

RIPPA BRAND EXCAVATORS: POWER & PERFORMANCE

										
Brand model			R10-5 ECO	R13-3 PRO	R15-4 ECO	R18-4 PRO	R22-2 PRO	R32-3 PRO	R57-1 PRO	R82-1 PRO
Engine	Engine model		Kubota Z482	Kubota D722	Kubota D722	Kubota D902	Kubota D1105	Kubota V1505	Kubota V2607	Yanmar 4TNV94L /Yanmar 4TNV98C /Kubota V2607
	Number of cylinders		2	3	3	3	3	4	4	4
	Rated power		8.2kw/11 hp	10.2kw/13.7 hp	10.2kw/13.7 hp	11.8kw/15.80 hp	18.2kw/24.4 hp	18.2kw/24.4 hp	35.5kw/47.6 hp	35.9kw/48.1 hp 49.9kw/66.9 hp 35.5kw/47.6 hp
Main pump	Number of main pump types		Gear pump × 1	Gear pump × 3	Gear pump × 3	Variable displacement piston pump × 1	Variable displacement piston pump × 1	Variable displacement piston pump × 1	Variable displacement piston pump × 1	Variable displacement piston pump × 1
	Maximum flow rate		18L/min 4.76 GPM	25L/min 6.6 GPM	21.6L/min 5.7 GPM	41.4L/min 10.9 GPM	67.2L/min 17.7 GPM	99L/min 26.1 GPM	149.6L/min 39.5 GPM	144L/min / 38 GPM 172.8L/min / 45.7 GPM 149.6L/min/39.5GPM
Operating system	Compound motion		/	✓	/	✓	✓	✓	✓	✓
	Pilot system		/	4-way pilot-operated +4-way mechanically operated	4-way pilot-operated +4-way mechanically operated	10-way pilot-operated	9-way pilot-operated	9-way pilot-operated	8-way pilot-operated	8-way pilot-operated
Valve (Control principle)	Valve types		Mechanical control valve	Hydraulic and mechanical valve	Hydraulic and mechanical valve	Load-sensitive control valve	Load-sensitive control valve	Load-sensitive control valve	Load-sensitive control valve	Load-sensitive control valve
Hydraulic motor	Travel motor	Single-speed Two-speed	Single-speed	Two-speed	Two-speed	Two-speed	Two-speed	Two-speed	Two-speed	Two-speed
		Motor types	Cycloidal motor	Cycloidal motor	Cycloidal motor	Plunger motor	Plunger motor	Plunger motor	Plunger motor	Plunger motor
	Swing motor	Motor types	Cycloidal motor	Cycloidal motor	Cycloidal motor	Cushioned cycloidal motor	Cushioned cycloidal motor	Cushioned plunger motor	Plunger motor	Plunger motor
Basic parameters	Total weight		978kg/2152 lb	1320kg/2904.0 lb	1445kg/3179.0 lb	1818kg/4008 lb	2439kg/5366.0 lb	3219kg/7082.0 lb	5775kg/12705 lb	8275kg/18205 lb
	System working pressure		16MPa 2320.6psi	18MPa 2610.7psi	18MPa 2610.7psi	20MPa 2900.8psi	20MPa 2900.8psi	20MPa 2900.8psi	22.5MPa 3263.4psi	22.5MPa 3263.4psi
	Maximum excavation depth		1833mm/72.2in	2044mm/80.5in	1807mm/71.1in	2420mm/95.3in	2293mm/90.3in	2827mm/111.3in	3785mm/149.0in	4020mm/158.3in
	Minimum transport width		912mm/35.9in	849mm/33.4in	983mm/38.7in	989mm/38.9in	1300mm/51.2in	1550mm/61.0in	2000mm/78.7in	2242mm/88.3in
	Swing System		Conventional	ZTS	ZTS	ZTS	ZTS	ZTS	Conventional	Conventional
	Total track length		2664mm/104.84in	2952mm/116.22in	2952mm/116.22in	3552mm/139.84in	3948mm/155.47in	4410mm/173.62in	5400mm/212.60in	5852mm/230.39in
Other	Smart display system		/	/	/	✓	✓	✓	✓	✓
	Number of attachment ports		4	4	4	4	4	4	4	4
	Hydraulic oil cooler		✓	✓	✓	✓	✓	✓	✓	✓
	TOPS		/	✓	✓	✓	✓	✓	/	/
	ROPS		/	✓	✓	✓	✓	✓	/	/
	Counterweight		0	148kg/326.3 lb	144kg/317.5 lb	206kg/454.2 lb	174kg/383.6 lb	345kg/760.6 lb	205kg/451.9 lb	620kg/1366.9 lb
	Track specifications (Width × Pitch × Number of Links)		180mm*72mm*37L 7.09in*2.83in*37L	180mm*72mm*41L 7.09in*2.83in*41L	180mm*72mm*41L 7.09in*2.83in*41L	230mm*48mm*74L 9.06in*1.89in*74L	250mm*47mm*84L 9.84in*1.85in*84L	300mm*52.5mm*84L 11.81in*2.07in*84L	400mm*135mm*40L 15.75in*5.32in*40L	450mm*154mm*38L 17.72in*6.06in*38L
	Track type		Rubber track	Steel track with rubber pads	Rubber track	Rubber track	Rubber track	Rubber track	Steel track with rubber pads	Steel track with rubber pads
	Air conditioner		/	/	/	/	Heat and cool air conditioner	Heat and cool air conditioner	Heat and cool air conditioner	Heat and cool air conditioner
Configuration	Engine	YOUP	○	—	—	—	—	—	—	—
		B&S	○	—	—	—	—	—	—	—
		Yanmar	—	—	—	—	—	—	○	●
	Front-mounted attachment		○	—	—	—	—	—	—	—
	Retractable tracks		○	●	●	●	●	—	/	/
	Side swing boom		○	●	●	●	●	●	○	○
	Cabin		○	/	○	○	●	●	●	●

Note: ● Standard ○ Optional — Not available