

KSH Motors Series

The KSH Motor Series from Zepco Technologies is engineered for high performance, reliability, and efficiency in demanding applications. These motors combine compact form factors with best-in-class power density and robust environmental protection, making them suitable for EV, industrial, and harsh-environment use cases.

Key Features

- Compact size with industry-leading power density
- Delivers full rated power in extreme ambient conditions using high-grade materials
- IP67 environmental protection compliant with IEC 60529
- High efficiency across the operating range



Motor P/N	KSH-012-060	KSH-012-072	KSH-012-096	KSH-008-052	KSH-008-96
Rotor position sensing	Sine/Cosine Analog Encoder				
Rated DC voltage	60 Vdc	72 Vdc	96 Vdc	52 Vdc	96 Vdc
Continuous power (S2-60 min)	8 kW	8 kW	8 kW	4.5 kW	4.5 kW
Continuous line current (S2-60 min)	118.3 A	96.5 A	75.6 A	77.7 A	43 A
Peak power (S2-2 min)	12 kW			8 kW	
Rotor poles	10				
Stator slots	12				
Max no-load speed	6000 rpm				
Efficiency	> 92%	> 92%	> 92%	> 92%	> 93%
Storage Temp	-30°C to +75°C				
Operating Ambient Temp	-20°C to +60°C				
Dimension (L x D)	291mm x 161mm				
Shaft diameter & length	Configurable as per end application				
Ingress protection	IP67				
Weight	15 Kg				

Related Vehicle Control Units/Controllers

Key Features

- Compact size with industry-leading power density
- Delivers full rated power in extreme ambient conditions using high-grade materials
- IP65 environmental protection compliant with IEC 60529
- High efficiency across the operating range

Models

- KSH-012-048-VC / KSH-012-072-VC/ KSH-012-096-VC
- KSH-008-048-VC / KSH-008-096-VC



Note: The technical data present in this document is for information purpose only and is subject to change without prior notice. Should you require more information, please reach us at info@zepcotek.com