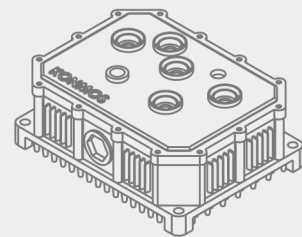
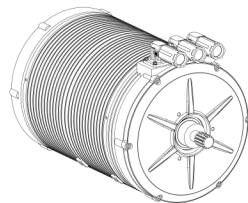
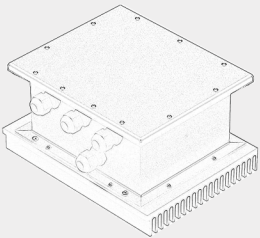
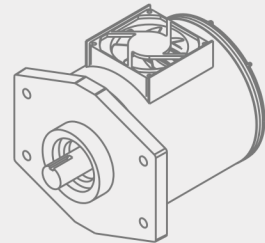
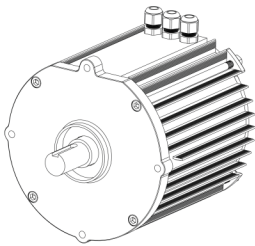


**WE  
ELECTRIFY**



# Yanak (यानक)- Electric Vehicle Motors

## SPECIFICATIONS

Type	V <sub>DC</sub>	P <sub>N</sub> (kW)	N <sub>N</sub> (RPM)	T <sub>N</sub> (Nm)	I <sub>N</sub> (A <sub>RMS</sub> )	N <sub>max</sub> (RPM)	T <sub>max</sub> (Nm)	I <sub>max</sub> (A <sub>RMS</sub> )	η (%)
IPMSM	48	2.0	3000	6.3	60	9000	15	140	>90
IPMSM	48	2.5	3000	7.9	75	9000	20	175	>90
IPMSM	48	3.1	3000	9.9	70	6000	25	175	>92
IPMSM	48	3.3	3000	10.5	80	9000	25	175	>92
IPMSM	60	3.3	3000	10.5	65	9000	25	140	>92
IPMSM	72	3.0	2000	14.3	45	6000	43	140	>92
IPMSM	48	4.2	3500	11.5	95	7000	25	175	>92
IPMSM	48	3.3	3000	10.5	80	6000	35	225	>92
IPMSM	48	4.0	3000	12.7	85	6000	40	245	>92
IPMSM	48	4.5	3000	14.3	95	6000	38	245	>92
IPMSM	60	5.0	3000	15.9	100	6000	40	245	>92
IPMSM	72	5.0	3000	15.9	75	6000	40	175	>92
IPMSM	48	5.5	2500	21.0	100	6000	54	280	>92
IPMSM	48	6.0	3000	19.0	155	6000	50	315	>92
IPMSM	72	7.5	2800	25.5	115	6000	75	315	>92
IPMSM	48	5.0	2500	19.0	105	6000	50	280	>92
IM	48	3.1	4000	7.4	135	9000	25	245	>85
IM	48	4.7	4000	11.2	185	6000	35	315	>85

Temperature Sensor	Position Sensor	Mounting	Protection	Insulation	Cooling
NTC 100K or PT1000 or KTY 84-130 In stator winding	Resolver (Sin/Cos) or Hall Sensor or Encoder	Flange	IP 67	F or H	Natural or Forced Air Rear → Front or Tangential

# Vahak (वाहक) - Inverter Drive

## SPECIFICATIONS

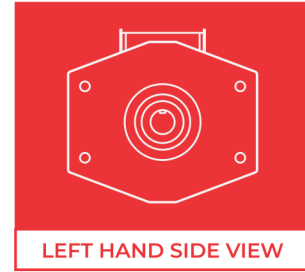
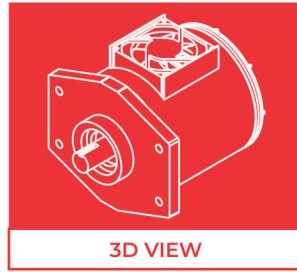
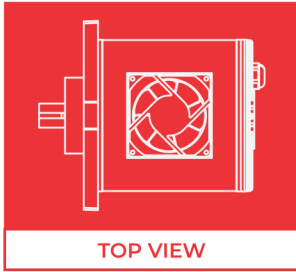
Type	Model	V <sub>DC</sub>	Rated (A <sub>Peak</sub> )	Max (A <sub>Peak</sub> )	f (Hz)	η (%)
PMSM	KTV48-60V1-3KWW1	48-60	140	225	0-500	>98
PMSM	KTV48-60V4-6KWW1	48-60	200	350	0-500	>98
PMSM	KTV48-60V7-10KWW1	48-60	300	500	0-500	>98
PMSM	KTV48-72V1-3KWW2	48-72	140	225	0-500	>98
PMSM	KTV48-72V4-6KWW2	48-72	200	350	0-500	>98
PMSM	KTV48-72V7-10KWW2	48-72	300	500	0-500	>98
BLDC	KTV48-60V1-2KWW3	48-60	75	150	0-500	>98
BLDC	KTV48-72V1-2KWW3	48-72	75	150	0-500	>98

Position Sensor	Digital Input	Digital Output	Analog Input	Analog Output	Communication	Mode
Resolver (Sin/Cos) or Hall Sensor or Encoder	Start Acceleration Break F/R	Two DO	Acceleration Temperature	Torque RPM	CAN	Drive Eco

### Protections

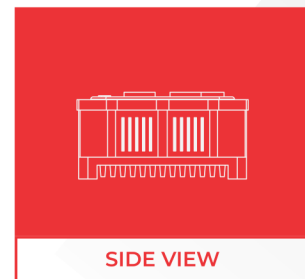
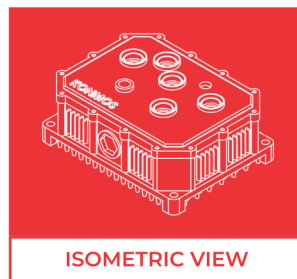
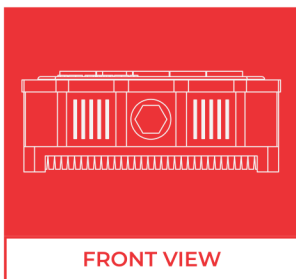
Over Voltage   Under Voltage   Short Circuit   Over Temperature   Over Current

## MOTOR FEATURES



- Vector controlled drive operation
- High power density Low noise
- Interior permanent magnet synchronous motor (IPMSM)
- High temperature rare earth magnets
- Thermal optimized design
- Compact size
- Durable bearing
- Fan cooling
- IP 67 protection
- Mechanical strengthen body

## DRIVE FEATURES



- Multiple driving mode
- Programmable current limit
- Maximum torque per ampere control
- Torque and speed control
- Efficient algorithm
- Multiple protections
- Thermal optimized design
- Compact size
- Communication enabled
- Aluminum body for heat dissipation
- IP 65 protection

### Two-wheelers



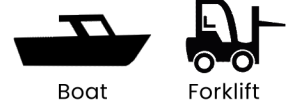
### Three-wheelers



### Agriculture



### Other





## ABOUT US

Konmos Technologies is a syneragatic outcome of a conglomerate which celebrates its legacy of over 50 years by commemorating the unique ingredient of its remarkable growth story.

Our many unique attributes projects the mark of a stunning growth story with a perfect goal to offer our customers the latest technology and modern processes. Down the line of 5 decades, we have developed one of its kind facilities for every individual process. Our journey continues with utmost perfection, day by day.

The group has pleasure of working with the industry clientele serving small and large-scale companies with same dedication and instant response has resulted in strengthening the loyalty of customers.

The group has vast experience in manufacturing motors for Crompton Greaves, Siemens, ABB, Bharat Bijlee and many other.

*Konmos Technologies Private Limited is a leading manufacturing company recognized for the design and development of the most advanced motor and inverter drive for industry, electrical vehicles and pumps.*

*We offer a wide power range of Advanced motor and controller. The Advanced motor controller has an intelligent microcontroller with a high power MOSFET to drive the motor to achieve an efficiency of more than 90%.*

*Company is operating in Rajkot, Gujarat (India) with in-house R&D facility and large scale manufacturing capacity.*

## CORE VALUES

✓ Highest corporate integrity    ✓ Zero tolerance quality policy

✓ Ethical approach    ✓ Utmost customer satisfaction    ✓ Incessant improvement

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