



ESC Specifications

Discontinued Models

OTHER SPEC TABLES FOR CURRENT MODELS:

[Sport Forward ESCs](#)

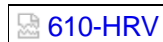
[Racing ESCs](#)

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**RACING MODELS
(DISCONTINUED)**

SPECS/FEATURES	CYCLONE C2	CYCLONE TC2	CYCLONE	CYCLONE TC	ATOM	
Part Number	#1775	#1777	#1765	#1767	#1770	#
List Price	\$249	\$249	\$240	\$240	\$209	d
Input Voltage (cells)	4-7	4-7	4-7	4-7	4-6	4
Case Size (in)	1.69 x 1.11 x 0.76	1.69 x 1.11 x 0.76	1.73 x 1.10 x 0.79	1.73 x 1.10 x 0.79	1.23 x 1.16 x 0.69	2 0
Case Size (cm)	4.30 x 2.82 x 1.93	4.30 x 2.82 x 1.93	4.39 x 2.79 x 2.0	4.39 x 2.79 x 2.0	3.12 x 2.95 x 1.75	5 1
Weight (ounces/grams)	1.33 / 37.70	1.33 / 37.70	1.42 / 40.26	1.42 / 40.26	1.00 / 28.4	2
On-Resistance* (ohms)	0.00049	0.00049	0.00058	0.00058	0.0013	0
Motor Limit	No Limit	No Limit	No Limit	No Limit	No Limit	N
One-Touch Set-Up	Yes: Set-up parameters and profile selection	Yes: Set-up parameters and profile selection	Yes: Set-up parameters and profile selection	Yes: Set-up parameters and profile selection	Yes: Set-up parameters and profile selection	Y p
# Profiles	3 Preset, 1 Custom Programmable	3 Preset, 1 Custom Programmable	3 Preset, 1 Custom Programmable	3 Preset, 1 Custom Programmable	3 Preset, 1 Custom Programmable	1
Programmable	Yes: 10 ESC parameters can be programmed via optional Pit Wizard or ESC Profile Software	Yes: 10 ESC parameters can be programmed via optional Pit Wizard or ESC Profile Software	Yes: 10 ESC parameters can be programmed via optional Pit Wizard or ESC Profile Software	Yes: 10 ESC parameters can be programmed via optional Pit Wizard or ESC Profile Software	Yes: 10 ESC parameters can be programmed via optional Pit Wizard or ESC Profile Software	N
Drive Frequency (Hz)	15,600 (Profile 1); 5,860 (Profile 2); 7,800 (Profile 3). <i>Adjustable from 122 to 23,400 with optional Pit Wizard or ESC Profile Software.</i>	15,600 (Profile 1); 11,700 (Profile 2); 7,800 (Profile 3). <i>Adjustable from 122 to 23,400 with optional Pit Wizard or ESC Profile Software.</i>	5,860 (Profile 1); 7,800 (Profile 2); 15,600 (Profile 3). <i>Adjustable from 122 to 23,400 with optional Pit Wizard or ESC Profile Software.</i>	15,600 (Profile 1); 11,700 (Profile 2); 7,800 (Profile 3). <i>Adjustable from 122 to 23,400 with optional Pit Wizard or ESC Profile Software.</i>	5,860 (Profile 1); 7,860 (Profile 2); 15,600 (Profile 3). <i>Adjustable from 122 to 23,400 with optional Pit Wizard or ESC Profile Software.</i>	2
Brake Frequency (Hz)	3,900 (Profiles 1 & 2); 5,860 (Profile 3). <i>Adjustable from 122 to 23,400 with optional Pit Wizard or ESC Profile</i>	3,900 (Profiles 1); 5,860 (Profile 2); 11,700 (Profile 3). <i>Adjustable from 122 to 23,400 with optional Pit</i>	3,900 (Profiles 1 & 3); 5,860 (Profile 2). <i>Adjustable from 122 to 23,400 with optional Pit Wizard or ESC Profile</i>	3,900 (Profile 1); 5,860 (Profile 2); 7,800 (Profile 3). <i>Adjustable from 122 to 23,400 with optional Pit</i>	3,900 (Profiles 1 & 3); 5,860 (Profile 2). <i>Adjustable from 122 to 23,400 with optional Pit Wizard or ESC Profile</i>	2

	Software	Wizard or ESC Profile Software.	Software.	Wizard or ESC Profile Software.	Software.	
Discrete Steps	512: 256 Forward, 256 Brake	512: 256 Forward, 256 Brake	512: 256 Forward, 256 Brake	512: 256 Forward, 256 Brake	512: 256 Forward, 256 Brake	6 3
Rated Current* (Amps)	480	480	480	480	240	4
Braking Current* (Amps)	160	160	160	160	80	1
B.E.C. (volts / amps)	6.0 / 3.0	6.0 / 3.0	6.0 / 3.0	6.0 / 3.0	6.0 / 3.0	6
Solder Posts	Yes	Yes	Yes	Yes	Yes	N
Wire Size (gauge)	Super-Flex	Super-Flex	Super-Flex	Super-Flex	14	S
Polar Drive Circuitry	Yes	Yes	Yes	Yes	Yes	Y
Radio Priority Circuitry	Yes	Yes	Yes	Yes	Yes	Y
Digital Anti-Glitch Circuitry	Yes	Yes	Yes	Yes	Yes	Y
Reverse Voltage Protection	No	No	No	No	No	N
Thermal Protection	No	No	No	No	No	N
Heat Sinks	Optional	Optional	Optional	Optional	Included	C
Internal Schottky Diode	Yes	Yes	Yes	Yes	No	Y
External Schottky Diode	Included	Included	Included	Included	Included	Ir
Brake Light Circuitry	No	No	No	No	No	Y
Brake Light Kit	N/A	N/A	N/A	N/A	N/A	N
RACING MODELS	CYCLONE C2	CYCLONE TC2	CYCLONE	CYCLONE TC	ATOM	1

REVERSIBLE MODELS (DISCONTINUED)

SPEC / FEATURE	REACTOR	610-HRV
Part Number	#1810	#1800
List Price	\$173.00	discontinued
Input Voltage (cells)	6-7	6-10
Case Size (in)	1.63 x 1.42 x 0.69	1.63 x 1.42 x 0.69
Case Size (cm)	4.14 x 3.61 x 1.75	4.14 x 3.61 x 1.75
Weight (ounces/grams)	1.81 / 51.3	1.81 / 51.3
On-Resistance* (ohms)	0.0040	0.0065
Motor Limit	12 turns (at 6 cells)	12 turns (at 6 cells)
One-Touch Set-Up	Yes	No
Drive Frequency (Hz)	1000	2500
Brake Frequency (Hz)	1000	2500
Discrete Steps	512: 256 Forward, 256	128: 64 Forward, 64 Reverse

	Reverse	
Rated Fwd. Current* (Amps)	160	120
Rated Rev. Current* (Amps)	80	60
Braking Current* (Amps)	80	60
B.E.C. (volts / amps)	5.0 / 0.5	5.0 / 0.5
Wire Size (gauge)	16	16
Polar Drive Circuitry	Yes	No
Radio Priority Circuitry	Yes	No
Digital Anti-Glitch Circuitry	Yes	No
Reverse Voltage Protection	No	No
Thermal Protection	Yes	Yes
Reverse Disable	Yes	No
Smart Braking Circuitry	Yes	No
Heat Sinks	Included	Included
Brake Light Circuitry	No	No
Brake Light Kit	N/A	N/A
Battery Plug Installed	Tamiya	Tamiya
Motor Plug Installed	Bullet-Style	Bullet-Style
REVERSIBLE MODELS	REACTOR	610-HRV

SPORT FORWARD MODELS (DISCONTINUED)



SPEC / FEATURE	DUSTER II	DUSTER	ELEKTRA	EXPLORER	ARROW
Part Number	#1960	#1950	#1930	#1900	#1300
List Price	discontinued	discontinued	\$---	discontinued	discontinued
Input Voltage (cells)	4 to 10	4 to 10	7.2	6 & 7	6 to 8
Case Size (in)	1.93 x 1.36 x 0.71	1.65 x 1.70 x 0.62	1.75 x 1.36 x 0.73	1.98 x 1.42 x 0.70	1.13 x 2.53 x 0.60
Case Size (cm)	4.90 x 3.45 x 1.80	4.19 x 4.32 x 1.57	4.44 x 3.45 x 1.85	5.03 x 3.61 x 1.78	2.87 x 6.43 x 1.52
Weight (ounces/grams)	1.96 / 55.6	1.97 / 55.8	1.71/48.48	1.87 / 53.0	1.85 / 52.4
On-Resistance* (ohms)	0.0023	0.0030	0.0055	0.0050	0.0050
Transistor Type	HYPERFET II	MEGAFET	MEGAFET	MEGAFET	MEGAFET
Motor Limit	12 turns (at 6 cells)	14 turns (at 6 cells)	15 turns (at 6 cells)	15 turns (at 6 cells)	14 turns (at 6 cells)
One-Touch Set-Up	Yes	Yes	Yes	No (Uses Neutral & Hi-Speed Adj. Pots)	Yes
#Profiles	1	1	1	1	1
Drive Frequency (Hz)	2500	2500	1000	2500	2500

Brake Frequency (Hz)	2500	2500	1000	2500	2500
Discrete Steps	64: 32 Forward, 32 Brake	64: 32 Forward, 32 Brake	256: 128 Forward, 128 Brake	128: 64 Forward, 64 Brake	64: 32 Forward, 32 Brake
Rated Current* (Amps)	210	250	150	150	150
Braking Current* (Amps)	50	50	50	50	N/A
B.E.C. (volts / amps)	5.7 / 0.5	5.7 / 0.5	5.0 / 0.5	5.0 / 0.5	5.25 / 3.0
Wire Size (gauge)	16	16	16	16	16
Polar Drive Circuitry	Yes	No	Yes	Yes	No
Radio Priority Circuitry	Yes	Yes	Yes	No	Yes
Digital Anti-Glitch Circuitry	Yes	Yes	Yes	No	Yes
Reverse Voltage Protection	Yes: Solid State	Yes: Solid State	Yes: Solid State	Yes: Solid State	Yes: Solid State
Thermal Protection	Yes: Dual-Level	Yes: Dual-Level	Yes	Yes	Yes: Dual-Level
Heat Sinks	Included	Included	Included	Included	Included
Internal Schottky Diode	Yes	Yes	Yes	Yes	Yes
External Schottky Diode	Optional	Optional	Optional	Optional	Optional
Brake Light Circuitry	Yes	No	No	Yes	N/A
Brake Light Kit	No**	N/A	N/A	No**	N/A
Smart Arming	N/A	N/A	N/A	N/A	Yes
Battery Plug Installed	Tamiya	Tamiya	Tamiya	Tamiya	Tamiya
Motor Plug Installed	Bullet-Style	Bullet-Style	Bullet-Style	Bullet-Style	Bullet-Style
SPORT FORWARD MODELS	DUSTER II	DUSTER	ELEKTRA	EXPLORER	ARROW

*Transistor's rating at 25 degrees Celsius junction temperature

**No longer available