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Orbit 25

- Orbit 25-10
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Dimensions and weight

Some new way are used here to produce these new outrunner brushless motors. They decided not to do same but **better**, and the result are incredibly efficient Orbit brushless motors. These motor feature triple bearing assembly and balancing of each element to avoid any move of the rotating cage which would allow loss of efficiency. Highest quality magnet are use in conjunction with the material used in the HP 355, which lead to huge torque and efficiency.

Compared to some other commercial outrunner these motor achieve at least 10-15% better efficiency, which is amazing.

Orbit 25 series are great choice for .40 to .91 to electric conversion

Orbit 25-10 (Kv: 930rpm/V)



Propeller	Voltage in V	Current in A	RPM 1/min	Efficiency %	Thrust in N	Thrust in oz
Cam Prop 14,5x4"	11.1	42.9	8960	86.5	26	92
	12.1	49.4	9610	85.5	30.4	107
	14	63.1	10800	84	38.5	136
Cam Prop 14x9,5" fold.	8.5	49.5	6620	85	22.6	80
	10.5	68	7660	80	30.9	109

- Typhoon-micro
- Orbit Accessories
- Xtra Accessories
- Orbit 10
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- Orbit 25
- Orbit 30
- Xtra 25
- Xtra 30
- Xtra 30 EVO
- Terminator
- Predator

Orbit 25-12 (Kv: 770 rpm/V)

Propeller	Voltage in V	Current in A	RPM 1/min	Efficiency %	Thrust in N	Thrust in oz
APC 12x10"E	11.1	41.4	7390	84.5	15.7	55
	12.2	47.8	7920	86	17.7	62
	14.1	60.8	8845	81	22.1	78
APC 13x10"E	8.9	38.5	5935	83	14.7	52
	10.9	53	6830	80.5	17.6	62
	14.6	43	9760	86.5	31.9	113
Cam Prop 14,5x4"	16.5	52.6	10810	86	39.2	138
	18.5	64	11810	83.5	47.6	168
	10	40.5	6530	84.5	22.1	78
Cam Prop 14x9,5" fold.	12	54.3	7550	84	29.4	104

Orbit 25-14 (Kv: 670 rpm/V)

Propeller	Voltage in V	Current in A	RPM 1/min	Efficiency %	Thrust in N	Thrust in oz
APC 13x10"E	10.2	33	5855	83.5	12.8	45
	12.4	44.7	6780	81.5	16.7	59
	14.4	56.2	7610	78	21.1	74
APC 14x10"E	10.2	34	5815	83.5	16.7	59
	12.3	46.4	6675	80	21.6	76
	16.1	34.4	9430	86.5	29.4	104
Cam Prop 14,5x4"	18.1	42	10420	86	36.3	128
	20.3	50	11330	84.5	43.7	154
	12.4	39.5	6960	83.5	25.5	90
Cam Prop 14x9,5" fold.	14.4	50.4	7830	81.5	32.4	114
	10.2	31.5	5870	84	18.1	64
Cam Prop 15x9,5" fold.	12.3	41.6	6840	82.5	24.5	86

Orbit 25-16 (Kv: 590 rpm/V)

Propeller	Voltage in V	Current in A	RPM 1/min	Efficiency %	Thrust in N	Thrust in oz
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APC 13x10"E	12.7	32.7	6250	84.5	14.2	50
	14.8	41.6	7050	83	18.1	64
	16.8	50.7	7765	81	22.6	80
APC 14x10"E	12.6	33.8	6185	84	18.6	66
	14.7	43.8	6920	82	23.5	83
APC 15x10"E	10.4	29.5	5100	83.5	16.7	59
	12.5	39.7	5885	81.5	22.6	80
	14.5	50.7	6575	79	27.5	97
Cam Prop 14,5x4"	19.7	33.5	9950	87.5	33.4	118
	21.9	39.6	10820	86.5	39.7	140
	24.1	45.3	11580	85	45.1	159
Cam Prop 14x9,5" fold.	14.8	37.3	7220	85	27.5	97
	16.8	45.6	7980	83	33.4	118
Cam Prop 15x9,5" fold.	12.6	31	6260	85	20.6	73
	14.8	39.3	7080	84	26.5	93
	16.8	47.1	7850	82	32.4	114
Cam Prop 17x10" fold.	10.1	39.7	4660	77.5	24.5	86
	12.1	52.3	5315	77	32.4	114

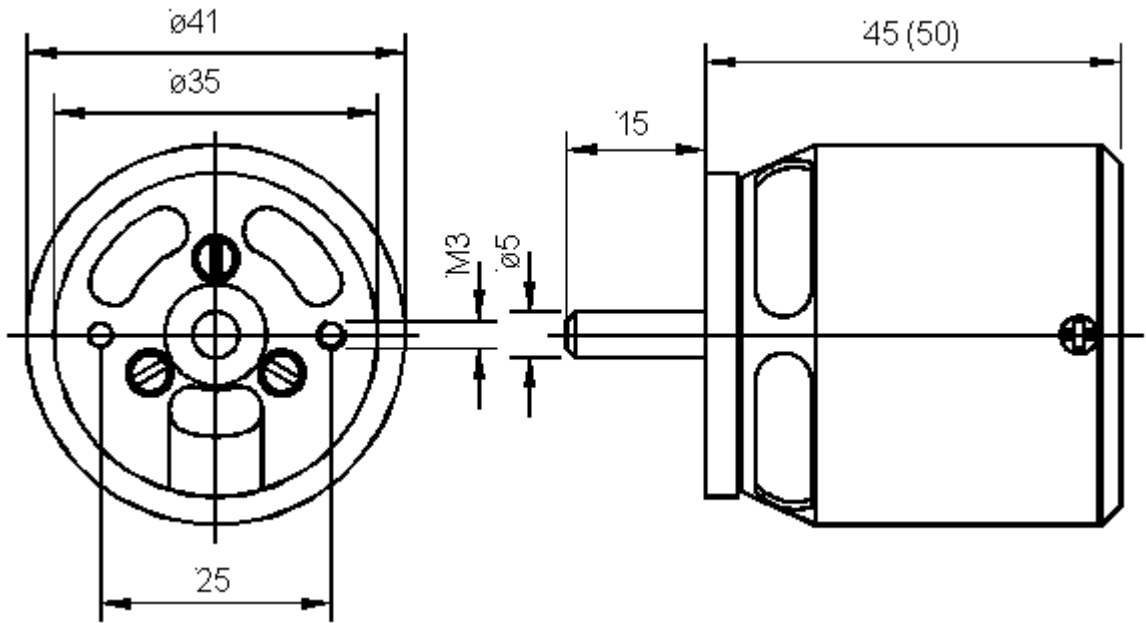
Orbit 25-18 (Kv: 520rpm/V)

Propeller	Voltage in V	Current in A	RPM 1/min	Efficiency %	Thrust in N	Thrust in oz
APC E 14x10"	14.1	28.4	6130	85.5	18.1	64
	16.1	36..2	6780	83	22.1	78
	18.1	43.9	7310	80	25.5	90
APC E 15x10"	11.7	24.8	5090	85	16.7	59
	13.8	33.1	5750	83	21.6	76
	15.8	40.8	6340	80	26.5	93
Cam Prop 15x9,5" fold -5°	18.6	30.5	8120	86.5	30.9	109
	20.7	36.2	8830	84.5	37.3	132
	22.6	41.5	9500	83.5	42.2	149
	24.5	45.8	10180	82	47.1	166
Cam Prop 17x10" fold -5°	12.5	31.7	5150	81.5	26.5	93
	14.4	40	5660	78.5	33.4	118
Cam Prop 15x9,5" fold.	16.1	32.2	6900	85	25.5	90
	18.2	38.7	7600	83.5	30.9	109

	20.2	45.1	8220	80.5	36.3	128
Cam Prop 17x10" fold.	12.3	38	4810	77	26.5	93

Dimensions and weight

Orbit 25 (250 g, 8.8oz)



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