

3.3 Technical Data

3.3.1 Drive unit

EK 40 – EK 110

Technical Data	Unit	EK 40	EK 60	EK 100	EK 110
Recommended excavator weight	t	5 – 10	10 – 17	18 – 30	25 – 32
	lb	11000 – 22000	22000 – 37000	40000 – 66000	55000 – 70500
Cutting unit length	mm	1500	1900	1900	1900
	in	59.1	74.8	74.8	74.8
Cutting head width	mm	500	500/600	600/700/800	600/700/800
	in	19.7	19.7/23.6	23.6/27.6/31.5	23.6/27.6/31.5
Cutting head diameter	mm	513	800	800	800
	in	20.2	31.5	31.5	31.5
Drive housing width	mm	380	450	550	550
	in	15.0	17.7	21.7	21.7
Rated power	kW	45	60	100	110
	Hp	60.3	80.4	134.1	147.5
Max. torque at max. operating pressure	Nm	5700	11000	18300	24500
	lbf.ft	4300	8200	13500	18100
Recommended speed	rpm	70	70	70	70
Recommended oil quantity	l/min	70 – 90	130 – 200	180 – 250	240 – 300
	gal/min	19 – 24	34 – 53	48 – 66	63 – 79
Max. oil quantity	l/min	120	220	260	300
	gal/min	32	58	69	79
Max. hydraulic operating pressure	bar	380	380	380	380
	psi	5500	5500	5500	5500
Max. compressive strength (without reinforced concrete)	MPa	30	50	80	80
	psi	4400	7300	11700	11700
Number of picks on cutting heads	pcs	52	60/78	28/44/52	28/44/52
Number of picks on cutting chain	pcs	49	55	54	54
Cutting unit weight	kg	800	1300	2600	2600
	lb	1800	2900	5800	5800