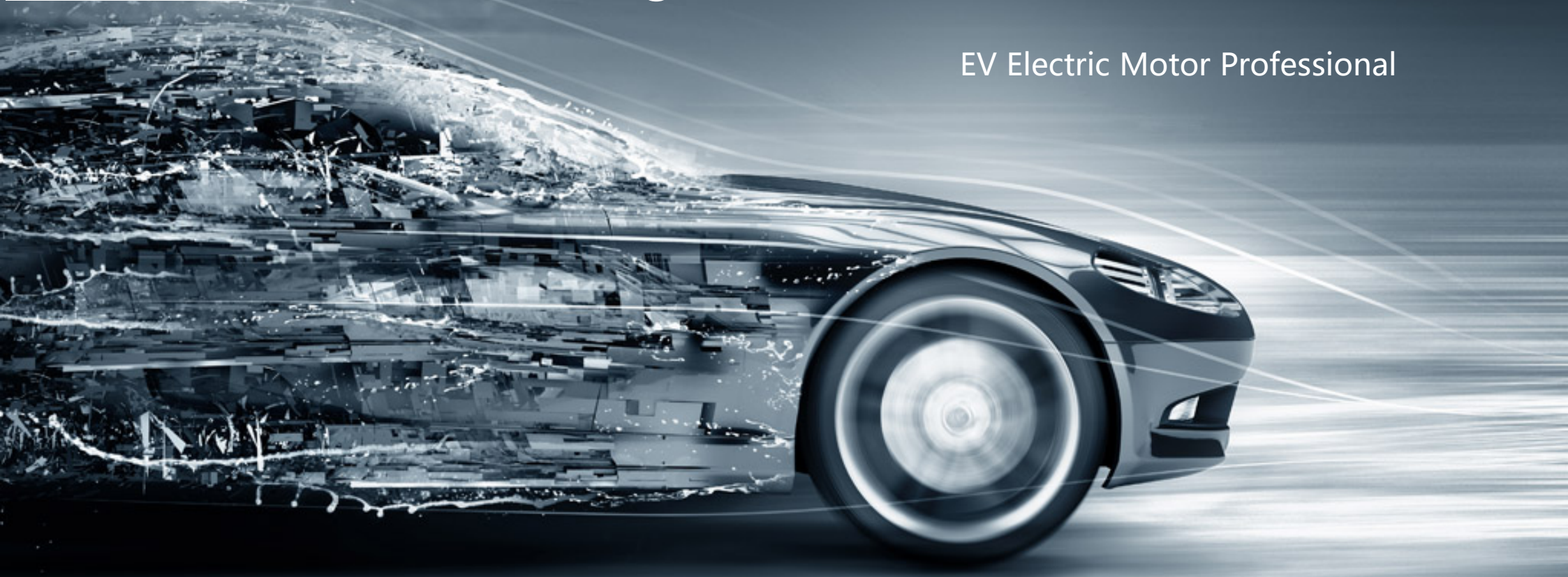




Xinda Motor

Shandong Xinda Motor Co.,Ltd.

EV Electric Motor Professional



Email: sales@xdmotor.tech

WA: +86 18606382728

Website: <http://www.xdmotor.tech>



Company profile



About Shandong Xinda Motor Co., Ltd.

Shandong Xinda Motor Co., Ltd. is a comprehensive high-tech enterprise specializing in the research, development and sales of high-performance switched reluctance motors, AC asynchronous motors, permanent magnet synchronous motors, DC brushless motors, DC brushed motors and intelligent control systems. The company was registered in November 2022 in Zibo High-tech Industrial Development Zone.

As a supplier of electric vehicle drive system, Xinda Motor is committed to creating light new energy vehicle drive system solutions, always put customers and meet customer needs in the first place, our products and solutions will make Xinda Motor become your reliable partner!



About Xinda Motor



Shandong Xinda Motor Co., Ltd.



Startup

2008年

Area

21,000+ m²

Property

¥ 145M+

Staff

165人

Engineers

43人

Patent

30+

Capacity

263340

Clients

280+

Revenue

¥ 180M

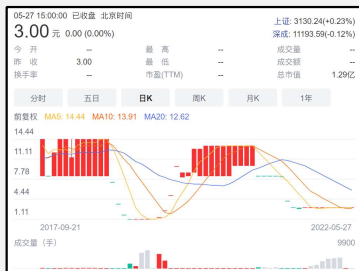


Company history



Xinda Motor

Listed on stock market



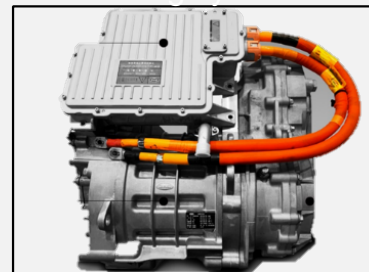
500,000th motor



millionth motor



new energy vehicle
driving system



Xinda Motor
start up



2008

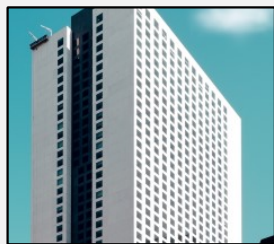
2012

2015

2017

2020

2022



R&D set up



Passed ISO



championship provincial



Star enterprise provincial

- Zibo short-distance pure electric passenger car motor engineering technology research center
- Shandong Province Small and Medium-sized Enterprises "Hidden Champion" Honorary Title
- Honorable title of Shandong Province Gazelle Enterprise
- Top 50 High Growth Enterprises in Zibo City
- Zibo "Specialized, Specialized and New" Small and Medium-sized Enterprises
- Top 100 Electric Vehicle Core Components
-



Motor product range



AC Asynchronous

Low-speed new energy vehicle mainstream products, the product of our company's market share of more than 50%. It has strong market competitiveness.



PMSM

Mainstream drive motor for electric vehicles with high power density and wide high efficiency zone. Applied to A00 class electric vehicles and special vehicles.



SRM and controller

Energy-saving and consumption-reducing alternative products for industrial motors, with independent patent design. Applied to textile, oil extraction, building materials manufacturing and other industries



DC brushed

Foreign imported alternative products. Mainly used in construction machinery aerial work trucks, crank trucks, spider trucks, etc.



Synchronous reluctance

Self-developed and designed with the advantages of high efficiency and low cost. Now it is gradually replacing AC asynchronous motors in the field of industrial motors.



Flagship Product-AC Asynchronous Motor Series——accept customization

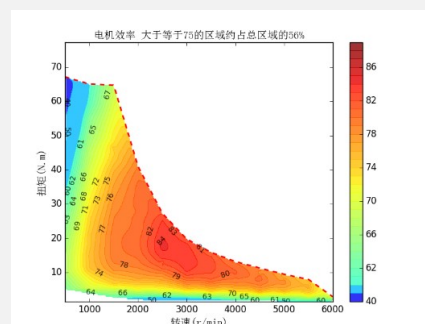
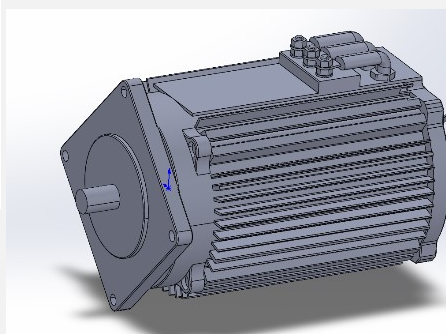


Xinda Motor

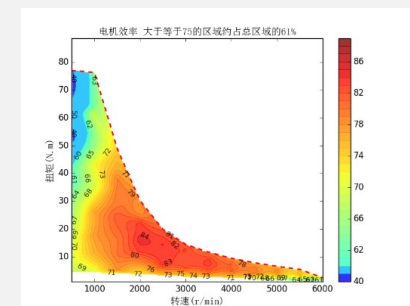
4-wheel driving motor



Motor Type	AC Asynchronous Motor	Model	YS155/175 Series
Rated Voltage(VDC)	48/60/72	Peak Power (kW)	4-20kW
Rated Power(kW)	2-10kW	Peak Torque(N.m)	35-130N.m
Rated Speed (rpm)	3000	Peak Speed (rpm)	6000
Insulation Grade	H	Protection Grade	IP54
Cooling Method	Natural Air Cooling	Working System	S9



3.5kW72VDC



4kW60VDC

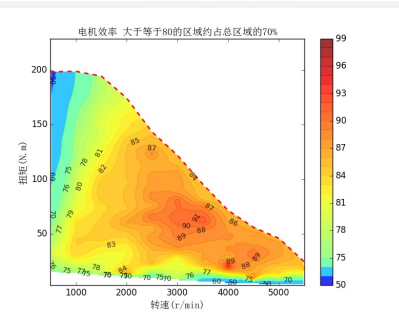
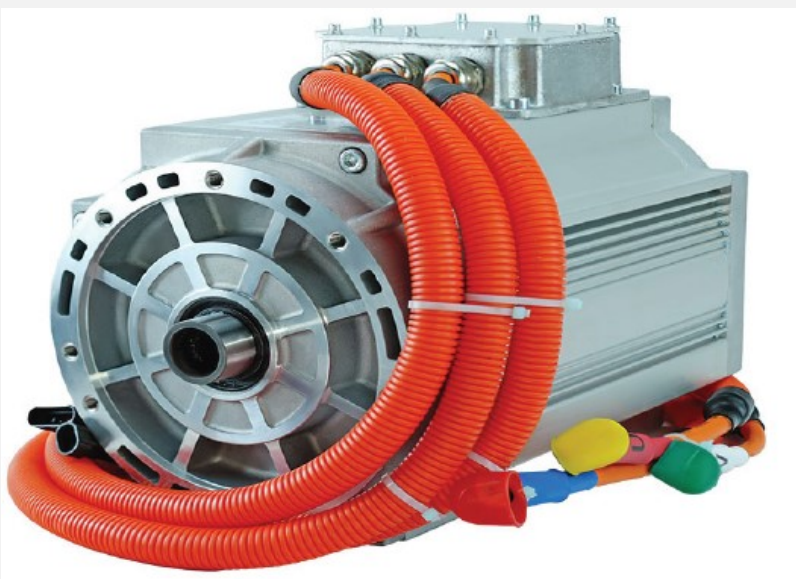


Flagship Product-AC Asynchronous Motor Series——accept customization

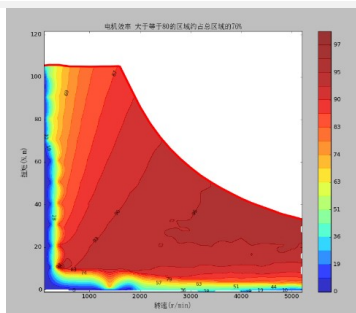


Xinda Motor

Logistic Vehicles Main Driving Motor



20kW144VDC



15kW144VDC

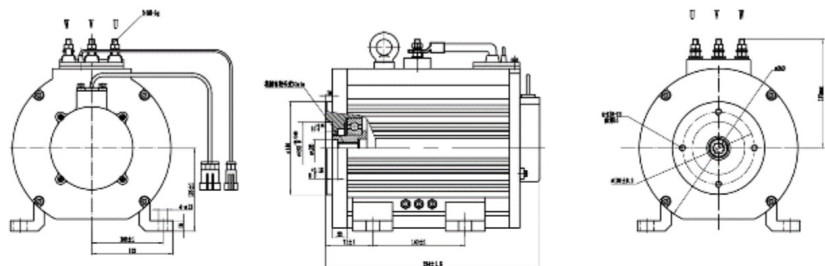
Motor Type	AC Asynchronous Motor	Model	YS175/210 Series
Rated Voltage(VDC)	96/108/144	Peak Power (kW)	15-40kW
Rated Power(kW)	7.5-20kW	Peak Torque(N.m)	100-200N.m
Rated Speed (rpm)	3000	Peak Speed (rpm)	7000
Insulation Grade	H	Protection Grade	IP66/IP67
Cooling Method	Natural Air Cooling	Working System	S9



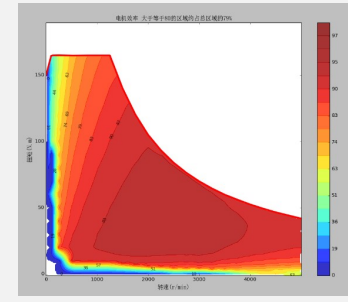
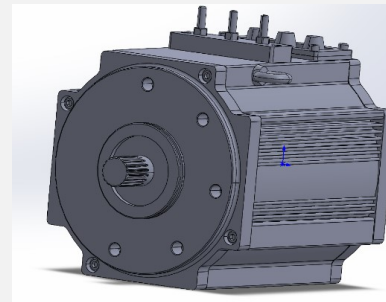
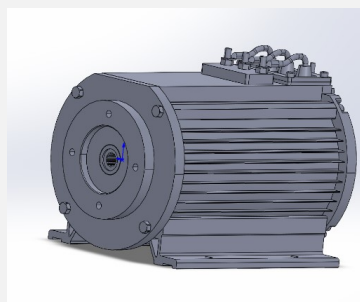
Main Products(Flagship Product)-AC Asynchronous Motor Series——accept customization



Forklift Motor: 0.5T-3.5T Driving/Oil Pump Motor



Motor Type	AC Asynchronous Motor	Model	YS155/175/210 Series
Rated Voltage(VDC)	48/80	Peak Power (kW)	6-40kW
Rated Power(kW)	3-20kW	Peak Torque(N.m)	55-180N.m
Rated Speed (rpm)	1000-3000	Peak Speed (rpm)	6000
Insulation Grade	H	Protection Grade	IP66/IP67
Cooling Method	Natural Air Cooling	Working System	S9/S3-15%

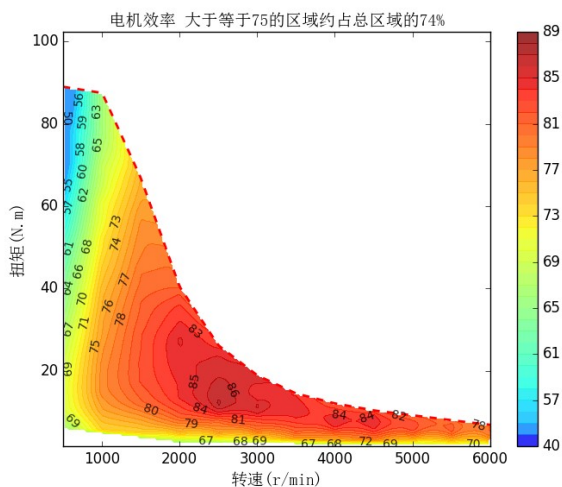




Main Products(Flagship Product)-AC Asynchronous Motor Series——accept customization

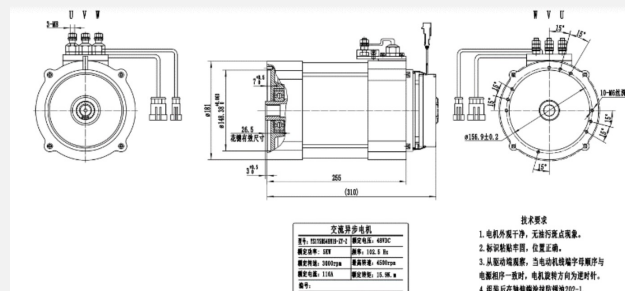
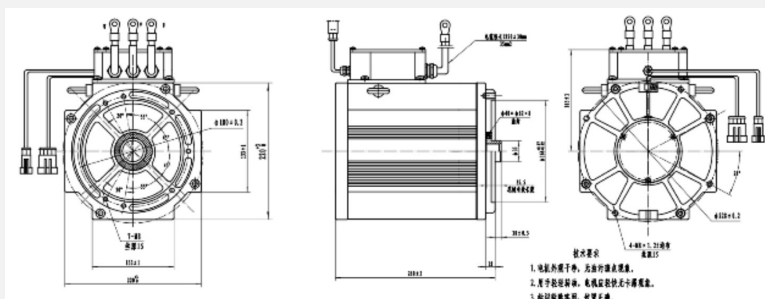


Sight Seeing Vehicle- Main Driving Motor



Motor Type	AC Asynchronous Motor	Model	YS155/175/210 Series
Rated Voltage(VDC)	48/60/72	Peak Power (kW)	6-30kW
Rated Power(kW)	3-15kW	Peak Torque(N.m)	55-180N.m
Rated Speed (rpm)	1000-3000	Peak Speed (rpm)	6000
Insulation Grade	H	Protection Grade	IP66/IP67
Cooling Method	Natural Air Cooling	Working System	S9

Brakes will be matched on request from clients





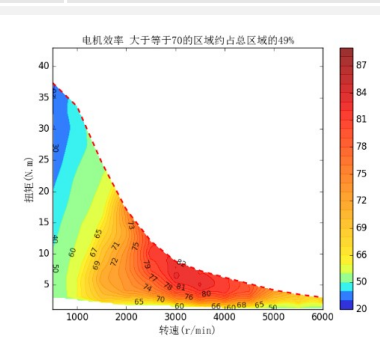
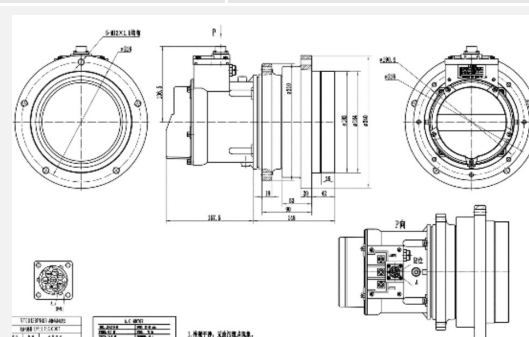
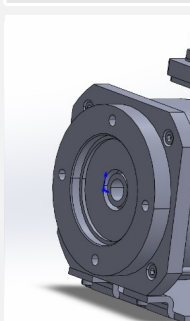
Main Products(Flagship Product)-AC Asynchronous Motor Series——accept customization



Engineering Mechanics- AC Asynchronous Motor



Motor Type	AC Asynchronous Motor	Model	YS138 Series
Rated Voltage(VDC)	24/48	Peak Power (kW)	1.5-10kW
Rated Power(kW)	0.7-5kW	Peak Torque(N.m)	10-80N.m
Rated Speed (rpm)	1000-3000	Peak Speed (rpm)	6000
Insulation Grade	H	Protection Grade	IP66/IP67
Cooling Method	Natural Air Cooling	Working System	S9
Speed Ratio	20/50/151: 1	Brakes	selectable on request from clients





Main Products(Flagship Product)-AC Asynchronous Motor Series——accept customization



Engineering Mechanics-AC Asynchronous Motor



Motor Parameter Chart-Driving Motor

Motor	Model	YS168H3.348E13	Motor Type	AC Asynchronous Motor
	Rated Power (kW)	3.3	Peak Power (kW)	7
	Rated Torque (Nm)	18	Peak Torque (Nm)	80
	Rated Speed (rpm)	1920	Peak Speed (rpm)	3100
	Rated Current (A)	103	Peak Current (A)	300
	Working Voltage (VDC)		Rated Voltage (VDC)	48
	Working System	S2-60min	Poles	4
Reducer	Speed Ratio	/		
Brakes	Brakes Voltage (VDC)	48	Brakes Power (W)	38
	Brakes Torque (Nm)	70		
	Assembly Weight (kg)		Protection Grade	IP54

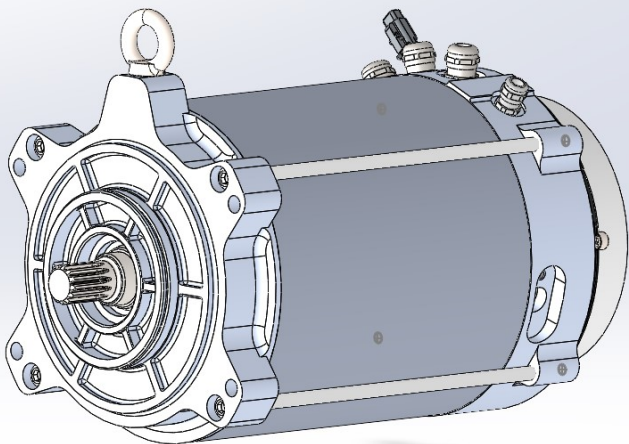


Main Products(Flagship Product)-AC Asynchronous Motor Series——accept customization



Xinda Motor

AC Asynchronous Motor for Engineering Mechinary



Motor Parameter Chart-Driving Motor

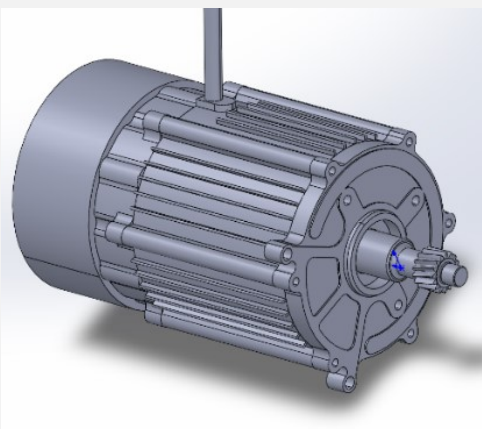
Motor	Model	YS188H3.5648E13	Motor Type	AC Asynchronous Motor
	Rated Power (kW)	3.56	Peak Power (kW)	8
	Rated Torque (Nm)	10	Peak Torque (Nm)	77
	Rated Speed (rpm)	3400	Peak Speed (rpm)	6000
	Rated Current (A)	125	Peak Current (A)	300
	Working Voltage (VDC)		Rated Voltage (VDC)	48
	Working System	S2-60min	Poles	4
	Cooling Method	Natural Air Cooling		
Brakes	Brakes Voltage (VDC)	48	Brakes Power (W)	38
	Brakes Torque (Nm)	70		
	Assembly Weight (kg)		Protection Grade	IP54



Main Products(Flagship Product))-PMSM Series——accept customization

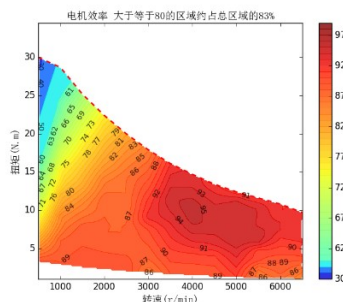
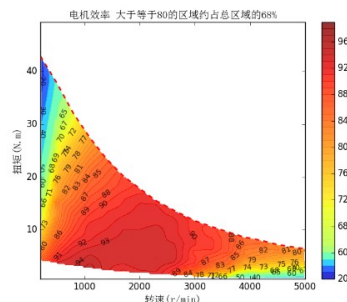
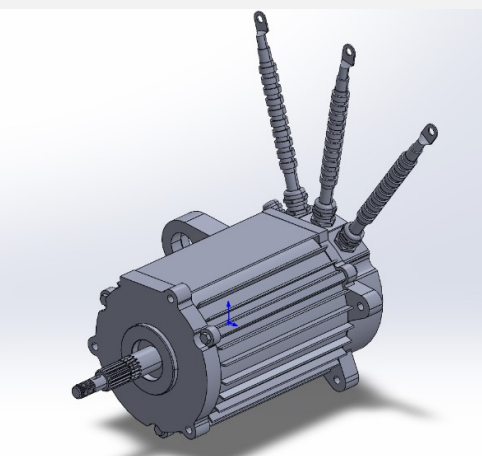


Main Driving Motor for AGV/Manless Driving/Motorcycle



Motor Type	PMSM	Model	TZ120/133 Series
Rated Voltage(VDC)	24/48/72	Peak Power (kW)	2-15
Rated Power(kW)	1-7.5	Peak Torque(N.m)	20-90
Rated Speed (rpm)	3000	Peak Speed (rpm)	6500/7000
Insulation Grade	H	Protection Grade	IP54/IP67
Cooling Method	Natural Air Cooling	Working System	S9

Brakes will be matched on request from clients

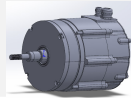




Main Products(Flagship Product))-PMSM Series——accept customization



PMSM for Engineering Machinery



Motor Parameter Chart-Driving Motor

Motor	Model	TZ130C0.824E13	Motor Type	PMSM
	Rated Power (kW)	0.8	Peak Power (kW)	1
	Rated Torque (Nm)	3	Peak Torque (Nm)	10.5
	Rated Speed (rpm)	2547	Peak Speed (rpm)	3600
	Rated Current (A)	34	Peak Current (A)	120
	Working Voltage (VDC)	/	Rated Voltage (VDC)	24
	Working System	S2-60min	Poles	8
Reducer	Speed Ratio	45.13: 1		
Brakes	Brakes Voltage (VDC)	24	Brakes Power (W)	14.4
	Brakes Torque (Nm)	12		
	Assembly Weight (kg)		Protection Grade	IP54

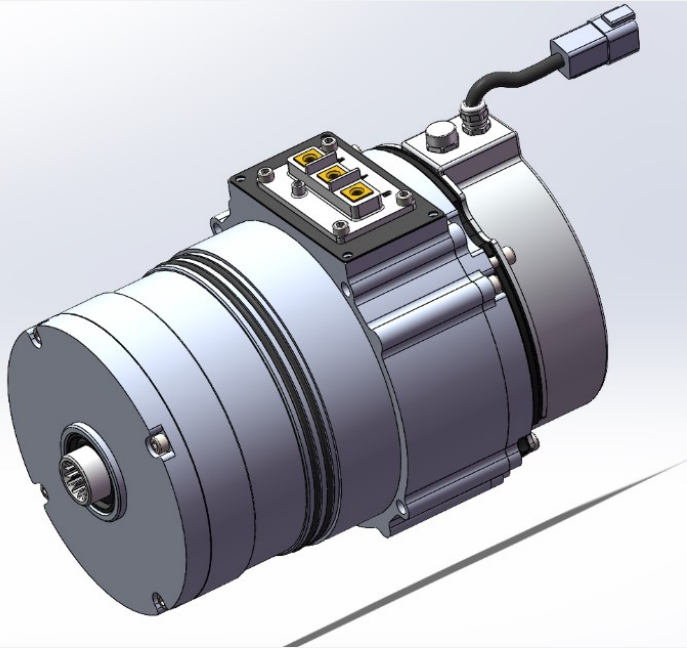


Main Products(Flagship Product))-PMSM Series——accept customization



Xinda Motor

PMSM for Engineering Machinery



Motor Parameter Chart-Driving Motor

Motor	Model	TZ155C5.248N13	Motor Type	PMSM
	Rated Power (kW)	5.2	Peak Power (kW)	10.5
	Rated Torque (Nm)	18	Peak Torque (Nm)	70
	Rated Speed (rpm)	2800	Peak Speed (rpm)	3800
	Rated Current (A)	120	Peak Current (A)	250
	Working Voltage (VDC)	/	Rated Voltage (VDC)	48
	Working System	S2-60min	Poles	8
Reducer	Speed Ratio	151: 1		
Brakes	Brakes Voltage (VDC)	48	Brakes Power (W)	144
	Brakes Torque (Nm)	85		
	Assembly Weight (kg)		Protection Grade	IP67

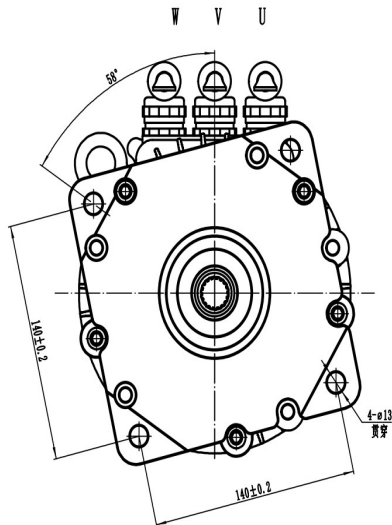
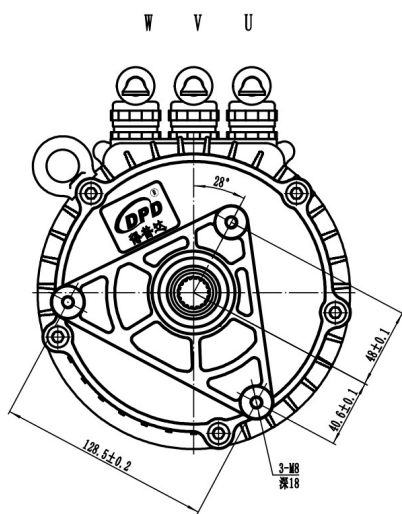


Main Products(Flagship Product))-PMSM Series——accept customization

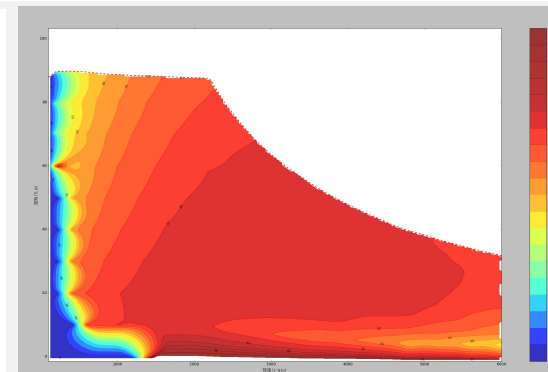
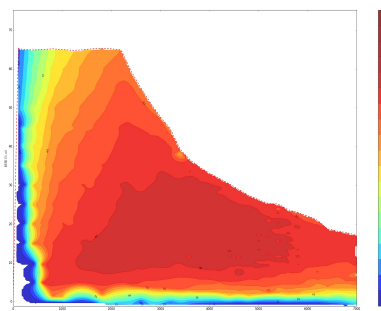


Xinda Motor

Micro Logistic Vehicles Main Driving Motor



Motor Type	PMSM	Model	TZ155 Series
Rated Voltage(VDC)	60/72/96	Peak Power (kW)	10/15
Rated Power(kW)	5/7.5	Peak Torque(N.m)	65/90
Rated Torque(N.m)	15.9/23.7	Peak Speed (rpm)	6500/7000
Insulation Grade	H	Protection Grade	IP67
Cooling Method	Natural Air Cooling	Working System	S9





Main Products(Flagship Product))-PMSM Series——accept customization

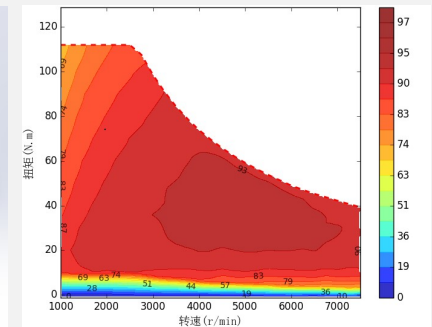
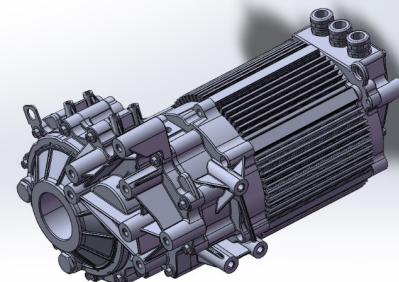
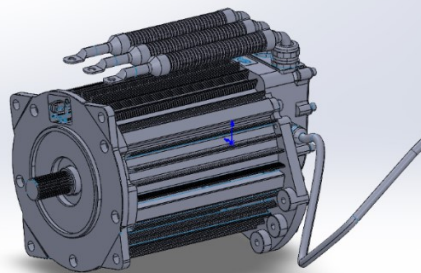


Xinda Motor

Main Driving Motor for A00 Grade Passenger Vehicle



Motor Type	PMSM	Model	TZ155/160 Series
Rated Voltage(VDC)	96/115/144	Peak Power (kW)	20/25/29
Rated Power(kW)	12/13/15	Peak Torque(N.m)	85-110
Rated Torque(N.m)	15.9	Peak Speed (rpm)	7000
Insulation Grade	H	Protection Grade	IP67
Cooling Method	Natural Air Cooling	Working System	S9

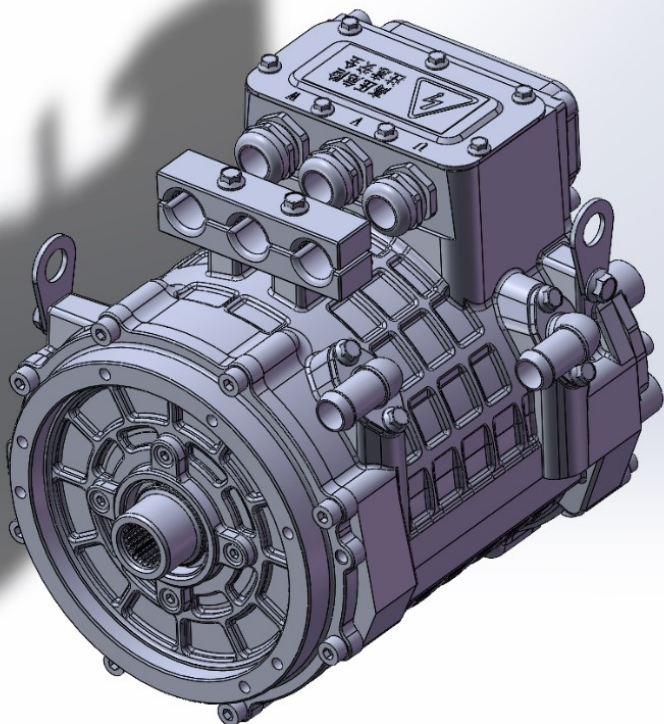




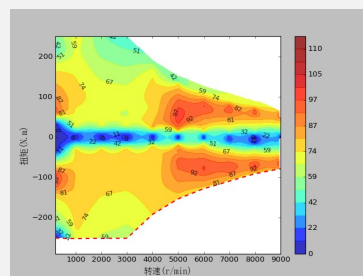
Main Products(Flagship Product))-PMSM Series——accept customization



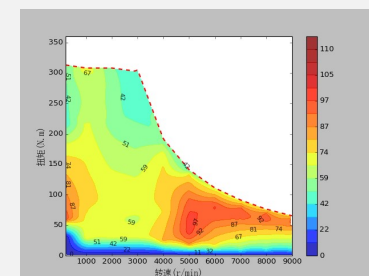
Logistic Vehicles Main Driving Motor-2.5T\3.5T Light Truck



Motor Type	PMSM	Model	TZ180 Series
Rated Voltage(VDC)	336	Peak Power (kW)	70/90
Rated Power(kW)	30/40	Peak Torque(N.m)	230/300
Rated Speed (rpm)	3185	Peak Speed (rpm)	9000/12000
Insulation Grade	H	Protection Grade	IP67
Cooling Method	Liquid Cooling	Working System	S9



30kW336VDC



40kW336VDC



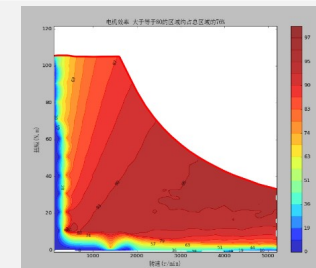
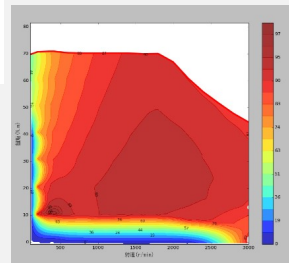
Main Products(Flagship Product))-PMSM Series——accept customization



Xinda Motor

Forklift Motor-1T-3.5T Driving/Oil Pump Motor

Motor Type	PMSM	Model	TZ180/210 Series
Rated Voltage(VDC)	48/80	Peak Power (kW)	6-36
Rated Power(kW)	3-18	Peak Torque(N.m)	50/185
Rated Speed (rpm)	3000	Peak Speed (rpm)	6000
Insulation Grade	H	Protection Grade	IP67
Cooling Method	Natural Air Cooling	Working System	S9/S3-15%



3.5T Forklift/Oil Pump Motor 3.5T Forklift Driving Motor

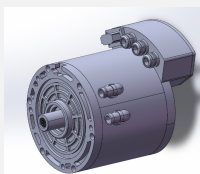


Main Products(Flagship Product))-PMSM Series——accept customization



Forklift Motor-4T-10T Driving/Oil Pump Motor

Motor Type	PMSM	Model	TZ180/210 Series
Rated Voltage(VDC)	309	Peak Power (kW)	60/70/90/110
Rated Power(kW)	30/35/45/55	Peak Torque(N.m)	180/300/480/580
Rated Speed (rpm)	3000	Peak Speed (rpm)	9000
Insulation Grade	H	Protection Grade	IP67
Cooling Method	Liquid Cooling	Working System	S9/S3-15%



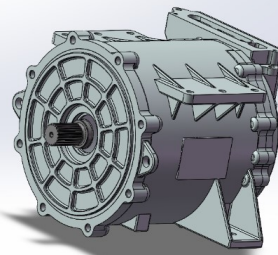
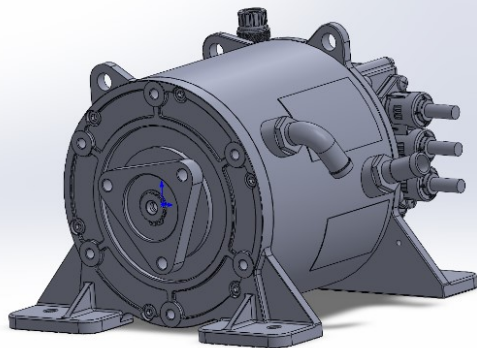
电动叉车用PMSM							
Capacity (T)	Product Type (PMSM)	Voltage Platform (DC/V)	Rated Power (kW)	Rated Torque (N.m)	Peak Power (kW)	Peak Torque (N.m)	Peak Speed (rpm)
4-5.5	Driving Motor	309	30	35.8	60	300	8000
4-5.5	Oil Pump Motor	309	35	111	45	180	3000
6-8	Driving Motor	309	45	46	94	480	9500
6-8	Oil Pump Motor	309	70	222	90	350	3000
8-10	Driving Motor	309	54.5	65	100	580	8000
8-10	Oil Pump Motor	309	70	222	90	350	3000
6-8/8-10	Double Oil Pump	309	35	111	45	180	3000



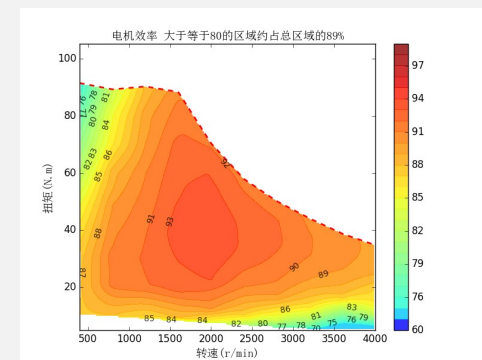
Main Products(Flagship Product))-PMSM Series——accept customization



Excavators for construction vehicles-1T-9.5T Main Drivinig Motor



Motor Type	PMSM	Model	TZ180/210 Series
Rated Voltage(VDC)	320	Peak Power (kW)	20-90
Rated Power(kW)	10-47	Peak Torque(N.m)	100/400
Rated Speed (rpm)	1500	Peak Speed (rpm)	4500
Insulation Grade	H	Protection Grade	IP67
Cooling Method	Liquid Cooling	Working System	S9

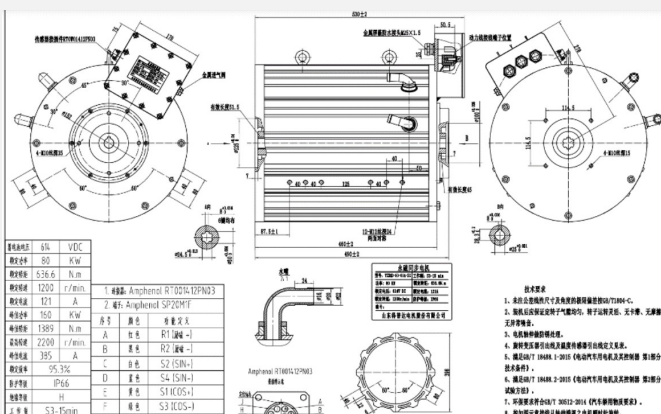




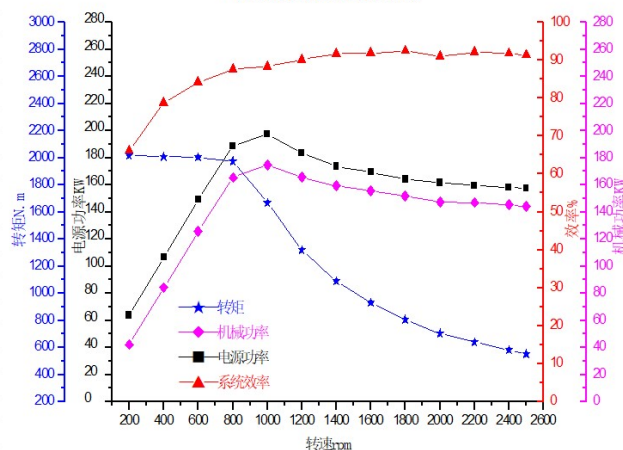
Main Products(Flagship Product))-PMSM Series——accept customization



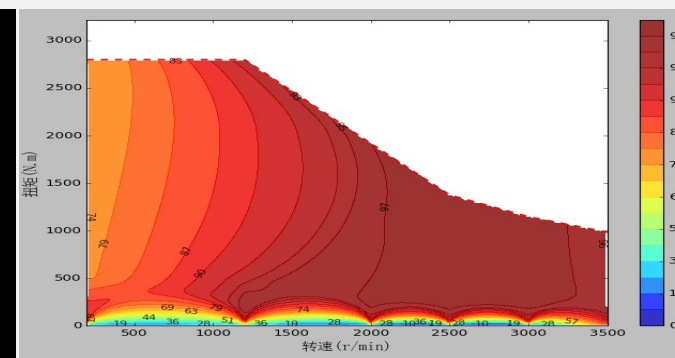
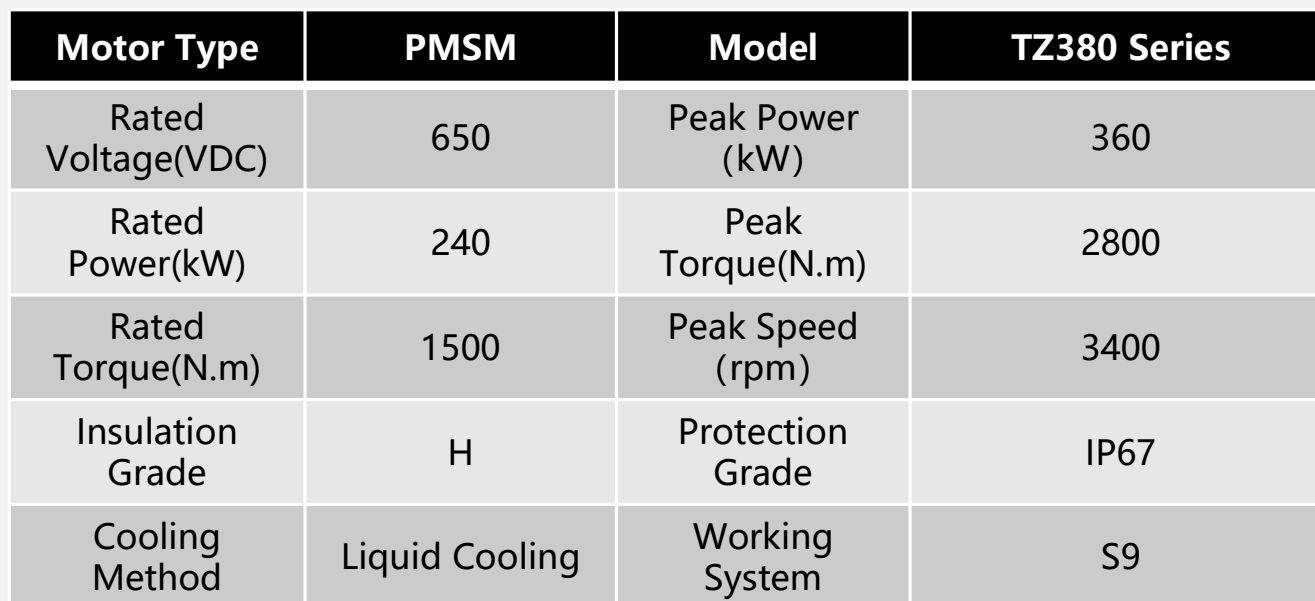
Construction Vehicle Loader-3T-10T Driving Motor/Oil Pump Motor



峰值转矩功率效率曲线



Motor Type	PMSM	Model	TZ327/380 Series
Rated Voltage(VDC)	540	Peak Power (kW)	80-240
Rated Power(kW)	60-120	Peak Torque(N.m)	600-2500
Rated Speed (rpm)	1500	Peak Speed (rpm)	4500
Insulation Grade	H	Protection Grade	IP67
Cooling Method	Liquid Cooling	Working System	S9/S3-15%

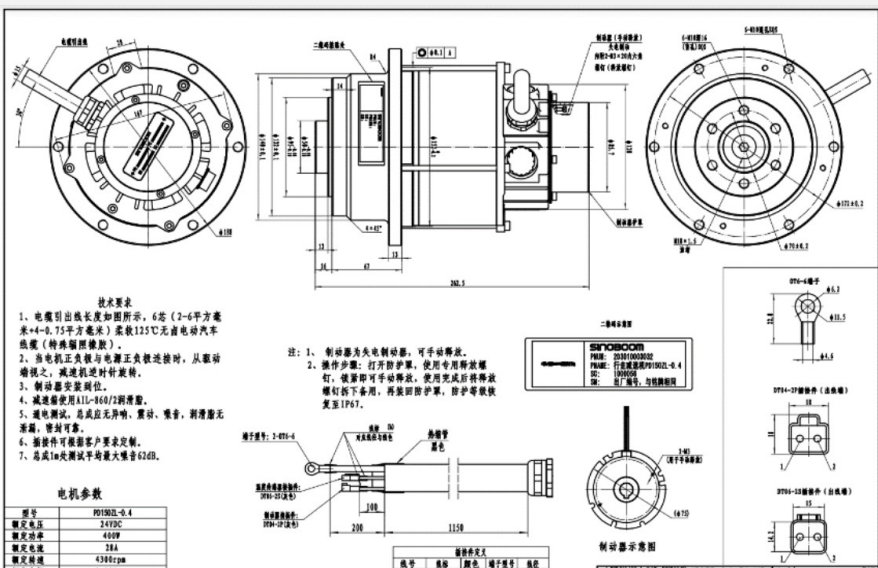




Main Products(Flagship Product) –BLDC Series——accept customization



Electric drive axle for construction vehicles-BLDC System



Motor Type	DC Brush Drive Axle	Model	150ZD Series
Rated Voltage(VDC)	24	Peak Power (kW)	1.5
Rated Power(kW)	0.4	Peak Torque(N.m)	12
Rated Speed (rpm)	4500	Peak Speed (rpm)	5000
Insulation Grade	H	Protection Grade	IP67
Cooling Method	Natural Air Cooling	Working System	S9

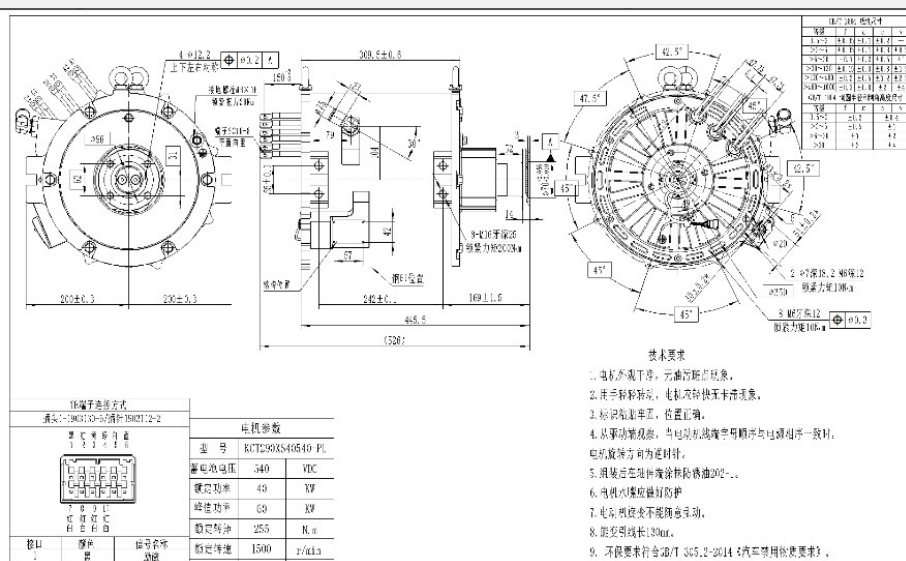


Main Products(Flagship Product) –SRM Series——accept customization



Xinda Motor

Switched Reluctance Motor



Motor Type	SRM	Model	KC160/400 Series
Rated Voltage(VDC)	60/72/540	Peak Power (kW)	3-150
Rated Power(kW)	1-100	Peak Torque(N.m)	30-1200
Rated Speed (rpm)	3000	Peak Speed (rpm)	8000
Insulation Grade	H	Protection Grade	IP67
Cooling Method	Natural Air Cooling/Liquid Cooling	Working System	S9





Main Products (Flagship Product) –Synchronous Reluctance Motors

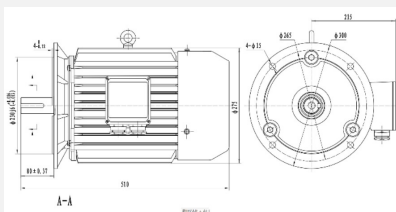


Xinda Motor

Synchronous Reluctance Motors

型号	额定功率 (Kw)	额定转速 (rpm)	额定电流 (A)	额定扭矩 (N·m)	额定效率 (%)	转速范围 (rpm)	最大扭矩 (N·m)
SynRM80-3C0.75F-B3-N1(ZL)	0.75	3000	2.4	2.3	83.5	1500-3600	3.45
SynRM80-3C1.1F-B3-N1(ZL)	1.1	3000	3.1	3.5	85.2	1500-3600	5.25
SynRM80-3C1.5F-B3-N1(ZL)	1.5	3000	3.9	4.7	86.5	1500-3600	7.05
SynRM80-3C2.2F-B3-N1(ZL)	2.2	3000	5.7	7.0	88.0	1500-3600	10.5
SynRM90-3C3F-B3-N1(ZL)	3	3000	8	9.5	89.1	1500-3600	14.25
SynRM90-3C4F-B3-N1(ZL)	4	3000	10	12.7	90	1500-3600	19.05
SynRM100-3C5.5F-B3-N1(ZL)	5.5	3000	15.2	17.5	90.9	1500-3600	26.25
SynRM112-3C7.5F-B3-N1(ZL)	7.5	3000	18.4	23.8	91.7	1500-3600	35.7
SynRM112-3C11F-B3-N1(ZL)	11	3000	28.5	35.0	92.6	1500-3600	52.5
SynRM132-3C15F-B3-N1(ZL)	15	3000	38.4	47.8	93.3	1500-3600	71.7
SynRM132-3C18.5F-B3-N1(ZL)	18.5	3000	43.5	58.7	93.7	1500-3600	88.05
SynRM132-3C22F-B3-N1(ZL)	22	3000	49.2	70.0	94	1500-3600	105
SynRM80-3C0.75F-V1-N1(ZL)	0.75	3000	2.4	2.3	83.5	1500-3600	3.45
SynRM80-3C1.1F-V1-N1(ZL)	1.1	3000	3.1	3.5	85.2	1500-3600	5.25
SynRM80-3C1.5F-V1-N1(ZL)	1.5	3000	3.9	4.7	86.5	1500-3600	7.05
SynRM80-3C2.2F-V1-N1(ZL)	2.2	3000	5.7	7.0	88	1500-3600	10.5
SynRM90-3C3F-V1-N1(ZL)	3	3000	8	9.5	89.1	1500-3600	14.25
SynRM90-3C4F-V1-N1(ZL)	4	3000	10	12.7	90.0	1500-3600	19.05
SynRM100-3C5.5F-V1-N1(ZL)	5.5	3000	15.2	17.5	90.9	1500-3600	26.25
SynRM112-3C7.5F-V1-N1(ZL)	7.5	3000	18.4	23.8	91.7	1500-3600	35.7
SynRM112-3C11F-V1-N1(ZL)	11	3000	28.5	35.0	92.6	1500-3600	52.5
SynRM132-3C15F-V1-N1(ZL)	15	3000	38.4	47.8	93.3	1500-3600	71.7
SynRM132-3C18.5F-V1-N1(ZL)	18.5	3000	43.5	58.7	93.7	1500-3600	88.05
SynRM132-3C22F-V1-N1(ZL)	22	3000	49.2	70.0	94	1500-3600	105

Motor Type	Synchronous Reluctance Motors	Model	SY112/132 Series
Rated Voltage(VDC)	540	Peak Power (kW)	1.5-44
Rated Power(kW)	0.75-22	Peak Torque(N.m)	30-140
Rated Speed (rpm)	3000	Peak Speed (rpm)	4500
Insulation Grade	H	Protection Grade	IP54
Cooling Method	Natural Air Cooling/Liquid Cooling	Working System	S1





Xinda Motor

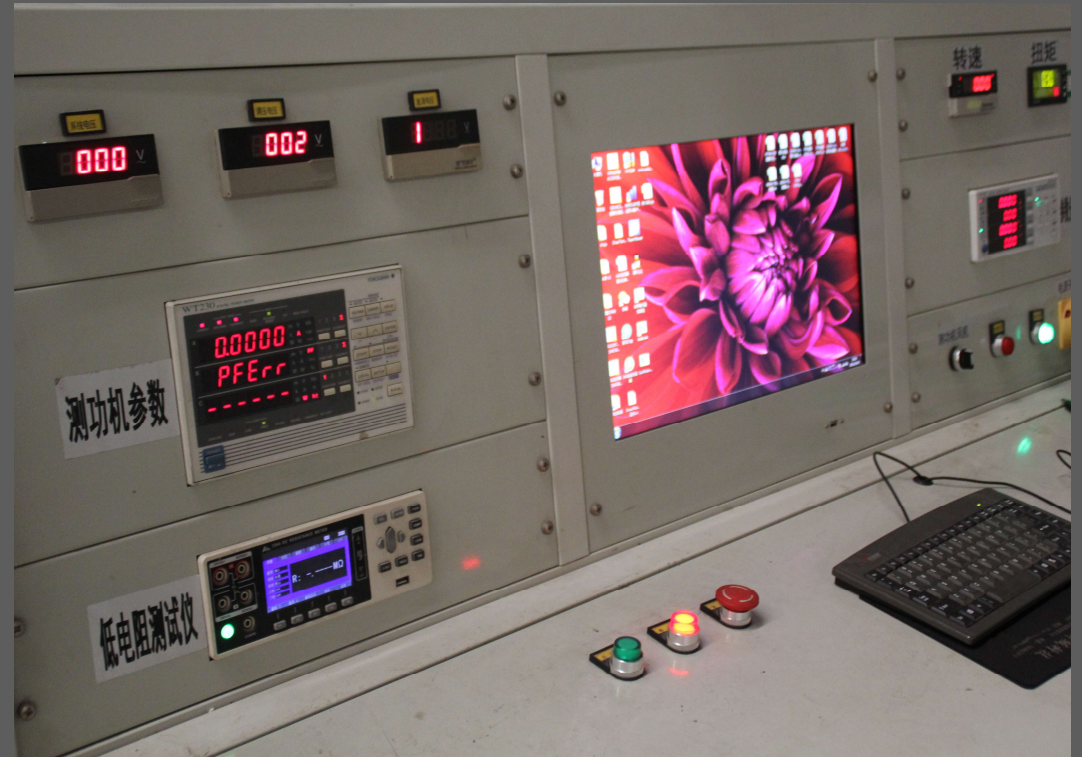
Inspection Equipment





Xinda Motor

Inspection Equipment





Xinda Motor

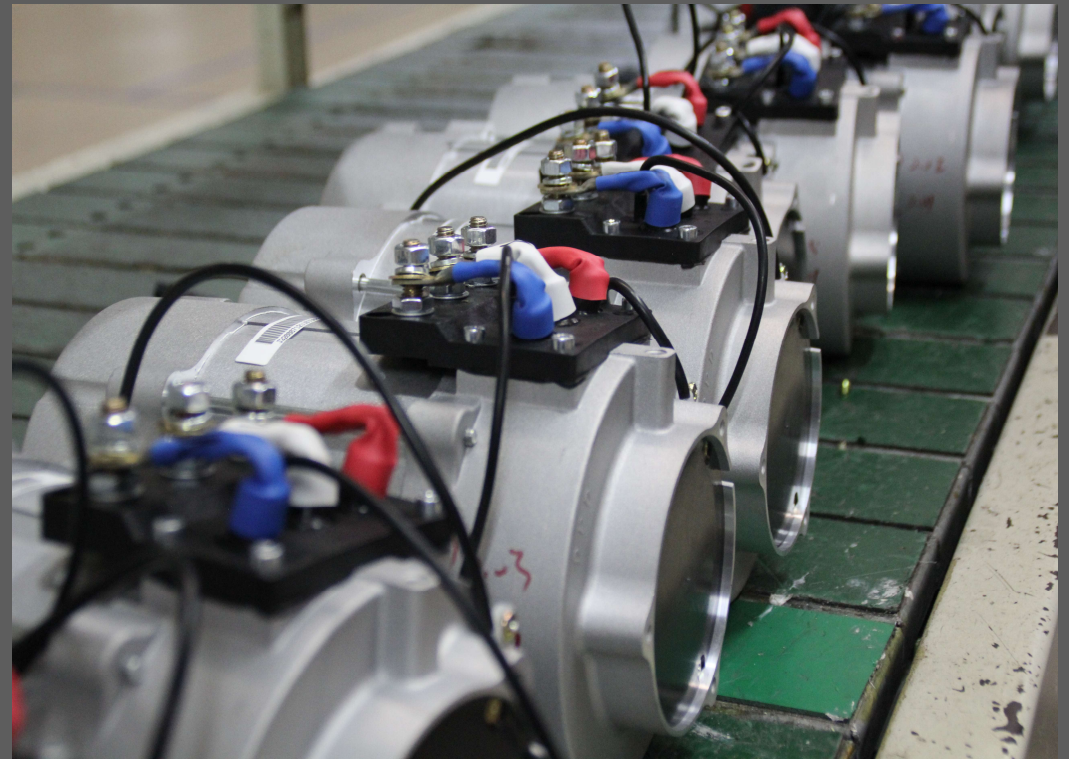
Workshop and Equipment





Xinda Motor

Workshop and Equipment





Xinda Motor

Workshop and Equipment



Gear Shaping Machine



CNC Lathe



Xinda Motor

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