

Irismo wirefree 45		Range	Irismo Wirefree 45/45S RTS EU	
		Part no.	1002353, 1002354	
		Technology	RTS	
Motor mechanical characteristics	Nominal torque	Nm	0.8	
	Maximum stall torque	Nm	0.9	
	No load speed	rpm	140 / 122.5 / 105 / 87.5 (1) (factory default)	
	Nominal speed	rpm	87.5 (2)	
	Working temperature	°C (°F)	0°C to +60°C 85%HR at 35°C (+32°F to +140°F 85%HR at 95°F)	
	Storage temperature	°C (°F)	-30°C to +80°C 85%HR at 35°C (-22°F to +176°F 85%HR at 95°F)	
	Storage temperature (Battery pack)< 3 months	°C	0 - 35	
	Storage temperature (Battery pack)> 3 months	°C	15 - 25	
	Manual operation		YES	
	Type of limit		Adjustable limits	
	Limit switch accuracy	mm	±10	
	Protection index	IP	30	
	Soft stop		YES	
	Soft start		YES	
	Electrical characteristics	Noise level (Power) ⁽³⁾	dB(A)	45 / 43 / 41 / 39 (1)
Noise level (Pressure) ⁽³⁾		dB(A)	44 / 41 / 38 / 35 (1)	
Currenty (Sleep mode)		mA	<0.2mA	
Currenty (wakeup mode)		mA	3-5mA	
Approx. Net weight of the motor		g	883	
Voltage range		Vac	100-240	
Frequency range		Hz	50/60	
Stand by power		W	< 0.006	
Power adapter Current		A	1.8	
Power adapter Voltage		Vdc	30	
Battery pack capacity		mAh	2950	
Charging temperature		°C	0 - 40	
Charge time		hour	< 4	
Power cable type			NA	
Power cable number of wire			NA	
Power cable wire section (Ø)		mm ²	AC cable: 0.5, DC cable: 20AWG	
Control connector			NA	
Control method			RTS remote control	
Dry contact minimum closure time		ms	NA	
Voltage in control line (supplied by the motor)		V	NA	
Maximum voltage drop in DCT control line		V	NA	
Insulation class			Class I	
Maximum running time in one direction ⁽⁴⁾			2min 30s	
Radio Characteristics		Radio standards		EN 301 489-3, EN 300 220-3, EN 60 730-1
		Radio protocol		Somfy RTS protocol U80
	Radio frequency	MHz	433,42 ± 0,1	
	Receiver sensitivity	dBm	-103	
	Modulation type		ASK type A1 (amplitude modulation)	
	Radio range	m	200 m in free field	
	Antenna		Integrated	
	Rolling code		16 million codes	
	Number of RTS transmitter		12 maximum	
	Standards & Patents	Certifications		CE, SASO, (UL tbc)
Patents			Patents pending	

⁽¹⁾ Values given at different speed regulation settings (20 / 17,5 / 15 / 12,5 cm/s)

⁽²⁾ Maximum speed at nominal torque

⁽³⁾ Indicative and according to SOMFY measurement standards

⁽⁴⁾ Repeatedly operating the motor for extended periods may trigger thermal protection, which will require time to lower to room