

# KDE DIRECT XF GENERATION 3 SERIES BRUSHLESS MOTORS

## GEARING RECOMMENDATIONS

The new KDE Direct XF Generation 3 Series High-Performance Brushless Motors are designed to push the boundaries of technology and bring a whole new level of flight performance to the world of single-rotor and UAS applications. In this regard, choosing the appropriate gearing to reach optimal boundaries of flight performance is critical for proper operation, maximum efficiency, and ideal running temperatures.

The gearing details listed in this document are recommendations provided by dynamometer and in-flight testing with KDE Direct Electronic Speed Controllers (ESCs). The XF Gen3 Series of Brushless Motors have been optimized to run smoothly and efficiently with the latest ESC technology, providing the ability to be governed to power-levels and near-flawless control never before achieved. In addition to this document, full specifications and technical details can be found on the KDE Direct website for continuous power and current limitations, dimensional geometry, and other critical information.

All of the gearing recommendations listed in this document utilize the governor-mode algorithm of the flight-controller or flybarless control unit; ideal for single-rotor flight operation and consistent headspeed control (especially optimal for UAS applications). Please familiarize yourself with the proper installation, operation, and programming of such devices before attempting to power the system and achieve flight. KDE Direct is not responsible for the use of such products, or any damage or injuries caused as a result of its usage. It is the responsibility of the owner to operate all models in a safe manner and KDE Direct assumes no liability for the use of these products and recommendations.

### KDE DIRECT 700XF-295-G3 HP BRUSHLESS MOTOR

16S VOLTAGE (59.2V Nominal)	GOVERNOR RPM	MAXIMUM RPM	14S VOLTAGE (51.8V Nominal)	GOVERNOR RPM	MAXIMUM RPM	12S VOLTAGE (44.4V Nominal)	GOVERNOR RPM	MAXIMUM RPM
Gearing Ratio = 11.5	1350	1600	Gearing Ratio = 10.5	1250	1500	Gearing Ratio = 10	1150	1350
Gearing Ratio = 11	1400	1650	Gearing Ratio = 10	1300	1600	Gearing Ratio = 9.5	1200	1450
Gearing Ratio = 10.5	1500	1750	Gearing Ratio = 9.5	1400	1650	Gearing Ratio = 9	1250	1500
Gearing Ratio = 10	1550	1800	Gearing Ratio = 9	1450	1750	Gearing Ratio = 8.5	1350	1600
Gearing Ratio = 9.5	1650	1900	Gearing Ratio = 8.5	1550	1850	Gearing Ratio = 8	1400	1700
Gearing Ratio = 9	1750	2000	Gearing Ratio = 8	1650	2000	Gearing Ratio = 7.5	1500	1800
Gearing Ratio = 8.5	1850	2150	Gearing Ratio = 7.5	1750	2100	Gearing Ratio = 7	1600	1950
Gearing Ratio = 8	1950	2250	Gearing Ratio = 7	1900	2250	Gearing Ratio = 6.5	1750	2100

### KDE DIRECT 700XF-395 HP BRUSHLESS MOTOR

16S VOLTAGE (59.2V Nominal)	GOVERNOR RPM	MAXIMUM RPM	14S VOLTAGE (51.8V Nominal)	GOVERNOR RPM	MAXIMUM RPM	12S VOLTAGE (44.4V Nominal)	GOVERNOR RPM	MAXIMUM RPM
Gearing Ratio = 13.5	1550	1800	Gearing Ratio = 12	1500	1750	Gearing Ratio = 11.5	1300	1600
Gearing Ratio = 13	1600	1850	Gearing Ratio = 11.5	1550	1850	Gearing Ratio = 11	1400	1650
Gearing Ratio = 12.5	1650	1950	Gearing Ratio = 11	1600	1950	Gearing Ratio = 10.5	1450	1750
Gearing Ratio = 12	1750	2050	Gearing Ratio = 10.5	1700	2050	Gearing Ratio = 10	1500	1800
Gearing Ratio = 11.5	1800	2100	Gearing Ratio = 10	1750	2150	Gearing Ratio = 9.5	1600	1900
Gearing Ratio = 11	1900	2200	Gearing Ratio = 9.5	1850	2250	Gearing Ratio = 9	1700	2050
Gearing Ratio = 10.5	2000	2300	Gearing Ratio = 9	1950	2350	Gearing Ratio = 8.5	1800	2150
Gearing Ratio = 10	2100	2450	Gearing Ratio = 8.5	2100	2500	Gearing Ratio = 8	1900	2300

### KDE DIRECT 700XF-455-G3 HP BRUSHLESS MOTOR

14S VOLTAGE (51.8V Nominal)	GOVERNOR RPM	MAXIMUM RPM	12S VOLTAGE (44.4V Nominal)	GOVERNOR RPM	MAXIMUM RPM	10S VOLTAGE (37.0V Nominal)	GOVERNOR RPM	MAXIMUM RPM
Gearing Ratio = 12.5	1700	1950	Gearing Ratio = 11	1600	1900	Gearing Ratio = 10.5	1400	1650
Gearing Ratio = 12	1750	2050	Gearing Ratio = 10.5	1650	2000	Gearing Ratio = 10	1450	1750
Gearing Ratio = 11.5	1800	2150	Gearing Ratio = 10	1750	2100	Gearing Ratio = 9.5	1550	1850
Gearing Ratio = 11	1900	2250	Gearing Ratio = 9.5	1850	2200	Gearing Ratio = 9	1600	1950
Gearing Ratio = 10.5	2000	2350	Gearing Ratio = 9	1950	2350	Gearing Ratio = 8.5	1700	2050
Gearing Ratio = 10	2100	2450	Gearing Ratio = 8.5	2050	2450	Gearing Ratio = 8	1800	2200
Gearing Ratio = 9.5	2200	2600	Gearing Ratio = 8	2200	2650	Gearing Ratio = 7.5	1950	2350
Gearing Ratio = 9	2350	2700	Gearing Ratio = 7.5	2350	2800	Gearing Ratio = 7	2100	2500

**MAXIMUM RPM** Maximum hover RPM (100% Throttle)

**GOVERNOR RPM** Recommended RPM for ESC governor control

*For Safety Reasons, do not exceed 2200 RPM for 700 through 800-Class R/C Helicopter:*



### KDE DIRECT 700XF-495 HP BRUSHLESS MOTOR

14S VOLTAGE (51.8V Nominal)	GOVERNOR RPM	MAXIMUM RPM	12S VOLTAGE (44.4V Nominal)	GOVERNOR RPM	MAXIMUM RPM	10S VOLTAGE (37.0V Nominal)	GOVERNOR RPM	MAXIMUM RPM
Gearing Ratio = 13.5	1700	2000	Gearing Ratio = 12	1600	1900	Gearing Ratio = 11	1450	1750
Gearing Ratio = 13	1750	2050	Gearing Ratio = 11.5	1650	2000	Gearing Ratio = 10.5	1500	1800
Gearing Ratio = 12.5	1800	2150	Gearing Ratio = 11	1750	2100	Gearing Ratio = 10	1600	1900
Gearing Ratio = 12	1900	2200	Gearing Ratio = 10.5	1800	2200	Gearing Ratio = 9.5	1650	2000
Gearing Ratio = 11.5	2000	2300	Gearing Ratio = 10	1900	2300	Gearing Ratio = 9	1750	2100
Gearing Ratio = 11	2050	2450	Gearing Ratio = 9.5	2000	2400	Gearing Ratio = 8.5	1850	2250
Gearing Ratio = 10.5	2150	2550	Gearing Ratio = 9	2100	2550	Gearing Ratio = 8	2000	2400
Gearing Ratio = 10	2300	2650	Gearing Ratio = 8.5	2250	2700	Gearing Ratio = 7.5	2100	2550

### KDE DIRECT 700XF-505-G3 HP BRUSHLESS MOTOR

14S VOLTAGE (51.8V Nominal)	GOVERNOR RPM	MAXIMUM RPM	12S VOLTAGE (44.4V Nominal)	GOVERNOR RPM	MAXIMUM RPM	10S VOLTAGE (37.0V Nominal)	GOVERNOR RPM	MAXIMUM RPM
Gearing Ratio = 13.5	1700	2000	Gearing Ratio = 12	1600	1950	Gearing Ratio = 11	1450	1750
Gearing Ratio = 13	1800	2100	Gearing Ratio = 11.5	1700	2050	Gearing Ratio = 10.5	1550	1850
Gearing Ratio = 12.5	1850	2200	Gearing Ratio = 11	1750	2100	Gearing Ratio = 10	1600	1950
Gearing Ratio = 12	1950	2250	Gearing Ratio = 10.5	1850	2200	Gearing Ratio = 9.5	1700	2050
Gearing Ratio = 11.5	2000	2350	Gearing Ratio = 10	1950	2350	Gearing Ratio = 9	1800	2150
Gearing Ratio = 11	2100	2450	Gearing Ratio = 9.5	2050	2450	Gearing Ratio = 8.5	1900	2300
Gearing Ratio = 10.5	2200	2600	Gearing Ratio = 9	2150	2600	Gearing Ratio = 8	2000	2450
Gearing Ratio = 10	2350	2700	Gearing Ratio = 8.5	2300	2750	Gearing Ratio = 7.5	2150	2600

### KDE DIRECT 700XF-535-G3 HP BRUSHLESS MOTOR

14S VOLTAGE (51.8V Nominal)	GOVERNOR RPM	MAXIMUM RPM	12S VOLTAGE (44.4V Nominal)	GOVERNOR RPM	MAXIMUM RPM	10S VOLTAGE (37.0V Nominal)	GOVERNOR RPM	MAXIMUM RPM
Gearing Ratio = 14	1750	2050	Gearing Ratio = 12	1700	2050	Gearing Ratio = 11.5	1500	1800
Gearing Ratio = 13.5	1850	2150	Gearing Ratio = 11.5	1800	2150	Gearing Ratio = 11	1550	1850
Gearing Ratio = 13	1900	2200	Gearing Ratio = 11	1850	2250	Gearing Ratio = 10.5	1650	1950
Gearing Ratio = 12.5	1950	2300	Gearing Ratio = 10.5	1950	2350	Gearing Ratio = 10	1700	2050
Gearing Ratio = 12	2050	2400	Gearing Ratio = 10	2050	2450	Gearing Ratio = 9.5	1800	2150
Gearing Ratio = 11.5	2150	2500	Gearing Ratio = 9.5	2150	2600	Gearing Ratio = 9	1900	2300
Gearing Ratio = 11	2250	2600	Gearing Ratio = 9	2300	2750	Gearing Ratio = 8.5	2000	2400
Gearing Ratio = 10.5	2350	2750	Gearing Ratio = 8.5	2400	2900	Gearing Ratio = 8	2150	2550

**MAXIMUM RPM** Maximum hover RPM (100% Throttle)

**GOVERNOR RPM** Recommended RPM for ESC governor control

*For Safety Reasons, do not exceed 2200 RPM for 700 through 800-Class R/C Helicopters*



### KDE DIRECT 600XF-530-G3 HP BRUSHLESS MOTOR

12S VOLTAGE (44.4V Nominal)	GOVERNOR RPM	MAXIMUM RPM	10S VOLTAGE (37.0V Nominal)	GOVERNOR RPM	MAXIMUM RPM	8S VOLTAGE (29.6V Nominal)	GOVERNOR RPM	MAXIMUM RPM
Gearing Ratio = 11	1850	2250	Gearing Ratio = 10	1700	2050	Gearing Ratio = 9	1500	1800
Gearing Ratio = 10.5	1950	2350	Gearing Ratio = 9.5	1800	2150	Gearing Ratio = 8.5	1600	1900
Gearing Ratio = 10	2050	2450	Gearing Ratio = 9	1900	2250	Gearing Ratio = 8	1700	2050
Gearing Ratio = 9.5	2150	2600	Gearing Ratio = 8.5	2000	2400	Gearing Ratio = 7.5	1800	2200
Gearing Ratio = 9	2250	2700	Gearing Ratio = 8	2100	2550	Gearing Ratio = 7	1950	2350
Gearing Ratio = 8.5	2400	2900	Gearing Ratio = 7.5	2250	2700	Gearing Ratio = 6.5	2100	2500
Gearing Ratio = 8	2550	3050	Gearing Ratio = 7	2450	2900	Gearing Ratio = 6	2250	2700
Gearing Ratio = 7.5	2700	3250	Gearing Ratio = 6.5	2600	3150	Gearing Ratio = 5.5	2450	2950

### KDE DIRECT 600XF-1100-G3 HP BRUSHLESS MOTOR

8S VOLTAGE (29.6V Nominal)	GOVERNOR RPM	MAXIMUM RPM	7S VOLTAGE (25.9V Nominal)	GOVERNOR RPM	MAXIMUM RPM	6S VOLTAGE (22.2V Nominal)	GOVERNOR RPM	MAXIMUM RPM
Gearing Ratio = 14.5	2000	2350	Gearing Ratio = 13	1950	2300	Gearing Ratio = 12	1750	2100
Gearing Ratio = 14	2050	2400	Gearing Ratio = 12.5	2050	2350	Gearing Ratio = 11.5	1850	2200
Gearing Ratio = 13.5	2150	2500	Gearing Ratio = 12	2100	2450	Gearing Ratio = 11	1900	2300
Gearing Ratio = 13	2250	2600	Gearing Ratio = 11.5	2200	2600	Gearing Ratio = 10.5	2000	2400
Gearing Ratio = 12.5	2300	2700	Gearing Ratio = 11	2300	2700	Gearing Ratio = 10	2100	2550
Gearing Ratio = 12	2400	2800	Gearing Ratio = 10.5	2400	2800	Gearing Ratio = 9.5	2250	2650
Gearing Ratio = 11.5	2500	2950	Gearing Ratio = 10	2550	2950	Gearing Ratio = 9	2350	2800
Gearing Ratio = 11	2650	3100	Gearing Ratio = 9.5	2650	3100	Gearing Ratio = 8.5	2500	3000

### KDE DIRECT 550XF-565-G3 HP BRUSHLESS MOTOR

12S VOLTAGE (44.4V Nominal)	GOVERNOR RPM	MAXIMUM RPM	10S VOLTAGE (37.0V Nominal)	GOVERNOR RPM	MAXIMUM RPM	8S VOLTAGE (29.6V Nominal)	GOVERNOR RPM	MAXIMUM RPM
Gearing Ratio = 11.5	1900	2250	Gearing Ratio = 10.5	1700	2050	Gearing Ratio = 9.5	1500	1850
Gearing Ratio = 11	2000	2350	Gearing Ratio = 10	1800	2200	Gearing Ratio = 9	1600	1950
Gearing Ratio = 10.5	2050	2500	Gearing Ratio = 9.5	1900	2300	Gearing Ratio = 8.5	1700	2050
Gearing Ratio = 10	2150	2600	Gearing Ratio = 9	2000	2400	Gearing Ratio = 8	1800	2200
Gearing Ratio = 9.5	2300	2750	Gearing Ratio = 8.5	2150	2550	Gearing Ratio = 7.5	1950	2300
Gearing Ratio = 9	2400	2900	Gearing Ratio = 8	2250	2700	Gearing Ratio = 7	2050	2500
Gearing Ratio = 8.5	2550	3050	Gearing Ratio = 7.5	2400	2900	Gearing Ratio = 6.5	2250	2700
Gearing Ratio = 8	2700	3250	Gearing Ratio = 7	2600	3100	Gearing Ratio = 6	2400	2900

**MAXIMUM RPM** Maximum hover RPM (100% Throttle)

**GOVERNOR RPM** Recommended RPM for ESC governor control

*For Safety Reasons, do not exceed 2600 RPM for 550 through 650-Class R/C Helicopters*



### KDE DIRECT 550XF-1200-G3 HP BRUSHLESS MOTOR

8S VOLTAGE (29.6V Nominal)	GOVERNOR RPM	MAXIMUM RPM	7S VOLTAGE (25.9V Nominal)	GOVERNOR RPM	MAXIMUM RPM	6S VOLTAGE (22.2V Nominal)	GOVERNOR RPM	MAXIMUM RPM
Gearing Ratio = 14	2250	2650	Gearing Ratio = 12.5	2200	2600	Gearing Ratio = 11.5	2000	2400
Gearing Ratio = 13.5	2350	2750	Gearing Ratio = 12	2300	2700	Gearing Ratio = 11	2100	2500
Gearing Ratio = 13	2450	2850	Gearing Ratio = 11.5	2400	2800	Gearing Ratio = 10.5	2200	2650
Gearing Ratio = 12.5	2550	2950	Gearing Ratio = 11	2500	2950	Gearing Ratio = 10	2300	2750
Gearing Ratio = 12	2650	3100	Gearing Ratio = 10.5	2650	3100	Gearing Ratio = 9.5	2450	2900
Gearing Ratio = 11.5	2750	3200	Gearing Ratio = 10	2750	3250	Gearing Ratio = 9	2550	3100
Gearing Ratio = 11	2850	3350	Gearing Ratio = 9.5	2900	3400	Gearing Ratio = 8.5	2700	3250
Gearing Ratio = 10.5	3000	3500	Gearing Ratio = 9	3050	3600	Gearing Ratio = 8	2900	3450

### KDE DIRECT 500XF-925-G3 HP BRUSHLESS MOTOR

8S VOLTAGE (29.6V Nominal)	GOVERNOR RPM	MAXIMUM RPM	7S VOLTAGE (25.9V Nominal)	GOVERNOR RPM	MAXIMUM RPM	6S VOLTAGE (22.2V Nominal)	GOVERNOR RPM	MAXIMUM RPM
Gearing Ratio = 9.5	2550	3000	Gearing Ratio = 9	2350	2750	Gearing Ratio = 8.5	2150	2500
Gearing Ratio = 9	2700	3150	Gearing Ratio = 8.5	2500	2950	Gearing Ratio = 8	2300	2650
Gearing Ratio = 8.5	2850	3350	Gearing Ratio = 8	2650	3100	Gearing Ratio = 7.5	2450	2850
Gearing Ratio = 8	3050	3550	Gearing Ratio = 7.5	2850	3300	Gearing Ratio = 7	2600	3050
Gearing Ratio = 7.5	3250	3800	Gearing Ratio = 7	3050	3550	Gearing Ratio = 6.5	2800	3300
Gearing Ratio = 7	3500	4050	Gearing Ratio = 6.5	3300	3850	Gearing Ratio = 6	3050	3550
Gearing Ratio = 6.5	3750	4400	Gearing Ratio = 6	3550	4150	Gearing Ratio = 5.5	3300	3900
Gearing Ratio = 6	4050	4750	Gearing Ratio = 5.5	3900	4550	Gearing Ratio = 5	3650	4250

### KDE DIRECT 500XF-1350-G3 HP BRUSHLESS MOTOR

7S VOLTAGE (25.9V Nominal)	GOVERNOR RPM	MAXIMUM RPM	6S VOLTAGE (22.2V Nominal)	GOVERNOR RPM	MAXIMUM RPM	5S VOLTAGE (18.5V Nominal)	GOVERNOR RPM	MAXIMUM RPM
Gearing Ratio = 13.5	2300	2700	Gearing Ratio = 12	2150	2600	Gearing Ratio = 11	1950	2350
Gearing Ratio = 13	2400	2800	Gearing Ratio = 11.5	2250	2700	Gearing Ratio = 10.5	2050	2500
Gearing Ratio = 12.5	2500	2900	Gearing Ratio = 11	2350	2850	Gearing Ratio = 10	2150	2600
Gearing Ratio = 12	2600	3050	Gearing Ratio = 10.5	2450	2950	Gearing Ratio = 9.5	2300	2750
Gearing Ratio = 11.5	2700	3150	Gearing Ratio = 10	2600	3100	Gearing Ratio = 9	2400	2900
Gearing Ratio = 11	2850	3300	Gearing Ratio = 9.5	2750	3300	Gearing Ratio = 8.5	2550	3050
Gearing Ratio = 10.5	2950	3450	Gearing Ratio = 9	2900	3450	Gearing Ratio = 8	2700	3250
Gearing Ratio = 10	3100	3650	Gearing Ratio = 8.5	3050	3650	Gearing Ratio = 7.5	2900	3450

**MAXIMUM RPM** Maximum hover RPM (100% Throttle)

**GOVERNOR RPM** Recommended RPM for ESC governor control

*For Safety Reasons, do not exceed 2900 RPM for 480 through 520-Class R/C Helicopters*

*For Safety Reasons, do not exceed 3600 RPM for 350 through 450-Class R/C Helicopters*



### KDE DIRECT 500XF-1450 HP BRUSHLESS MOTOR

7S VOLTAGE (25.9V Nominal)	GOVERNOR RPM	MAXIMUM RPM	6S VOLTAGE (22.2V Nominal)	GOVERNOR RPM	MAXIMUM RPM	5S VOLTAGE (18.5V Nominal)	GOVERNOR RPM	MAXIMUM RPM
Gearing Ratio = 14.5	2300	2700	Gearing Ratio = 13	2150	2600	Gearing Ratio = 11.5	2000	2450
Gearing Ratio = 14	2400	2800	Gearing Ratio = 12.5	2250	2700	Gearing Ratio = 11	2100	2550
Gearing Ratio = 13.5	2450	2900	Gearing Ratio = 12	2300	2800	Gearing Ratio = 10.5	2200	2650
Gearing Ratio = 13	2550	3000	Gearing Ratio = 11.5	2400	2900	Gearing Ratio = 10	2300	2800
Gearing Ratio = 12.5	2650	3150	Gearing Ratio = 11	2550	3050	Gearing Ratio = 9.5	2450	2950
Gearing Ratio = 12	2800	3250	Gearing Ratio = 10.5	2650	3200	Gearing Ratio = 9	2600	3100
Gearing Ratio = 11.5	2900	3400	Gearing Ratio = 10	2800	3350	Gearing Ratio = 8.5	2750	3300
Gearing Ratio = 11	3050	3550	Gearing Ratio = 9.5	2950	3550	Gearing Ratio = 8	2900	3500

### KDE DIRECT 450XF-1750 HP BRUSHLESS MOTOR

7S VOLTAGE (25.9V Nominal)	GOVERNOR RPM	MAXIMUM RPM	6S VOLTAGE (22.2V Nominal)	GOVERNOR RPM	MAXIMUM RPM	5S VOLTAGE (18.5V Nominal)	GOVERNOR RPM	MAXIMUM RPM
Gearing Ratio = 14.5	2800	3250	Gearing Ratio = 13	2650	3100	Gearing Ratio = 11.5	2450	2950
Gearing Ratio = 14	2900	3350	Gearing Ratio = 12.5	2750	3250	Gearing Ratio = 11	2550	3050
Gearing Ratio = 13.5	3000	3500	Gearing Ratio = 12	2900	3350	Gearing Ratio = 10.5	2650	3200
Gearing Ratio = 13	3100	3650	Gearing Ratio = 11.5	3000	3500	Gearing Ratio = 10	2800	3350
Gearing Ratio = 12.5	3250	3750	Gearing Ratio = 11	3150	3700	Gearing Ratio = 9.5	2950	3550
Gearing Ratio = 12	3350	3950	Gearing Ratio = 10.5	3300	3850	Gearing Ratio = 9	3100	3750
Gearing Ratio = 11.5	3500	4100	Gearing Ratio = 10	3450	4050	Gearing Ratio = 8.5	3300	3950
Gearing Ratio = 11	3650	4300	Gearing Ratio = 9.5	3650	4250	Gearing Ratio = 8	3500	4200

### KDE DIRECT 450XF-3500 HP BRUSHLESS MOTOR

4S VOLTAGE (14.8V Nominal)	GOVERNOR RPM	MAXIMUM RPM	3S VOLTAGE (11.1V Nominal)	GOVERNOR RPM	MAXIMUM RPM	2S VOLTAGE (7.4V Nominal)	GOVERNOR RPM	MAXIMUM RPM
Gearing Ratio = 16	2900	3350	Gearing Ratio = 13	2650	3100	Gearing Ratio = 10	2250	2700
Gearing Ratio = 15.5	2950	3500	Gearing Ratio = 12.5	2750	3250	Gearing Ratio = 9.5	2350	2850
Gearing Ratio = 15	3050	3600	Gearing Ratio = 12	2900	3350	Gearing Ratio = 9	2500	3000
Gearing Ratio = 14.5	3200	3700	Gearing Ratio = 11.5	3000	3500	Gearing Ratio = 8.5	2650	3150
Gearing Ratio = 14	3300	3850	Gearing Ratio = 11	3150	3700	Gearing Ratio = 8	2800	3350
Gearing Ratio = 13.5	3400	4000	Gearing Ratio = 10.5	3300	3850	Gearing Ratio = 7.5	3000	3600
Gearing Ratio = 13	3550	4150	Gearing Ratio = 10	3450	4050	Gearing Ratio = 7	3200	3850
Gearing Ratio = 12.5	3700	4300	Gearing Ratio = 9.5	3650	4250	Gearing Ratio = 6.5	3450	4150

**MAXIMUM RPM** Maximum hover RPM (100% Throttle)

**GOVERNOR RPM** Recommended RPM for ESC governor control

*For Safety Reasons, do not exceed 2900 RPM for 480 through 520-Class R/C Helicopters*

*For Safety Reasons, do not exceed 3600 RPM for 350 through 450-Class R/C Helicopters*

