Declaration:

- 1. Generally, manufacturers only mark the brushed motors with "Turns", all the corresponding KV values (shown in the table below) are measured by Hobbywing. Those data may be a little different from the data provided by the manufacturers and are only for reference!
- 2. The following KV values are measured under the same test condition as defined for brushless motors, that's they are measured with no load.

Brushed Motor Brand	Model	Class	Turns	Image	KV /Drughod/	AXE Motor KV Recommended		
Dianu		(Drusine		(Brushed)	Recommended			
Holmes	TraiMaster	550	21T	NO OFFI	2350	2300KV		
Holmes	TraiMaster	550	27T	TO TO THE REAL PROPERTY.	1850	1800KV		
Traxxas	TITAN	550	12T		3550	3300KV (Coming Soon)		
Traxxas	TITAN	550	21T		1870	1800KV		
TEKIN	T30 Pro	540	30T	The California of the Californ	1800	1800KV		
Snow Panther	TM-8019	540	19T	19 7	3300	3300KV (Coming Soon)		
Snow Panther	TM-8021	540	21T	217	2900	3300KV (Coming Soon)		

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Snow Panther	TM-7522	540	22T	A TOP TO SERVICE OF THE PARTY O	2550	2300KV	
Snow Panther	TM-6527	540	27T	277	2300	2300KV	
Snow Panther	TM-6035	540	35T	35 T	1850	1800KV	
Snow Panther	TM-5045	540	45T	65	1250	1200KV	
Snow Panther	TM-5550	540	50T		1300	1200KV	
Snow Panther	TM-5055	540	55T		1050	1200KV	
SURPASS	\	540	21T		2750	3300KV (Coming Soon)	
SURPASS	\	540	27T	BRUSHED MOTOR S40/27T	2250	2300KV	
SURPASS	\	540	35T	anuar taker or anuar taker or	1700	1800KV	

SURPASS	\	540	45T	A Revenue of the second	1350	1200KV
SURPASS	\	540	55T	SURPAGE BRUSHED MOTOR S40/5ST	1100	1200KV

Relevant Expalanation:

- 1. For AXE (brushless) motors, their power is suitable for requirement of brushed 540/550-size motors with the same KV value, eg the AXE (brushless) 1800KV can replace both Holmes 550 27T & TEKIN 540 30T(see above list).
- 2. For some AXE (brushess) motors with (a little) lower KV values (when compared to other brand brushed motors), you can enable the "Turbo Timing" (*Programmable Item 4*) on your ESCs, then the motor speeds (at full throttle) can be improved by 10% (maximum) and be almost the same as the speeds of brushed motors like Snow Panther 22T & SURPASS 45T. Note: Turbo Timing: it's an item for setting the value of timing and can only be enabled at full throttle. It's usually activated on long straightaway and makes the motor unleash its maximum potential.
- 3. For some AXE (brushess) motors with (a little) higher KV values (when compared to other brand brushed motors), you can reduce the "Max. Forward Force" (*Programmable Item 4*) a little bit on your ESCs (or tune the EPA after calibrate the throttle range of the ESC), then the motor speeds can be improved and be almost the same as the speeds of brushed motors like Snow Panther 55T & SURPASS 35T.

Item #	Programmable Item	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Option 7	Option 8	Option 9	Option 10	
1	Cutoff Voltage	Disabled	Low	Intermediate	High							
2	Max. Forward Force	25%	37.5%	50%	62.5%	75%	87.5%	100%				
3	Max. Reverse Force	25%	37.5	50%	62.5%	75%	87.5%	100%				
4	Turbo Timing	0-10° Adjustable (Step: 1°, default: 0°)										
5	Turbo Delay	Instant	0 . 1s	0.2s	0.3s	0.4s	0.5s					
6	Drag Brake Force	50-200% Adjustable (default: 80%)										
7	Drag Brake Rate	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	Auto	
8	Neutra l Range	6%-17%Adjustable (default: 10%)										
9	Start Mode (/ Punch)	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9		
10	BEC Voltage	6.0V	7.4V									
11	Motor Rotation	CW	ccw									