



JIANGSU YUNYI DRIVE SYSTEM CO., LTD



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PART 01 | ENTERPRISE INTRODUCTION

ABOUT YUNYI

ELECTRIC VEHICLE DRIVE SYSTEM

Jiangsu Yunyi Electric Co., Ltd. was established in July 2001 with a registered capital of 870 million yuan. It was listed on the Shenzhen Stock Exchange on March 21, 2012. Our main business is the research and development, production, and sales of automotive electronic products such as automotive rectifiers and regulators. The company is one of the drafting units for the first Chinese internal combustion engine industry standard, a participant in the formulation of standards for Chinese automotive rectifiers and high-power automotive diodes, and one of the leading enterprises in the field of internal combustion engine components in China. In 2020, the sales revenue exceeded 1 billion yuan, and the domestic independent passenger car market accounted for more than 90%.

YUNYI started to focus on new energy vehicle module from 2013, and established YUNYI Drive in 2015 with a registered capital of 96.4 million, which is dedicated to the R&D, production and sales of drive motor products.



Mission

Committed to core chip intelligent manufacturing.



Vision

Become the world's distinguished automotive core component service provider.



Core value

Assist customers to be successful.

Focus on value-creation.

Open and honest.

Strivers are highly praised.



24+

Industry experience



6

Branch offices



2500+

No. of employees



3

R&D center



508+

Patents



120+

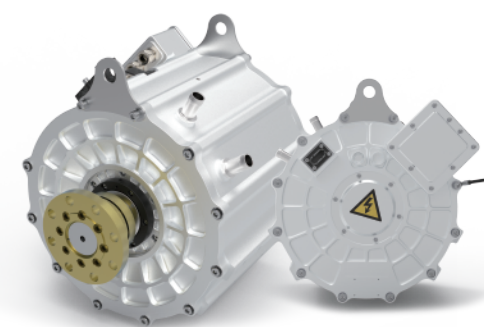
Serving countries worldwide

CORE COMPETENCIES

High efficiency and light weight by development of design, technology and structure.



PRODUCT ADVANTAGES



A

Excellent design with this solution, the motor is smaller in size and lighter in weight with the same performance and efficiency advantages in electromagnetic design.

B

Based on GDT structure matching design, the motor structure is more compact and reliable - with cost advantages in structural design.

C

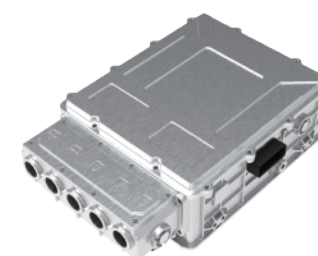
Based on the vertical integration advantage of supply chain resources of group companies possessing low cost advantages in supply chain integration and management.

D

Based on a mature quality management model, raw materials and product processes are more reliable and stable adopting consistent quality control standards from the group company to ensure quality.

E

Provide customers with the most cost-effective solution while meeting their technical and quality requirements

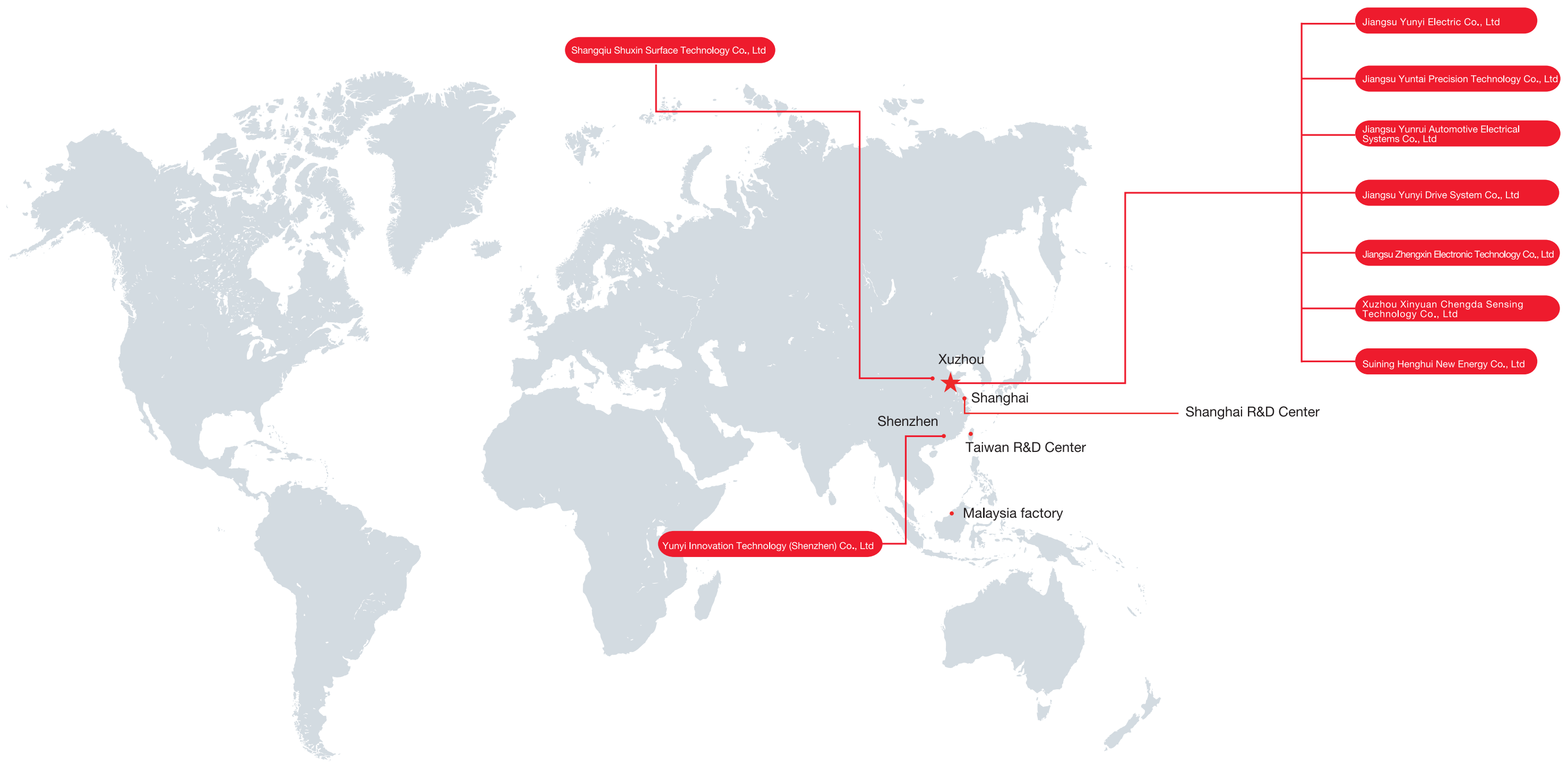


INTELLECTUAL PROPERTY RIGHT

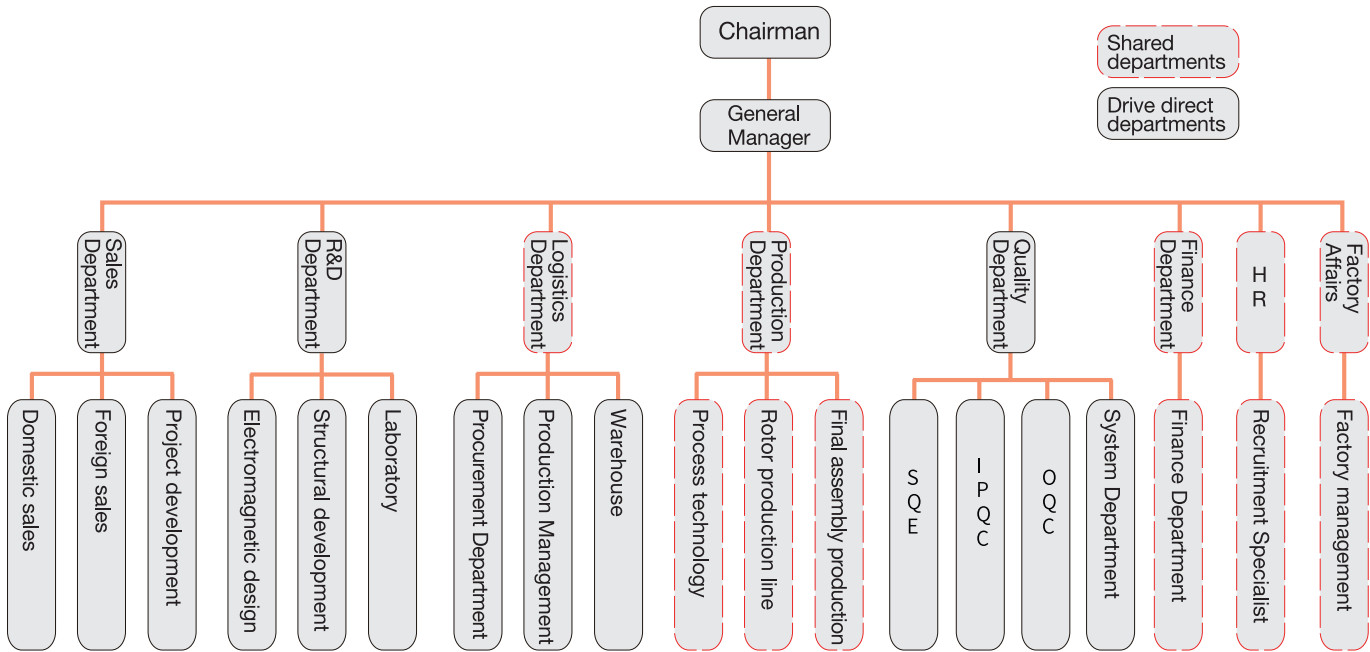


As of now, the company has a total of 20 types of intellectual property rights, including 15 utility model patents, 5 invention patents, and patents related to the products of this project 5 utility model patents have been granted, and 5 invention patents are undergoing substantive examination.

DISTRIBUTION OF SUBSIDIARIES OF YUNYI ELECTRIC



ORGANIZATIONAL STRUCTURE



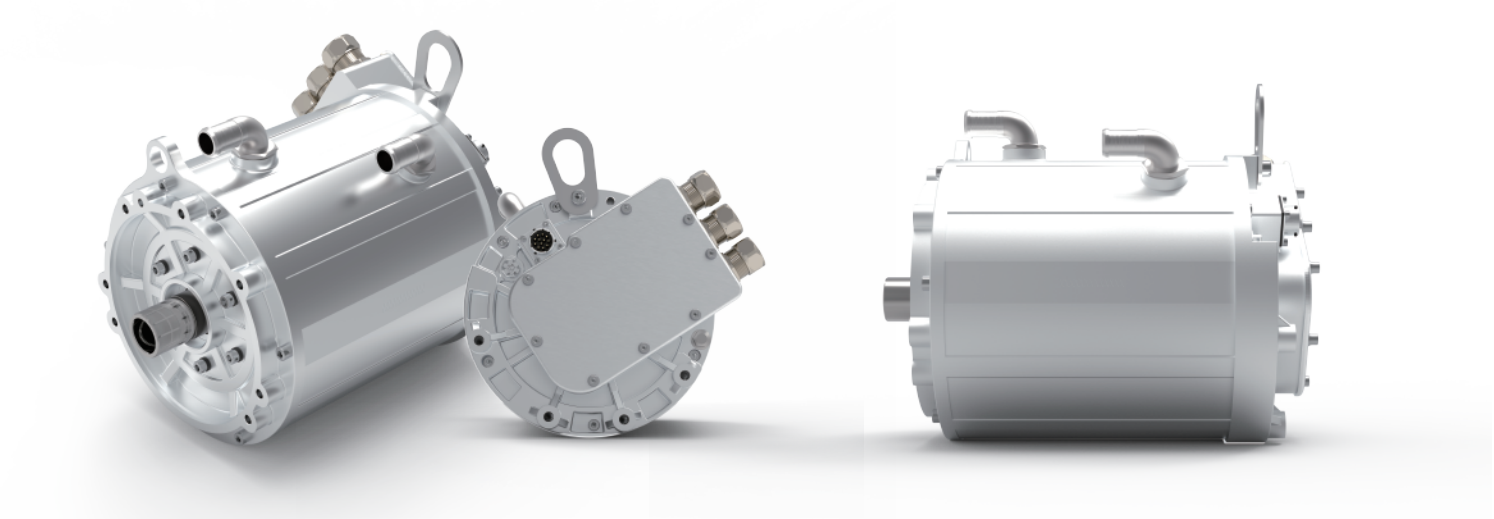
PART 02

PRODUCT SERIES

CUSTOMER CASES



YYG01A 30(60)KW&220N.M&9000RPM&336V

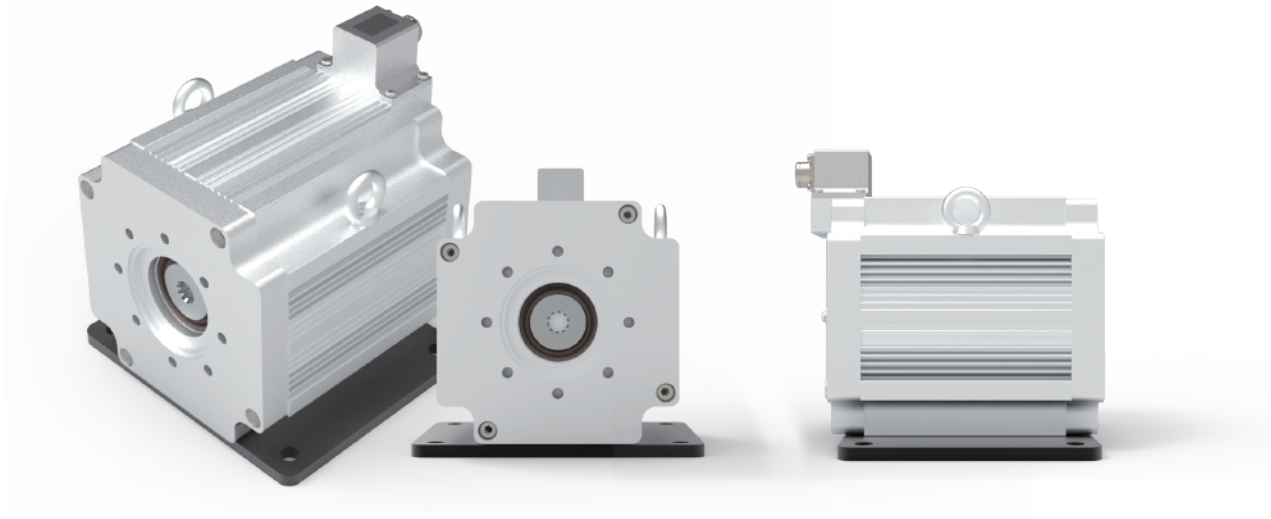


TECHNICAL SPECIFICATIONS

Rated power(KW)		30		Peak power (kW)		60		Definition of Rotary Transformer Interface Signal	
Rated speed(rpm)		3000		Peak speed (rpm)		9000		Controller pins	Signal definition
Rated torque(N.m)		96		Peak torque(N.m)		220		A	EXC+
Rated voltage AC(V)		237		Rated current(Arms)		110		B	EXC-
Rated DC bus voltage DC(V)		336		Maximum current(Arms)		270		C	sin+
Minimum bus voltage for full power operation(V)		300		Maximum speed corresponds to no-load Counter-Electromotive force (V)		473		D	sin-
Working DC voltage range(V DC)		200~450		Rated torque/power operating time(min)		NA		E	cos+
Maximum efficiency(%)		≥96.5%		Peak power duration(s)		60		F	cos-
Efficient zone(%)		≥90.0%		Peak torque duration(s)		60		G	TM1
Energy consumption(KW·H/KM)		NA		External dimensions		φ 220*283		H	GND1
Insulation level	☒	H	☐	Weight (kg)		≤32		J	block
IP Grade	☒	IP68	☐	Cooling water inlet temperature(°C)		≤60		Number of pole pairs	
Nameplate	☒	Standard	☐	Cooling water flow rate(L/min)		≥15		Resolver	
Cooling Mode	☒	Water	☐	Operation Temperature Range(°C)		-40/+60		Working system	
System Working Noise(dB)		≤80		Outer diameter size of water nozzle(mm)		20		Temperature sensor	

Applicable type: Mini van/Mini truck/Energy storage motor & Supporting 450A main drive motor.

YYC01A 5.5(11)KW&52N.M&2000RPM&538V

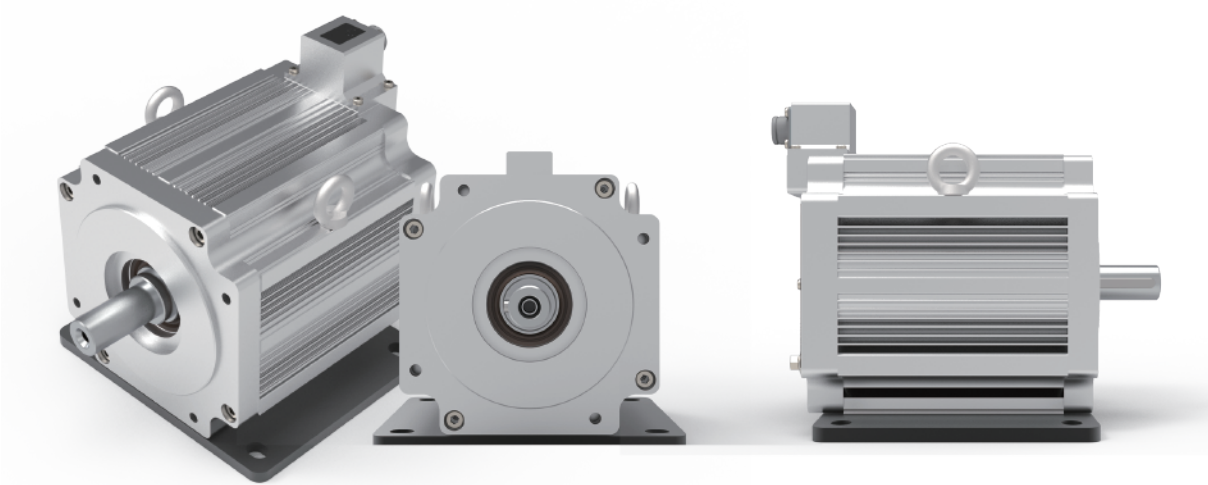


TECHNICAL SPECIFICATIONS

Rated power(KW)		5.5		Peak power (kW)		11	
Rated speed(rpm)		1500		Peak speed (rpm)		2000	
Rated torque(N.m)		35		Peak torque(N.m)		52	
Rated voltage AC(V)		380		Rated current(Arms)		16	
Rated DC bus voltage DC(V)		538		Maximum current(Arms)		25	
Minimum bus voltage for full power operation(V)		400		Maximum speed corresponds to no-load Counter-Electromotive force (V)		297	
Working DC voltage range(V DC)		400~750		Rated torque/power operating time(min)		NA	
Maximum efficiency(%)		≥96.0%		Peak power duration(s)		60	
Efficient zone(%)		≥90.0%		Peak torque duration(s)		30	
Energy consumption(KW·H/KM)		NA		External dimensions		φ 190*231	
Insulation level	☒	H	☐	Weight (kg)		NA	
IP Grade	☐	IP68	☒	Cooling water inlet temperature(°C)		≤60	
Nameplate	☒	Standard	☐	Cooling water flow rate(L/min)		≥15	
Cooling Mode	☒	Natural cooling	☐	Operation Temperature Range(°C)		-40/+60	
System Working Noise(dB)		≤80		Outer diameter size of water nozzle(mm)		20	

Applicable types: Motor for the superstructure of a sanitation vehicle.

YYC02A 7.5(11)KW&52 N.M&2500RPM&540V

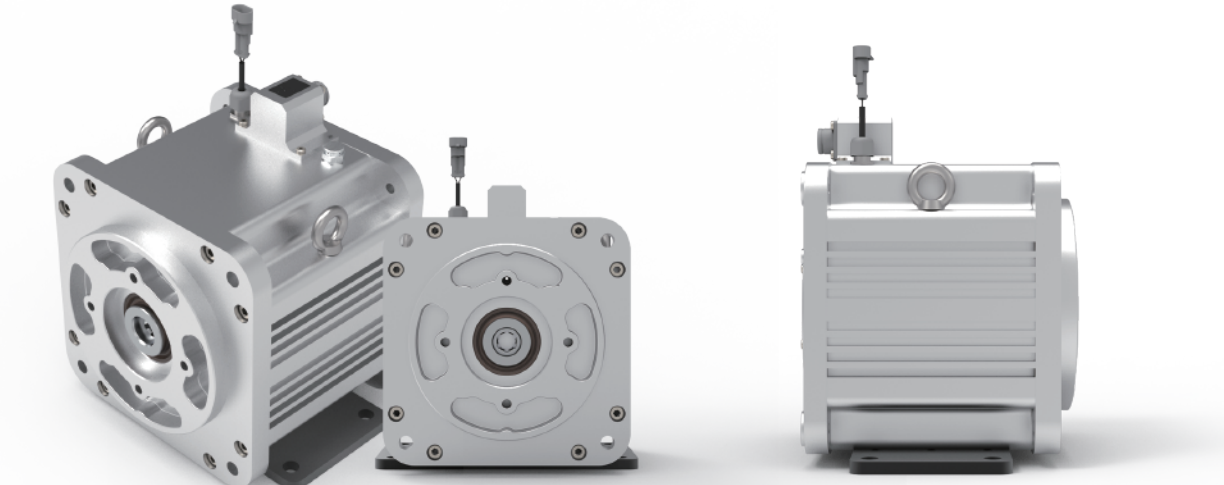


TECHNICAL SPECIFICATIONS

Rated power(KW)		7.5	Peak power (kW)		11
Rated speed(rpm)		2000	Peak speed (rpm)		2500
Rated torque(N.m)		35	Peak torque(N.m)		52
Rated voltage AC(V)		380	Rated current(Arms)		16
Rated DC bus voltage DC(V)		540	Maximum current(Arms)		25
Minimum bus voltage for full power operation(V)		400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		371
Working DC voltage range(V DC)		400~750	Rated torque/power operating time(min)		NA
Maximum efficiency(%)		≥96.0%	Peak power duration(s)		60
Efficient zone(%)		≥90.0%	Peak torque duration(s)		30
Energy consumption(KW·H/KM)		NA	External dimensions		φ 190*245
Insulation level	☒	H	☐	Number of pole pairs	4
IP Grade	☐	IP68	☒	System Working Noise(dB)	≤80
Nameplate	☒	Stan-dard	☐		
Cooling Mode	☒	Natura cooling	☐	Water	

Applicable types: Motor for the superstructure of a sanitation vehicle.

YYK01A 8.5(13)KW&72N.M&2000RPM&538V

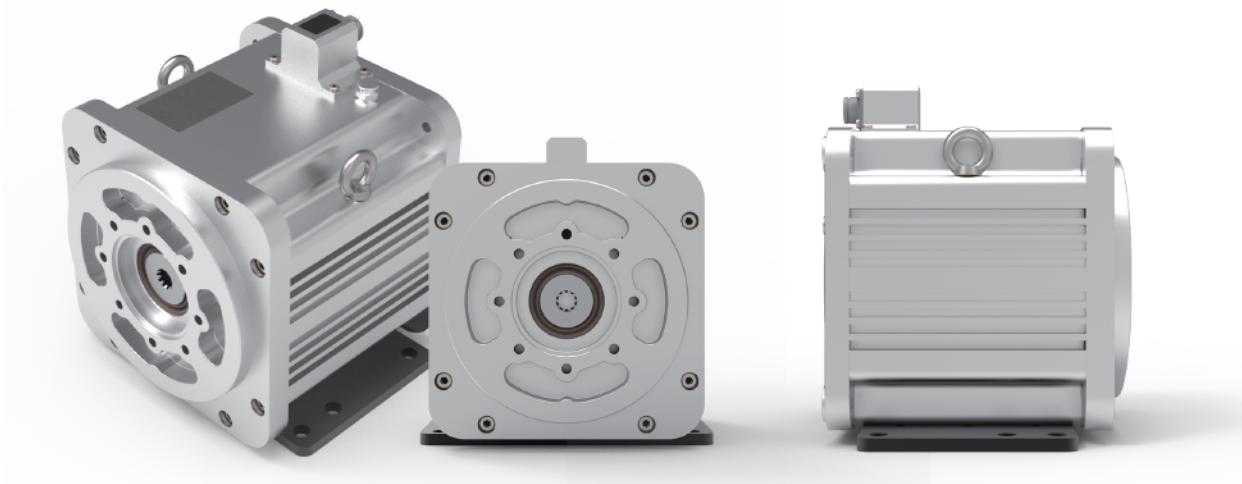


TECHNICAL SPECIFICATIONS

Rated power(KW)				8.5	Peak power (kW)		13
Rated speed(rpm)				1500	Peak speed (rpm)		2000
Rated torque(N.m)				54	Peak torque(N.m)		72
Rated voltage AC(V)				380	Rated current(Arms)		26
Rated DC bus voltage DC(V)				538	Maximum current(Arms)		33.5
Maximum efficiency(%)				≥96.0%	Maximum speed corresponds to no-load Counter-Electromotive force (V)		426
Efficient zone(%)				≥90.0%	Rated torque/power operating time(min)		NA
Energy consumption(KW·H/KM)				NA	Peak power duration(s)		60
Insulation level	■	H	□		Peak torque duration(s)		30
IP Grade	□	IP68	■	IP67	External dimensions		φ 230*223
Nameplate	■	Stan-dard	□	Customer specified	Number of pole pairs		4
Cooling Mode	■	Natura cooling	□	Water	Temperature sensor		PT100
					System Working Noise(dB)		≤ 80

Applicable types: Motor for the superstructure of a sanitation vehicle.

YYK02A 10(15)KW&96 N.M&2000RPM&312V

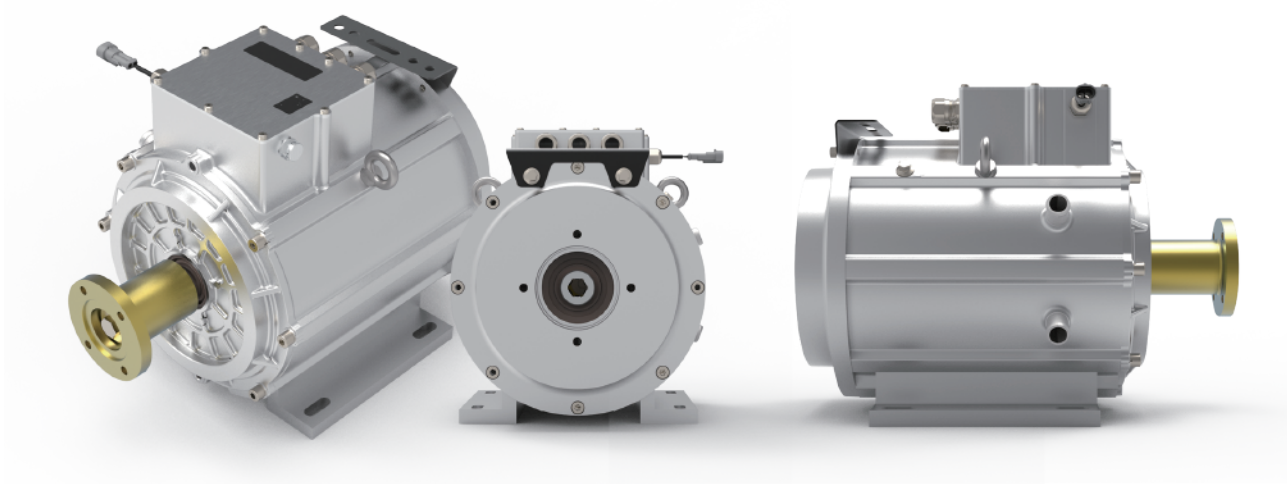


TECHNICAL SPECIFICATIONS

Rated power(KW)				10	Peak power (kW)	15
Rated speed(rpm)				1500	Peak speed (rpm)	2000
Rated torque(N.m)				64	Peak torque(N.m)	96
Rated voltage AC(V)				220	Rated current(Arms)	30
Rated DC bus voltage DC(V)				312	Maximum current(Arms)	45
Maximum efficiency(%)				≥94.8%	Maximum speed corresponds to no-load Counter-Electromotive force (V)	264
Efficient zone(%)				≥90.0%	Rated torque/power operating time(min)	NA
Energy consumption(KW·H/KM)				NA	Peak power duration(s)	60
Insulation level	☒	H	☐		Peak torque duration(s)	30
IP Grade	☐	IP68	☒	IP67	External dimensions	φ 230*231
Nameplate	☒	Stan-dard	☐	Customer specified	Number of pole pairs	4
Cooling Mode	☒	Natura cooling	☐	Water	System Working Noise(dB)	≤80
Temperature sensor				PT100		

Applicable types: Motor for the superstructure of a sanitation vehicle.

YYK04A 27(50)KW&220N.M&3000RPM&540V

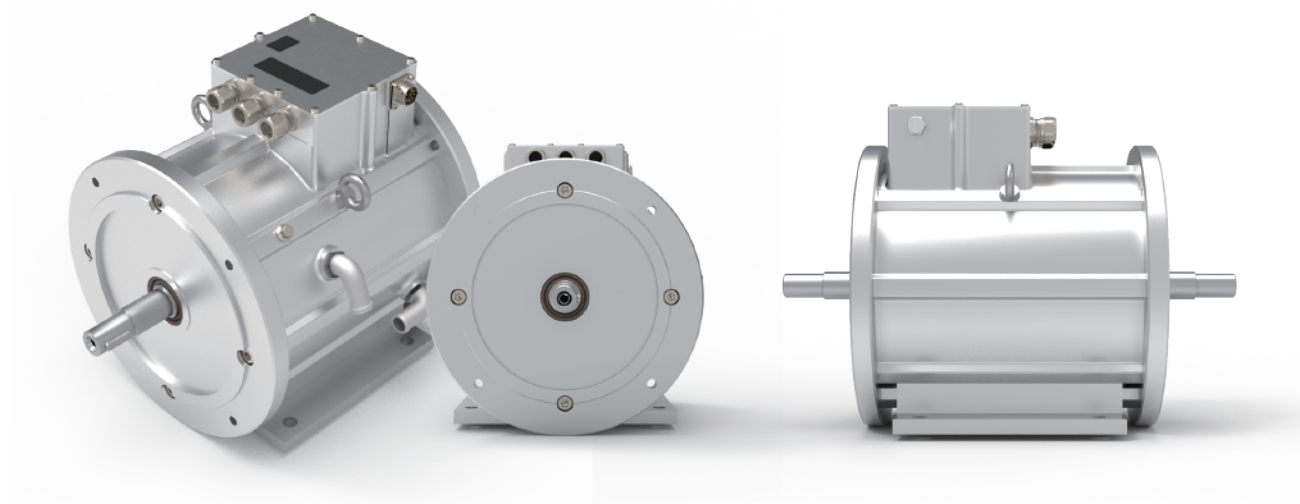


TECHNICAL SPECIFICATIONS

Rated power(KW)				27	Peak power (kW)	50
Rated speed(rpm)				1400	Peak speed (rpm)	3000
Rated torque(N.m)				185	Peak torque(N.m)	220
Rated voltage AC(V)				380	Rated current(Arms)	62
Rated DC bus voltage DC(V)				540	Maximum current(Arms)	78
Cooling water inlet temperature(℃)				≤65	Maximum speed corresponds to no-load Counter-Electromotive force (V)	511.8
Cooling water flow rate(L/min)				≥12.0	Rated torque/power operating time(min)	NA
Maximum efficiency(%)				≥95.0%	Peak power duration(s)	30
Efficient zone(%)				≥90.0%	Peak torque duration(s)	30
Energy consumption(KW·H/KM)				NA	External dimensions	φ 233*334
Insulation level	☒	H	☐		Weight (kg)	59.2
IP Grade	☐	IP68	☒	IP67	Number of pole pairs	4
Nameplate	☒	Stan-dard	☐	Customer specified	Working system	S1
Cooling Mode	☐	Natura cooling	☒	Water	Temperature sensor	PT100
System Working Noise(dB)				≤80		

Applicable types: Motor for the superstructure of a sanitation vehicle.

YYK05A 45(48)KW&75.2N.M&6500RPM&540V

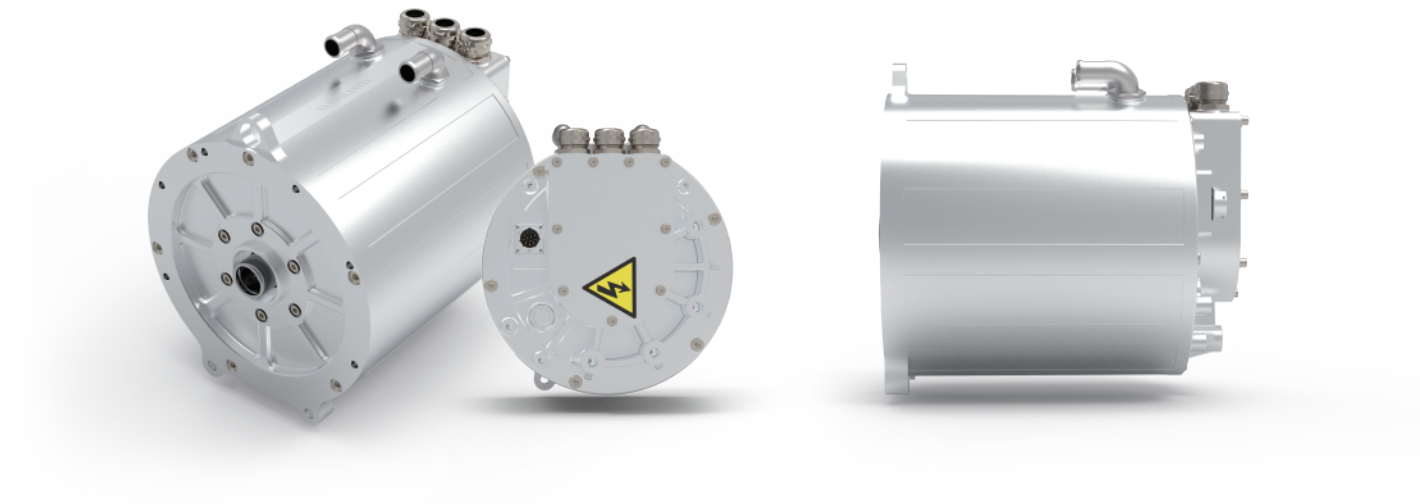


TECHNICAL SPECIFICATIONS

Rated power(KW)				45	Peak power (kW)	48
Rated speed(rpm)				6000	Peak speed (rpm)	6500
Rated torque(N.m)				71.6	Peak torque(N.m)	75.2
Rated voltage AC(V)				380	Rated current(Arms)	73
Rated DC bus voltage DC(V)				540	Maximum current(Arms)	79
Cooling water inlet temperature(℃)				≤65	Maximum speed corresponds to no-load Counter-Electromotive force (V)	NA
Cooling water flow rate(L/min)				≥12.0	Rated torque/power operating time(min)	NA
Maximum efficiency(%)				≥95.0%	Peak power duration(s)	60
Efficient zone(%)				≥90.0%	Peak torque duration(s)	30
Energy consumption(KW·H/KM)				NA	External dimensions	φ 233*305
Insulation level	■	H	□		System Working Noise(dB)	≤80
IP Grade	□	IP68	■	IP67	Number of pole pairs	4
Nameplate	■	Stan-dard	□	Customer specified	Working system	S1
Cooling Mode	□	Natura cooling	■	Water	Temperature sensor	PT100

Applicable types: Motor for the superstructure of a sanitation vehicle.

YYM01A 30(60)KW&220N.M&9000RPM&340V

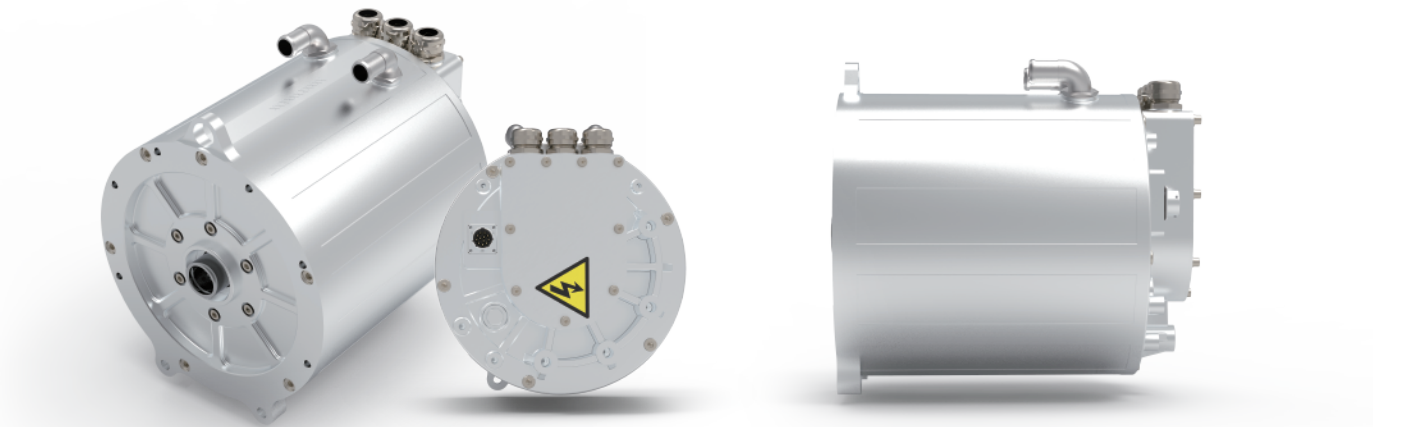


TECHNICAL SPECIFICATIONS

Rated power(KW)				30	Peak power (kW)		60	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				3180	Peak speed (rpm)		9000	Controller pins	Signal definition	Color
Rated torque(N.m)				90	Peak torque(N.m)		220	1	TEMP	Grey
Rated voltage AC(V)				240	Rated current(Arms)		126	2	GND	Purple
Rated DC bus voltage DC(V)				340	Maximum current(Arms)		295	6	block	brown
Minimum bus voltage for full power operation(V)				280	Maximum speed corresponds to no-load Counter-Electromotive force (V)		352	7	sin+	White
Working DC voltage range(V DC)				200~500	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		60	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ 255*212	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤45	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤65	Number of pole pairs	4	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)		≥15	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		20	Temperature sensor	PT100	

Applicable types: micro face/micro card/energy storage motor&supporting 450A main drive

YYM02A 50(100)KW&300N.M&12000RPM&336V

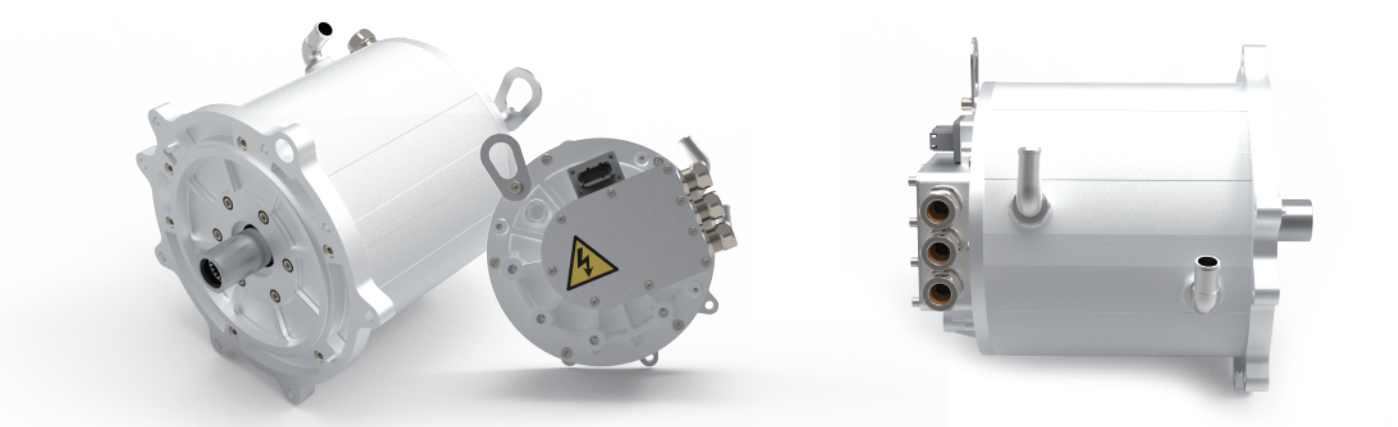


TECHNICAL SPECIFICATIONS

Rated power(KW)		50		Peak power (kW)		100		Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)		3650		Peak speed (rpm)		12000		Controller pins	Signal definition	Color
Rated torque(N.m)		130		Peak torque(N.m)		270		A	EXC+	Red
Rated voltage AC(V)		234		Rated current(Arms)		132		B	EXC-	Black
Rated DC bus voltage DC(V)		336		Maximum current(Arms)		276		C	sin+	White
Minimum bus voltage for full power operation(V)		260		Maximum speed corresponds to no-load Counter-Electromotive force (V)		552		D	sin-	Blue
Working DC voltage range(V DC)		200~450		Rated torque/power operating time(min)		NA		E	cos+	Yellow
Maximum efficiency(%)		≥96.5%		Peak power duration(s)		60		F	cos-	Green
Efficient zone(%)		≥90.0%		Peak torque duration(s)		30		G	TM1	Grey
Energy consumption(KW-H/KM)		NA		External dimensions		φ 255*234		H	GND1	Purple
Insulation level	☒	H	☐	Weight (kg)		≤50		J	block	Brown
IP Grade	☒	IP68	☐	IP67	Cooling water inlet temperature(°C)		≤65	Number of pole pairs	4	
Nameplate	☒	Standard	☐	Customer specified	Cooling water flow rate(L/min)		≥15	Resolver	YS J52XU9734-L4	
Cooling Mode	☒	Water	☐	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)		≤80		Outer diameter size of water nozzle(mm)		20		Temperature sensor	PT100	

Applicable types: micro face/light truck/sea lion/energy storage motor&supporting 450A main drive

YYM03A 50(110)KW&342N.M&12000RPM&336V

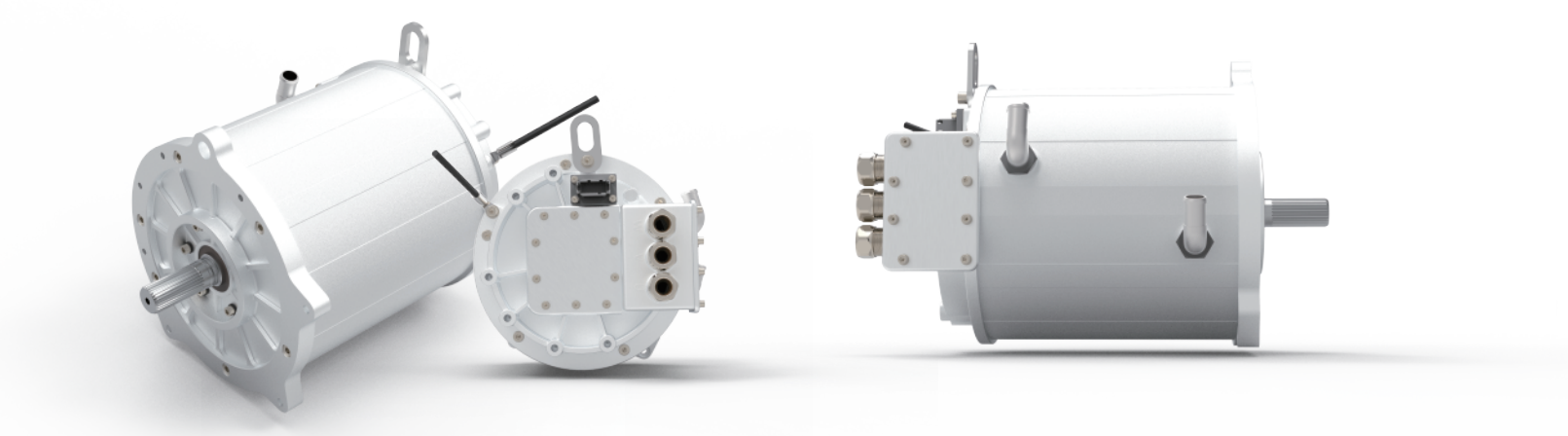


TECHNICAL SPECIFICATIONS

Rated power(KW)		50		Peak power (kW)		110		Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)		4000		Peak speed (rpm)		12000		Controller pins	Signal definition	Color
Rated torque(N.m)		120		Peak torque(N.m)		342		A	EXC+	Red
Rated voltage AC(V)		234		Rated current(Arms)		160		B	EXC-	Black
Rated DC bus voltage DC(V)		336		Maximum current(Arms)		310		C	sin+	White
Minimum bus voltage for full power operation(V)		260		Maximum speed corresponds to no-load Counter-Electromotive force (V)		660		D	sin-	Blue
Working DC voltage range(V DC)		200~450		Rated torque/power operating time(min)		NA		E	cos+	Yellow
Maximum efficiency(%)		≥96.5%		Peak power duration(s)		60		F	cos-	Green
Efficient zone(%)		≥90.0%		Peak torque duration(s)		30		G	TM1	Grey
Energy consumption(KW-H/KM)		NA		External dimensions		φ 255*256		H	GND1	Purple
Insulation level	☒	H	☐	Weight (kg)		≤60		J	block	Brown
IP Grade	☒	IP68	☐	IP67	Cooling water inlet temperature(°C)		≤65	Number of pole pairs	4	
Nameplate	☒	Standard	☐	Customer specified	Cooling water flow rate(L/min)		≥15	Resolver	YS J52XU9734-L4	
Cooling Mode	☒	Water	☐	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)		≤80		Outer diameter size of water nozzle(mm)		20		Temperature sensor	PT100	

Applicable types: Sea Lion/Light Passenger/Energy Storage Motor&Matched 450A Main Drive

YYM04A 60(130)KW&330N.M&12000RPM&540V

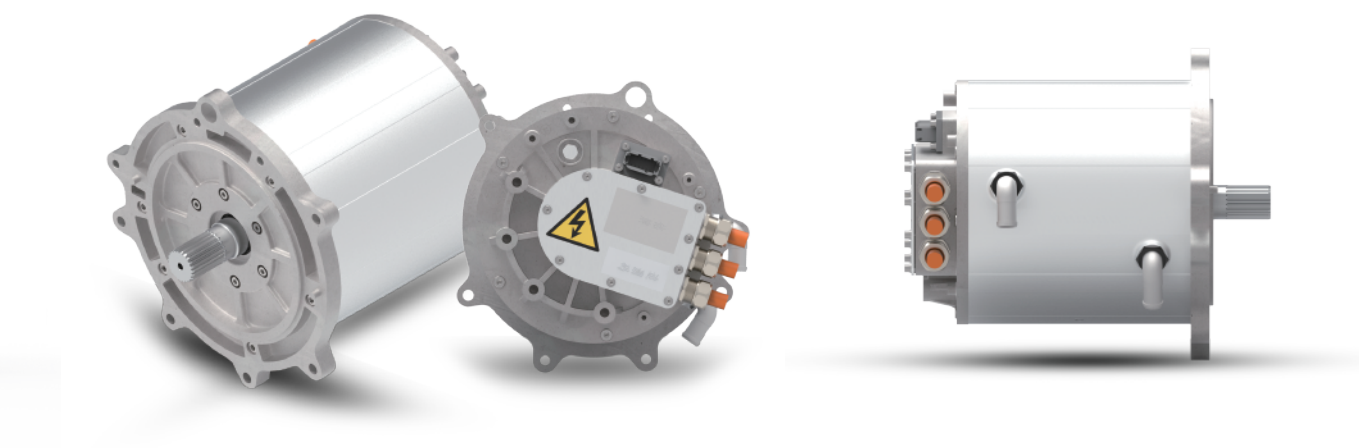


TECHNICAL SPECIFICATIONS

Rated power(KW)				60	Peak power (kW)		130	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				3700	Peak speed (rpm)		12000	Controller pins	Signal definition	Color
Rated torque(N.m)				155	Peak torque(N.m)		330	1	TEMP	Grey
Rated voltage AC(V)				380	Rated current(Arms)		150	2	GND	Purple
Rated DC bus voltage DC(V)				540	Maximum current(Arms)		300	6	block	brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		633	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		60	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ 255*264	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤55	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤65	Number of pole pairs	4	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)		≥15	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		20	Temperature sensor	PT100	

Applicable types: Sea Lion/Light Passenger/Energy Storage Motor&Matched 450A Main Drive.

YYM06A 60(80)KW&350N.M&4500RPM&540V

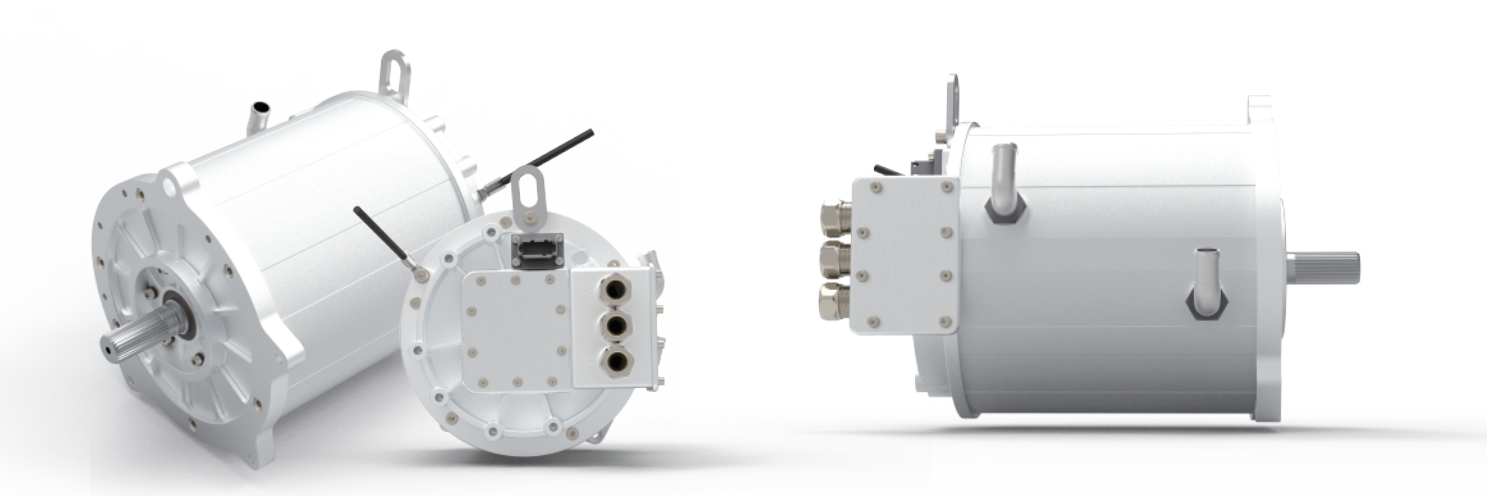


TECHNICAL SPECIFICATIONS

Rated power(KW)				60	Peak power (kW)		80	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				3300	Peak speed (rpm)		4500	Controller pins	Signal definition	Color
Rated torque(N.m)				173	Peak torque(N.m)		350	1	TEMP	Grey
Rated voltage AC(V)				382	Rated current(Arms)		150	2	GND	Purple
Rated DC bus voltage DC(V)				540	Maximum current(Arms)		300	6	block	brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		266	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		30	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		NA	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ 255*264	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤65	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤60	Number of pole pairs	4	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)		≥15	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	ET6Q104G2-11S019	

Applicable type: Electric motor installed on sanitation vehicles.

YYM07A 50(100)KW&270N.M&10500RPM&358V

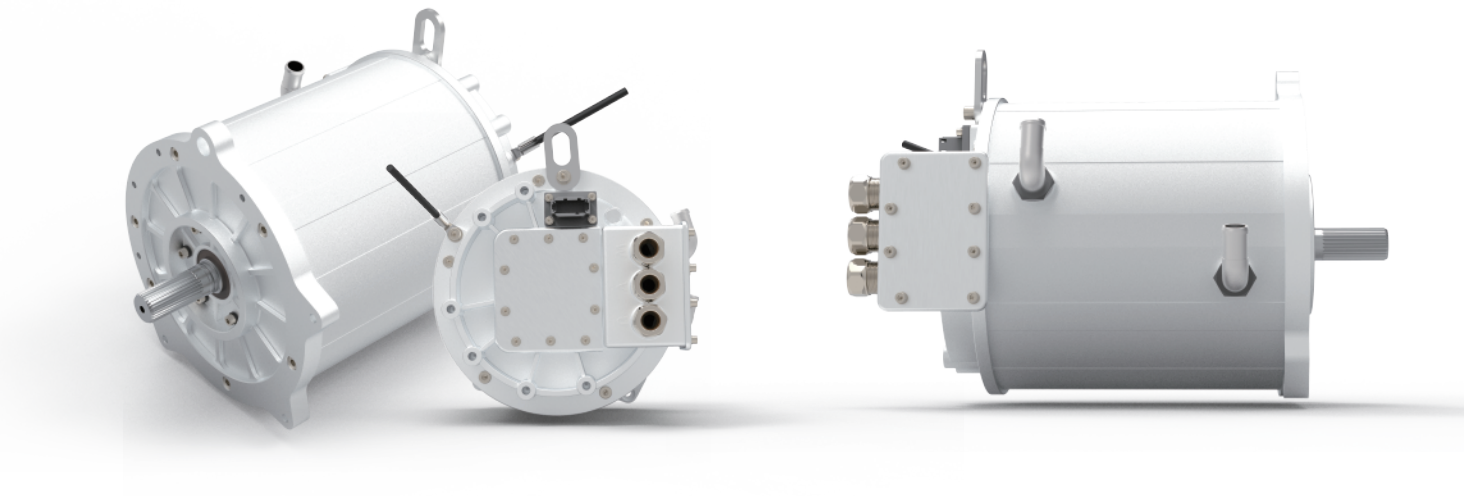


TECHNICAL SPECIFICATIONS

Rated power(KW)				50	Peak power (kW)		100	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				4800	Peak speed (rpm)		10500	Controller pins	Signal definition	Color
Rated torque(N.m)				106	Peak torque(N.m)		270	1	TEMP	Grey
Rated voltage AC(V)				253	Rated current(Arms)		170	2	GND	Purple
Rated DC bus voltage DC(V)				358	Maximum current(Arms)		380	6	block	brown
Minimum bus voltage for full power operation(V)				280	Maximum speed corresponds to no-load Counter-Electromotive force (V)		462	7	sin+	White
Working DC voltage range(V DC)				250~420	Rated torque/power operating time(min)		30	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		NA	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ 255*225	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤52	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤60	Number of pole pairs	4	
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)		≥15	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	PT100	

Applicable type: Light truck and light passenger drive motor

YYM10A 65(120)KW&350N.M&13000RPM&360V

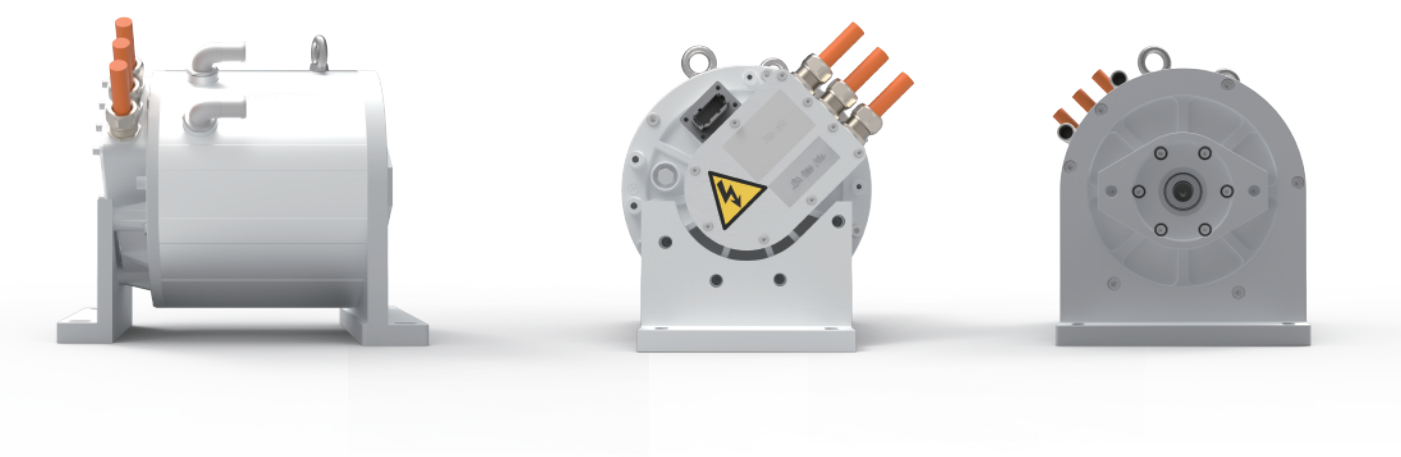


TECHNICAL SPECIFICATIONS

Rated power(KW)				65	Peak power (kW)		120	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				5000	Peak speed (rpm)		13000	Controller pins	Signal definition	Color
Rated torque(N.m)				124	Peak torque(N.m)		350	1	TEMP	Grey
Rated voltage AC(V)				255	Rated current(Arms)		200	2	GND	Purple
Rated DC bus voltage DC(V)				360	Maximum current(Arms)		480	6	block	Brown
Minimum bus voltage for full power operation(V)				260	Maximum speed corresponds to no-load Counter-Electromotive force (V)		468	7	sin+	White
Working DC voltage range(V DC)				260~430	Rated torque/power operating time(min)		30	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		NA	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ 255*294	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤70	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤60	Number of pole pairs	4	
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)		≥15	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	PT100	

Applicable type: Light truck and light passenger drive motor.

YYM16A 24(36)KW&180N.M&3000RPM&144V

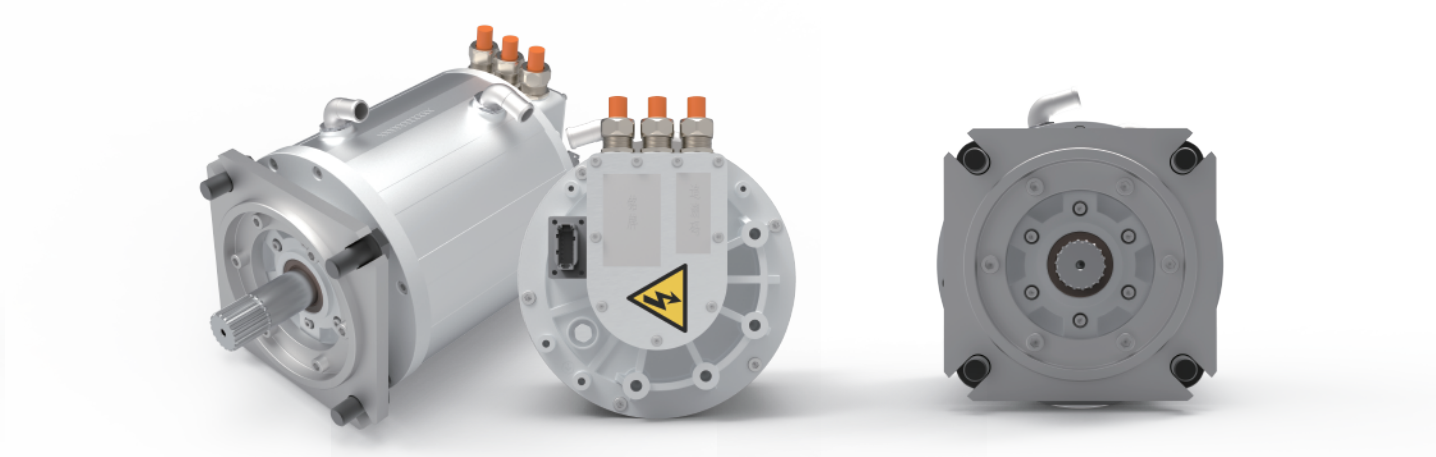


TECHNICAL SPECIFICATIONS

Rated power(KW)		24		Peak power (kW)		36		Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)		2000		Peak speed (rpm)		3000		Controller pins	Signal definition	Color
Rated torque(N.m)		115		Peak torque(N.m)		180		1	TEMP	Grey
Rated voltage AC(V)		102		Rated current(Arms)		170		2	GND	Purple
Rated DC bus voltage DC(V)		144		Maximum current(Arms)		260		6	block	brown
Minimum bus voltage for full power operation(V)		120		Maximum speed corresponds to no-load Counter-Electromotive force (V)		111		7	sin+	White
Working DC voltage range(V DC)		120~170		Rated torque/power operating time(min)		30		8	sin-	Blue
Maximum efficiency(%)		≥96.5%		Peak power duration(s)		30		9	cos+	Yellow
Efficient zone(%)		≥90.0%		Peak torque duration(s)		NA		10	cos-	Green
Energy consumption(KW·H/KM)		NA		External dimensions		φ 255*234		11	ref+	Red
Insulation level	■	H	□	Weight (kg)		≤47.2		12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤60	Number of pole pairs	4	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)		≥15	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)		≤80		Outer diameter size of water nozzle(mm)		20		Temperature sensor	PT100	

Applicable type: Oil pump motor

YYM17A 30(60)KW&350N.M&5000RPM&144V

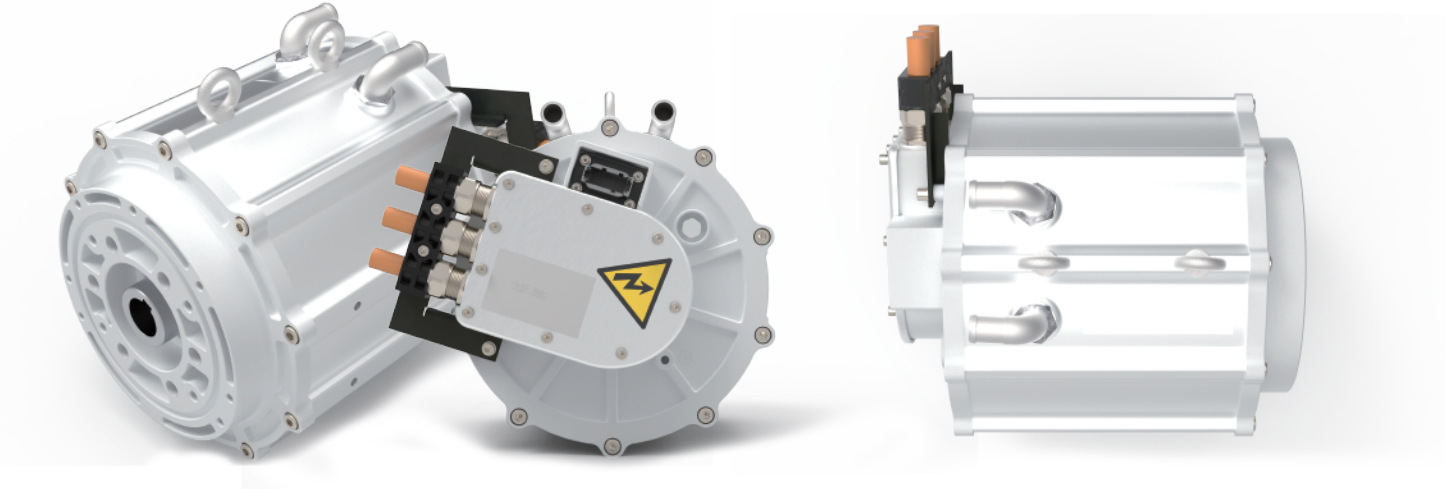


TECHNICAL SPECIFICATIONS

Rated power(KW)		30		Peak power (kW)		60		Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)		1790		Peak speed (rpm)		5000		Controller pins	Signal definition	Color
Rated torque(N.m)		160		Peak torque(N.m)		350		1	TEMP	Grey
Rated voltage AC(V)		102		Rated current(Arms)		220		2	GND	Purple
Rated DC bus voltage DC(V)		144		Maximum current(Arms)		460		6	block	Brown
Minimum bus voltage for full power operation(V)		120		Maximum speed corresponds to no-load Counter-Electromotive force (V)		190		7	sin+	White
Working DC voltage range(V DC)		120~170		Rated torque/power operating time(min)		30		8	sin-	Blue
Maximum efficiency(%)		≥96.5%		Peak power duration(s)		30		9	cos+	Yellow
Efficient zone(%)		≥90.0%		Peak torque duration(s)		NA		10	cos-	Green
Energy consumption(KW·H/KM)		NA		External dimensions		φ 255*277		11	ref+	Red
Insulation level	■	H	□	Weight (kg)		≤50.6		12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤60	Number of pole pairs	4	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)		≥15	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)		≤80		Outer diameter size of water nozzle(mm)		20		Temperature sensor	PT100	

Applicable type: Loader drive motor

YYM19A 30(45)KW&115N.M&4500RPM&540V

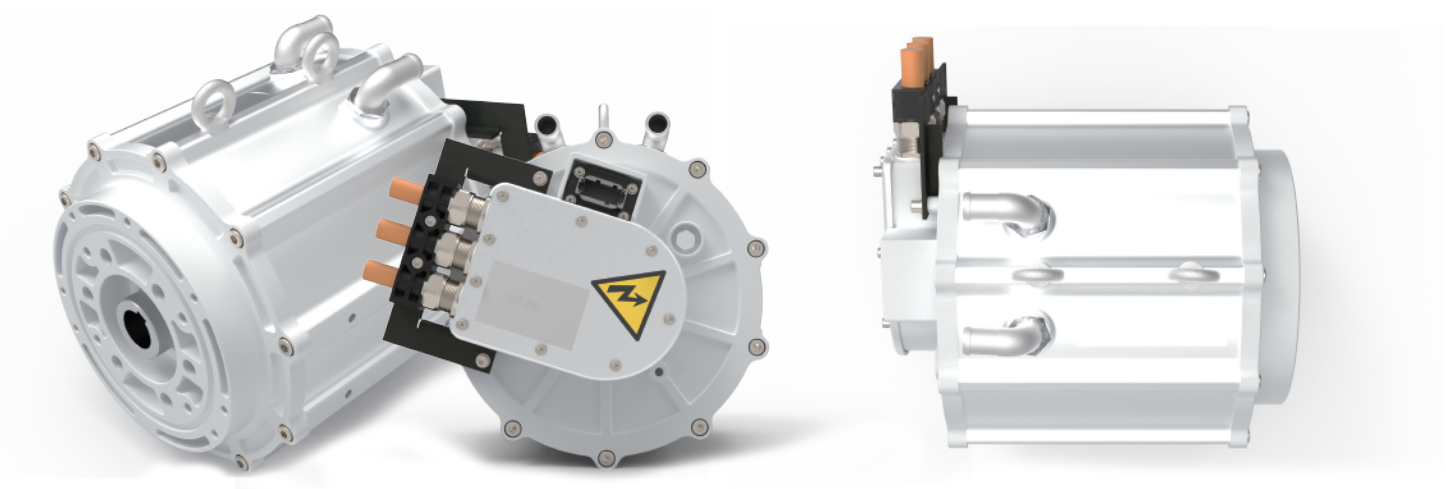


TECHNICAL SPECIFICATIONS

Rated power(KW)				30	Peak power (kW)		45	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				3000	Peak speed (rpm)		4500	Controller pins	Signal definition	Color
Rated torque(N.m)				95.5	Peak torque(N.m)		115	1	TEMP	Grey
Rated voltage AC(V)				380	Rated current(Arms)		80	2	GND	Purple
Rated DC bus voltage DC(V)				540	Maximum current(Arms)		92	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		74	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		30	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		NA	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ 286*271	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤51.0	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤60	Number of pole pairs	4	
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)		≥15	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		20	Temperature sensor	PT100	

Applicable type: Low pressure water pump motor

YYM20A 30(60)KW&191N.M&2250RPM&540V

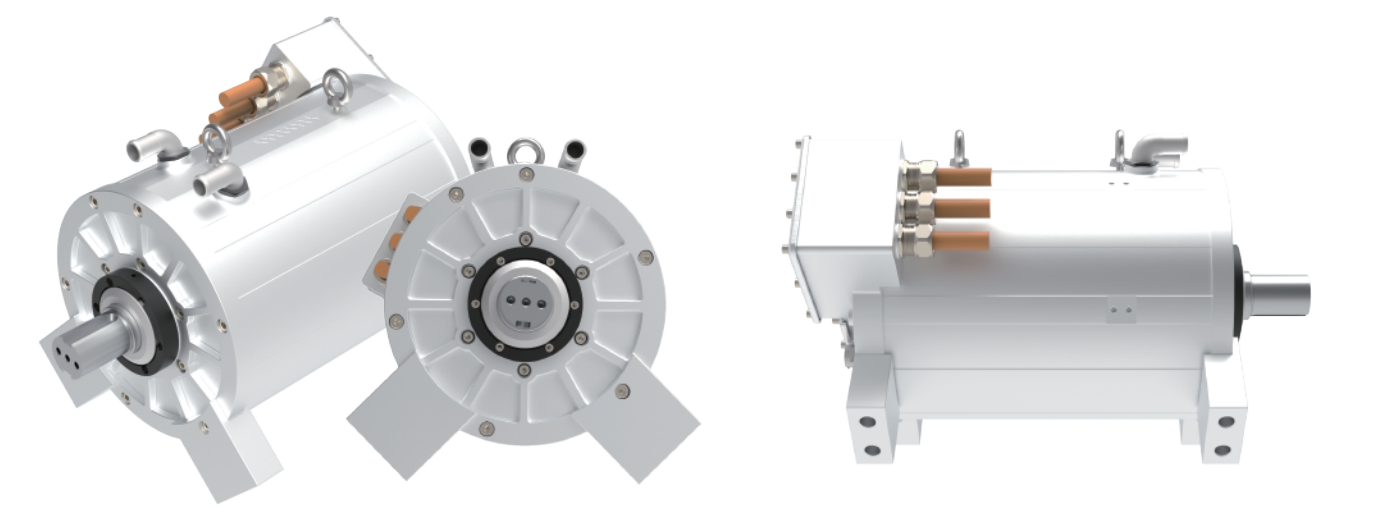


TECHNICAL SPECIFICATIONS

Rated power(KW)				30	Peak power (kW)		45	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1500	Peak speed (rpm)		2250	Controller pins	Signal definition	Color
Rated torque(N.m)				191	Peak torque(N.m)		191	1	TEMP	Grey
Rated voltage AC(V)				380	Rated current(Arms)		138	2	GND	Purple
Rated DC bus voltage DC(V)				540	Maximum current(Arms)		138	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		80.4	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		30	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		NA	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ 286*317.5	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤65.0	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤60	Number of pole pairs	4	
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)		≥15	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		20	Temperature sensor	PT100	

Applicable type: Oil pump motor

YYM21A 40(58)KW&500N.M&2500RPM&540V

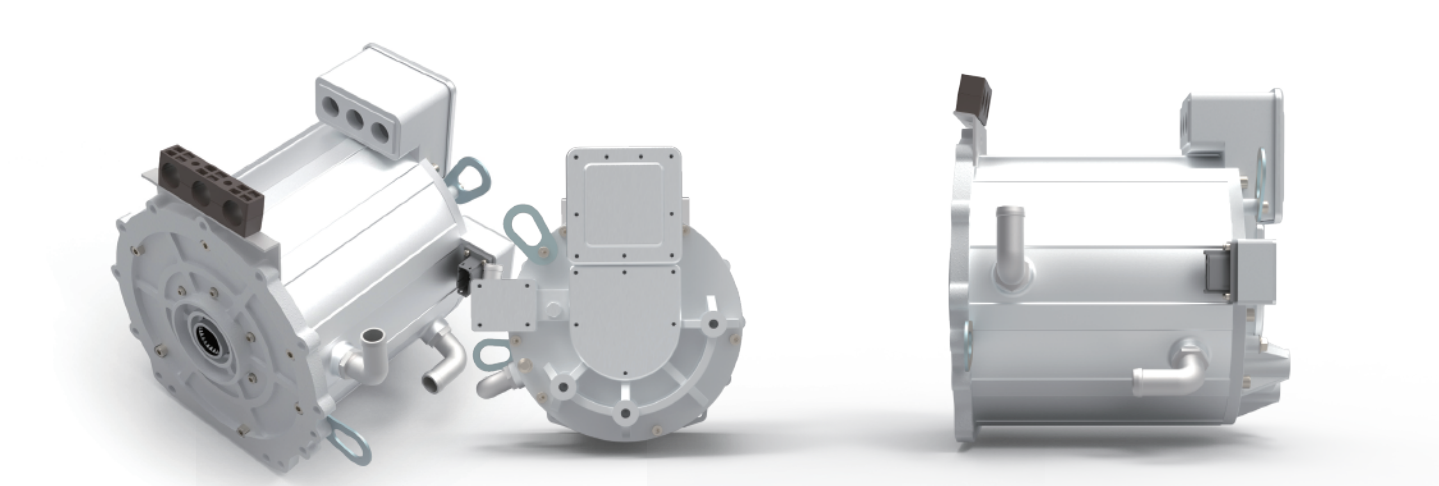


TECHNICAL SPECIFICATIONS

Rated power(KW)				40	Peak power (kW)	58	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1500	Peak speed (rpm)	2500	Controller pins	Signal definition	Color
Rated torque(N.m)				255	Peak torque(N.m)	500	1	TEMP	Grey
Rated voltage AC(V)				380	Rated current(Arms)	110	2	GND	Purple
Rated DC bus voltage DC(V)				540	Maximum current(Arms)	240	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)	347.5	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)	30	8	sin-	Blue
Maximum efficiency(%)				≥96.0%	Peak power duration(s)	30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)	NA	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions	φ 286*361	11	ref+	Red
Insulation level	■	H	□		Weight (kg)	≤78.0	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(℃)	≤60	Number of pole pairs	4	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)	≥15	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(℃)	-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)	20	Temperature sensor	PT100	

Applicable type: Sanitation vehicle motor

YYL01A 100(160)KW&600N.M&9000RPM&570V

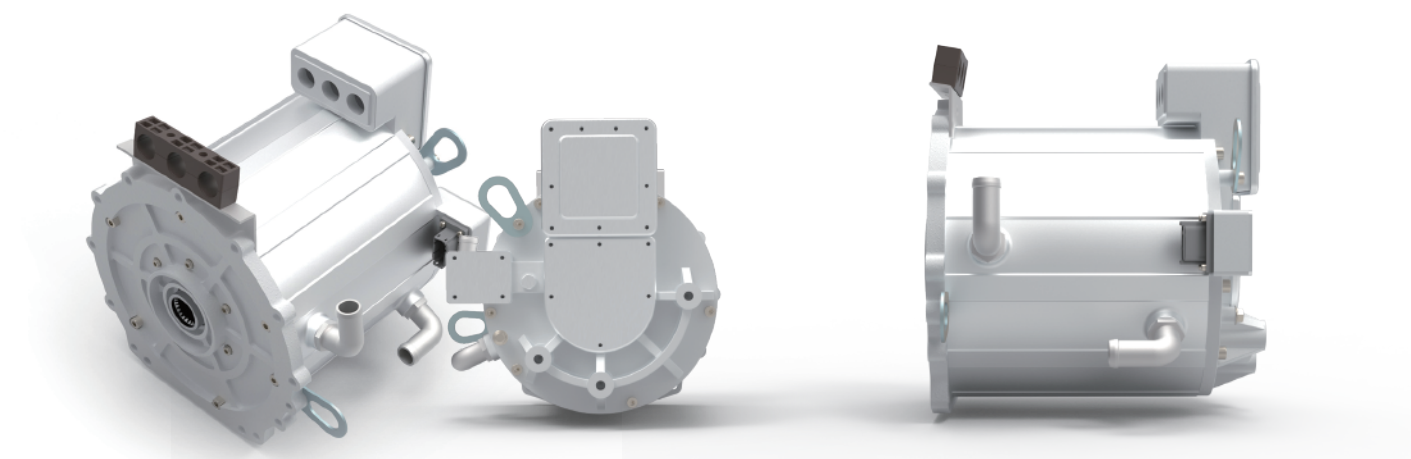


TECHNICAL SPECIFICATIONS

Rated power(KW)				100	Peak power (kW)		160	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				4500	Peak speed (rpm)		9000	Controller pins	Signal definition	Color
Rated torque(N.m)				213	Peak torque(N.m)		600	1	TEMP	Grey
Rated voltage AC(V)				403	Rated current(Arms)		160	2	GND	Purple
Rated DC bus voltage DC(V)				570	Maximum current(Arms)		410	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		658	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥96.0%	Peak power duration(s)		60	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ 275*276	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤ 72	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤ 65	Number of pole pairs	4	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)		≥ 15	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤ 80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	PT100	

Applicable type: 8-meter low chassis bus.

YYL02A 100(160)KW&640N.M&9000RPM&570V

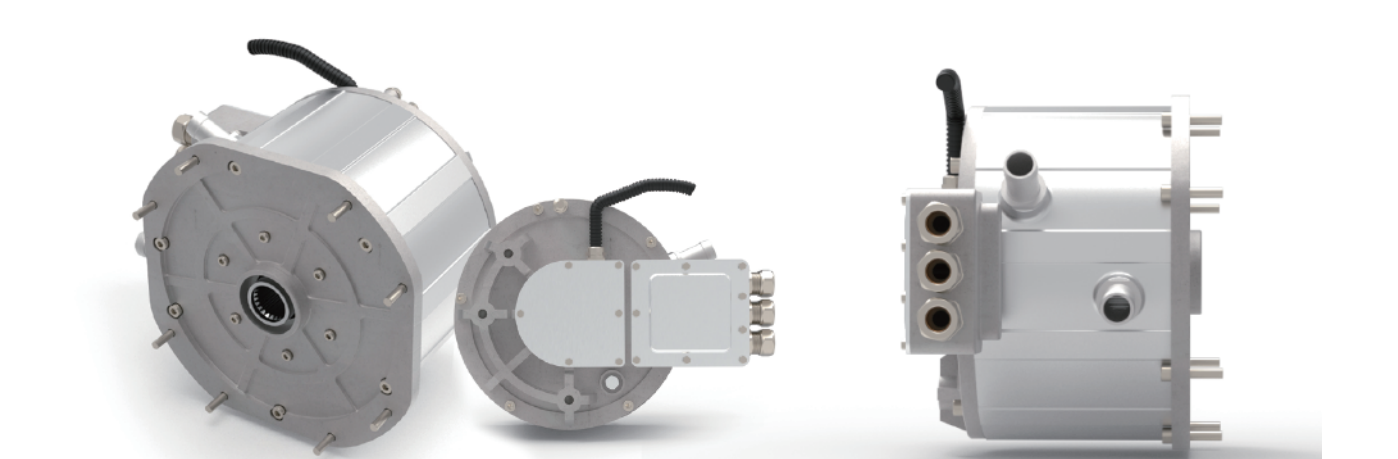


TECHNICAL SPECIFICATIONS

Rated power(KW)		100		Peak power (kW)		160		Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)		3200		Peak speed (rpm)		9000		Controller pins	Signal definition	Color
Rated torque(N.m)		300		Peak torque(N.m)		640		1	TEMP	Grey
Rated voltage AC(V)		400		Rated current(Arms)		190		2	GND	Purple
Rated DC bus voltage DC(V)		570		Maximum current(Arms)		400		6	block	Brown
Minimum bus voltage for full power operation(V)		400		Maximum speed corresponds to no-load Counter-Electromotive force (V)		732		7	sin+	White
Working DC voltage range(V DC)		400~750		Rated torque/power operating time(min)		NA		8	sin-	Blue
Maximum efficiency(%)		≥97.0%		Peak power duration(s)		30		9	cos+	Yellow
Efficient zone(%)		≥90.0%		Peak torque duration(s)		30		10	cos-	Green
Energy consumption(KW·H/KM)		NA		External dimensions		φ 275*274		11	ref+	Red
Insulation level	☒	H	☐	Weight (kg)		≤65		12	ref-	Black
IP Grade	☒	IP68	☐	IP67	Cooling water inlet temperature(°C)		≤55		Number of pole pairs	4
Nameplate	☒	Standard	☐	Customer specified	Cooling water flow rate(L/min)		≥25.0		Resolver	YS J52XU9734-L4
Cooling Mode	☒	Water	☐	Oil cooled	Operation Temperature Range(°C)		-40/+85		Working system	S9
System Working Noise(dB)		≤80		Outer diameter size of water nozzle(mm)		25		Temperature sensor	PT100	

Applicable type: 8-meter low floor bus rear axle motor.

YYL03A 40(80)KW&195N.M&4000RPM&350V

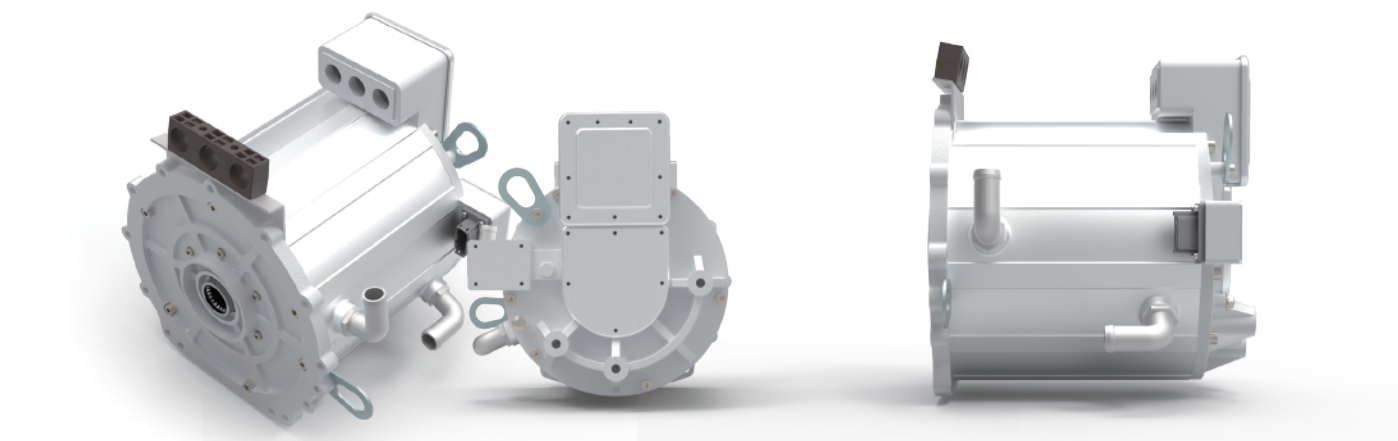


TECHNICAL SPECIFICATIONS

Rated power(KW)		40		Peak power (kW)		80		Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)		3000		Peak speed (rpm)		4000		Controller pins	Signal definition	Color
Rated torque(N.m)		127		Peak torque(N.m)		195		1	TEMP	Grey
Rated voltage AC(V)		248		Rated current(Arms)		132		2	GND	Purple
Rated DC bus voltage DC(V)		350		Maximum current(Arms)		300		6	block	Brown
Minimum bus voltage for full power operation(V)		400		Maximum speed corresponds to no-load Counter-Electromotive force (V)		490		7	sin+	White
Working DC voltage range(V DC)		250~450		Rated torque/power operating time(min)		NA		8	sin-	Blue
Maximum efficiency(%)		≥96.5%		Peak power duration(s)		60		9	cos+	Yellow
Efficient zone(%)		≥90.0%		Peak torque duration(s)		30		10	cos-	Green
Energy consumption(KW·H/KM)		NA		External dimensions		φ 275*182		11	ref+	Red
Insulation level	☒	H	☐	Weight (kg)		≤45		12	ref-	Black
IP Grade	☒	IP68	☐	IP67	Cooling water inlet temperature(°C)		≤65		Number of pole pairs	4
Nameplate	☒	Standard	☐	Customer specified	Cooling water flow rate(L/min)		≥15		Resolver	YS J52XU9734-L4
Cooling Mode	☒	Water	☐	Oil cooled	Operation Temperature Range(°C)		-40/+85		Working system	S9
System Working Noise(dB)		≤80		Outer diameter size of water nozzle(mm)		25		Temperature sensor	PT100	

Applicable type: Crawler tractor walking and power output motor

YYL04A 110(210)KW&640N.M&11000RPM&570V

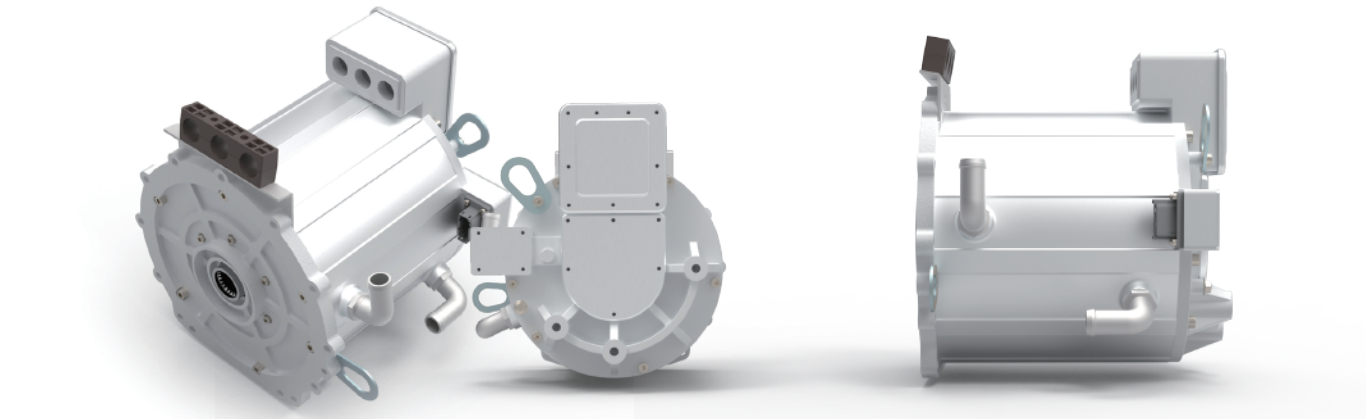


TECHNICAL SPECIFICATIONS

Rated power(KW)				110	Peak power (kW)				210	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				3183	Peak speed (rpm)				11000	Controller pins	Signal definition	Color
Rated torque(N.m)				330	Peak torque(N.m)				640	1	TEMP	Grey
Rated voltage AC(V)				403	Rated current(Arms)				280	2	GND	Purple
Rated DC bus voltage DC(V)				570	Maximum current(Arms)				540	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)				736	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)				NA	8	sin-	Blue
Maximum efficiency(%)				≥96.0%	Peak power duration(s)				30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)				30	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions				φ 275*371	11	ref+	Red
Insulation level	■	H	□		Weight (kg)				≤75	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)				≤65	Number of pole pairs	4	
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)				≥15	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)				-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)				25	Temperature sensor	PT1000	

Applicable type: 10 meter low floor road bus with integrated rear axle drive motor and supporting 800A main drive.

YYL06A 22(45)KW&400N.M&4000RPM&460V

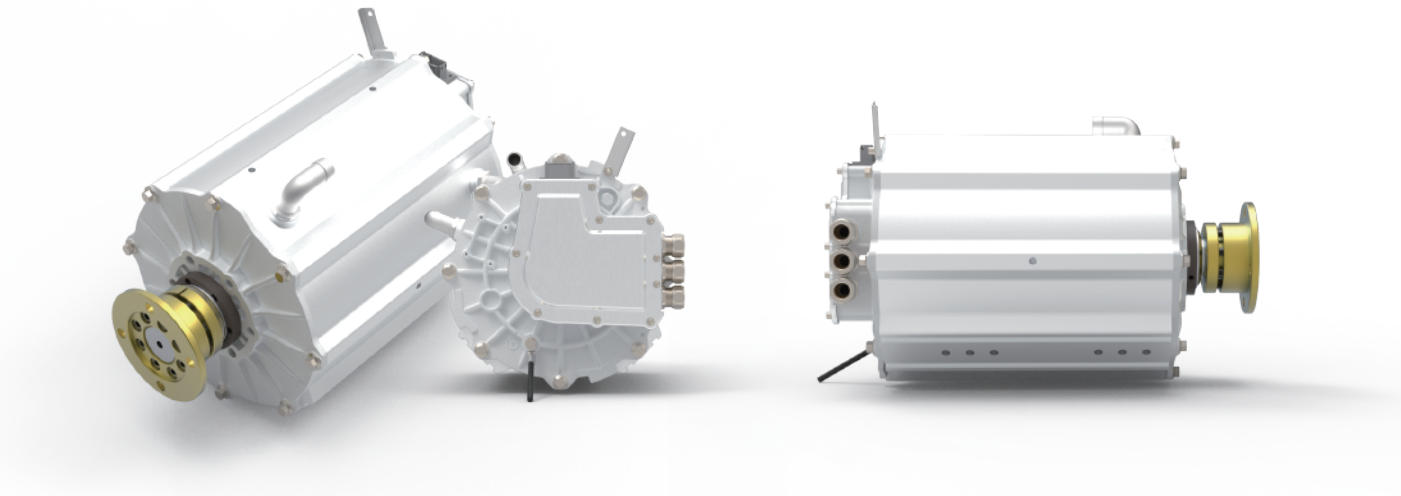


TECHNICAL SPECIFICATIONS

Rated power(KW)				22	Peak power (kW)				45	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				700	Peak speed (rpm)				4000	Controller pins	Signal definition	Color
Rated torque(N.m)				300	Peak torque(N.m)				400	1	TEMP	Grey
Rated voltage AC(V)				325	Rated current(Arms)				290	2	GND	Purple
Rated DC bus voltage DC(V)				460	Maximum current(Arms)				380	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)				268	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)				NA	8	sin-	Blue
Maximum efficiency(%)				≥96.0%	Peak power duration(s)				30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)				30	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions				φ 275*292	11	ref+	Red
Insulation level	■	H	□		Weight (kg)				≤111	12	ref-	Black
IP Grade	□	IP68	■	IP67	Cooling water inlet temperature(°C)				≤55	Number of pole pairs	4	
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)				≥25	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)				-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)				25	Temperature sensor	PT100	

Applicable type: Technical parameters of the front drive motor of the traction sand covering machine&supporting 600A main drive.

YYN01A 50(100)KW&955N.M&3000RPM&540V

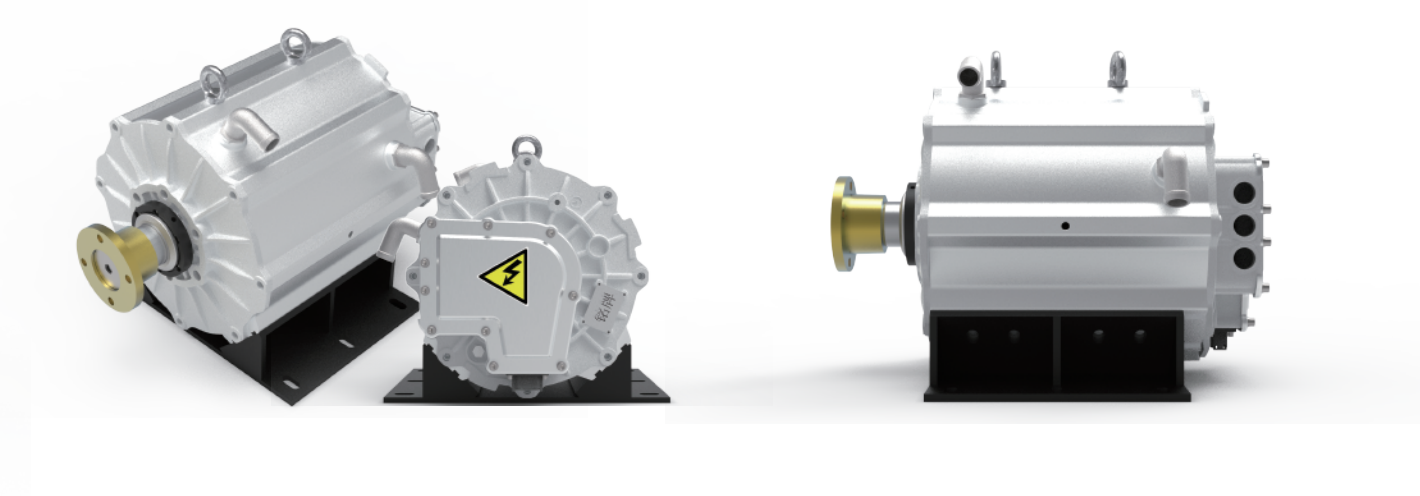


TECHNICAL SPECIFICATIONS

Rated power(KW)				50	Peak power (kW)		100	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1200	Peak speed (rpm)		3000	Controller pins	Signal definition	Color
Rated torque(N.m)				398	Peak torque(N.m)		955	1	TEMP	Grey
Rated voltage AC(V)				380	Rated current(Arms)		150	2	GND	Purple
Rated DC bus voltage DC(V)				540	Maximum current(Arms)		400	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		414	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥94.5%	Peak power duration(s)		60	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW·H/KM)				0.37	External dimensions		φ 326*336	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤105.0	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(℃)		≤65	Number of pole pairs	4	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)		≥15	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(℃)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	ET6Q104G2-11S019	

Applicable types: 6.5-meter buses, school buses, sightseeing buses&supporting 600A main drive.

YYN05A 50(70)KW&500N.M&2500RPM&540V

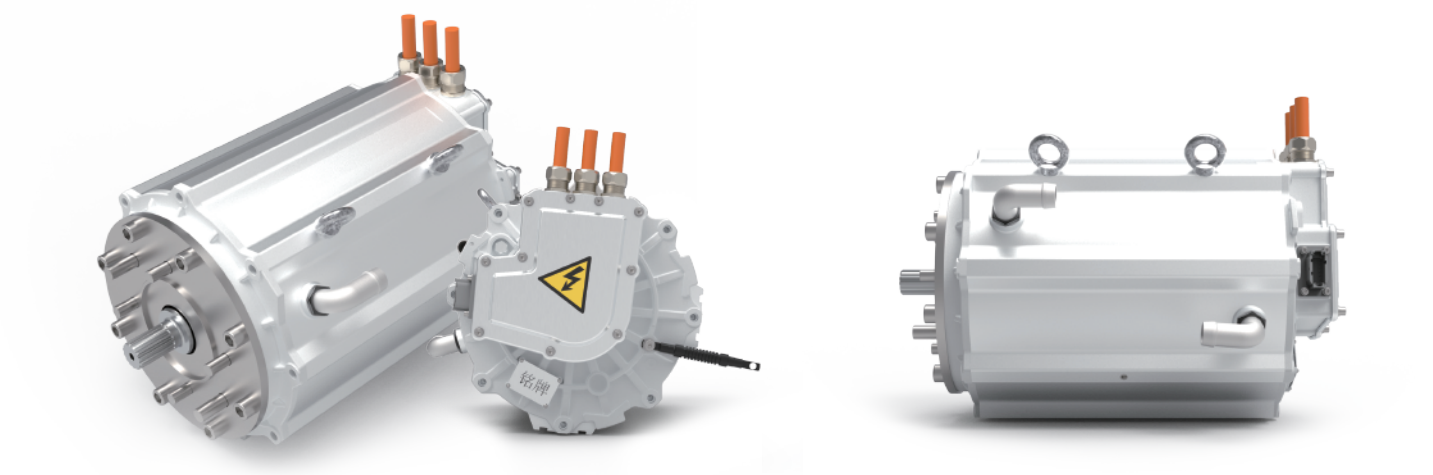


TECHNICAL SPECIFICATIONS

Rated power(KW)				50	Peak power (kW)		70	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1800	Peak speed (rpm)		2500	Controller pins	Signal definition	Color
Rated torque(N.m)				265	Peak torque(N.m)		500	1	TEMP	Grey
Rated voltage AC(V)				382	Rated current(Arms)		150	2	GND	Purple
Rated DC bus voltage DC(V)				540	Maximum current(Arms)		270	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		285	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		30	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		NA	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ 326*318	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤103.0	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(℃)		≤60	Number of pole pairs	4	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)		≥ 15	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(℃)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	ET6Q104G2-11S019	

Applicable type: Electric motor installed on sanitation vehicles.

YYN06A 50(70)KW&750N.M&2000RPM&540V

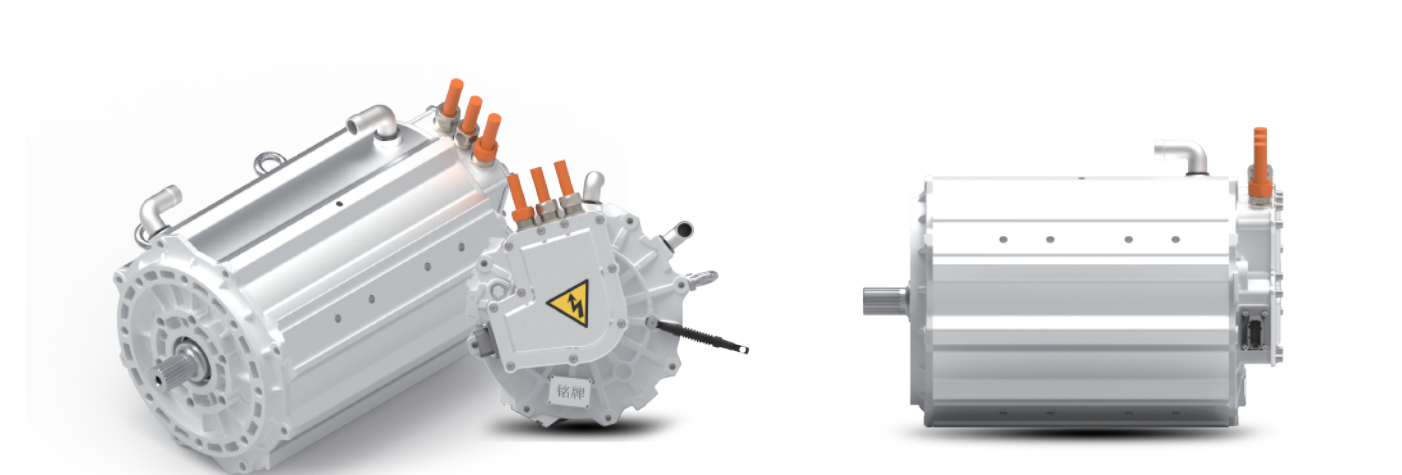


TECHNICAL SPECIFICATIONS

Rated power(KW)		50	Peak power (kW)	70	Definition of Rotary Transformer Interface Signal			
Rated speed(rpm)		1000	Peak speed (rpm)	2000	Controller pins	Signal definition	Color	
Rated torque(N.m)		478	Peak torque(N.m)	750	1	TEMP	Grey	
Rated voltage AC(V)		380	Rated current(Arms)	190	2	GND	Purple	
Rated DC bus voltage DC(V)		540	Maximum current(Arms)	300	6	block	brown	
Minimum bus voltage for full power operation(V)		400	Maximum speed corresponds to no-load Counter-Electromotive force (V)	316	7	sin+	White	
Working DC voltage range(V DC)		400~750	Rated torque/power operating time(min)	30	8	sin-	Blue	
Maximum efficiency(%)		≥96.5%	Peak power duration(s)	30	9	cos+	Yellow	
Efficient zone(%)		≥90.0%	Peak torque duration(s)	NA	10	cos-	Green	
Energy consumption(KW-H/KM)		NA	External dimensions	φ 326*390	11	ref+	Red	
Insulation level	■	H	□	Weight (kg)	≤103.0	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)	≤60	Number of pole pairs	4
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)	≥ 15	Resolver	YS J52XU9734-L4
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)	-40/+85	Working system	S9
System Working Noise(dB)		≤80	Outer diameter size of water nozzle(mm)	25	Temperature sensor	ET6Q104G2-11S019		

Applicable type: Electric motor installed on sanitation vehicles.

YYN07A 120(150)KW&500N.M&4500RPM&540V

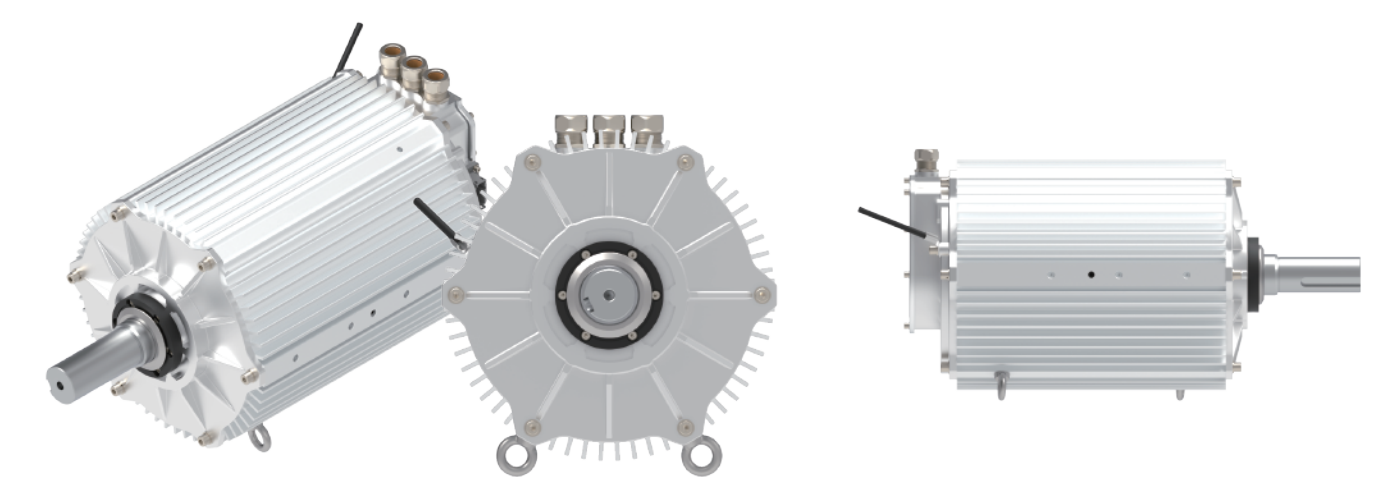


TECHNICAL SPECIFICATIONS

Rated power(KW)		120	Peak power (kW)	150	Definition of Rotary Transformer Interface Signal			
Rated speed(rpm)		3000	Peak speed (rpm)	4500	Controller pins	Signal definition	Color	
Rated torque(N.m)		382	Peak torque(N.m)	500	1	TEMP	Grey	
Rated voltage AC(V)		382	Rated current(Arms)	230	2	GND	Purple	
Rated DC bus voltage DC(V)		540	Maximum current(Arms)	300	6	block	Brown	
Minimum bus voltage for full power operation(V)		400	Maximum speed corresponds to no-load Counter-Electromotive force (V)	396	7	sin+	White	
Working DC voltage range(V DC)		400~750	Rated torque/power operating time(min)	60	8	sin-	Blue	
Maximum efficiency(%)		≥96.5%	Peak power duration(s)	60	9	cos+	Yellow	
Efficient zone(%)		≥90.0%	Peak torque duration(s)	NA	10	cos-	Green	
Energy consumption(KW-H/KM)		NA	External dimensions	φ 326*424	11	ref+	Red	
Insulation level	■	H	□	Weight (kg)	≤119.7	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)	≤60	Number of pole pairs	4
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)	≥ 15	Resolver	YS J52XU9734-L4
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)	-40/+85	Working system	S9
System Working Noise(dB)		≤80	Outer diameter size of water nozzle(mm)	25	Temperature sensor	ET6Q104G2-11S019		

Applicable type: Electric motor installed on sanitation vehicles.

YYN10A 40(50)KW&300N.M&1591RPM&540V

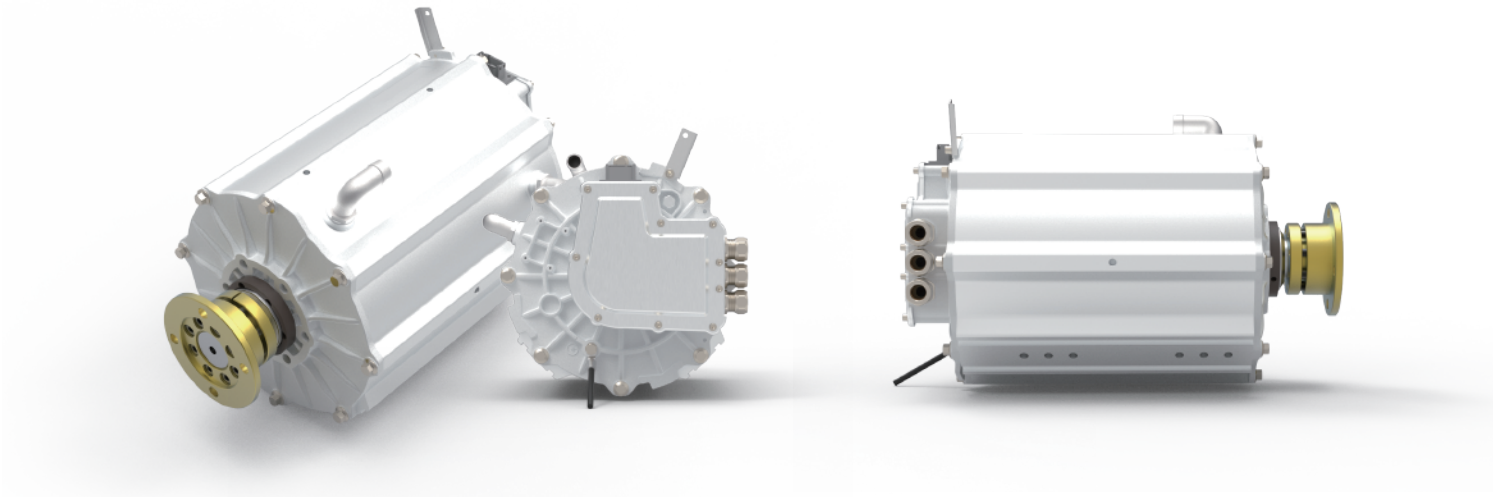


TECHNICAL SPECIFICATIONS

Rated power(KW)				40	Peak power (kW)	50	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1500	Peak speed (rpm)	1591	Controller pins	Signal definition	Color
Rated torque(N.m)				255	Peak torque(N.m)	300	1	TEMP	Grey
Rated voltage AC(V)				380	Rated current(Arms)	180	2	GND	Purple
Rated DC bus voltage DC(V)				540	Maximum current(Arms)	210	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)	121	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)	30	8	sin-	Blue
Maximum efficiency(%)				≥96.0%	Peak power duration(s)	30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)	NA	10	cos-	Green
Energy consumption(KW-H/KM)				NA	External dimensions	φ 306*449	11	ref+	Red
Insulation level	■	H	□		Weight (kg)	≤100.0	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)	≤60	Number of pole pairs	4	
Nameplate	■	Standard	□	Customer specified	Operation Temperature Range(°C)	-40/+50	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Natural cooling	□	Water	Outer diameter size of water nozzle(mm)	20	Temperature sensor	ET6Q104G2-11S019	
System Working Noise(dB)				≤80	Working system	S9			

Applicable type: Electric motor installed on sanitation vehicles.

YYQ01A 60(120)KW&1200N.M&3000RPM&540V

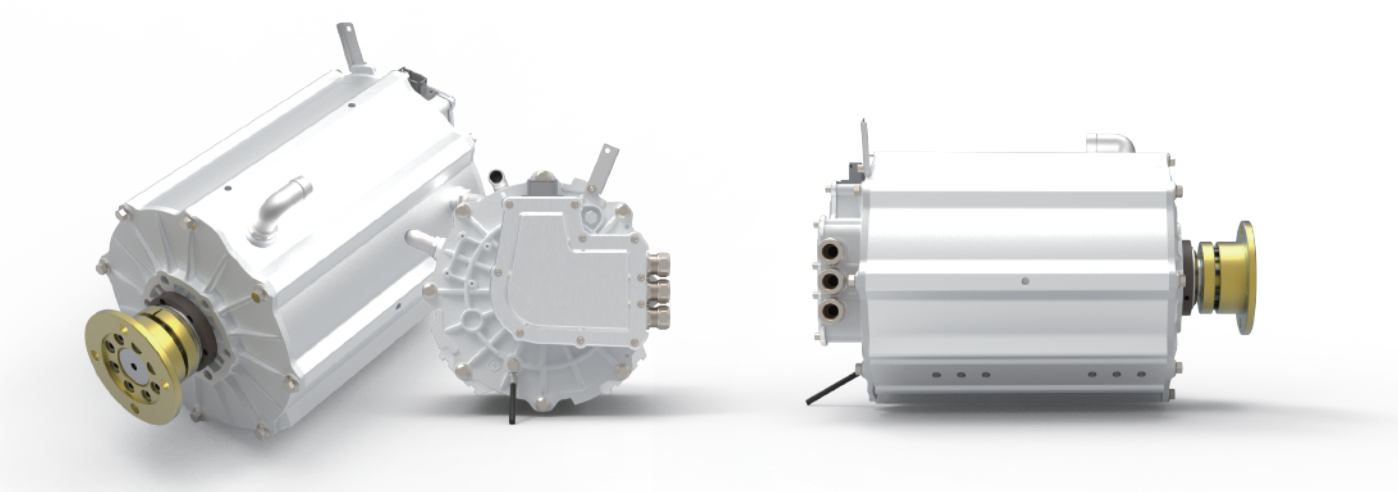


TECHNICAL SPECIFICATIONS

Rated power(KW)		60	Peak power (kW)		120	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)		1200	Peak speed (rpm)		3000	Controller pins	Signal definition	Color
Rated torque(N.m)		477	Peak torque(N.m)		1200	1	TEMP	Grey
Rated voltage AC(V)		380	Rated current(Arms)		130	2	GND	Purple
Rated DC bus voltage DC(V)		540	Maximum current(Arms)		380	6	block	Brown
Minimum bus voltage for full power operation(V)		400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		570	7	sin+	White
Working DC voltage range(V DC)		400~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)		≥95.0%	Peak power duration(s)		60	9	cos+	Yellow
Efficient zone(%)		≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW·H/KM)		0.42	External dimensions		φ 326*376	11	ref+	Red
Insulation level	☒ H ☐		Weight (kg)		≤127.0	12	ref-	Black
IP Grade	☒ IP68 ☐	IP67	Cooling water inlet temperature(°C)		≤65	Number of pole pairs	4	
Nameplate	☒ Standard ☐	Customer specified	Cooling water flow rate(L/min)		≥15	Resolver	YS J52XU9734-L4	
Cooling Mode	☒ Water ☐	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)		≤80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	ET6Q104G2-11S019	

Applicable types: 6.5-meter buses, school buses, sightseeing buses&supporting 600A main drive.

YYH01A 60(110)KW&950N.M&4500RPM&358V

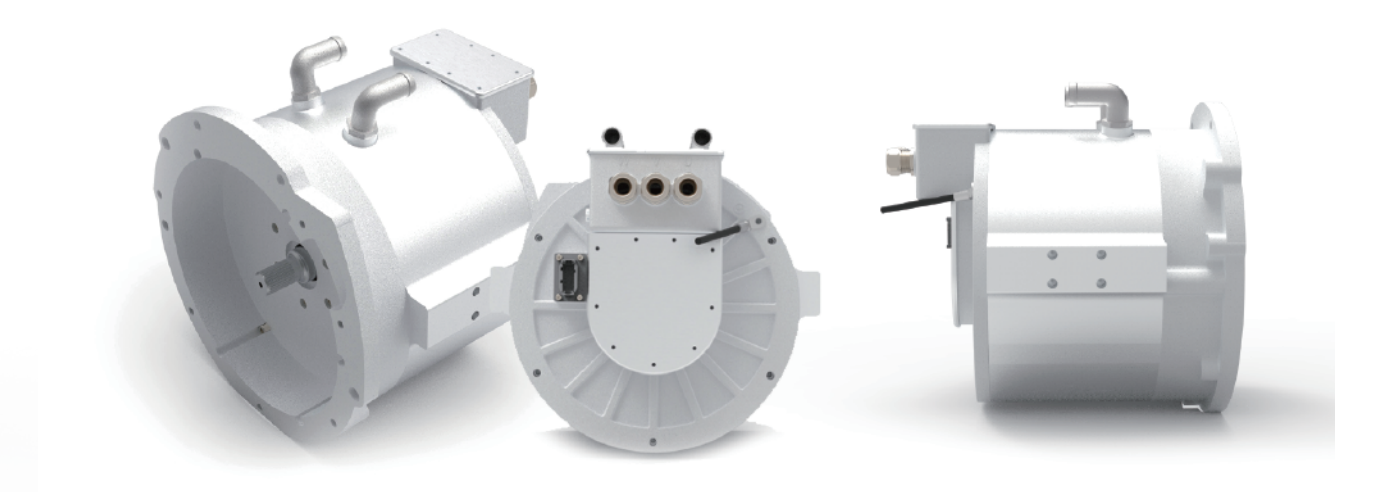


TECHNICAL SPECIFICATIONS

Rated power(KW)				60	Peak power (kW)		110	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1500	Peak speed (rpm)		4500	Controller pins	Signal definition	Color
Rated torque(N.m)				382	Peak torque(N.m)		950	1	TEMP	Grey
Rated voltage AC(V)				253	Rated current(Arms)		195	2	GND	Purple
Rated DC bus voltage DC(V)				358	Maximum current(Arms)		490	6	block	brown
Minimum bus voltage for full power operation(V)				358	Maximum speed corresponds to no-load Counter-Electromotive force (V)		454.5	7	sin+	White
Working DC voltage range(V DC)				200~550	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥95.0%	Peak power duration(s)		60	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW·H/KM)				0.42	External dimensions		φ 326*378	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤127.0	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤65	Number of pole pairs	4	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)		≥ 15	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	ET6Q104G2-11S019	

Applicable types: light truck, light passenger&supporting 600A main drive.

YYR01A 105(150)KW&300N.M&6000RPM&520V

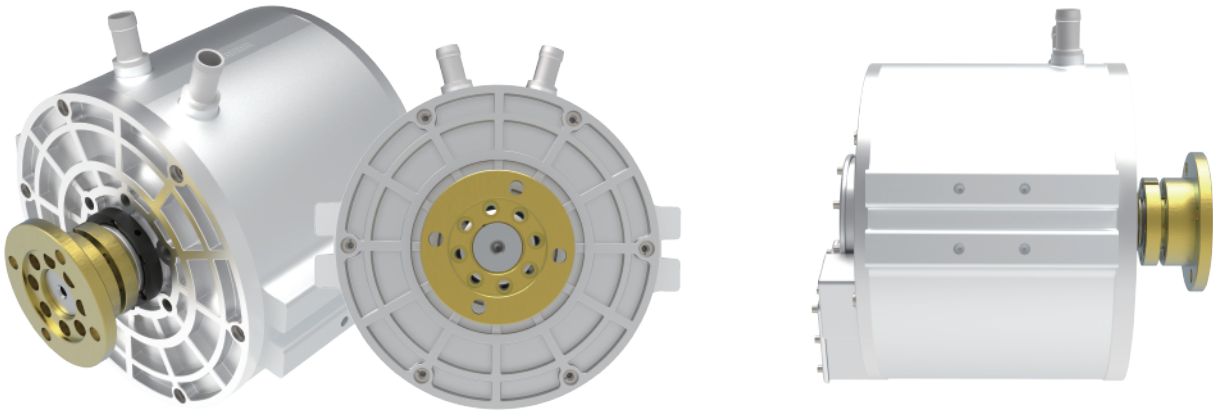


TECHNICAL SPECIFICATIONS

Rated power(KW)				105	Peak power (kW)		150	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				4000	Peak speed (rpm)		6000	Controller pins	Signal definition	Color
Rated torque(N.m)				251	Peak torque(N.m)		300	1	TEMP	Grey
Rated voltage AC(V)				368	Rated current(Arms)		280	2	GND	Purple
Rated DC bus voltage DC(V)				520	Maximum current(Arms)		380	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		288	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		60	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ 336*283	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤76	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(℃)		≤65	Number of pole pairs	4	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)		≥ 15	Resolver	YS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(℃)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	PT100	

Applicable type: Bus extended range engine.

YYR02A 105(150)KW&300N.M&6000RPM&540V

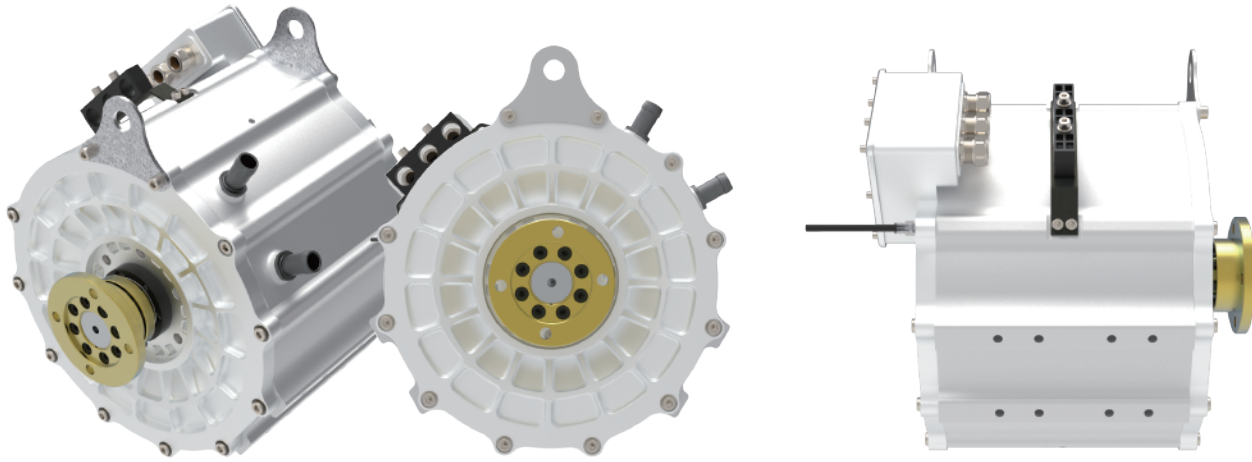


TECHNICAL SPECIFICATIONS

Rated power(KW)				105	Peak power (kW)		150	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				4000	Peak speed (rpm)		6000	Controller pins	Signal definition	Color
Rated torque(N.m)				251	Peak torque(N.m)		300	1	TEMP	Grey
Rated voltage AC(V)				380	Rated current(Arms)		220	2	GND	Purple
Rated DC bus voltage DC(V)				540	Maximum current(Arms)		300	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		420	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		60	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW·H/KM)				0.50	External dimensions		φ 396*266	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤ 112.7	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤ 60	Number of pole pairs	4	
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)		≥ 30	Resolver	VS J52XU9734-L4	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	PT-100	

Applicable type: 8.5-meter bus&supporting 600A main drive.

YYT01A 80(150)KW&1500N.M&3000RPM&540V



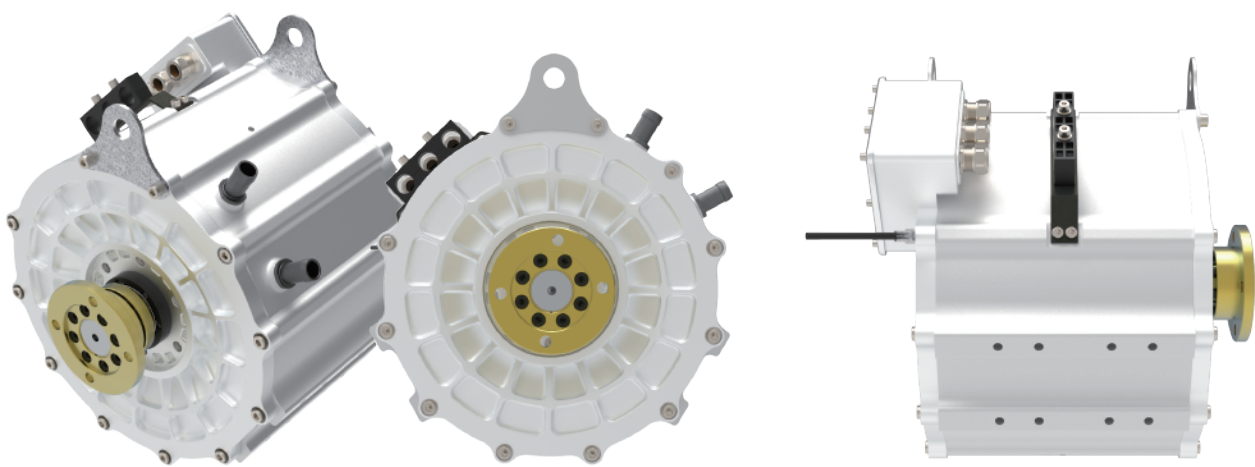
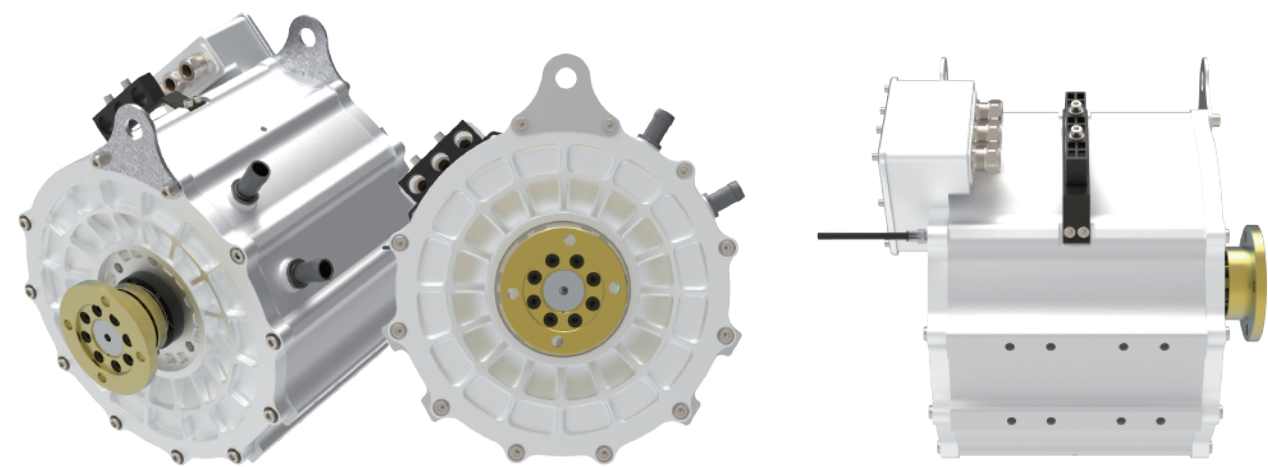
TECHNICAL SPECIFICATIONS

Rated power(KW)				80	Peak power (kW)		150	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1200	Peak speed (rpm)		3000	Controller pins	Signal definition	Color
Rated torque(N.m)				636	Peak torque(N.m)		1500	1	TEMP	Grey
Rated voltage AC(V)				380	Rated current(Arms)		160	2	GND	Purple
Rated DC bus voltage DC(V)				540	Maximum current(Arms)		400	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		680	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		60	9	cos+	Yellow
Efficient zone(%)				≥90.7%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW-H/KM)				0.50	External dimensions		φ 446*330	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤ 150	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤ 65	Number of pole pairs	6	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)		≥ 30			
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	ET6Q104G2 -11S019	

Applicable type: 8.5-meter bus&supporting 600A main drive.

YYT02A 80(180)KW&1800N.M&3000RPM&540V

YYT03A 120(185)KW&1000N.M&3500RPM&900V



TECHNICAL SPECIFICATIONS

Rated power(KW)				80	Peak power (kW)		180	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1200	Peak speed (rpm)		3000	Controller pins	Signal definition	Color
Rated torque(N.m)				636	Peak torque(N.m)		1800	1	TEMP	Grey
Rated voltage AC(V)				380	Rated current(Arms)		150	2	GND	Purple
Rated DC bus voltage DC(V)				540	Maximum current(Arms)		400	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		690	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		60	9	cos+	Yellow
Efficient zone(%)				≥90.4%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW·H/KM)				0.53	External dimensions		φ 446*356	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤170.0	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤ 65	Number of pole pairs	6	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)		≥ 30	Resolver	YS J52XU9736	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	ET6Q104G2-11S019	

Applicable type: 8.5-meter bus&supporting 600A main drive.

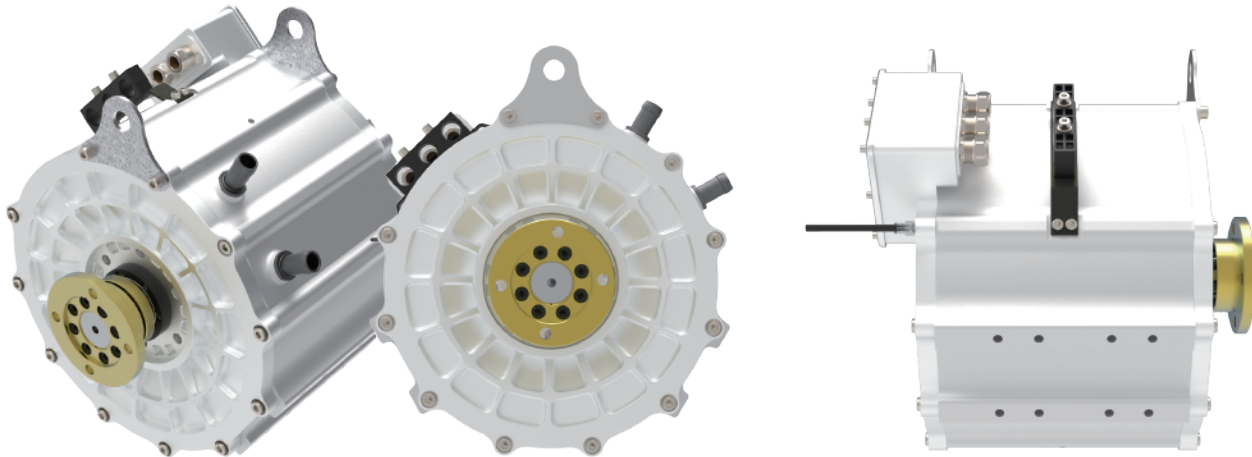
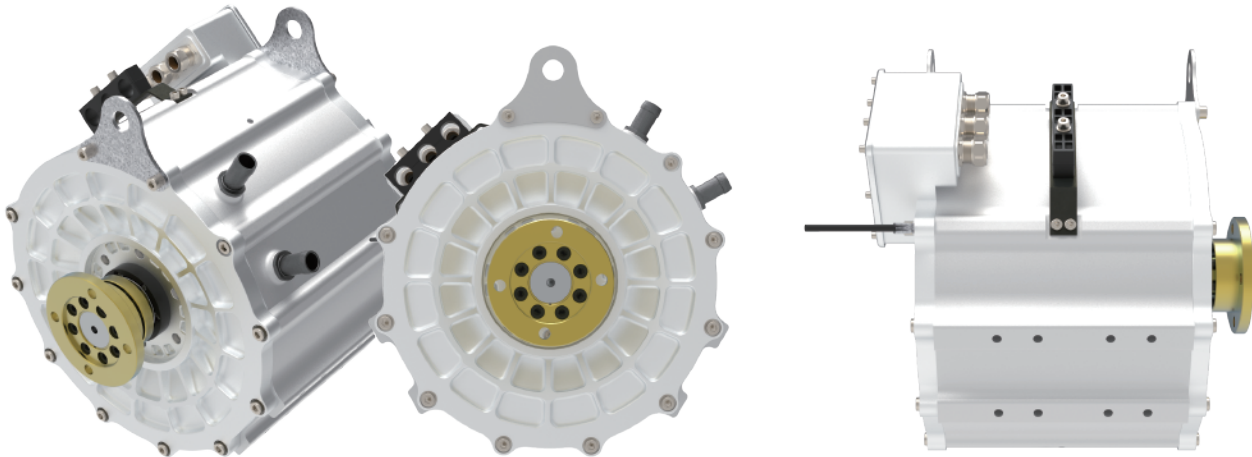
TECHNICAL SPECIFICATIONS

Rated power(KW)				120	Peak power (kW)		185	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1910	Peak speed (rpm)		3500	Controller pins	Signal definition	Color
Rated torque(N.m)				600	Peak torque(N.m)		1000	1	TEMP	Grey
Rated voltage AC(V)				636	Rated current(Arms)		210	2	GND	Purple
Rated DC bus voltage DC(V)				900	Maximum current(Arms)		340	6	block	Brown
Minimum bus voltage for full power operation(V)				720	Maximum speed corresponds to no-load Counter-Electromotive force (V)		644	7	sin+	White
Working DC voltage range(V DC)				720~1000	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥95.0%	Peak power duration(s)		30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ 446*356	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤170	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤55	Number of pole pairs	6	
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)		≥30	Resolver	YS J52XU9736	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	PT-100	

Applicable type: Oilfield equipment motor&supporting 900A main drive.

YYT04A 44(80)KW&1000N.M&3500RPM&540V

YYT05A 105(180)KW&1000N.M&2500RPM&618V



TECHNICAL SPECIFICATIONS

Rated power(KW)		Peak power (kW)		Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)		Peak speed (rpm)		Controller pins	Signal definition	Color
Rated torque(N.m)		Peak torque(N.m)		1	TEMP	Grey
Rated voltage AC(V)		Rated current(Arms)		2	GND	Purple
Rated DC bus voltage DC(V)		Maximum current(Arms)		6	block	Brown
Minimum bus voltage for full power operation(V)		Maximum speed corresponds to no-load Counter-Electromotive force (V)		7	sin+	White
Working DC voltage range(V DC)		Rated torque/power operating time(min)		8	sin-	Blue
Maximum efficiency(%)		Peak power duration(s)		9	cos+	Yellow
Efficient zone(%)		Peak torque duration(s)		10	cos-	Green
Energy consumption(KW-H/KM)		External dimensions		11	ref+	Red
Insulation level	■ H □	Weight (kg)		12	ref-	Black
IP Grade	■ IP68 □ IP67	Cooling water inlet temperature(°C)		Number of pole pairs 6		
Nameplate	■ Standard □ Customer specified	Cooling water flow rate(L/min)		Resolver YS J52XU9736		
Cooling Mode	■ Water □ Oil cooled	Operation Temperature Range(°C)		Working system S9		
System Working Noise(dB)		Outer diameter size of water nozzle(mm)		Temperature sensor ET6Q104G2-11S019		

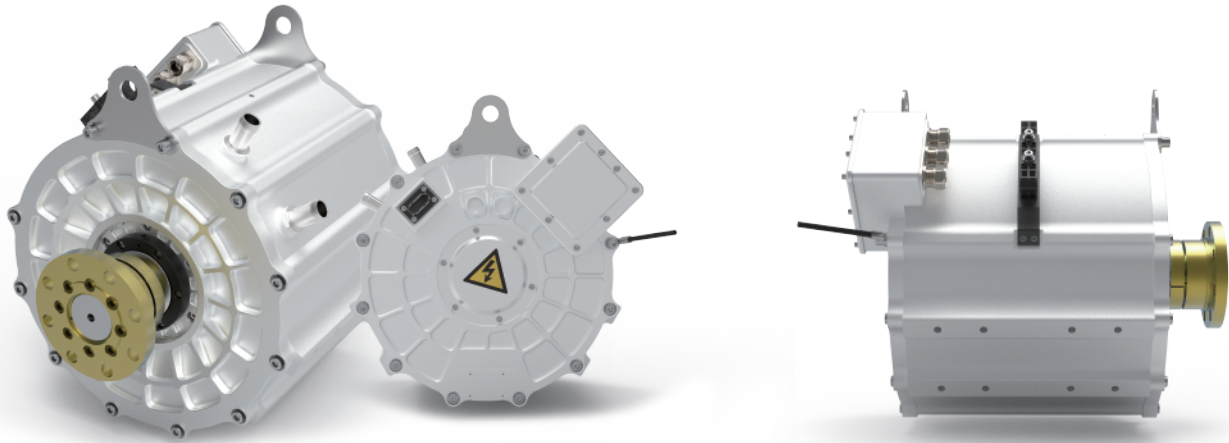
Applicable type: Rear drive motor of traction sand covering machine&supporting 900A main drive.

TECHNICAL SPECIFICATIONS

Rated power(KW)		Peak power (kW)		Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)		Peak speed (rpm)		Controller pins	Signal definition	Color
Rated torque(N.m)		Peak torque(N.m)		1	TEMP	Grey
Rated voltage AC(V)		Rated current(Arms)		2	GND	Purple
Rated DC bus voltage DC(V)		Maximum current(Arms)		6	block	Brown
Minimum bus voltage for full power operation(V)		Maximum speed corresponds to no-load Counter-Electromotive force (V)		7	sin+	White
Working DC voltage range(V DC)		Rated torque/power operating time(min)		8	sin-	Blue
Maximum efficiency(%)		Peak power duration(s)		9	cos+	Yellow
Efficient zone(%)		Peak torque duration(s)		10	cos-	Green
Energy consumption(KW-H/KM)		External dimensions		11	ref+	Red
Insulation level	■ H □	Weight (kg)		12	ref-	Black
IP Grade	■ IP68 □ IP67	Cooling water inlet temperature(°C)		Number of pole pairs 6		
Nameplate	■ Standard □ Customer specified	Cooling water flow rate(L/min)		Resolver YS J52XU9736		
Cooling Mode	■ Water □ Oil cooled	Operation Temperature Range(°C)		Working system S9		
System Working Noise(dB)		Outer diameter size of water nozzle(mm)		Temperature sensor ET6Q104G2-11S019		

Applicable type: loader oil pump motor

YYU05A 100(170)KW&2150N.M&3000RPM&540V

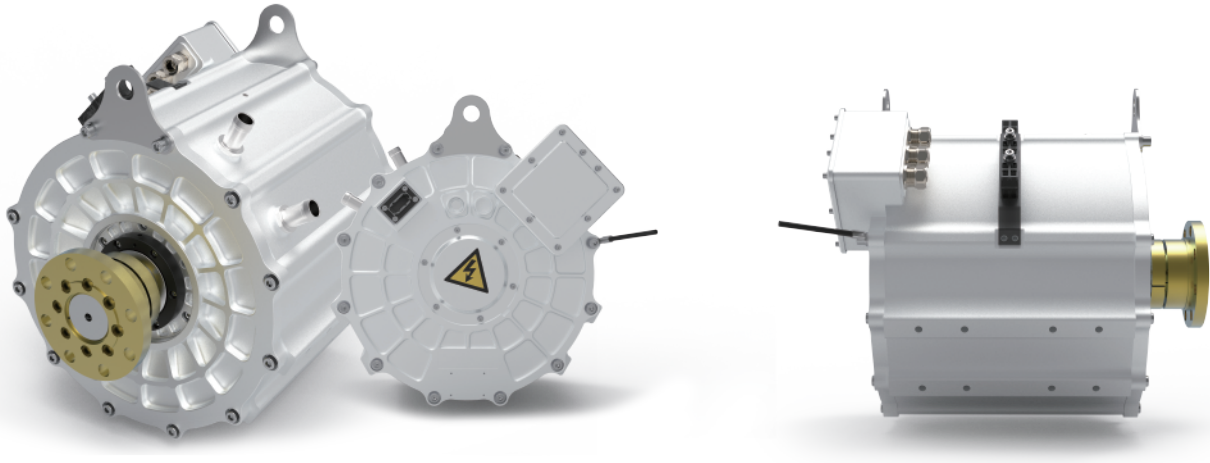


TECHNICAL SPECIFICATIONS

Rated power(KW)				100	Peak power (kW)		170	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1500	Peak speed (rpm)		3000	Controller pins	Signal definition	Color
Rated torque(N.m)				636	Peak torque(N.m)		2100	1	TEMP	Grey
Rated voltage AC(V)				380	Rated current(Arms)		160	2	GND	Purple
Rated DC bus voltage DC(V)				570	Maximum current(Arms)		395	6	block	brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		712	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		60	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW-H/KM)				NA	External dimensions		φ446*386	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤221.0	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤65	Number of pole pairs	6	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)		≥30	Resolver	YS J52XU9736	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	ET6Q104G2-11S019	

Applicable type: 10 meter bus&supporting 600A main drive

YYU06A 120(180)KW&2400N.M&2600RPM&540V

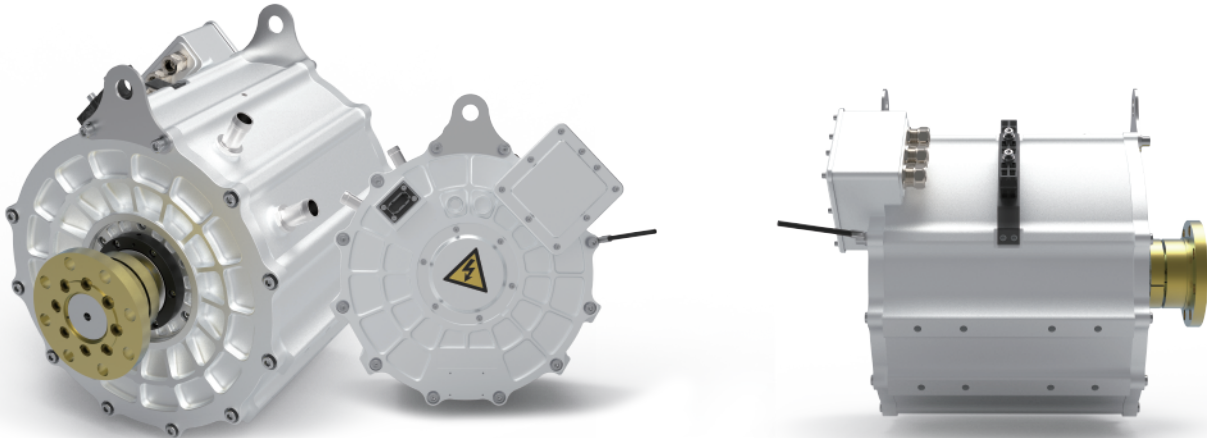


TECHNICAL SPECIFICATIONS

Rated power(KW)				120	Peak power (kW)		180	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1200	Peak speed (rpm)		2600	Controller pins	Signal definition	Color
Rated torque(N.m)				955	Peak torque(N.m)		2400	1	TEMP	Grey
Rated voltage AC(V)				380	Rated current(Arms)		200	2	GND	Purple
Rated DC bus voltage DC(V)				570	Maximum current(Arms)		395	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		740	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		60	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ446*414	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤238.0	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤65	Number of pole pairs	6	
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)		≥30	Resolver	YS J52XU9736	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	ET6Q104G2 - 11S019	

Applicable type: 10 meter bus&supporting 600A main drive.

YYU07A 120(200)KW&2700N.M&3000RPM&540V

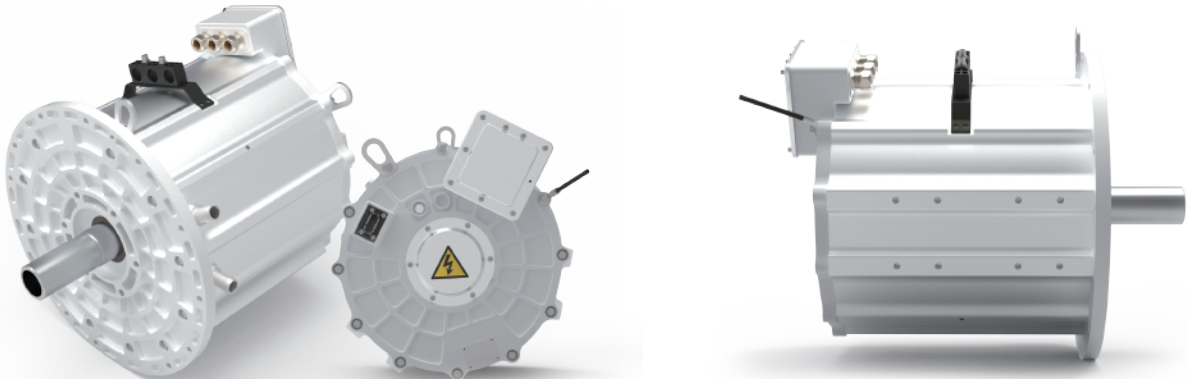


TECHNICAL SPECIFICATIONS

Rated power(KW)				120	Peak power (kW)		200	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1500	Peak speed (rpm)		3000	Controller pins	Signal definition	Color
Rated torque(N.m)				764	Peak torque(N.m)		2700	1	TEMP	Grey
Rated voltage AC(V)				380	Rated current(Arms)		200	2	GND	Purple
Rated DC bus voltage DC(V)				570	Maximum current(Arms)		550	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		780	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		60	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ405*434	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤244.0	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤65	Number of pole pairs	6	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)		≥30	Resolver	YS J52XU9736	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	ET6Q104G2 - 11S019	

Applicable type: 12 meter bus&supporting 900A main drive.

YYU08A 125(245)KW&2600N.M&3500RPM&618V

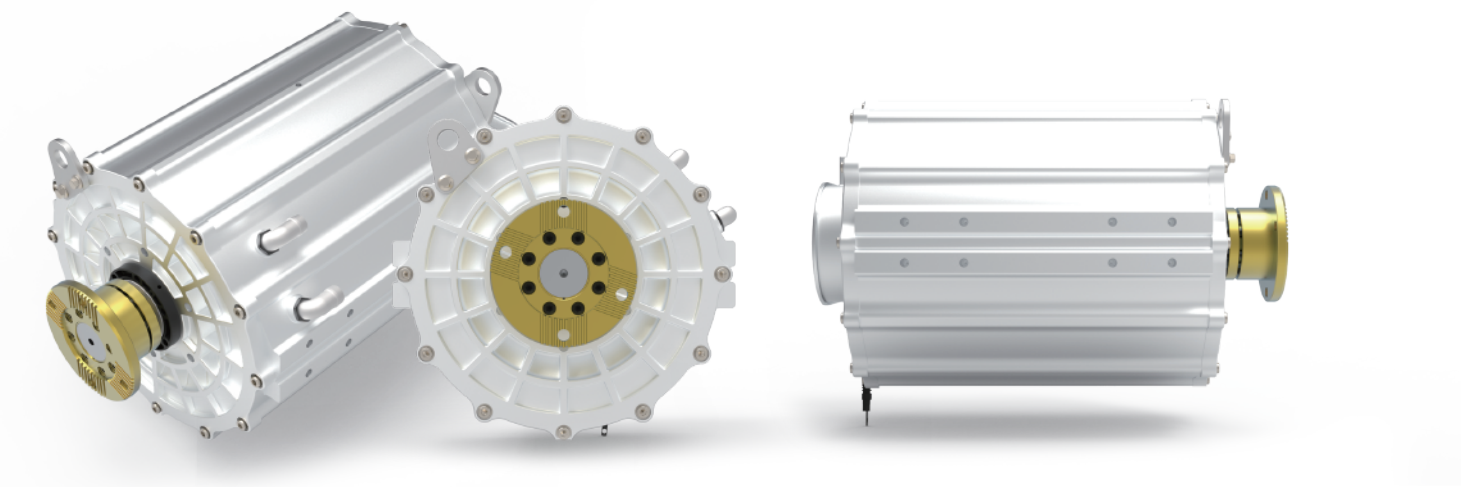


TECHNICAL SPECIFICATIONS

Rated power(KW)				125	Peak power (kW)		245	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1000	Peak speed (rpm)		3500	Controller pins	Signal definition	Color
Rated torque(N.m)				1200	Peak torque(N.m)		2600	1	TEMP	Grey
Rated voltage AC(V)				380	Rated current(Arms)		260	2	GND	Purple
Rated DC bus voltage DC(V)				618	Maximum current(Arms)		570	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		740	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		60	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		60	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ 446*442	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤250	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤60	Number of pole pairs	6	
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)		≥ 30	Resolver	YS J52XU9736	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤ 80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	ET6Q104G2-11S019	

Applicable type: loader main drive motor.

YYU10A 200(350)KW&3700N.M&2800RPM&620V

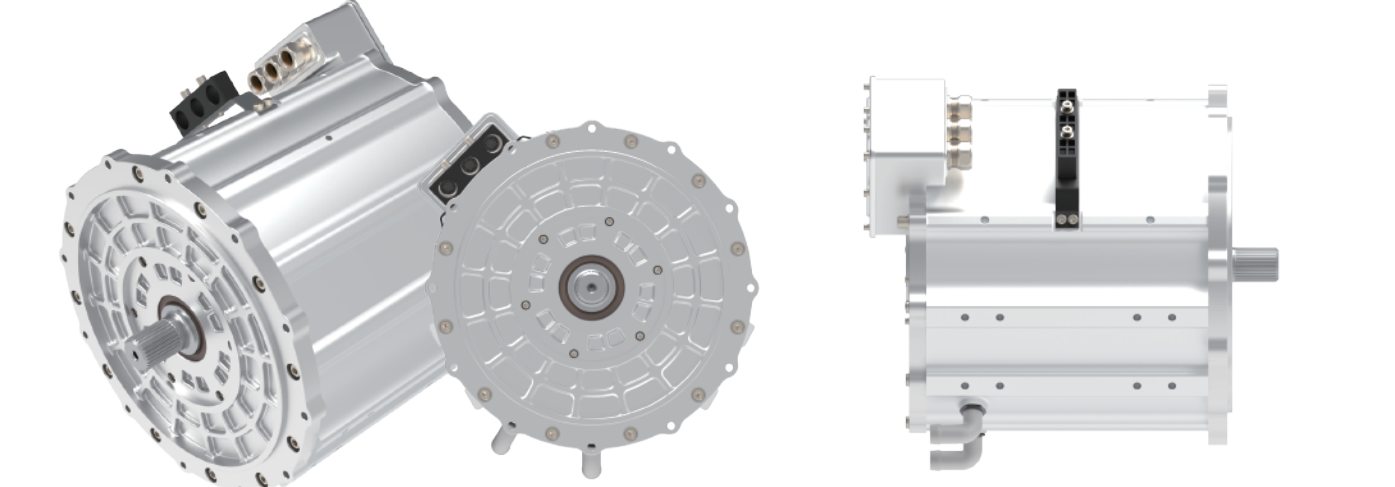


TECHNICAL SPECIFICATIONS

Rated power(KW)				200	Peak power (kW)		350	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1200	Peak speed (rpm)		2800	Controller pins	Signal definition	Color
Rated torque(N.m)				1592	Peak torque(N.m)		3700	1	TEMP	Grey
Rated voltage AC(V)				438	Rated current(Arms)		320	2	GND	Purple
Rated DC bus voltage DC(V)				620	Maximum current(Arms)		825	6	block	Brown
Minimum bus voltage for full power operation(V)				500	Maximum speed corresponds to no-load Counter-Electromotive force (V)		70	7	sin+	White
Working DC voltage range(V DC)				500~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ 466*588	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤300	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤60	Number of pole pairs	6	
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)		≥ 40	Resolver	J74XU9736C	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤ 80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	ET6Q104G2-11S019	

Applicable type: 12 meter bus.

YYU11A 147(184)KW&1470 N.M&3725RPM&540V

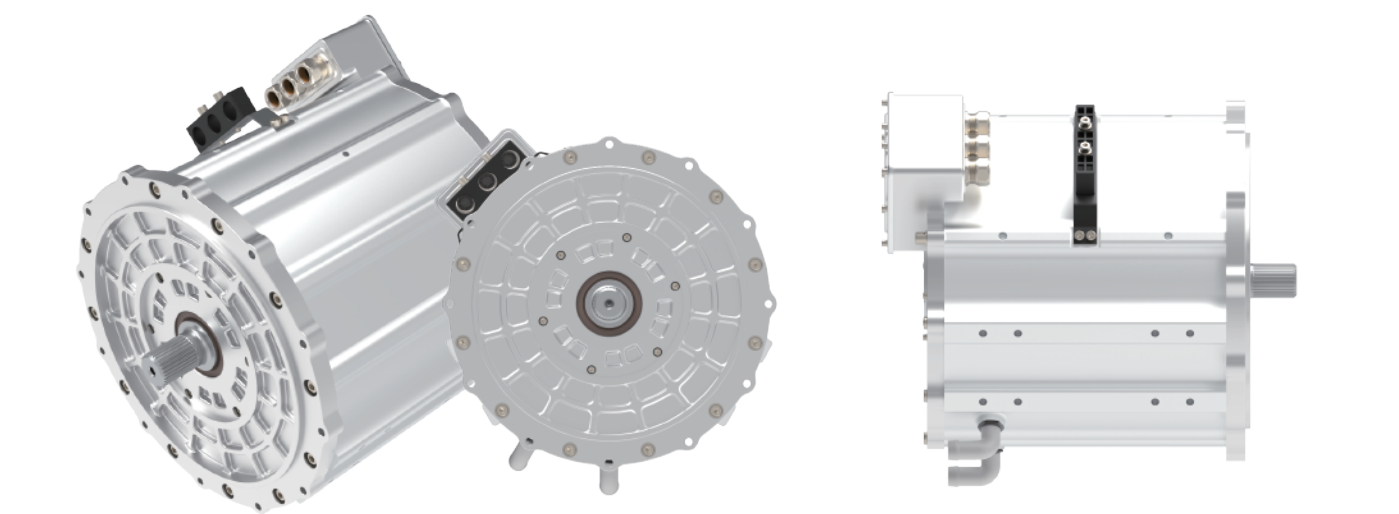


TECHNICAL SPECIFICATIONS

Rated power(KW)				147	Peak power (kW)	184	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1560	Peak speed (rpm)	3725	Controller pins	Signal definition	Color
Rated torque(N.m)				900	Peak torque(N.m)	1470	1	TEMP	Grey
Rated voltage AC(V)				380	Rated current(Arms)	290	2	GND	Purple
Rated DC bus voltage DC(V)				540	Maximum current(Arms)	480	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)	700	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)	NA	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)	30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)	30	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions	φ 446*462	11	ref+	Red
Insulation level	■	H	□		Weight (kg)	≤204	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)	≤60	Number of pole pairs	6	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)	≥ 25	Resolver	J74XU9736C	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)	-40/+65	Working system	S9	
System Working Noise(dB)				≤ 80	Outer diameter size of water nozzle(mm)	25	Temperature sensor	ET6Q104G2-11S019	

Applicable type: Agricultural machinery main drive motor.

YYU11B 147(184)KW&860N.M&3725RPM&540V

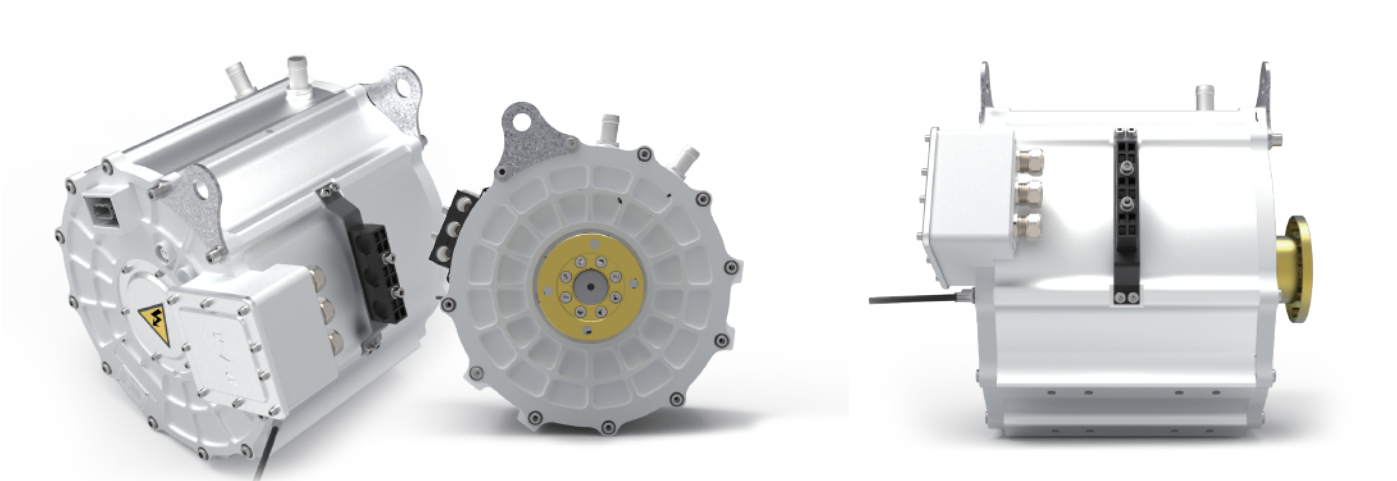


TECHNICAL SPECIFICATIONS

Rated power(KW)		147	Peak power (kW)	184	Definition of Rotary Transformer Interface Signal			
Rated speed(rpm)		2000	Peak speed (rpm)	3725	Controller pins	Signal definition	Color	
Rated torque(N.m)		700	Peak torque(N.m)	860	1	TEMP	Grey	
Rated voltage AC(V)		382	Rated current(Arms)	240	2	GND	Purple	
Rated DC bus voltage DC(V)		540	Maximum current(Arms)	310	6	block	Brown	
Minimum bus voltage for full power operation(V)		400	Maximum speed corresponds to no-load Counter-Electromotive force (V)	700	7	sin+	White	
Working DC voltage range(V DC)		400~750	Rated torque/power operating time(min)	NA	8	sin-	Blue	
Maximum efficiency(%)		≥96.5%	Peak power duration(s)	30	9	cos+	Yellow	
Efficient zone(%)		≥90.0%	Peak torque duration(s)	30	10	cos-	Green	
Energy consumption(KW-H/KM)		NA	External dimensions	φ 446*462	11	ref+	Red	
Insulation level	☒ H ☐		Weight (kg)	≤204	12	ref-	Black	
IP Grade	☒ IP68 ☐ IP67		Cooling water inlet temperature(°C)	≤60	Number of pole pairs	6		
Nameplate	☒ Stan- dard ☐ Customer specified		Cooling water flow rate(L/min)	≥ 25	Resolver	YS J52XU9736		
Cooling Mode	☒ Water ☐ Oil cooled		Operation Temperature Range(°C)	-40/+65	Working system	S9		
System Working Noise(dB)		≤ 80	Outer diameter size of water nozzle(mm)	25	Temperature sensor	ET6Q104G2-11S019		

Applicable type: PTO motor.

YYU13A 100(180)KW&1500N.M&3750RPM&700V

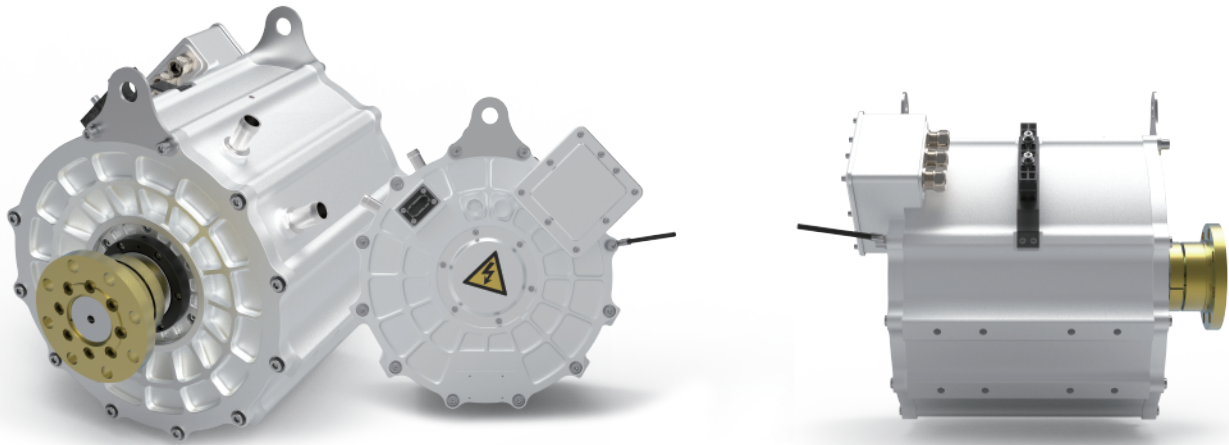


TECHNICAL SPECIFICATIONS

Rated power(KW)		100	Peak power (kW)	180	Definition of low-voltage signal			
Rated speed(rpm)		1800	Peak speed (rpm)	3750	Pins	Signal definition	Color	
Rated torque(N.m)		531	Peak torque(N.m)	1500	1	U-TEMP1+	Red	
Rated voltage AC(V)		495	Rated current(Arms)	200	2	U-TEMP1-	Red	
Rated DC bus voltage DC(V)		700	Maximum current(Arms)	380	3	V-TEMP1+	Black	
Minimum bus voltage for full power operation(V)		400	Maximum speed corresponds to no-load Counter-Electromotive force (V)	740	4	V-TEMP1-	Black	
Working DC voltage range(V DC)		400~750	Rated torque/power operating time(min)	NA	5	W-TEMP1+	White	
Maximum efficiency(%)		≥97.0%	Peak power duration(s)	30	6	W-TEMP1-	White	
Efficient zone(%)		≥90.0%	Peak torque duration(s)	30	7	ACH+	Blue	
Energy consumption(KW-H/KM)		NA	External dimensions	φ 446*386	8	ACH-	Blue	
Insulation level	☒ H ☐		Weight (kg)	≤221	9	Bearing1+	Yellow	
IP Grade	☒ IP68 ☐ IP67		Cooling water inlet temperature(°C)	≤45	10	Bearing1-	Yellow	
Nameplate	☒ Stan- dard ☐ Customer specified		Cooling water flow rate(L/min)	≥ 35	11	U-TEMP2+	Green	
Cooling Mode	☒ Water ☐ Oil cooled		Operation Temperature Range(°C)	-45/+45	12	U-TEMP2-	Green	
System Working Noise(dB)		≤ 80	Outer diameter size of water nozzle(mm)	25	13	V-TEMP2+	Grey	
					14	V-TEMP2-	Grey	
					15	W-TEMP2+	Purple	
					16	W-TEMP2-	Purple	
					17	Bearing2+	Orange	
					18	Bearing2-	Orange	
					Number of pole pairs	6		
					Resolver	YS J52XU9736		
					Working system	S9		
					Temperature sensor	PT100		

Applicable type: Marine motor.

YYX01A 145(250)KW&3500N.M&3400RPM&540V

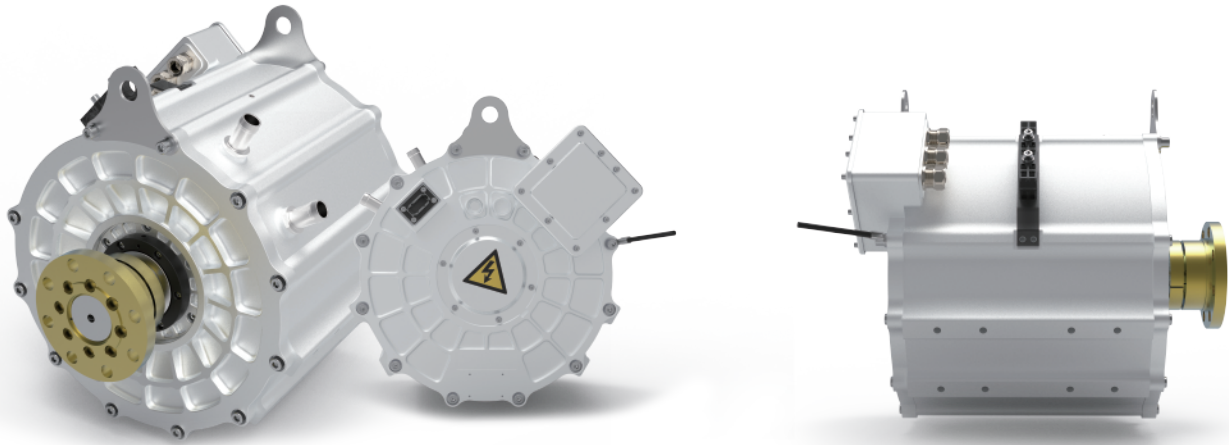


TECHNICAL SPECIFICATIONS

Rated power(KW)				145	Peak power (kW)		250	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1259	Peak speed (rpm)		3000	Controller pins	Signal definition	Color
Rated torque(N.m)				1100	Peak torque(N.m)		3350	1	TEMP	Grey
Rated voltage AC(V)				424	Rated current(Arms)		300	2	GND	Purple
Rated DC bus voltage DC(V)				600	Maximum current(Arms)		900	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		740	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥95.0%	Peak power duration(s)		30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ 589*462	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤ 323	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤ 55	Number of pole pairs	8	
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)		≥ 40	Resolver	J132XU9738C	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤ 80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	PT-100	

Applicable type: 12/13 meter passenger car motor&matching dual 800A main drive.

YYX02A 195(350)KW&3500N.M&3400RPM&600V

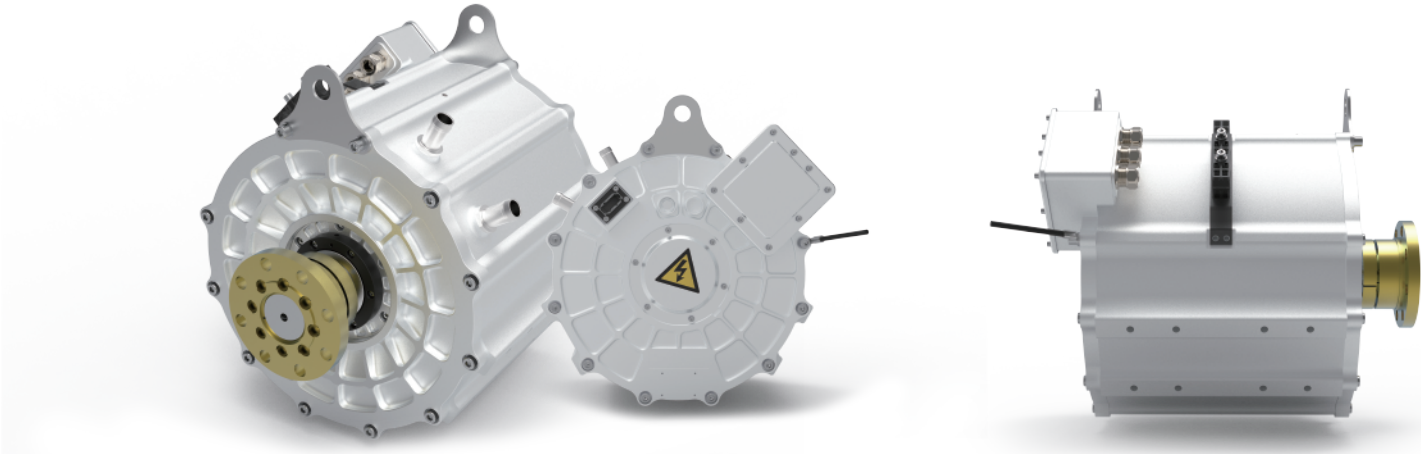


TECHNICAL SPECIFICATIONS

Rated power(KW)				195	Peak power (kW)		350	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1095	Peak speed (rpm)		3400	Controller pins	Signal definition	Color
Rated torque(N.m)				1701	Peak torque(N.m)		3500	1	TEMP	Grey
Rated voltage AC(V)				424	Rated current(Arms)		350	2	GND	Purple
Rated DC bus voltage DC(V)				600	Maximum current(Arms)		900	6	block	brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		740	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ 589*482	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤ 365	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤ 60	Number of pole pairs	8	
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)		≥ 40	Resolver	J132XU9738C	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤ 80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	PT100	

Applicable type: 12/13 meter passenger car motor&matching dual 800A main drive.

YYX03A 250(350)KW&3500N.M&3400RPM&600V

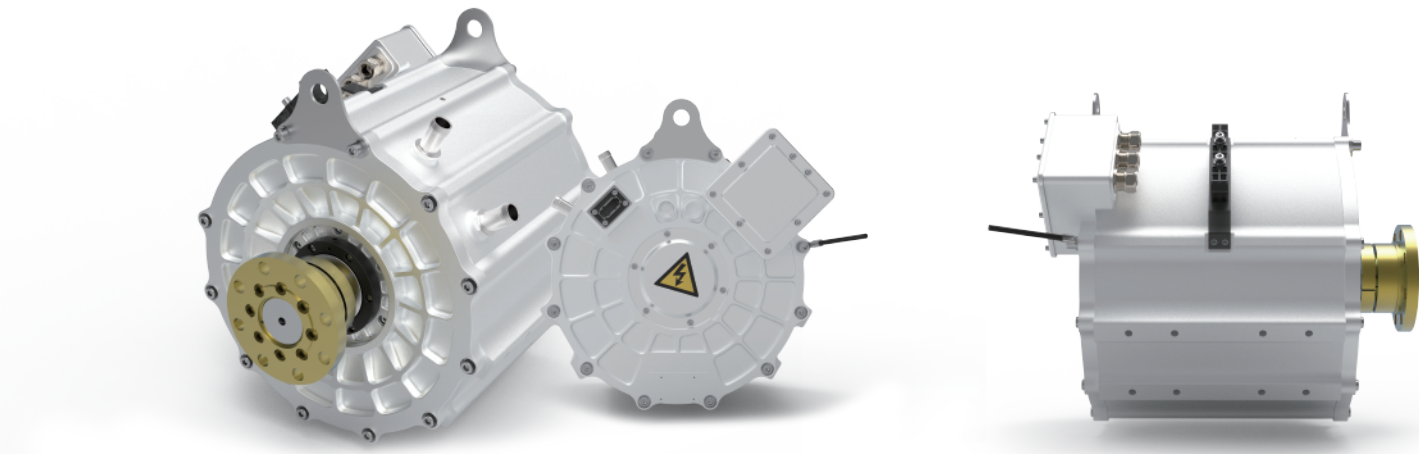


TECHNICAL SPECIFICATIONS

Rated power(KW)		250		Peak power (kW)		350		Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)		1400		Peak speed (rpm)		3400		Controller pins	Signal definition	Color
Rated torque(N.m)		1705		Peak torque(N.m)		3500		1	TEMP	Grey
Rated voltage AC(V)		424		Rated current(Arms)		350		2	GND	Purple
Rated DC bus voltage DC(V)		600		Maximum current(Arms)		900		6	block	Brown
Minimum bus voltage for full power operation(V)		400		Maximum speed corresponds to no-load Counter-Electromotive force (V)		740		7	sin+	White
Working DC voltage range(V DC)		400~750		Rated torque/power operating time(min)		NA		8	sin-	Blue
Maximum efficiency(%)		≥96.5%		Peak power duration(s)		30		9	cos+	Yellow
Efficient zone(%)		≥90.0%		Peak torque duration(s)		30		10	cos-	Green
Energy consumption(KW·H/KM)		NA		External dimensions		φ 589*468		11	ref+	Red
Insulation level	■	H	□	Weight (kg)		≤355		12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)	≤60	Number of pole pairs	8		
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)	≥40	Resolver	J132XU9738C		
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)	-40/+85	Working system	S9		
System Working Noise(dB)		≤80		Outer diameter size of water nozzle(mm)		25		Temperature sensor	PT100	

Applicable type: 12/13 meter heavy-duty bus motor&matching dual 800A main drive.

YYX04A 250(350)KW&4400N.M&2900RPM&600V

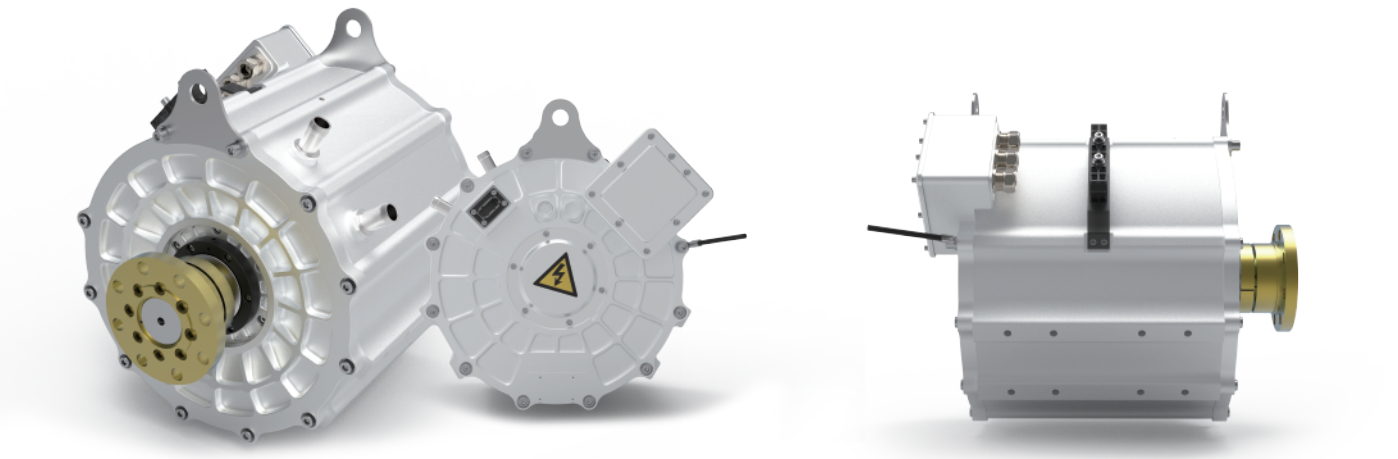


TECHNICAL SPECIFICATIONS

Rated power(KW)		250		Peak power (kW)		350		Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)		1400		Peak speed (rpm)		2900		Controller pins	Signal definition	Color
Rated torque(N.m)		1705		Peak torque(N.m)		4400		1	TEMP	Grey
Rated voltage AC(V)		424		Rated current(Arms)		350		2	GND	Purple
Rated DC bus voltage DC(V)		600		Maximum current(Arms)		900		6	block	Brown
Minimum bus voltage for full power operation(V)		400		Maximum speed corresponds to no-load Counter-Electromotive force (V)		740		7	sin+	White
Working DC voltage range(V DC)		400~750		Rated torque/power operating time(min)		NA		8	sin-	Blue
Maximum efficiency(%)		≥96.5%		Peak power duration(s)		30		9	cos+	Yellow
Efficient zone(%)		≥90.0%		Peak torque duration(s)		30		10	cos-	Green
Energy consumption(KW·H/KM)		NA		External dimensions		φ 589*528		11	ref+	Red
Insulation level	■	H	□	Weight (kg)		≤400		12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)	≤60	Number of pole pairs	8		
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)	≥40	Resolver	J132XU9738C		
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)	-40/+85	Working system	S9		
System Working Noise(dB)		≤80		Outer diameter size of water nozzle(mm)		25		Temperature sensor	PT100	

Applicable type: 16/18 meter passenger car motor&matching dual 800A main drive.

YYX05A 150(200)KW&2500N.M&1000RPM&566V

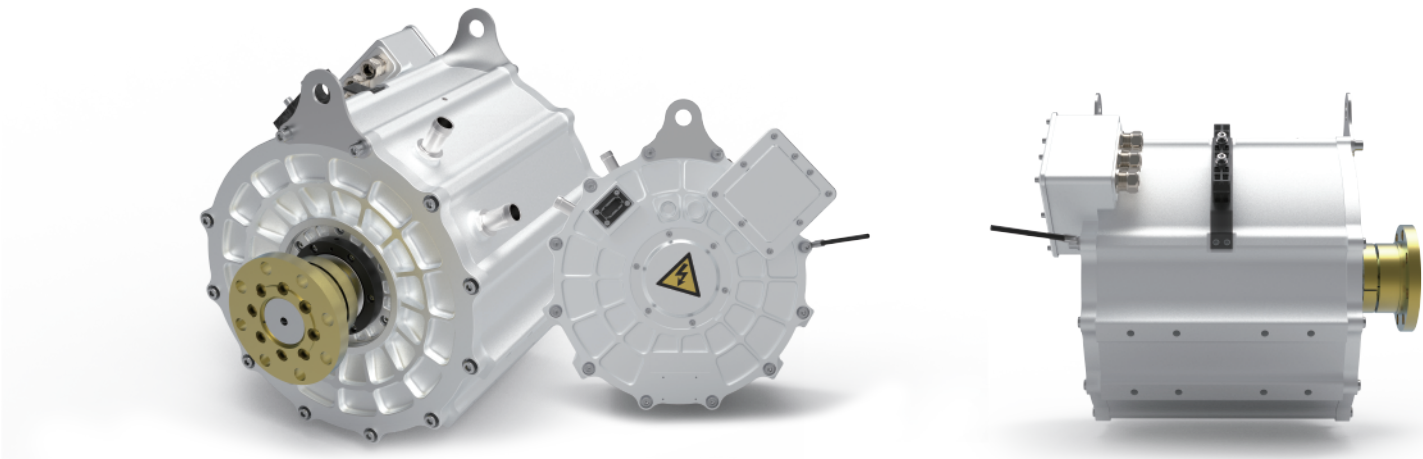


TECHNICAL SPECIFICATIONS

Rated power(KW)				150	Peak power (kW)		200	Definition of low-voltage signal		
Rated speed(rpm)				600	Peak speed (rpm)		1000	Pins	Signal definition	Color
Rated torque(N.m)				2388	Peak torque(N.m)		2500	1	U-TEMP1+	Red
Rated voltage AC(V)				400	Rated current(Arms)		200	2	U-TEMP1-	Red
Rated DC bus voltage DC(V)				566	Maximum current(Arms)		520	3	V-TEMP1+	Black
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		740	4	V-TEMP1-	Black
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	5	W-TEMP1+	White
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		30	6	W-TEMP1-	White
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	7	ACH+	Blue
Energy consumption(KW·H/KM)				NA	External dimensions		φ 589*494	8	ACH-	Blue
Insulation level	■	H	□			Weight (kg)	≤ 374	9	Bearing1+	Yellow
								10	Bearing1-	Yellow
IP Grade	■	IP68	□	IP67		Cooling water inlet temperature(°C)	≤ 35	Number of pole pairs	8	
Nameplate	■	Standard	□	Customer specified		Cooling water flow rate(L/min)	≥ 40	Resolver	J132XU9738C	
Cooling Mode	■	Water	□	Oil cooled		Operation Temperature Range(°C)	-40/+85	Working system	S9	
System Working Noise(dB)				≤ 80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	PT100	

Applicable type: Marine motor.

YYX06A 200(350)KW&3700N.M&3200RPM&600V

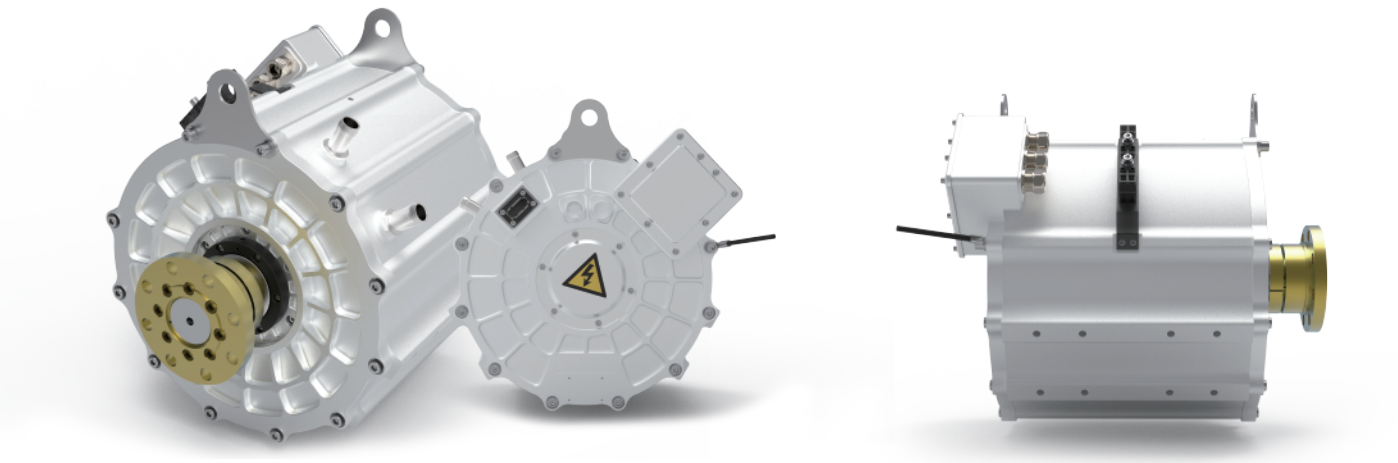


TECHNICAL SPECIFICATIONS

Rated power(KW)				200	Peak power (kW)		350	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1500	Peak speed (rpm)		3200	Controller pins	Signal definition	Color
Rated torque(N.m)				1270	Peak torque(N.m)		3700	1	TEMP	Grey
Rated voltage AC(V)				424	Rated current(Arms)		330	2	GND	Purple
Rated DC bus voltage DC(V)				600	Maximum current(Arms)		870	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		736	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW-H/KM)				NA	External dimensions		φ 589*462	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤350	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤60	Number of pole pairs	8	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)		≥40	Resolver	J132XU9738C	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-40/+85	Working system	S9	
System Working Noise(dB)				≤80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	PT100	

Applicable type: 12/13 meter passenger car motor&matching dual 800A main drive.

YYX07A 320(480)KW&3750N.M&3000RPM&650V

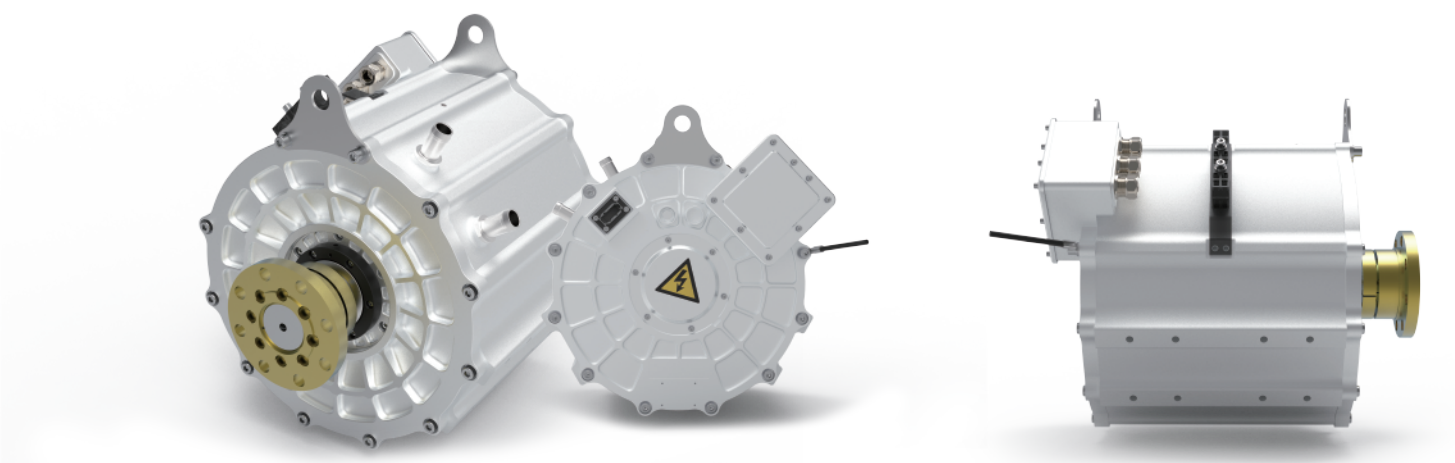


TECHNICAL SPECIFICATIONS

Rated power(KW)				320	Peak power (kW)		480	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				2500	Peak speed (rpm)		3000	Controller pins	Signal definition	Color
Rated torque(N.m)				1222	Peak torque(N.m)		3750	1	TEMP	Grey
Rated voltage AC(V)				460	Rated current(Arms)		350	2	GND	Purple
Rated DC bus voltage DC(V)				650	Maximum current(Arms)		800	6	block	Brown
Minimum bus voltage for full power operation(V)				500	Maximum speed corresponds to no-load Counter-Electromotive force (V)		740	7	sin+	White
Working DC voltage range(V DC)				500~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥98.0%	Peak power duration(s)		30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		NA	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		NA	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤65	Number of pole pairs	8	
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)		≥ 50	Resolver	YS J52XU9736	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-5/+45	Working system	S9	
System Working Noise(dB)				≤ 80	Outer diameter size of water nozzle(mm)		25	Temperature sensor	ET6Q104G2-11S019	

Applicable type: Heavy truck motor.

YYX08A 300(350)KW&3000 N.M&3000RPM&618V

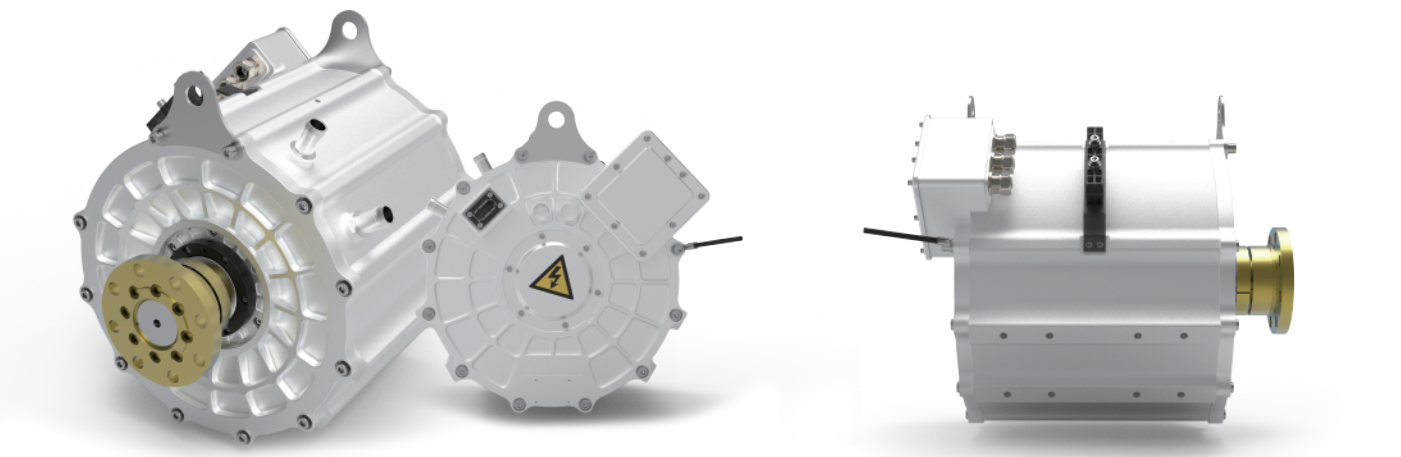


TECHNICAL SPECIFICATIONS

Rated power(KW)				300	Peak power (kW)		350	Definition of low-voltage signal		
Rated speed(rpm)				1200	Peak speed (rpm)		3000	Pins	Signal definition	Color
Rated torque(N.m)				2388	Peak torque(N.m)		3000	1	U-TEMP1+	Red
Rated voltage AC(V)				437	Rated current(Arms)		540	2	U-TEMP1-	Red
Rated DC bus voltage DC(V)				618	Maximum current(Arms)		900	3	V-TEMP1+	Black
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		740	4	V-TEMP1-	Black
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	5	W-TEMP1+	White
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		30	6	W-TEMP1-	White
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	7	ACH+	Blue
Energy consumption(KW·H/KM)				NA	External dimensions		φ589*528	8	ACH-	Blue
Insulation level	■	H	□		Weight (kg)		≤400	9	Bearing1+	Yellow
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(℃)		≤50	10	Bearing1-	Yellow
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)		≥ 40	11	U-TEMP2+	Green
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(℃)		-45/+55	12	U-TEMP2-	Green
System Working Noise(dB)				≤ 75	Outer diameter size of water nozzle(mm)		25	13	V-TEMP2+	Grey
								14	V-TEMP2-	Grey
								15	W-TEMP2+	Purple
								16	W-TEMP2-	Purple
								17	Bearing2+	Orange
								18	Bearing2-	Orange

Applicable type: Marine motor.

YYX09A 315(350)KW&3000N.M&2500RPM&618V

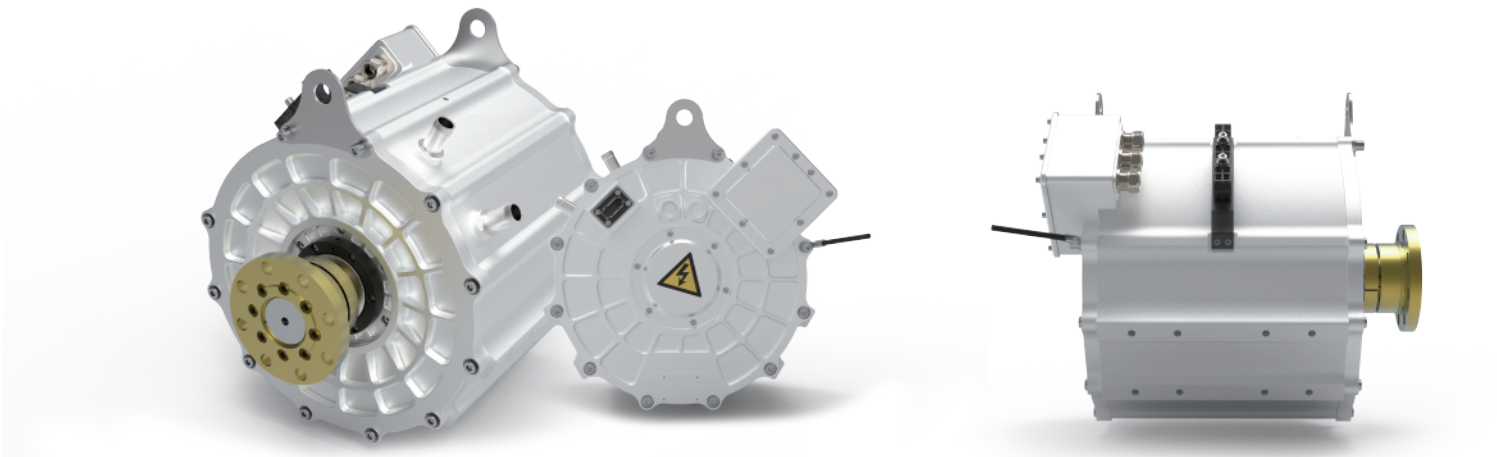


TECHNICAL SPECIFICATIONS

Rated power(KW)				315	Peak power (kW)		350	Definition of Rotary Transformer Interface Signal		
Rated speed(rpm)				1500	Peak speed (rpm)		2500	Controller pins	Signal definition	Color
Rated torque(N.m)				2006	Peak torque(N.m)		3000	1	TEMP	Grey
Rated voltage AC(V)				437	Rated current(Arms)		540	2	GND	Purple
Rated DC bus voltage DC(V)				618	Maximum current(Arms)		900	6	block	Brown
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		588	7	sin+	White
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	8	sin-	Blue
Maximum efficiency(%)				≥96.5%	Peak power duration(s)		30	9	cos+	Yellow
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	10	cos-	Green
Energy consumption(KW·H/KM)				NA	External dimensions		φ589*528	11	ref+	Red
Insulation level	■	H	□		Weight (kg)		≤400	12	ref-	Black
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤60	Number of pole pairs	8	
Nameplate	■	Standard	□	Customer specified	Cooling water flow rate(L/min)		≥ 35	Resolver	YS J132XU9738C	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		-45/+85	Working system	S9	
System Working Noise(dB)				≤ 75	Outer diameter size of water nozzle(mm)		25	Temperature sensor	ET6Q104G2-11S019	

Applicable type: Generator.

YYX10A 400(480)KW&3500N.M&2500RPM&622V

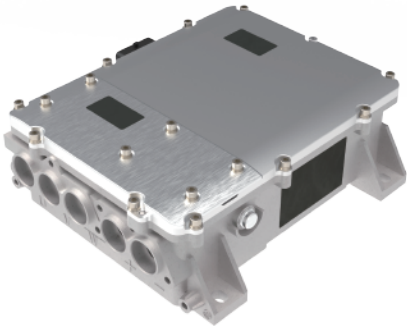


TECHNICAL SPECIFICATIONS

Rated power(KW)				400	Peak power (kW)		480	Definition of low-voltage signal		
Rated speed(rpm)				1300	Peak speed (rpm)		2500	Pins	Signal definition	Color
Rated torque(N.m)				2930	Peak torque(N.m)		3500	1	U-TEMP1+	Red
								2	U-TEMP1-	Red
Rated voltage AC(V)				440	Rated current(Arms)		570	3	V-TEMP1+	Black
								4	V-TEMP1-	Black
Rated DC bus voltage DC(V)				622	Maximum current(Arms)		870	5	W-TEMP1+	White
								6	W-TEMP1-	White
Minimum bus voltage for full power operation(V)				400	Maximum speed corresponds to no-load Counter-Electromotive force (V)		677	7	ACH+	Blue
								8	ACH-	Blue
Working DC voltage range(V DC)				400~750	Rated torque/power operating time(min)		NA	9	Bearing1+	Yellow
								10	Bearing1-	Yellow
Maximum efficiency(%)				≥97.6%	Peak power duration(s)		30	11	U-TEMP2+	Green
								12	U-TEMP2-	Green
Efficient zone(%)				≥90.0%	Peak torque duration(s)		30	13	V-TEMP2+	Grey
								14	V-TEMP2-	Grey
Energy consumption(KW·H/KM)				NA	External dimensions		φ589*606	15	W-TEMP2+	Purple
								16	W-TEMP2-	Purple
Insulation level	■	H	□		Weight (kg)		≤400	17	Bearing2+	Orange
								18	Bearing2-	Orange
IP Grade	■	IP68	□	IP67	Cooling water inlet temperature(°C)		≤38	Number of pole pairs	8	
Nameplate	■	Stan- dard	□	Customer specified	Cooling water flow rate(L/min)		≥ 40	Resolver	YS J132XU9738C	
Cooling Mode	■	Water	□	Oil cooled	Operation Temperature Range(°C)		0/+45	Working system	S1	
System Working Noise(dB)				≤ 75	Outer diameter size of water nozzle(mm)		25	Temperature sensor	PT100	

Applicable type: Marine motor.

MCU：MOTOR CONTROL UNIT/450A MAIN DRIVE



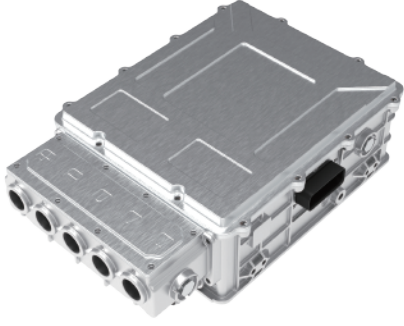
BASIC TECHNICAL PARAMETERS

ITEM	DEMAND	REMARK
Working DC voltage range(V DC)	DC 220V-450V	high voltage platform
Rated input voltage	DC 336V	/
Protection level	IP68	/
Cooling type	Water cooling	glycol mixtures or other Coolant
Outer diameter size of water nozzle(mm)	20	mm (Optional)
Communication mode	CAN 2.0	250kbps/500kbps available
Water road parameter	Rated flow15Umin, capacity: 0.23L	water in≤60℃, 0.3Mpa≤water pressure<0.5Mpa
System low voltage control power	range: DC 9-16V	for both 12V and 24V
Low voltage power consumption	≤10W	Rated condition
Thermal power consumption	2.5KW-4KW	Rated condition
Outline dimension	278*244*98.8	mm (PG head and installation pin excluded)
Weight	≈6	kg

TECHNICAL SPECIFICATION

ITEM	SPECIFICATION	REMARK
Rated power	60KW	/
Adaptable motor type	Permanent magnet synchronous motor	/
Peak power(kW)	120KW	/
Rated output current	150A	/
Peak output current	300A	10S
Efficiency	≥98%	Rated condition
Active discharge time	≤1S	< DC60V
Positive discharge time	≤180S	< DC60V
Controlled speed accuracy	<500rpm: ±2%; >500rpm: ±1%	vector controlled by speed sensor
Rotation speed response time	≤400ms	
Controlled torque accuracy	±5N.m@≤100N.m, ±5%@>100N.m	
Torque response time	≤200ms	
Output frequency range	0~800Hz	
Other functions	feedback,speed control,torque control,speed/torque control shift,speed limit,torque limit, self-study,fault reset,upper computer software function	
Protection funtion	overheat,overload,phase short circuit,overcurrent,overvoltage,Under Voltage,phase shortage,stall,stop motor when working load sudden change to protect motor from damage	

MCU：MOTOR CONTROL UNIT/450A MAIN DRIVE



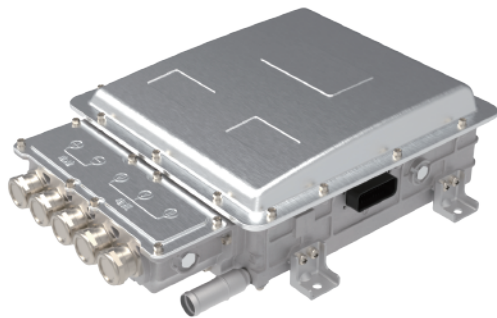
BASIC TECHNICAL PARAMETERS

ITEM	DEMAND	REMARK
Working DC voltage range(V DC)	DC 350V—750V	high voltage platform
Rated input voltage	DC 540V	/
Protection level	IP67	/
Cooling type	Water cooling	glycol mixtures or other Coolant
Outer diameter size of water nozzle(mm)	20	mm (Optional)
Communication mode	CAN 2.0	250kbps/500kbps available
Water road parameter	Rated flow15L/min, capacity: 0.23L	water in≤60℃, 0.3Mpa≤water pressure<0.5Mpa
System low voltage control power	range: DC 9-36V	for both 12V and 24V
Low voltage power consumption	≤10W	Rated condition
Thermal power consumption	2.5KW-4KW	Rated condition
Outline dimension	258*382*118	mm (PG head and installation pin excluded)
Weight	≈9.5	kg

TECHNICAL SPECIFICATION

ITEM	SPECIFICATION	REMARK
Rated power	90KW	/
Adaptable motor type	Permanent magnet synchronous motor	/
Peak power(kW)	150KW	/
Rated output current	176A	/
Peak output current	300A	10S
Efficiency	≥98%	Rated condition
Active discharge time	≤3S	< DC60V
Positive discharge time	≤3min	< DC60V
Controlled speed accuracy	<500rpm: ±2%; >500rpm: ±1%	vector controlled by speed sensor
Rotation speed response time	≤400ms	
Controlled torque accuracy	±5N.m@≤100N.m, ±5%@>100N.m	
Torque response time	≤100ms	
Output frequency range	0~800Hz	
Other functions	feedback,speed control,torque control,speed/torque control shift,speed limit,torque limit, self-study,fault reset,upper computer software function	
Protection funtion	overheat,overload,phase short circuit,overcurrent,overvoltage,Under Voltage,phase shortage,stall,stop motor when working load sudden change to protect motor from damage	

MCU: MOTOR CONTROL UNIT/600A MAIN DRIVE



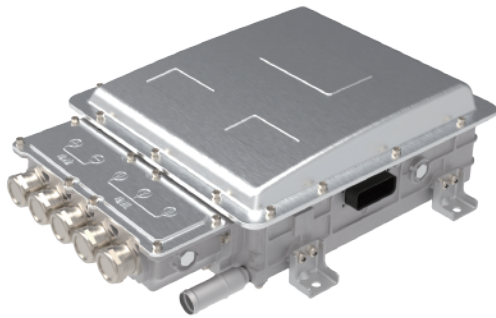
BASIC TECHNICAL PARAMETERS

ITEM	DEMAND	REMARK
Working DC voltage range(V DC)	DC 350V—750V	High voltage platform
Protection level	IP67	/
Cooling mode	Water cooling	Glycol mixtures or other Coolant
Outer diameter size of water nozzle(mm)	25	mm
Communication mode	CAN 2.0	250kbps/500kbps available
Water road parameter	Rated flow15-25L/min, Capacity:0.26L	Water in≤60℃, 0.3 Mpa≤water pressure<0.5Mpa
System low voltage control power	Range: DC 9-36V	/
Low voltage power consumption	≤ 10W	Rated condition
Thermal power consumption	4KW-5.5KW	Rated condition
Outline dimension	459*339*127	mm (PG head and installation pin excluded)
Weight	16.5	kg

TECHNICAL SPECIFICATION

ITEM	SPECIFICATION	REMARK
Rated power(KW)	90KW	/
Adaptable motor type	Permanent magnet synchronous motor/ three-phase asynchronous motor	/
Peak power(kW)	220KW	/
Rated output current	253A	/
Peak output current	380A	10S
Efficiency	≥98%	Rated condition
Active discharge time	≤3S	<DC60V
Positive discharge time	≤3min	<DC60V
Controlled speed range	1: 1000	Vector controlled by speed sensor
Controlled speed accuracy	<500rpm: ±2%; >500rpm: ±1%	
Rotation speed response time	≤400ms	
Controlled torque accuracy	±5N.m@≤100N.m, ±3%@>100N.m	
Torque response time	≤100ms	
Output frequency range	0~800Hz	
Other functions	feedback,speed control,torque control,speed/torque control shift,speed limit,torque limit, self-study,fault reset,upper computer software function	
Protection funtion	overheat,overload,phase short circuit,overcurrent,overvoltage,Under Voltage,phase shortage,stall,stop motor when working load sudden change to protect motor from damage	

MCU: MOTOR CONTROL UNIT/ 800A MAIN DRIVE



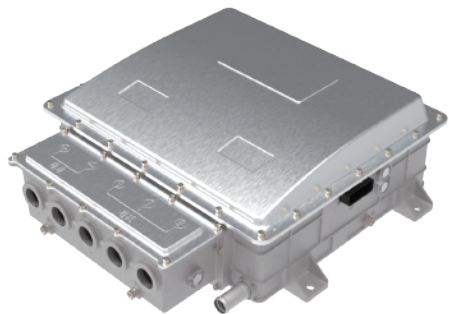
BASIC TECHNICAL PARAMETERS

ITEM	DEMAND	REMARK
Working DC voltage range(V DC)	DC 350V—750V	/
Rated input voltage	DC 540V	/
Protection level	IP67	/
Cooling type	Water cooling	Glycol mixtures or other Coolant
Outer diameter size of water nozzle(mm)	25	mm
Communication mode	CAN 2.0	250kbps/500kbps available
Water road parameter	Rated flow25L/min, capacity: 0.43L	Water in≤60℃, 0.3 Mpa≤water pressure<0.5Mpa
System low voltage control power	Range: DC 9-36V	For both 12V and 24V
Low voltage power consumption	≤ 24W	Rated condition
Thermal power consumption	4KW-6KW	Rated condition
Outline dimension	459*339*127	/
Weight	16.5	±1kg

TECHNICAL SPECIFICATION

ITEM	SPECIFICATION	REMARK
Rated power(KW)	185KVA	/
Maximum capacity	260KVA	/
Adaptable motor type	Permanent magnet synchronous motor/ three-phase asynchronous motor	/
Rated output current	350Arms	/
Peak output current	525Arms	60S
Efficiency	≥98%	Rated condition
Active discharge time	≤3S	<DC60V
Positive discharge time	≤3min	<DC60V
Controlled speed accuracy	<500rpm: ±2%; >500rpm: ±1%	Vector controlled by speed sensor
Rotation speed response time	≤300ms	
Controlled torque accuracy	±5N.m@≤100N.m, ±5%@>100N.m	
Torque response time	100ms	
Output frequency range	0~800Hz	
Other functions	feedback,speed control,torque control,speed/torque control shift,speed limit,torque limit, self-study,fault reset,upper computer software function	
Protection funtion	overheat,overload,phase short circuit,overcurrent,overvoltage,Under Voltage,phase shortage,stall,stop motor when working load sudden change to protect motor from damage	

MCU: MOTOR CONTROL UNIT/900A MAIN DRIVE



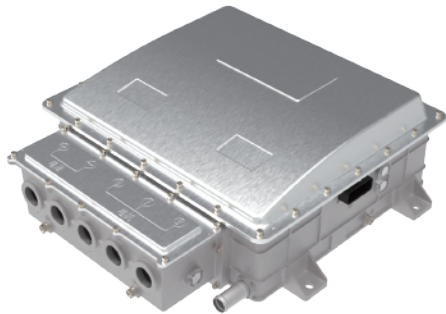
BASIC TECHNICAL PARAMETERS

ITEM	DEMAND	REMARK
Working DC voltage range(V DC)	DC 350V—750V	/
Protection level	IP67	/
Cooling mode	Water cooling	Glycol mixtures or other Coolant
Outer diameter size of water nozzle(mm)	25	mm
Communication mode	CAN 2.0	250kbps/500kbps available
Water road parameter	Rated flow25L/min, capacity: 0.43L	Water in ≤ 60°C, water pressure ≤ 0.4Mpa
System low voltage control power	Range: DC 9-36V	/
Low voltage power consumption	≤ 1A	Rated condition
Thermal power consumption	4KW-6KW	Rated condition
Outline dimension	/	/
Weight	28	±2kg

TECHNICAL SPECIFICATION

ITEM	SPECIFICATION	REMARK
Rated power(KW)	200KVA	/
Maximum capacity	300KVA	/
Rated input voltage	DC 540V	/
Full power voltage range	DC 540V-730V	/
Adaptable motor type	Permanent magnet synchronous motor/ three-phase asynchronous motor	60S
Rated output current	380A	Rated condition
Peak output current	570A	< DC60V
Efficiency	≥ 98%	< DC60V
Active discharge time	≤ 3S	Vector controlled by speed sensor
Positive discharge time	≤ 3min	
Controlled speed accuracy	< 500rpm: ± 2%; > 500rpm: ± 1%	
Rotation speed response time	≤ 300ms	
Controlled torque accuracy	± 5N.m@ ≤ 100N.m, ± 5% @ > 100N.m	
Torque response time	≤ 100ms	
Output frequency range	0~800Hz	
Other functions	feedback,speed control,torque control,speed/torque control shift,speed limit,torque limit, self-study,fault reset,upper computer software function	
Protection funtion	overheat,overload,phase short circuit,overcurrent,overvoltage,Under Voltage,phase shortage,stall,stop motor when working load sudden change to protect motor from damage	

MCU: MOTOR CONTROL UNIT/ DOUBLE 600A MAIN DRIVE



BASIC TECHNICAL PARAMETERS

ITEM	DEMAND	REMARK
Working DC voltage range(V DC)	DC 350V—750V	high voltage platform
Rated input voltage	DC 540V	/
Protection level	IP68	/
Cooling type	Water cooling	glycol mixtures or other Coolant
Outer diameter size of water nozzle(mm)	25	mm (Optional)
Communication mode	CAN 2.0	250kbps/500kbps available
Water road parameter	Rated flow35L/min, capacity: 0.43L	Water in ≤ 60°C, water pressure < 0.4Mpa
System low voltage control power	Range: DC 9-36V	/
Low voltage power consumption	≤ 25W	Rated condition
Thermal power consumption	6KW- 9KW	Rated condition
Outline dimension	/	/
Weight	≈ 28	kg

TECHNICAL SPECIFICATION

ITEM	SPECIFICATION	REMARK
Rated power(KW)	300KVA	/
Adaptable motor type	Permanent magnet synchronous motor	/
Peak power	400KW	/
Rated output current	470A	/
Peak output current	705A	10S
Efficiency	≥ 98%	Rated condition
Active discharge time	≤ 3S	< DC60V
Positive discharge time	≤ 180s	< DC60V
Controlled speed accuracy	< 500rpm: ± 2%; > 500rpm: ± 1%	Vector controlled by speed sensor
Rotation speed response time	≤ 300s	
Controlled torque accuracy	± 5N.m@ ≤ 100N.m, ± 5% @ > 100N.m	
Torque response time	≤ 100s	
Output frequency range	0-800Hz	
Other functions	feedback,speed control,torque control,speed/torque control shift,speed limit,torque limit, self-study,fault reset,upper computer software function	
Protection funtion	overheat,overload,phase short circuit,overcurrent,overvoltage,Under Voltage,phase shortage,stall,stop motor when working load sudden change to protect motor from damage	

MCU：MOTOR CONTROL UNIT/DOUBLE 800A MAIN DRIVE



BASIC TECHNICAL PARAMETERS

ITEM	DEMAND	REMARK
Working DC voltage range(V DC)	DC 350V—750V	/
Protection level	IP67	/
Cooling mode	Water cooling	Glycol mixtures or other Coolant
Outer diameter size of water nozzle(mm)	25	mm
Communication mode	CAN 2.0	250kbps/500kbps available
Water road parameter	Rated flow40L/min, capacity: 0.43L	Water in≤60°C, water pressure≤0.4Mpa
System low voltage control power	Range: DC 9-36V	/
Low voltage power consumption	≤25W	Rated condition
Thermal power consumption	7KW-10KW	Rated condition
Outline dimension	/	/
Weight	29	±2kg

TECHNICAL SPECIFICATION

ITEM	SPECIFICATION	REMARK
Rated power (KW)	355KVA	/
Maximum capacity	530KVA	/
Rated input voltage	DC 600V	/
Adaptable motor type	Permanent magnet synchronous motor/ three-phase asynchronous motor	/
Rated output current	600A	60S
Peak output current	900A	Rated condition
Efficiency	≥98%	< DC60V
Active discharge time	≤3S	< DC60V
Positive discharge time	≤3min	Vector controlled by speed sensor
Controlled speed accuracy	<500rpm: ±2%; >500rpm: ±1%	
Rotation speed response time	≤300ms	
Controlled torque accuracy	±5N.m@≤100N.m,±5%@>100N.m	
Torque response time	≤100ms	
Output frequency range	0~800Hz	