



INTEGRATED SOPHISTICATION

Many customers have utilized our industry leading software functionality that Castle Link offers. When paired with a Castle Creations sensor supported ESC, like the MAMBA MAX PRO or MAMBA MONSTER X, you can unlock advanced tuning capabilities that Castle Link provides specifically for sensored motors.

**SMART
SENSE**

SMARTSENSE™ uses the motors sensors to start the motor to provide excellent torque and low-speed drivability. Once the motor is turning it seamlessly transitions to Castle's **ULTRA- EFFICIENT** sensorless mode. When running, a motor must transition between different load points and a different timing advance is required for optimal efficiency at each. Using mechanical timing adjustments alone, you can only target one driving condition, such as higher start power or higher top end speed. This sacrifices performance and efficiency during the other driving phases. Electronic timing in **SMARTSENSE™** will advance timing automatically for peak performance during all driving conditions. This allows users to combine the best of both worlds in an unrivaled hybrid between smooth sensored startups and high efficiency sensorless drive.

SPECIFICATIONS

Description:	1406 1.25Y 4600Kv	1406 1Y 5700Kv	1406 1Y 6900Kv	1406 1Y 7700Kv
Part Number:	060-0056-00	060-0057-00	060-0058-00	060-0059-00
Availability:				
SKU:	819326011399	819326011405	819326011412	819326011429
Max RPM:	100,000	100,000	100,000	100,000
Motor Length:	49.5mm	49.5mm	49.5mm	49.5mm
Motor Diameter:	36mm	36mm	36mm	36mm
Shaft Diameter:	1/8" 3.17mm	1/8" 3.17mm	1/8" 3.17mm	1/8" 3.17mm
Mounting Holes:	M3 @ 25mm	M3 @ 25mm	M3 @ 25mm	M3 @ 25mm
Connector:	4mm Male Castle Bullet Connectors	4mm Male Castle Bullet Connectors	4mm Male Castle Bullet Connectors	4mm Male Castle Bullet Connectors
Applications:	1/10TH 2WD SCT, on-road touring, stadium truck and buggies	1/10TH 2WD SCT, on-road touring, stadium truck and buggies	1/10th on-road touring	1/10th on-road touring
Running Modes:	SMARTSENSE™, Sensored, Sensorless			

1406
SENSORED
4-POLE BRUSHLESS MOTOR

