

MOTOR SPECIFICATIONS

BLDC MOTORS

High-performance motors designed and manufactured for drones, robotics and autonomous platforms.

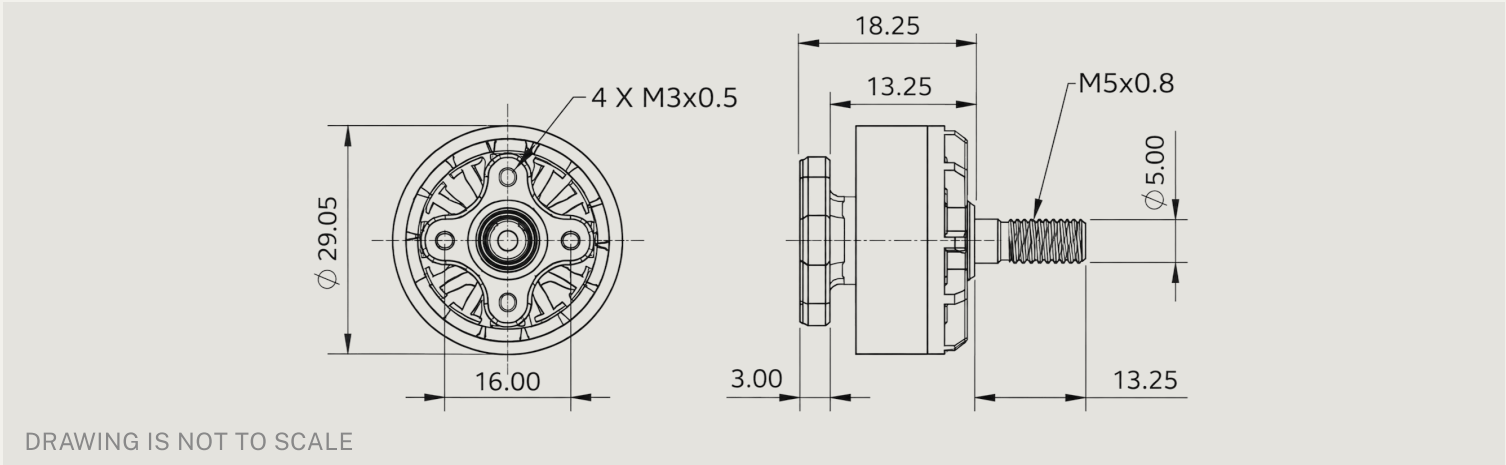
PATHFINDER SERIES/2206.5 Kv

AM-2206.5-1750-01

1750 KV	2s — 6s	35g
RPM/V	Rated Voltage	Motor Weight



01 | DIMENSIONS



02 | ELECTRICAL SPECIFICATIONS

KV (RPM per volt of open-circuit, line-to-line back-EMF peak)	1750	RPM/V
Rated Voltage	2S-6S	—
Peak current (10 seconds, still air)	16	A
Idle Current (10V)	0.9	A
Resistance (Line-Line, including 150mm leads)	125	mΩ
Stator teeth/poles	12/14	—
Max Winding Temp (Class H)	180	°C
Magnet Grade	SH	—
Max Magnet Temp	150	°C

03 | MECHANICAL SPECIFICATIONS

Stator Diameter	22	mm
Stator Stack Height	6.5	mm
Shaft Diameter	5	mm
Motor Weight	35	Grams
Bearings	85-2Z	—

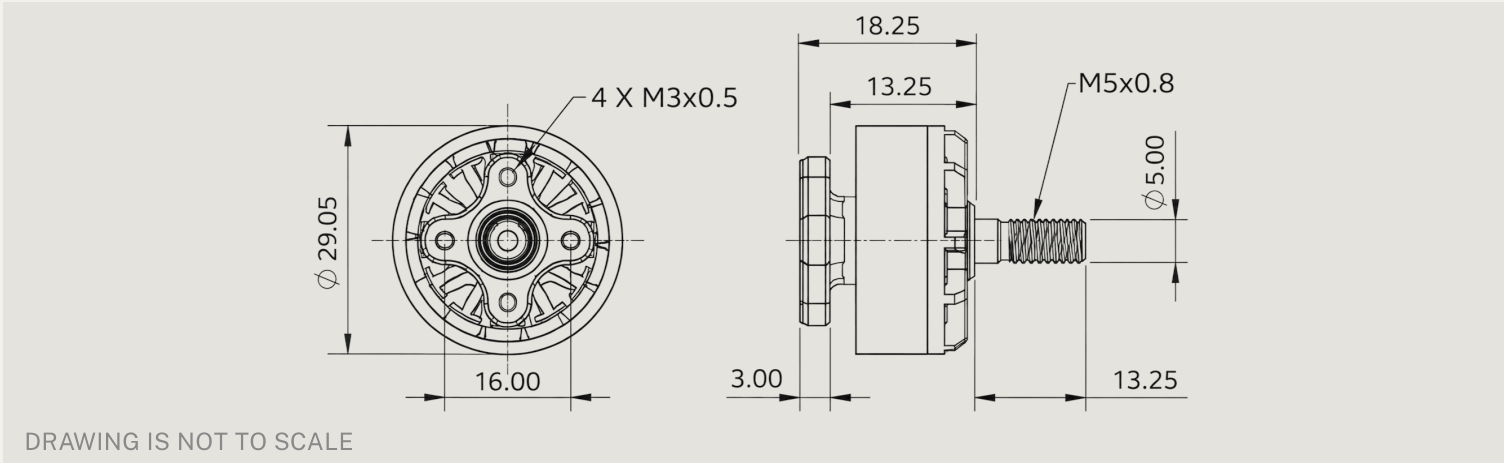
PATHFINDER SERIES/3115 1100 Kv

AM-3115-1100-01

1100 KV	4s — 6s	125g
RPM/V	Rated Voltage	Motor Weight



01 | DIMENSIONS



02 | ELECTRICAL SPECIFICATIONS

KV (RPM per volt of open-circuit, line-to-line back-EMF peak)	1100	RPM/V
Rated Voltage	4S-6S	—
Peak current (10 seconds, still air)	65	A
Idle Current (10V)	1.3	A
Resistance (Line-Line, including 150mm leads)	30	mΩ
Stator teeth/poles	12N 14P	—
Max Winding Temp (Class H)	180	°C
Magnet Grade	N4SH	—
Max Magnet Temp	150	°C

03 | MECHANICAL SPECIFICATIONS

Stator Diameter	31	mm
Stator Stack Height	15	mm
Shaft Diameter	5	mm
Shaft Thread	5 x 0.8	mm
Motor Weight	125	Grams
Bearings	105-2Z	—

PATHFINDER SERIES/4112 450 Kv

AM-4112-450-01

450 KV

RPM/V

4s — 8s

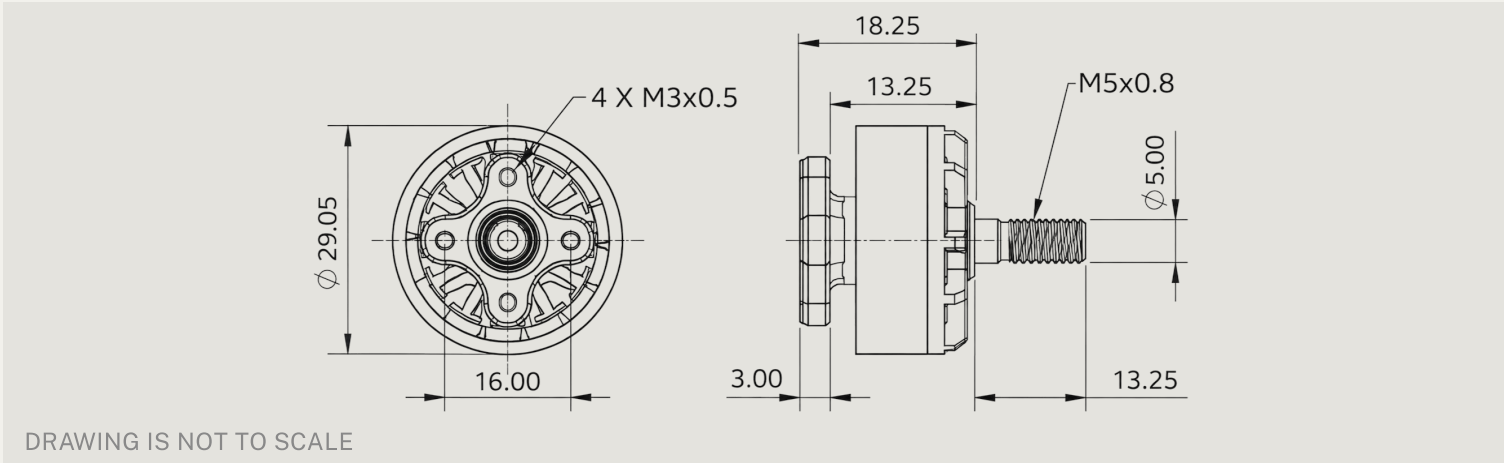
Rated Voltage

148g

Motor Weight



01 | DIMENSIONS



02 | ELECTRICAL SPECIFICATIONS

KV (RPM per volt of open-circuit, line-to-line back-EMF peak)	450	RPM/V
Rated Voltage	4S-8S	—
Peak current (10 seconds, still air)	60	A
Idle Current (10V)	0.6	A
Resistance (Line-Line, including 150mm leads)	51	mΩ
Stator teeth/poles	12N 14P	—
Max Winding Temp (Class H)	180	°C
Magnet Grade	N40SH	—
Max Magnet Temp	150	°C

03 | MECHANICAL SPECIFICATIONS

Stator Diameter	41	mm
Stator Stack Height	12	mm
Shaft Diameter	3.95	mm
Motor Weight	148	Grams
Bearings	695-2Z	—



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