

R18

High technology and innovative upgrades
set the industry benchmark



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Cylinder upper + cylinder
guard plate



Top and front protection
against falling objects



Load sensing valve + variable dis-
placement piston pump



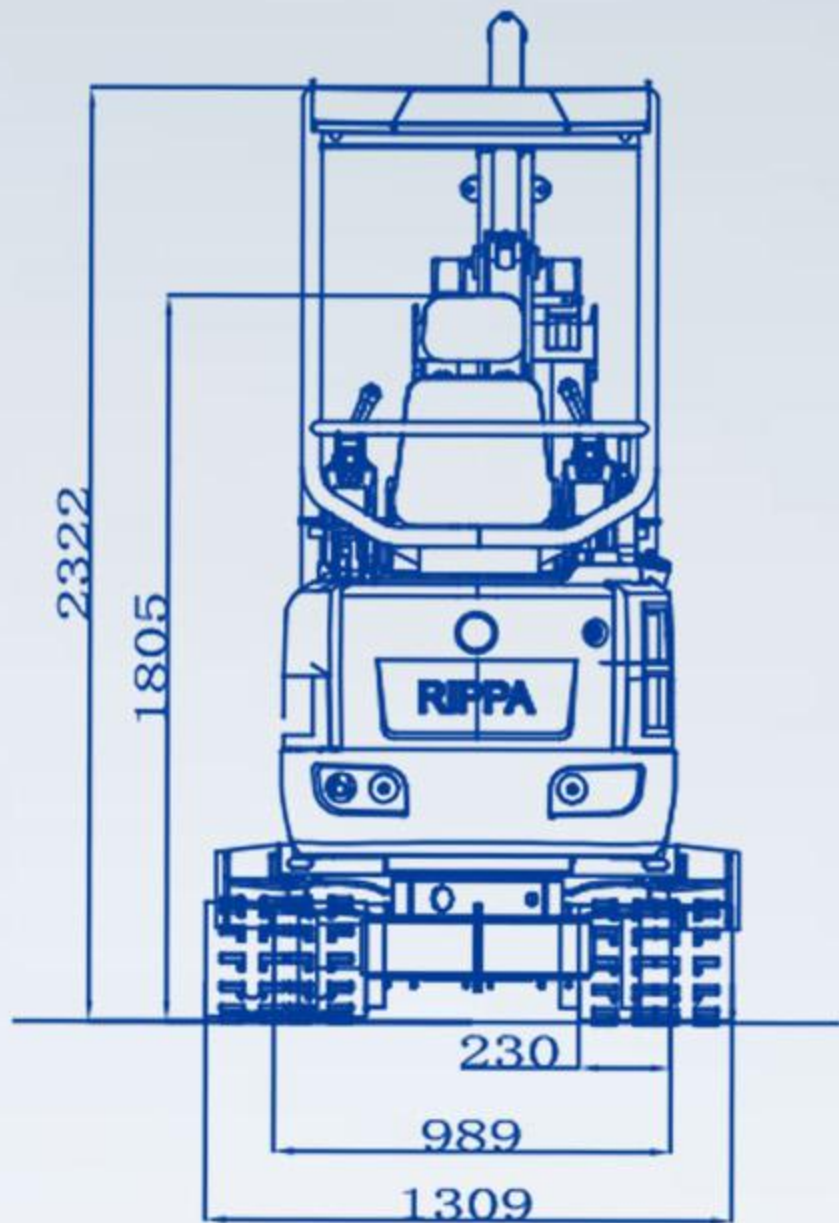
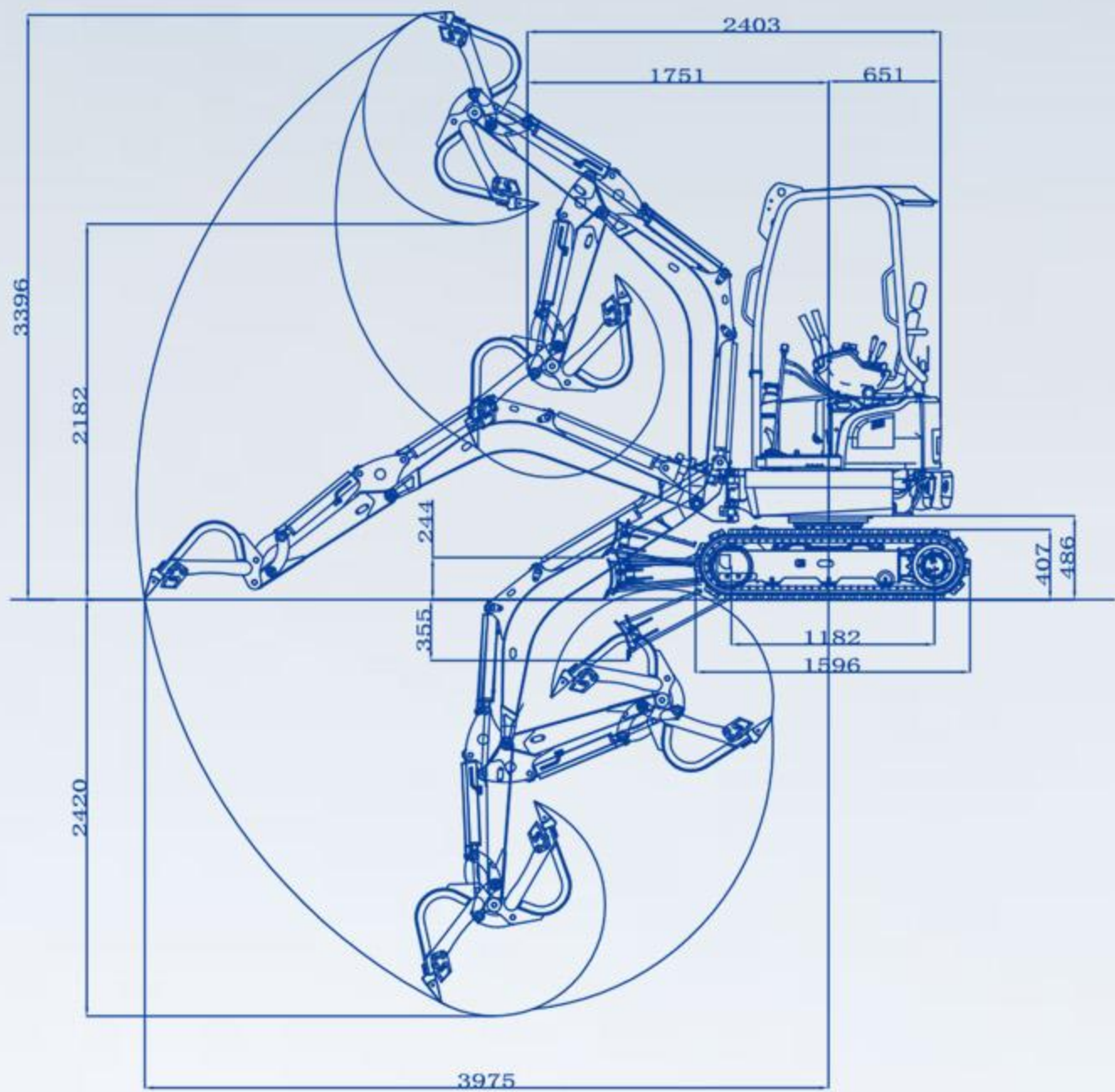
Eaton swing motor



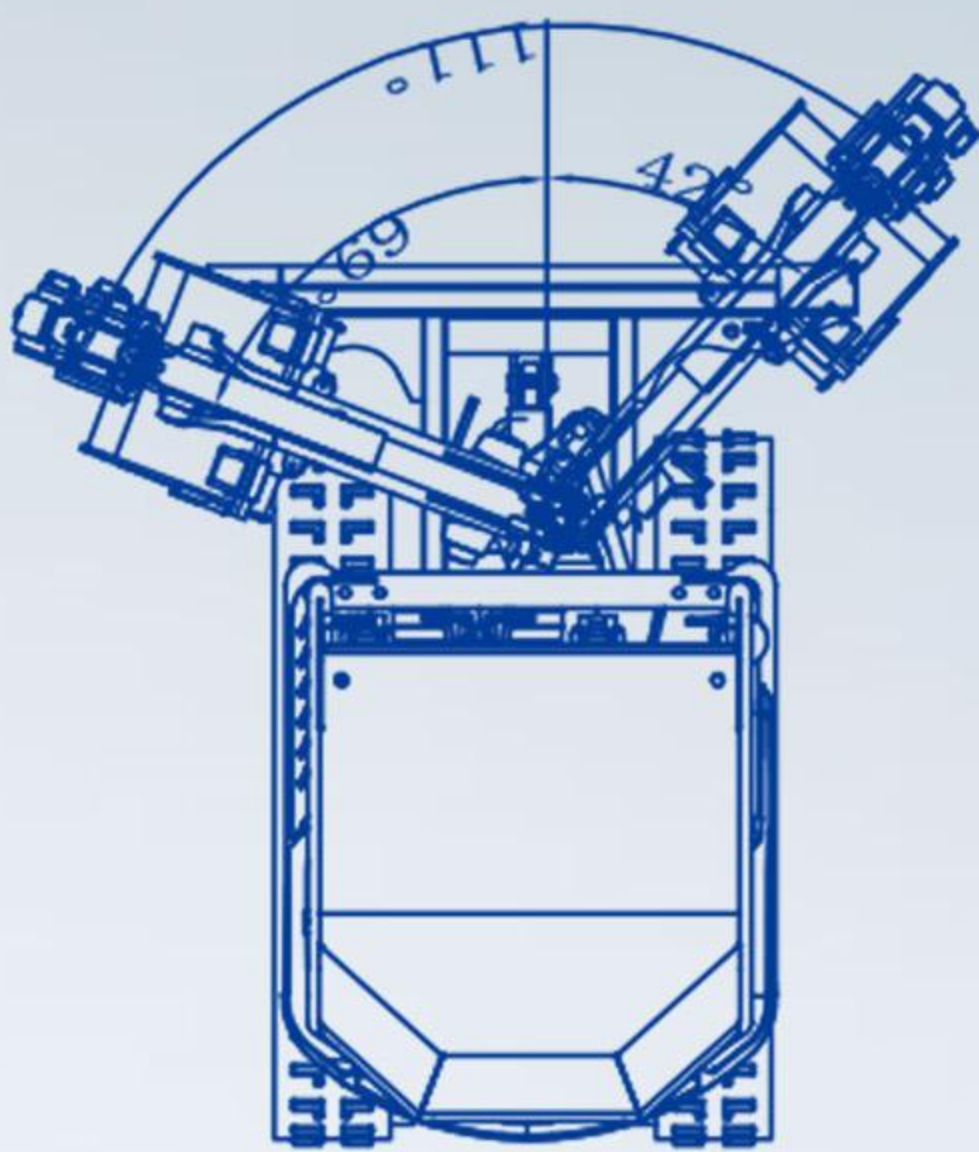
High and low speed travel
motor



Double counterweight



Unit: mm



Basic parameters	Machine working weight	4008lb	1818kg
	Bucket capacity	1.59ft ³	0.045m ³
	Travel speed low/high speed	0-0.93/0-1.74mph	0-1.5/0-2.8Km/h
	Gradeability	30%	30%
	Ground pressure	4.4psi	30.33Kpa
	Maximum digging force	2878lbf	12.8kN
	Maximum digging radius	156.5in	3975mm
	Maximum digging depth	95.3in	2420mm
	Maximum digging height	133.7in	3396mm
	Maximum unloading height	85.9in	2182mm
	Maximum deflection angle	111°	111°
	Track extension range	39-51.2in	990-1300mm
Engine	Engine brand	Kubota	Kubota
	Engine model	D902	D902
	Maximum horsepower	15.8hp	16ps
	Maximum power	11.8kw	11.8kw
	Maximum speed	2300rpm	2300rpm
	Displacement	0.24gal	0.898L
	Number of cylinders	3	3
	Cooling method	Water-cooled	Water-cooled
	Engine oil change amount	1gal	3.8L
	Fuel form	Diesel	Diesel
	Fuel grade	0/-10	0/-10
	Theoretical fuel consumption	1.5-1.8L/h	1.5-1.8L/h

Body	Transport length	94.6in	2403mm
	Transport width	38.9in	989mm
	Transport height	91.4in	2322mm
	Counterweight ground clearance	19.1in	486mm
	Bucket width	15.7in	400mm
	Boom length	44.1in	1120mm
	Arm length	70.1in	1780mm
Hydraulic system	Bulldozer blade width	39/51.1in	990/1300mm
	Maximum set pressure	2611psi	18MPa
	Travel hydraulic motor type	LTM03CDK	LTM03CDK
	Travel motor brand	Likechuan	Likechuan
	Motor displacement	11-20ml/r	11-20ml/r
	Slewing hydraulic motor type	Paiyi 2.5K	Paiyi 2.5K
	Displacement	245ml/r	245ml/r
	Main pump type/model	Variable piston pump/18	
	Main pump brand	Taifeng Hydraulics	
	Main pump maximum flow	10.9GPM	41.4L/min
	Multi-way valve	9-way hydraulic control multi-way valve	
	Multi-way valve brand	Taifeng Hydraulics	Taifeng Hydraulics
	Rated set pressure	2466psi	17MPa

SCENARIO APPLICATION

The RIPPA R18 is a versatile 1.8-ton mini excavator with a ROPS canopy, front guard, and advanced load-sensing multi-way valve with variable displacement pump for efficient hydraulic performance. Featuring two-speed travel and optional double counterweights for extra stability. Perfect for construction, landscaping, utility installation, road maintenance, and agricultural land clearing.

Dealer / Name:

WhatsApp / Phone:

Address:

Email: