

INDEPENDENT LABORATORY TESTS

Battery-powered lawn mowers

For smaller to medium-sized areas (200-500 sqm)
Cutting width 32-34 cm



Approximate price incl. battery	€	380	420	330	290	420	260	160
Consumer contact		husqvarna.com	makita.com	stihl.com	gardena.com	ryobitools.eu	bosch-diy.com	jula.com

PRODUCT FACTS								
Type of battery		Li-Ion, P4A 18-B72	Li-Ion, BL1860B	Li-Ion AK20	Li-Ion PBA 18V 4.0 Ah W-C	Li-Ion, RB1850X	Li-Ion; PBA 18V 4.0Ah	Li-Ion, PLBP-018A-2P 08 18V
Type of charger		Aspire LC34	LXT DLM330	RMA 235.1	PowerMax 32/18V P4A	RY18LMX33A-150	EasyMower 18V-32-200	GY215004
Battery capacity	Ah	4,0	6,0	4,0	4,0	5,0	4,0	4,0
Cutting height adjustment		4 steps centrally	8 steps centrally	5 steps centrally	4 steps centrally	7 steps centrally	3 steps per wheel axle	3 steps per wheel axle
Cutting height	mm	30-65	20-75	25-60	35-65	25-90	20-60	30-60
Battery level indicator on battery/ on mower		No/Yes	Yes/Yes	Yes/No	No/Yes	Yes/No	No/No	Yes/No

MEASUREMENT VALUES AND RESULTS FROM THE LABORATORY TEST								
Mowing efficiency	m ² /hour	742	637	615	621	679	679	590
Mowing results	1-10	6,6	6,8	7,8	9,0	6,2	6,6	6,4
Comment		Cuts effectively but switches between two power modes which results in an uneven mowing pattern; the walking speed needs to be adjusted.	Poorer collector function. Leaves a lot of spillage (grass).	Cuts less effectively and is not very powerful. Shuts off too quickly in thick grass.	Cuts less efficiently but gives a good mowing result.	Cuts efficiently but leaves many uncut spots on the lawn.	Uneven mowing result.	Cuts less efficiently and uneven mowing result.
Lowest cutting height (measured)	mm	30	21	27	38	34 *	23	32
Mowing capacity per charge	m ²	252	209	226	134	133	134	218
Mowing time per charge	min	20	20	22	13	12	12	22
Battery charging time	hours:min	1:33	0:58	2:51	3:45	02:17 **	1:28	1:47
Easy adjustment of cutting height		Yes	Yes	Yes	Yes	Yes	No	No
Adjustabel steering rod		Yes	Yes	No	Yes	Yes	Yes	No ***
Steering rod sufficiently high/long		Yes	No	Yes	Yes	No	Yes	No
Enough space to walk behind the mower		Yes	Yes	Yes	Yes	Yes	Yes	No
Easy to navigate in narrow spaces		Yes	Yes	Yes	Yes	No	Yes	No
Ergonomic handle		Yes	Yes	Yes	No	No	No	No
Wear after 100 hours running time		Visible wear at the handle attachment, but no damage.	Normal wear, no damage.	Normal wear, no damage.	Normal wear, no damage.	Normal wear, no damage.	Normal wear, no damage.	Normal wear, no damage.
Assembly time	min:sec	2:05	4:00	17:30 ****	6:30	3:15	7:45	7:45

TEST RESULTS GRADE 1 TO 10, WHERE 10 IS BEST (WEIGHT IN TOTAL GRADE WITHIN BRACKETS)								
Mowing efficiency & mowing results	40 %	7,7	7,1	7,7	8,3	6,7	7,1	6,3
Battery capacity & charging	30 %	7,6	8,8	7,6	4,8	6,7	6,5	7,7
Ergonomics & handling	20 %	8,7	7,1	8,5	8,7	6,2	6,0	4,4
Assembly, storage & cleaning	10 %	9,5	8,0	4,5	7,5	8,5	5,0	4,5

TOTAL GRADE		8,1	7,7	7,5	7,3	6,8	6,5	6,1
Comment		Best in test.	Good mowing capacity per charge and charges quickly but leaves clippings on the lawn. Handle is too low.	Good mowing results but does not mow quickly. Good cutting capacity per charge but long charging time. Non-adjustable handle and difficult to assemble.	Very good mowing results but does not mow quickly. Poorer cutting capacity per charge and very long charging time.	Cuts quickly but leaves uncut spots. Poorer cutting capacity per charge and long charging time (sometimes stops charging before full). Difficult to maneuver in narrow spaces. Handle too low.	Cuts quickly but uneven mowing results. Poorer cutting capacity per charge and poor ergonomics. Difficult to adjust the cutting height.	Good cutting capacity per charge but poorer mowing efficiency and uneven results. Poor ergonomics and difficult to handle. Difficult to adjust the cutting height.

*) The lowest cutting height significantly deviates from what is declared.

***) Does not always fully charge the battery. Necessary to check the charge and connect the battery to the charger multiple times..

****) The packaging states that the handle can be adjusted in height, but there is no such option.

*****) Long assembly time due to stiff screws and poor fit of the included tools.