

Obot D100 Preliminary Specifications

Botrics LLC

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Property	Value	Units
Mass	15	kg
Diameter	390	mm
Height	233	mm
Top Speed	2.25	m/s
Minimum Speed	.01	m/s
Payload ¹	10	kg
Wheelbase	317	mm
Encoder Ticks/Revolution	6041.6	ticks
Encoder Resolution	0.056	mm/tick
Turning Radius ²	0	mm
Ground Clearance ³	10	mm
Battery Life - Constant Maximum Acceleration	1.5	hrs
Battery Life - 10% duty cycle	12	hrs
Charging Rate	2	Amp-Hr/hr
Charging time for full charge	3	hrs

1. Maximum recommended payload - note that all payloads affect performance
2. Differential drive system allows robot to turn in place
3. Designed for flat surfaces with occasional lips