.8	20	21.1	24.2	25.6
	Auxiliary relief	psi	2490	3045	2734	---	---
	Maximum arm crowd force	lbf	6261	5751	5557	6,989	5670
	Maximum bucket digging force	lbf	11,177	8,977	11,445	9,237	11,093
Drive system	Maximum traveling speed	mph	1.8 / 3.1	1.9 / 3.1	1.7 / 2.8	1.8 / 3.0	1.7 / 3.1
	Maximum traction force	lbf	14,480	---	10,746	---	12,613
	Under carriage shoe width	in.	15.7	15.7	15.7	15.7	15.7
	Ground pressure	psi	4.4	4.1	4.5	5.12	4.6
Swing system	Unit swing speed	rpm	9.3	9.0	10.0	9.5	10.0
	Boom swing angle	degree	70 / 55	75 / 50	60 / 50	80 / 60	15 / 30
Blade	Blade width x height	in.	77.2 x 16.1	77.2 x 17.6	78 x 14.8	79 X 16.0	78.7 / 16.9
	Maximum lift above ground	in.	17.3	15	15.9	18	13
	Maximum drop below ground	in.	16.1	18.3	21.9	15	12.8
Capacities	Fuel reservoir	gal.	18.0	21.1	16.6	31.7	17.2
	Hydraulic reservoir / system	gal.	11.9 / 20.9	4.0 / 14.5	18.0 / 20.6	21.1 / ---	18 / 21.9
Operating weight	Rubber tracks, canopy	lbs.	11,915	11,195	11,503	13547 w/cab	12,450

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