

# R-TEC Automation® & Automate®

## Shade Motor Comparison

		R-TEC AUTOMATION® BY ROWLEY® <span style="font-size: 0.8em; border: 1px solid black; border-radius: 50%; padding: 2px;">NEW</span>			AUTOMATE® BY ROLLESE ACMEDA								
		25 mm Short Li-ion Battery RTA25L2C1WA	25 mm Li-ion Battery RTA25L3C1WA	28 mm Li-ion Battery RTA28L3C1WA	25 mm Short Li-ion Battery MT01-1325-069028	25 mm Li-ion Battery MT01-1325-069029	28 mm Li-ion Battery MT01-1328-069008	35 mm Li-ion Battery MT01-1335-069001	25 mm DC MT01-1225-069002	28 mm DC MT01-1228-069002	35 mm DC MTDCRF35-3	25 mm Basics Li-ion Battery MT01-1325-069026	
MOTOR SPECS & FEATURES	Power Source	Li-ion 2-cell	Li-ion 3-cell	Li-ion 3-cell	Li-ion 5V-DC	Li-ion 5V-DC	Li-ion 5V-DC	Li-ion 5V-DC	12V-DC	12V-DC	12V-DC	Li-ion 5V-DC	
	Motor Diameter	25 mm	25 mm	28 mm	25 mm	25 mm	28 mm	35 mm	25 mm	28 mm	35 mm	25 mm	
	Overall Length	459 mm	569 mm	602 mm	479 mm	552 mm	649 mm	851 mm	342 mm	487 mm	459 mm	453.4 mm	
	Head Diameter	47 mm	47 mm	47 mm	47 mm	47 mm	47 mm	47 mm	47 mm	47 mm	47 mm	47.5 mm	
	Head Thickness	8 mm	8 mm	8 mm	7 mm	7 mm	7 mm	9 mm	7 mm	7 mm	9 mm	7.5 mm	
	Motor Weight	465 g	600 g	800 g	422 g	486 g	931 g	1442 g	293 g	676 g	789 g	376 g	
	Compatible Roller Tube Size	1 1/4" & 1 1/2"	1 1/4" & 1 1/2"	1 1/2" & 2"	1 1/4" & 1 1/2"	1 1/4" & 1 1/2"	1 1/2" & 2"	2"	1 1/4" & 1 1/2"	1 1/2" & 2"	2"	1 1/4" & 1 1/2"	
	Bracket Type	Skyline	Skyline	Skyline	Skyline	Skyline	Skyline	Skyline	Skyline	Skyline	Skyline	Skyline	Skyline
	Antenna Type	Internal COB	Internal COB	Internal COB	External	External	External	External	External	External	External	External	External
	Physical Button	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Charge Port Type	USB-C	USB-C	USB-C	Micro USB	Micro USB	Micro USB	Micro USB	N/A	N/A	N/A	Micro USB	
	Pairing/Functionality Feedback (sound, light, jog)	All	All	All	All	All	All	All	All	All	All	All	All
	Voltage	5V	5V	5V	5V-DC	5V-DC	5V-DC	5V-DC	12V-DC	12V-DC	12V-DC	12V-DC	5V-DC
	Torque	1.1 Nm	2.0 Nm	2.0 Nm	0.7 Nm	1.1 Nm	2.0 Nm	3.0 Nm	1.1 Nm	2.0 Nm	3.0 Nm	3.0 Nm	1.1 Nm
	Max Run Time	6 min	6 min	6 min	12 min	12 min	12 min	12 min	6 min	10 min	12 min	12 min	12 min
	Speed / Adjustable	20/25/30 rpm	20/24/28 rpm	20/24/28 rpm	20/24/28 rpm	20/24/28 rpm	20/24/28 rpm	20/24/28 rpm	20/24/28 rpm	20/24/28 rpm	20/24/28 rpm	28/20/24 rpm	28/20/24 rpm
	Radio Frequency	433.92 MHz	433.92 MHz	433.92 MHz	433.92 MHz	433.92 MHz	433.92 MHz	433.92 MHz	433.92 MHz	433.92 MHz	433.92 MHz	433.92 MHz	N/A
	RF Modulation	N/A	N/A	N/A	FSK	FSK	FSK	FSK	FSK	FSK	FSK	FSK	N/A
	IP Rating	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP44	IP20	IP20	IP44	IP20
	Temp Working Range	14° - 131° F	14° - 131° F	14° - 131° F	32° - 140° F	32° - 140° F	32° - 140° F	32° - 140° F	32° - 140° F	32° - 140° F	32° - 140° F	32° - 140° F	32° - 140° F
	Insulation Class	N/A	N/A	N/A	III	III	III	III	III	III	III	III	III
	Limit Switch Type	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
	Current	1.0 A	1.6 A	1.6 A	0.73 A	0.83 A	1.25 A	2.2 A	0.83 A	1.16 A	2.2 A	0.80 A	
	Battery Size/Type	2 Cell	3 Cell	3 Cell	2600 mAH	2600 mAH	2600 mAH	5100 mAH	External Battery Pack or Tube; N/A: Power Supply or Distributor	External Battery Pack; N/A: Power Supply or Distributor	N/A: Power Supply or Distributor	2600 mAH	
	Sound Level	32 dBA	32 dBA	32 dBA	35 dB	38 dB	40 dB	40 dB	36 dB	31 dB	53 dB	56 dB	
Power	9.6 W	18 W	18 W	6 W	10 W	15 W	N/A	10 W	13 W	26 W	9.6 W		
Maximum Load	15.5 lbs.	23.5 lbs.	23.5 lbs.	10.5 lbs.	15.5 lbs.	23.5 lbs.	26.5 lbs.	15.5 lbs.	23.5 lbs.	26.5 lbs.	15.5 lbs.		
Soft Stop	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No		
Battery Check (shade level)	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No		
Accessories (deco motor head cover, sun sensor)	No	No	No	All	All	All	All	All	All	All	No		
Charging Options	Standard or Magnetic USB-C	Standard or Magnetic USB-C	Standard or Magnetic USB-C	Standard or Magnetic Micro USB, Solar Panel	Standard or Magnetic Micro USB, Solar Panel	Standard or Magnetic Micro USB, Solar Panel	Standard or Magnetic Micro USB, Solar Panel	External Battery Pack or Tube, Power Supply or Distributor, Solar Panel	External Battery Pack, Power Supply or Distributor, Solar Panel	Power Supply or Distributor	Standard or Magnetic USB-C		
Radio Communication Technology	1-way RF	1-way RF	1-way RF	2-way RF	2-way RF	2-way RF	2-way RF	2-way RF	2-way RF	2-way RF	2-way RF	1-way RF	
Hub/Bridge & App	Bond Bridge Pro & Bond Home App	Bond Bridge Pro & Bond Home App	Bond Bridge Pro & Bond Home App	Bond Bridge Pro & Bond Home App or Automate® Pulse 2 Hub & App	Bond Bridge Pro & Bond Home App or Automate® Pulse 2 Hub & App	Bond Bridge Pro & Bond Home App or Automate® Pulse 2 Hub & App	Bond Bridge Pro & Bond Home App or Automate® Pulse 2 Hub & App	Bond Bridge Pro & Bond Home App or Automate® Pulse 2 Hub & App	Bond Bridge Pro & Bond Home App or Automate® Pulse 2 Hub & App	Bond Bridge Pro & Bond Home App or Automate® Pulse 2 Hub & App	Bond Bridge Pro & Bond Home App or Automate® Pulse 2 Hub & App	Bond Bridge Pro & Bond Home App	