

KSH Motors KSH-012-060, KSH-012-072, KSH-012-096, KSH-012-384

Our KSH motor series features motors that are

- Compact in size with best-in-class power density
- Delivering full power in extreme ambient by using high-grade materials.
- Providing IP67 grade environmental protection as per IEC 60529 AC



Motor P/N	KSH-012-060	KSH-012-072	KSH-012-096	KSH-012-384
Rotor position sensing	Sine/Cosine analog encoder	Sine/Cosine analog encoder	Sine/Cosine analog encoder	Sine/Cosine analog encoder
Rated DC voltage	60Vdc	72Vdc	96Vdc	384Vdc
Continuous power (S2-60 minute)	8kW	8kW	8kW	8kW
Continuous line current (S2-60 minute)	118.3Arms	96.5Arms	75.6Arms	18.1Arms
Peak power (S2-2 minute)	12kW	12kW	12kW	12kW
Rotor poles	10	10	10	10
Stator slots	12	12	12	12
Maximum no load speed	6000rpm	6000rpm	6000rpm	6000rpm
Efficiency	>92%	>92%	>92%	>92%
Storage ambient temperature	-30°C to +75°C	-30°C to +75°C	-30°C to +75°C	-30°C to +75°C
Operating ambient temperature	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C
Motor dimension (L x D)	291mm x 161mm	291mm x 161mm	291mm x 161mm	291mm x 161mm

Propelling up and ahead

Shaft diameter & length	Configurable as per end application	Configurable as per end application	Configurable as per end application	Configurable as per end application
Ingress protection	IP67	IP67	IP67	IP67
Weight	15Kg	15Kg	15Kg	15Kg
Cooling mechanism	Natural convection	Natural convection	Natural convection	Natural convection

Related products:

Our **KSH** series energy efficient, compact form-factored, best in class EV controllers as below:

- 1 KSH-012-048-VC
- 2 KSH-012-072-VC
- 3 KSH-012-096-VC



Other products:

Our **PRV** series high-performance, compact sized, light-weight drone motors as below:

- 1 PRV-040-400
- 2 PRV-016-100LA (Low altitude)
- 3 PRV-016-100HA (High altitude)
- 4 PRV-007-100LA (Low altitude)
- 5 PRV-007-100HA (High altitude)
- 6 PRV-007-52
- 7 PRV-002-44



Our **PRV** series best in class, small form factored drone controllers (ESC) as below:

- 1 PRV-016-100-TC
- 2 PRV-007-100-VC

