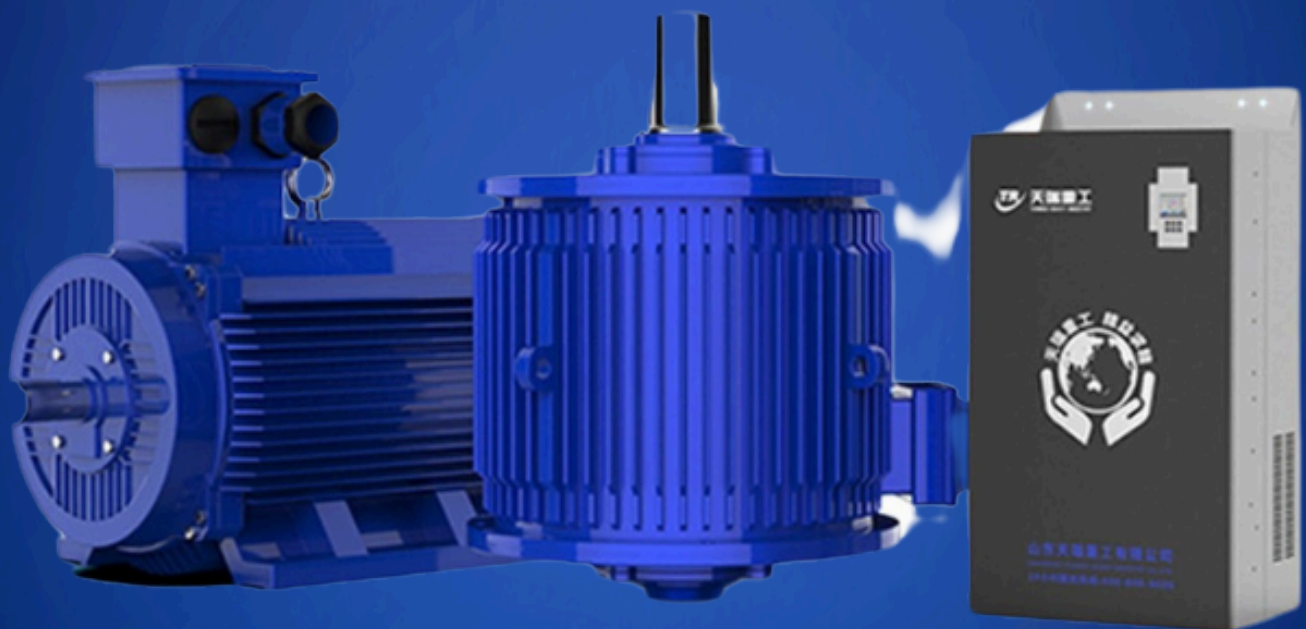


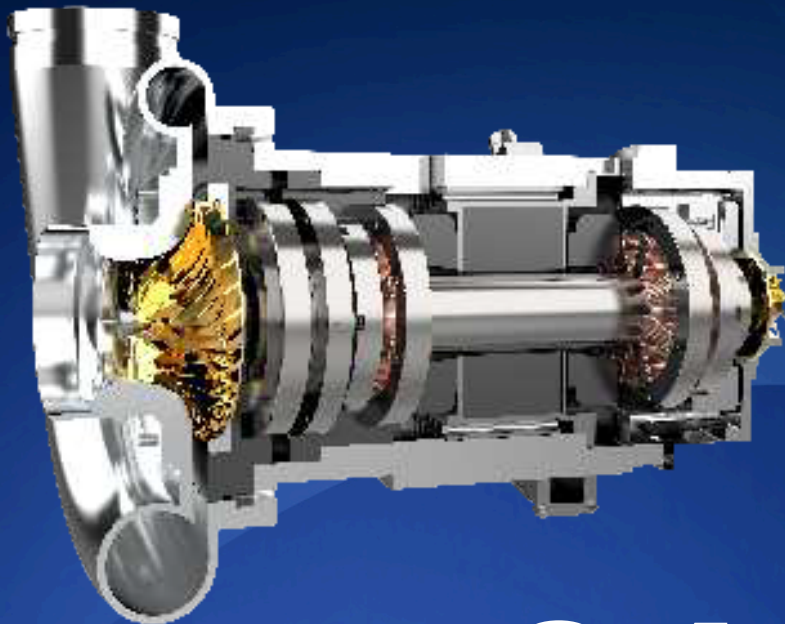
COMPANY PROFILE

MAGLEV AFRICA



MAGLEV ENERGY SAVING EQUIPMENT

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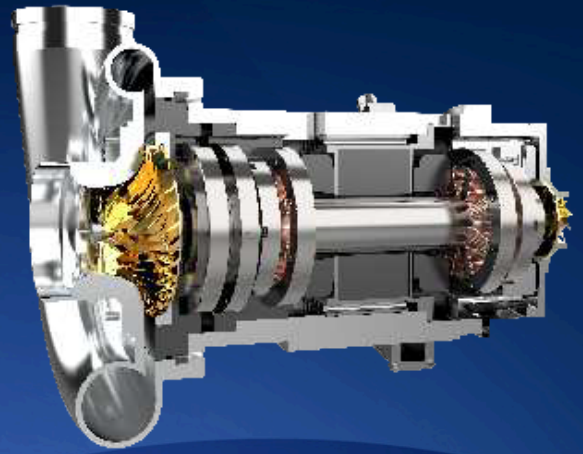
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Welcome to Our Company

Maglev South Africa stands at the forefront of industrial energy efficiency, delivering next-generation magnetic levitation (maglev) technology that transforms how industries manage power and sustainability. Our advanced maglev power solutions—including turbo blowers, vacuum pumps, air compressors, centrifugal water chillers (heat pumps), low-temperature waste heat generators, flywheel energy storage systems, and permanent magnet variable frequency twin screw air compressor —are engineered to reduce energy consumption by an average of 30% power saving gauranteed but could be as much as 50%, and significantly lower noise levels from, Max 70 - 80 Db.

Our technology is already making a measurable impact across sectors such as cement, paper, chemical, steel manufacturing, platinum, coal, chrome, gold, and powerstation industries where energy efficiency and operational performance are critical. By integrating maglev systems, businesses in the industry save substantially in electricity, low carbon dioxide emissions, oil oil-free and maintenance-free (20 years).

Our Mission

At Maglev South Africa, our mission is to revolutionize industrial energy systems through innovative magnetic levitation technology. We are committed to delivering high-efficiency, energy-saving solutions that reduce environmental impact, lower operational costs, and support global sustainability goals. By empowering industries with cleaner, quieter, and smarter power systems, we aim to lead the transition toward a more sustainable and energy-conscious future.

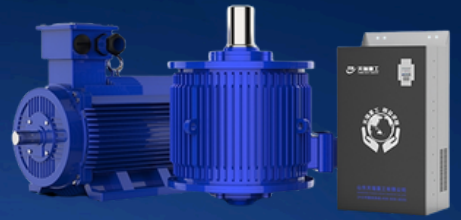
Our Vision variable

To be the leading provider of magnetic levitation energy solutions in Africa and beyond—driving industrial innovation, shaping a sustainable future, and setting new global standards in energy efficiency and environmental responsibility.

Our Goal

Our goal is to accelerate the adoption of maglev technology across key industries by providing reliable, high-performance energy solutions that achieve measurable energy savings, reduce carbon emissions, and minimize noise pollution. We aim to support our clients in meeting their sustainability targets while strengthening their operational efficiency and contributing to the global transition toward greener industrial practices.

Maglev Permanent Magnet Synchronous Direct Drive Motor



PMSM combines frequency conversion vector, permanent magnet direct drive, microelectronics control technology, removing the traditional deceleration device.

Connected with the load rotating shaft, it can drive load directly and simplify the transmission system structure, with the higher efficiency, noise reduction, convenient installation, without manual daily maintenance. Thus we can save a lot of manpower cost, reduce the environmental pollution in the production process, effectively reduce carbon emissions.

Energy Saving and Efficient

Reduced Transmission

The traditional reducer and hydraulic coupler are removed to reduce the power transmission loss.

High efficiency and low energy consumption

The efficiency of PMSM reaches the international iE 5 (national first-level energy consumption standard)

Soft Start

PMSM is controlled by a special frequency converter to realize the synchronous soft start and reduce the impact on the power grid.

Power Factor Compensation

The power factor of PMSM can reach 0.98, less reactive power loss of power grid.

Real-Time Monitoring

Real-time state detection: real-time monitoring of the running state and data of PMSM. Through data analysis, accurate maintenance reminder

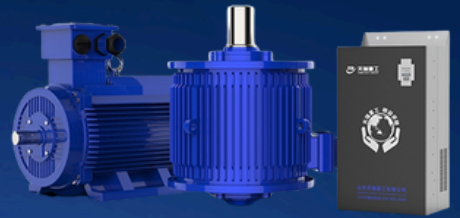
Real-time fault warning to avoid abnormal shutdown and avoid accidents.

Large Start Torque Strong Overload Ability

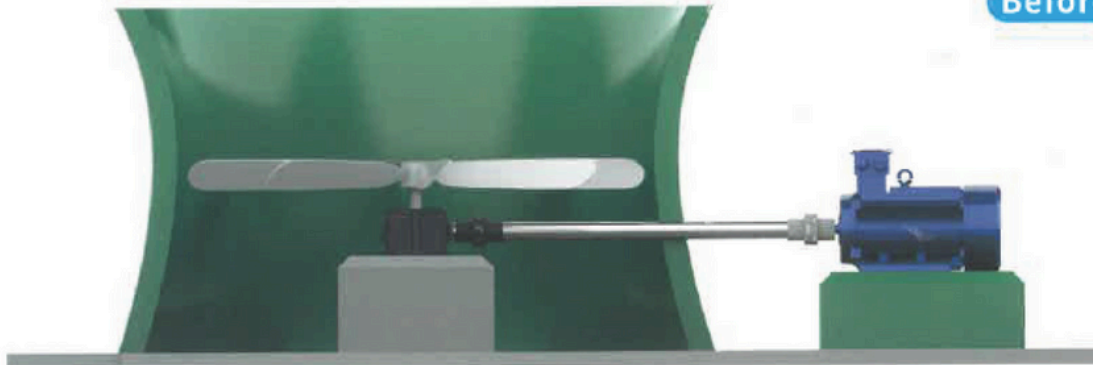
PMSM matches the intelligent synchronous frequency converter, which can consistently output 1.1 times the rated torque, instantaneous overload capacity 1.5 times the rated torque, the starting torque 2.2 times the rated torque, completely solve the problem of heavy starting difficulties, and avoid the

phenomenon of "big horse trolley" of a synchronous motor. 5

Maglev Permanent Magnet Synchronous Direct Drive Motor



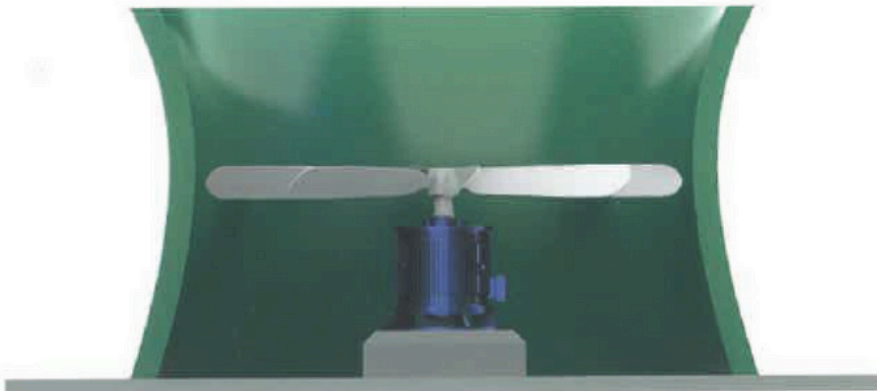
Before



Trouble:

1. The transmission shaft is long, the installation and debugging are troublesome, and the power transmission loss is large.
2. the reducer heat generating rate, weak heat dissipation capacity, reducer seal failure, serious oil leakage.
3. Large maintenance capacity and high cost.
4. The Angle of the fan should be adjusted to reduce the speed requirements, and the operation is cumbersome.

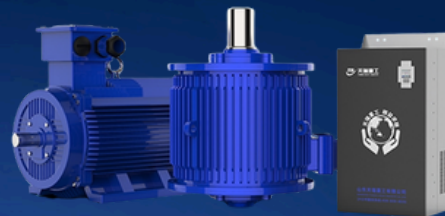
After



Advantages After Modification:

1. PMSM direct drive fan, improve the system efficiency.
2. Reduce the later maintenance volume and reduce the operating costs.
3. Configure a special frequency converter to reduce the starting current and reduce the impact on the power grid.
4. The system vibration is small with high equipment stability.
5. Adjust the speed of the motor in real time according to the ambient temperature.

Maglev Permanent Magnet Synchronous Direct Drive Motor



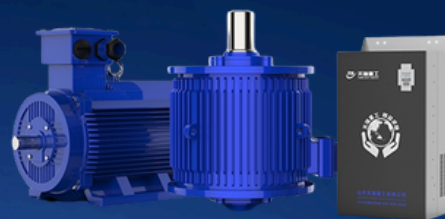
Performance Contrast

Performance	Tianrui Heavy Industry PMSM	Ordinary Asynchronous Motor
Energy Efficiency Level and Energy Saving Effect	All products meet or exceed the domestic level 1 energy efficiency (IE 5), with a comprehensive efficiency of 90%~97%, or even higher.	At present, most three-phase induction motors are the three-level energy efficiency (IE 1) standard, with a comprehensive efficiency of 65%~95%.
Stability Capacity and Overload Capacity	Strong large load unloading capacity, overload capacity no less than 1.5 times with good stable operation performance.	The instantaneous overload capacity is relatively weak.
Shock Noise	Small Vibration, Low Noise.	High vibration, High Noise.
Maintenance period	Relative Asynchronous Motor with Speed Reducer System Simple Maintenance, Long Period.	Frequent Maintenance with Short Period, Complex Maintenance and Heavy Work.
Impact on the Grid	High power factor, close to 1, improve the power grid quality factor.	A low power factor, with only 0.85-0.92, Reduce the power grid quality and increase the apparent power.

Specification and Model

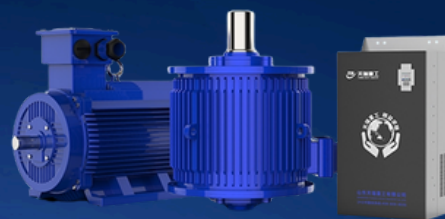
Low-voltage Conventional Direct-drive Three-phase PMSM							
Model	Rated Power	Speed	Rated Torque	Efficiency	Power Factor	Max Torque Multiple A	
	kW	r/min	N·m	%	cos φ	Rated	
						380	690
TRYC132-3000-5.5	5.5	3000	18	94.1	0.97	8.6	4.7
TRYC132-3000-7.5	7.5	3000	24	94.6	0.97	11.7	6.5
TRYC160-3000-11	11	3000	35	95.1	0.97	17.2	9.5
TRYC160-3000-15	15	3000	48	95.4	0.97	23.5	12.9
TRYC160-3000-18.5	18.5	3000	59	95.7	0.97	29.0	16.0
TRYC180-3000-22	22	3000	70	96	0.97	34.5	19.0
TRYC200-3000-30	30	3000	96	96.2	0.97	47.0	25.9
TRYC200-3000-37	37	3000	118	96.4	0.97	58.0	31.9
TRYC225-3000-45	45	3000	143	96.5	0.97	70.5	38.8
TRYC250-3000-55	55	3000	175	96.6	0.97	86.2	47.4
TRYC280-3000-75	75	3000	239	96.7	0.97	117.5	64.7
TRYC280-3000-90	90	3000	287	96.7	0.97	141.0	77.6

Maglev Permanent Magnet Synchronous Direct Drive Motor



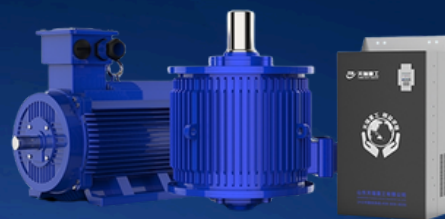
Low-voltage Conventional Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
						6000V	10000V
TRYC315-3000-110	110	3000	350	96.7	0.97	172.3	94.9
TRYC315-3000-132	132	3000	420	96.8	0.97	206.8	113.9
TRYC315-3000-160	160	3000	509	96.8	0.97	250.6	138.0
TRYC315-3000-185	185	3000	589	96.9	0.97	289.8	159.6
TRYC315-3000-200	200	3000	637	96.9	0.97	313.3	172.5
TRYC315-3000-220	220	3000	700	96.7	0.97	344.6	189.8
TRYC355-3000-250	250	3000	796	97.1	0.97	391.6	215.7
TRYC355-3000-280	280	3000	891	97.1	0.97	438.6	241.5
TRYC355-3000-315	315	3000	1003	97.2	0.97	493.4	271.7
TRYC132-1500-5.5	5.5	1500	35	92.2	0.97	8.6	4.7
TRYC132-1500-7.5	7.5	1500	48	92.7	0.97	17.2	6.5
TRYC160-1500-11	11	1500	70	93.7	0.97	23.5	9.5
TRYC160-1500-15	15	1500	96	94.1	0.97	29.0	12.9

Maglev Permanent Magnet Synchronous Direct Drive Motor



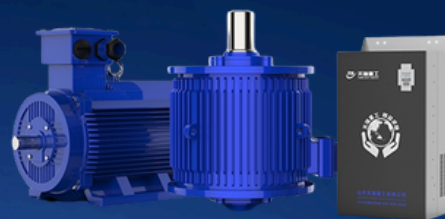
Low-voltage Conventional Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
						6000V	10000V
TRYC180-1500-18.5	18.5	1500	118	94.4	0.97	34.5	16.0
TRYC180-1500-22	22	1500	140	94.8	0.97	47.0	19.0
TRYC200-1500-30	30	1500	191	95.1	0.97	58.0	25.9
TRYC225-1500-37	37	1500	236	95.4	0.97	70.5	31.9
TRYC225-1500-45	45	1500	287	95.7	0.97	86.2	38.8
TRYC250-1500-55	55	1500	350	95.9	0.97	117.5	47.4
TRYC280-1500-75	75	1500	478	96.1	0.97	141.0	64.7
TRYC280-1500-90	90	1500	573	96.3	0.97	172.3	77.6
TRYC315-1500-110	110	1500	700	96.4	0.97	206.8	94.9
TRYC315-1500-132	132	1500	840	96.5	0.97	250.6	113.9
TRYC315-1500-160	160	1500	1019	96.5	0.97	289.8	138.0
TRYC315-1500-185	185	1500	1178	96.6	0.97	313.3	159.6
TRYC315-1500-200	200	1500	1273	96.6	0.97	344.6	172.5
TRYC315-1500-220	220	1500	1401	96.7	0.97	391.6	189.8
TRYC355-1500-250	250	1500	1592	97.1	0.97	438.6	215.7
TRYC355-1500-280	280	1500	1783	97.1	0.97	493.4	241.5
TRYC355-1500-315	315	1500	2006	97.2	0.97	556.1	271.7
TRYC355-1500-355	355	1500	2260	97.2	0.97	8.6	306.2

Maglev Permanent Magnet Synchronous Direct Drive Motor



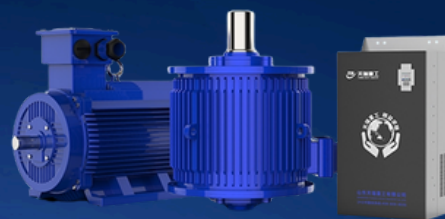
Low-voltage Conventional Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
						6000V	10000V
TRYC132-1000-5.5	5.5	1000	53	93.5	0.97	11.7	4.7
TRYC160-1000-7.5	7.5	1000	72	94.1	0.97	17.2	6.5
TRYC160-1000-11	11	1000	105	94.6	0.97	23.5	9.5
TRYC180-1000-15	15	1000	143	95	0.97	29.0	12.9
TRYC200-1000-18.5	18.5	1000	177	95.4	0.97	34.5	16.0
TRYC200-1000-22	22	1000	210	95.7	0.97	47.0	19.0
TRYC225-1000-30	30	1000	287	95.9	0.97	58.0	25.9
TRYC250-1000-37	37	1000	353	96.1	0.97	70.5	31.9
TRYC280-1000-45	45	1000	430	96.3	0.97	86.2	38.8
TRYC280-1000-55	55	1000	525	96.4	0.97	117.5	47.4
TRYC315-1000-75	75	1000	716	96.5	0.97	141.0	64.7
TRYC315-1000-90	90	1000	860	96.6	0.97	172.3	77.6
TRYC315-1000-110	110	1000	1051	96.6	0.97	206.8	94.9
TRYC315-1000-132	132	1000	1261	96.7	0.97	138.0	113.9
TRYC355-1000-160	160	1000	1528	97.1	0.97	250.6	138.0
TRYC355-1000-200	200	1000	1910	97.1	0.97	313.3	172.5
TRYC355-1000-250	250	1000	2388	97.2	0.97	391.6	215.7
TRYC355-1000-280	280	1000	2674	97.2	0.97	438.6	241.5

Maglev Permanent Magnet Synchronous Direct Drive Motor



Low-voltage Conventional Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
						6000V	10000V
TRYC132-500-5.5	5.5	500	105	88.5	0.97	8.6	4.7
TRYC160-500-7.5	7.5	500	143	89	0.97	11.7	6.5
TRYC160-500-11	11	500	210	91	0.97	17.2	9.5
TRYC180-500-15	15	500	287	91.7	0.97	23.5	12.9
TRYC200-500-18.5	18.5	500	353	92.8	0.97	29.0	16.0
TRYC200-500-22	22	500	420	93.4	0.97	34.5	19.0
TRYC225-500-30	30	500	573	93.7	0.97	47.0	25.9
TRYC250-500-37	37	500	707	94	0.97	58.0	31.9
TRYC280-500-45	45	500	860	94.3	0.97	70.5	38.8
TRYC280-500-55	55	500	1051	94.6	0.97	86.2	47.4
TRYC315-500-75	75	500	1433	94.8	0.97	117.5	64.7
TRYC315-500-90	90	500	1719	94.8	0.97	141.0	77.6
TRYC315-500-110	110	500	2101	95	0.97	172.3	94.9
TRYC315-500-132	132	500	2521	95	0.97	206.8	113.9
TRYC315-500-160	160	500	3056	95.2	0.97	250.6	138.0
TRYC355-500-160	160	500	3056	95.5	0.97	250.6	138.0
TRYC355-500-200	200	500	3820	95.8	0.97	313.3	172.5
TRYC355-500-250	250	500	4775	95.8	0.97	391.6	215.7

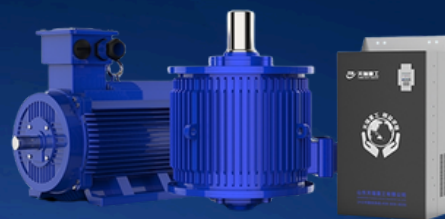
Maglev Permanent Magnet Synchronous Direct Drive Motor



Low-voltage Conventional Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
						6000V	10000V
TRYC355-500-280	280	500	5348	96.1	0.97	438.6	241.5
Note	TRYCXXX-XXX-XXX means Tianrui Permanent Magnet Common Specification-Device Number-Speed-Power						

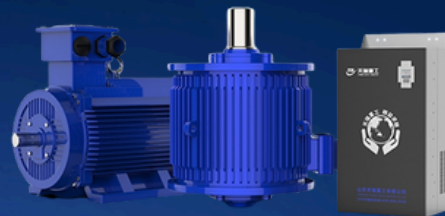
Low-voltage Low Speed Large Torque Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
TR-YD15-50	15	50	2865	88.8	0.97	380V	23.5 / 12.9
TR-YD15-75	15	75	1910	89	0.97	380V	23.5 / 12.9
TR-YD15-90	15	90	1592	89.3	0.97	380V	23.5 / 12.9
TR-YD15-110	15	110	1302	89.5	0.97	380V	23.5 / 12.9
TR-YD15-130	15	130	1102	89.8	0.97	380V	23.5 / 12.9
TR-YD15-150	15	150	955	90	0.97	380V	23.5 / 12.9
TR-YD15-170	15	170	843	90.3	0.97	380V	23.5 / 12.9
TR-YD15-200	15	200	716	90.5	0.97	380V	23.5 / 12.9
TR-YD15-300	15	300	478	90.8	0.97	380V	23.5 / 12.9
TR-YD15-400	15	400	358	91.5	0.97	380V	23.5 / 12.9
TR-YD15-500	15	500	287	92	0.97	380V	23.5 / 12.9
TR-YD15-600	15	600	239	92.5	0.97	380V	23.5 / 12.9

Maglev Permanent Magnet Synchronous Direct Drive Motor



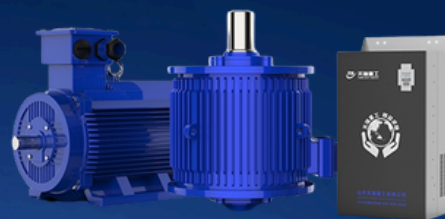
Low-voltage Low Speed Large Torque Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
TR-YD18.5-90	18.5	90	1963	90.5	0.97	29.0	16.0
TR-YD18.5-110	18.5	110	1606	90.8	0.97	29.0	16.0
TR-YD18.5-130	18.5	130	1359	91	0.97	29.0	16.0
TR-YD18.5-150	18.5	150	1178	91.3	0.97	29.0	16.0
TR-YD18.5-170	18.5	170	1039	91.5	0.97	29.0	16.0
TR-YD18.5-200	18.5	200	883	91.8	0.97	29.0	16.0
TR-YD18.5-300	18.5	300	589	92	0.97	29.0	16.0
TR-YD18.5-400	18.5	400	442	92.5	0.97	29.0	16.0
TR-YD18.5-500	18.5	500	353	93	0.97	29.0	16.0
TR-YD18.5-600	18.5	600	294	93.5	0.97	29.0	16.0
TR-YD22-50	22	50	4202	90.5	0.97	34.5	19.0
TR-YD22-75	22	75	2801	90.8	0.97	34.5	19.0
TR-YD22-90	22	90	2334	91	0.97	34.5	19.0
TR-YD22-110	22	110	1910	91.3	0.97	34.5	19.0
TR-YD22-130	22	130	1616	91.5	0.97	34.5	19.0
TR-YD22-150	22	150	1401	91.8	0.97	34.5	19.0
TR-YD22-170	22	170	1236	92	0.97	34.5	19.0
TR-YD22-200	22	200	1051	92.3	0.97	34.5	19.0

Maglev Permanent Magnet Synchronous Direct Drive Motor



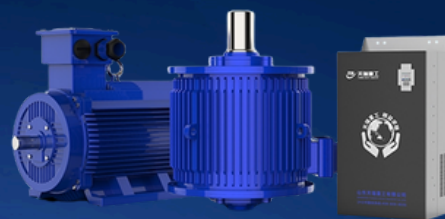
Low-voltage Low Speed Large Torque Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
TR-YD22-300	22	300	700	92.5	0.97	34.5	19.0
TR-YD22-400	22	400	525	93	0.97	34.5	19.0
TR-YD22-500	22	500	420	93.5	0.97	34.5	19.0
TR-YD22-600	22	600	350	93.8	0.97	34.5	19.0
TR-YD30-50	30	50	5730	91	0.97	47.0	25.9
TR-YD30-75	30	75	3820	91.3	0.97	47.0	25.9
TR-YD30-90	30	90	3183	91.5	0.97	47.0	25.9
TR-YD30-110	30	110	2605	91.8	0.97	47.0	25.9
TR-YD30-130	30	130	2204	92	0.97	47.0	25.9
TR-YD30-150	30	150	1910	92.3	0.97	47.0	25.9
TR-YD30-170	30	170	1685	92.5	0.97	47.0	25.9
TR-YD30-200	30	200	1433	92.8	0.97	47.0	25.9
TR-YD30-300	30	300	955	93	0.97	47.0	25.9
TR-YD30-400	30	400	716	93.5	0.97	47.0	25.9
TR-YD30-500	30	500	573	93.8	0.97	47.0	25.9
TR-YD30-600	30	600	478	94	0.97	47.0	25.9
TR-YD37-50	37	50	7067	91.5	0.97	58.0	31.9
TR-YD37-75	37	75	4711	91.8	0.97	58.0	31.9

Maglev Permanent Magnet Synchronous Direct Drive Motor



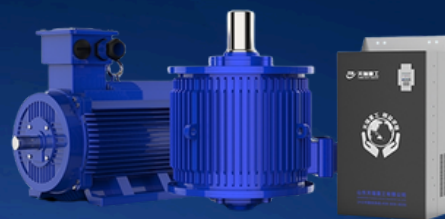
Low-voltage Low Speed Large Torque Direct-drive Three-phase PMSM							
Model	Rated power		Speed	Rated Torque	Efficiency	Power Factor	Rated Current A
	Kw		r/min	N-m	%	COS	Rated Voltage
TR-YD37-90	37		90	3926	92	0.97	58.0 31.9
TR-YD37-110	37		110	3212	92.3	0.97	58.0 31.9
TR-YD37-130	37		130	2718	92.5	0.97	58.0 31.9
TR-YD37-150	37		150	2356	92.8	0.97	58.0 31.9
TR-YD37-170	37		170	2079	93	0.97	58.0 31.9
TR-YD37-200	37		200	1767	93.3	0.97	58.0 31.9
TR-YD37-300	37		300	1178	93.5	0.97	58.0 31.9
TR-YD37-400	37		400	883	93.8	0.97	58.0 31.9
TR-YD37-500	37		500	707	94	0.97	58.0 31.9
TR-YD37-600	37		600	589	94.2	0.97	58.0 31.9
TR-YD45-50	45		50	8595	91.5	0.97	70.5 38.8
TR-YD45-75	45		75	5730	91.8	0.97	70.5 38.8
TR-YD45-90	45		90	4775	92	0.97	70.5 38.8
TR-YD45-110	45		110	3907	92.5	0.97	70.5 38.8
TR-YD45-130	45		130	3306	92.8	0.97	70.5 38.8
TR-YD45-150	45		150	2865	93	0.97	70.5 38.8
TR-YD45-170	45		170	2528	93.2	0.97	70.5 38.8
TR-YD45-200	45		200	2149	93.5	0.97	70.5 38.8

Maglev Permanent Magnet Synchronous Direct Drive Motor



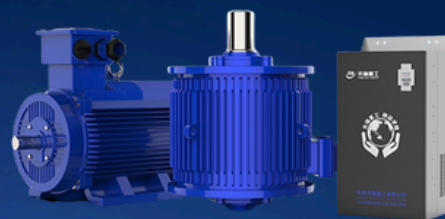
Low-voltage Low Speed Large Torque Direct-drive Three-phase PMSM							
Model	Rated power		Speed	Rated Torque	Efficiency	Power Factor	Rated Current A
	Kw		r/min	N-m	%	COS	Rated Voltage
TR-YD45-300	45	300	1432	94.5	0.97	70.5	38.8
TR-YD55-400	55	400	1315	94.6	0.97	70.5	38.8
TR-YD55-500	55	500	1051	94.7	0.97	70.5	38.8
TR-YD55-600	55	600	875	94.8	0.97	70.5	38.8
TR-YD55-75	55	75	9550	92.8	0.97	86.2	47.4
TR-YD55-90	55	90	7958	93	0.97	86.2	47.4
TR-YD55-110	55	110	6511	93.5	0.97	86.2	47.4
TR-YD55-130	55	130	5510	93.8	0.97	86.2	47.4
TR-YD55-150	55	150	4775	94	0.97	86.2	47.4
TR-YD55-170	55	170	4213	94.3	0.97	86.2	47.4
TR-YD55-200	55	200	3581	94.5	0.97	86.2	47.4
TR-YD55-300	55	300	2388	94.8	0.97	86.2	47.4
TR-YD75-50	75	50	1751	94.5	0.97	86.2	47.4
TR-YD75-75	75	75	14325	92.5	0.97	117.5	64.7
TR-YD75-90	75	90	1194	94.8	0.97	117.5	64.7
TR-YD75-110	75	110	1019	94.9	0.97	117.5	64.7
TR-YD75-130	75	130	875	95	0.97	117.5	64.7
TR-YD75-150	75	150	761	95.2	0.97	117.5	64.7

Maglev Permanent Magnet Synchronous Direct Drive Motor



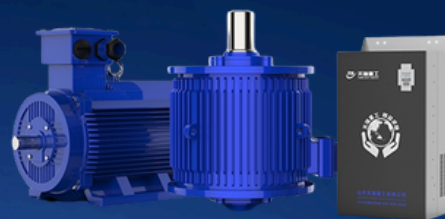
Low-voltage Low Speed Large Torque Direct-drive Three-phase PMSM							
Model	Rated power		Speed	Rated Torque	Efficiency	Power Factor	Rated Current A
	Kw		r/min	N-m	%	COS	Rated Voltage
TR-YD110-150	110	150	3336	95.5	0.97	172.3	94.9
TR-YD110-170	110	170	2988	95.8	0.97	172.3	94.9
TR-YD110-200	110	200	25212	96	0.97	172.3	94.9
TR-YD110-300	110	300	16808	96.5	0.97	172.3	94.9
TR-YD132-50	132	50	9697	94.1	0.97	206.8	113.9
TR-YD132-75	132	75	8404	94.4	0.97	206.8	113.9
TR-YD132-90	132	90	7415	94.6	0.97	206.8	113.9
TR-YD132-110	132	110	6303	94.8	0.97	206.8	113.9
TR-YD132-130	132	130	5253	95	0.97	206.8	113.9
TR-YD132-150	132	150	4202	95.2	0.97	206.8	113.9
TR-YD132-170	132	170	3502	95.5	0.97	206.8	113.9
TR-YD132-200	132	200	25212	96	0.97	206.8	113.9
TR-YD132-300	132	300	16808	96.5	0.97	206.8	113.9
TR-YD160-50	160	50	30560	93.3	0.97	250.6	138.0
TR-YD160-75	160	75	21222	93.8	0.97	250.6	138.0
TR-YD160-90	160	90	16978	94.3	0.97	250.6	138.0
TR-YD160-110	160	110	13891	94.6	0.97	250.6	138.0

Maglev Permanent Magnet Synchronous Direct Drive Motor



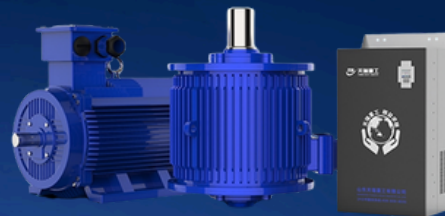
Low-voltage Low Speed Large Torque Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
TR-YD160-150	160	150	10187	95	0.97	250.6	138.0
TR-YD160-170	160	170	8988	95.2	0.97	250.6	138.0
TR-YD160-200	160	200	7640	95.5	0.97	250.6	138.0
TR-YD160-300	160	300	5093	96	0.97	250.6	138.0
TR-YD200-50	200	50	38200	93.5	0.97	313.3	172.5
TR-YD200-75	200	75	25467	94.3	0.97	313.3	172.5
TR-YD200-90	200	90	17364	94.8	0.97	313.3	172.5
TR-YD200-110	200	110	12235	95	0.97	313.3	172.5
TR-YD200-130	200	130	9550	95.2	0.97	313.3	172.5
TR-YD200-150	200	150	7500	95.5	0.97	313.3	172.5
TR-YD200-170	200	170	6367	95.8	0.97	313.3	172.5
TR-YD200-200	200	200	47750	96	0.97	313.3	172.5
TR-YD200-300	200	300	31833	96.5	0.97	313.3	172.5
TR-YD250-50	250	50	18365	94.3	0.97	391.6	215.7
TR-YD250-75	250	75	15917	94.8	0.97	391.6	215.7
TR-YD250-90	250	90	14044	95.3	0.97	391.6	215.7
TR-YD250-110	250	110	11938	95.5	0.97	391.6	215.7
TR-YD250-130	250	130	10111	95.8	0.97	391.6	215.7

Maglev Permanent Magnet Synchronous Direct Drive Motor



Low-voltage Low Speed Large Torque Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
TR-YD250-150	250	150	8588	96	0.97	391.6	215.7
TR-YD250-170	250	170	7365	96.5	0.97	391.6	215.7
TR-YD250-200	250	200	5890	97	0.97	391.6	215.7
TR-YD250-300	250	300	7958	95.8	0.97	391.6	215.7
TR-YD315-50	315	50	60165	94	0.97	493.4	271.7
TR-YD315-75	315	75	40110	94.3	0.97	493.4	271.7
TR-YD315-90	315	90	33425	94.5	0.97	493.4	271.7
TR-YD315-110	315	110	27348	94.8	0.97	493.4	271.7
TR-YD315-130	315	130	23140	95	0.97	493.4	271.7
TR-YD315-150	315	150	20055	95.3	0.97	493.4	271.7
TR-YD315-170	315	170	17696	95.5	0.97	493.4	271.7
TR-YD315-200	315	200	15041	95.8	0.97	493.4	271.7
TR-YD315-300	315	300	10028	96	0.97	493.4	271.7
Note	TR-YDXXX-X means Tianrui Permanent Magnet Large torque-Rated Power-Rated Speed.						

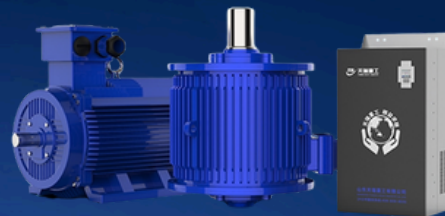
Maglev Permanent Magnet Synchronous Direct Drive Motor



High-voltage Conventional Direct-drive Three-phase PMSM

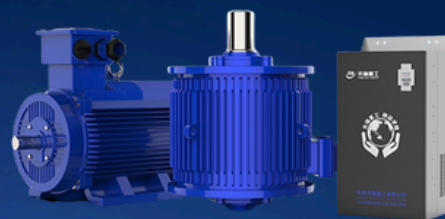
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
						6000V	10000V
TRYG355-1500-185	185	1500	1178	94.1	0.96	18.5	11.1
TRYG355-1500-220	220	1500	1401	94.3	0.96	22.1	13.2
TRYG355-1500-250	250	1500	1592	94.4	0.96	25.1	15.0
TRYG400-1500-280	280	1500	1783	94.5	0.96	28.1	16.8
TRYG400-1500-315	315	1500	2006	94.6	0.96	31.6	18.9
TRYG450-1500-355	355	1500	2260	94.8	0.96	35.6	21.4
TRYG450-1500-400	400	1500	2547	95	0.96	40.1	24.1
TRYG450-1500-450	450	1500	2865	95.1	0.96	45.1	27.1
TRYG450-1500-500	500	1500	3183	95.2	0.96	50.1	30.1
TRYG450-1500-560	560	1500	3565	95.4	0.96	56.1	33.7
TRYG450-1500-630	630	1500	4011	95.6	0.96	63.1	37.9
TRYG500-1500-800	800	1500	5093	95.8	0.96	80.2	48.1
TRYG500-1500-900	900	1500	5730	95.9	0.96	90.2	54.1

Maglev Permanent Magnet Synchronous Direct Drive Motor



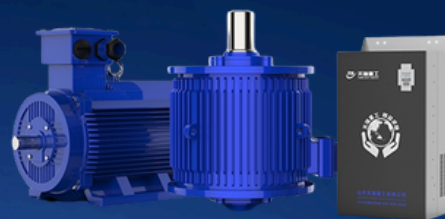
High-voltage Conventional Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
						6000V	10000V
TRYG500-1500-1000	1000	1500	6367	96	0.96	100.2	60.1
TRYG500-1500-1120	1120	1500	7131	96.1	0.96	112.3	67.4
TRYG560-1500-1250	1250	1500	7958	96.2	0.96	125.3	75.2
TRYG560-1500-1400	1400	1500	8913	96.3	0.96	140.3	84.2
TRYG560-1500-1600	1600	1500	10187	96.4	0.96	160.4	96.2
TRYG630-1500-1800	1800	1500	11460	96.5	0.96	180.4	108.3
TRYG630-1500-2000	2000	1500	12733	96.6	0.96	200.5	120.3
TRYG630-1500-2240	2240	1500	14261	96.7	0.96	224.5	134.7
TRYG630-1500-2500	2500	1500	15917	96.8	0.96	250.6	150.4
TRYG710-1500-2800	2800	1500	17827	96.9	0.96	280.7	168.4
TRYG710-1500-3150	3150	1500	20055	97	0.96	315.7	189.4
TRYG710-1500-3550	3550	1500	2602	97.1	0.96	355.8	213.5
TRYG710-1500-4000	4000	1500	25467	97.1	0.96	400.9	240.6
TRYG800-1500-4500	4500	1500	28650	97.1	0.96	451.1	270.6
TRYG800-1500-5000	5000	1500	31833	97.2	0.96	501.2	300.7
TRYG800-1500-5600	5600	1500	35653	97.2	0.96	561.3	336.8
TRYG355-1000-185	185	1000	1767	94	0.96	18.5	11.1
TRYG355-1000-200	200	1000	1910	94.1	0.96	20.0	12.0

Maglev Permanent Magnet Synchronous Direct Drive Motor



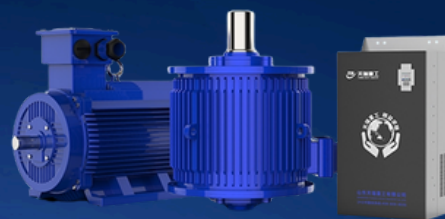
High-voltage Conventional Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
						6000V	10000V
TRYG400-1000-220	220	1000	2101	94.2	0.96	22.1	13.2
TRYG400-1000-250	250	1000	2388	94.4	0.96	25.1	15.0
TRYG400-1000-280	280	1000	2674	94.5	0.96	28.1	16.8
TRYG400-1000-315	315	1000	3008	94.7	0.96	31.6	18.9
TRYG450-1000-355	355	1000	3390	94.9	0.96	35.6	21.4
TRYG450-1000-400	400	1000	3820	94.9	0.96	40.1	24.1
TRYG450-1000-450	450	1000	4298	95.2	0.96	45.1	27.1
TRYG450-1000-500	500	1000	4775	95.4	0.96	50.1	30.1
TRYG500-1000-560	560	1000	5348	95.5	0.96	56.1	33.7
TRYG500-1000-630	630	1000	6017	95.6	0.96	63.1	37.9
TRYG500-1000-710	710	1000	6781	95.8	0.96	71.2	42.7
TRYG500-1000-800	800	1000	7640	95.8	0.96	80.2	48.1
TRYG500-1000-900	900	1000	8595	95.9	0.96	90.2	54.1
TRYG560-1000-1000	1000	1000	9550	96	0.96	100.2	60.1
TRYG560-1000-1120	1120	1000	10696	96.1	0.96	112.3	67.4
TRYG560-1000-1250	1250	1000	11938	96.2	0.96	125.3	75.2
TRYG630-1000-1400	1400	1000	13370	96.3	0.96	140.3	84.2
TRYG630-1000-1600	1600	1000	15280	96.4	0.96	160.4	96.2

Maglev Permanent Magnet Synchronous Direct Drive Motor



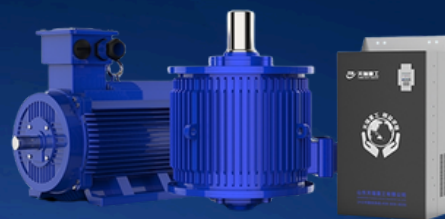
High-voltage Conventional Direct-drive Three-phase PMSM								
Model	Rated power		Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage		
						6000V	10000V	
TRYG630-1000-1800	1800	1000	17190	96.5	0.96	180.4	108.3	
TRYG710-1000-2000	2000	1000	19100	96.6	0.96	200.5	120.3	
TRYG710-1000-2240	2240	1000	21392	96.6	0.96	224.5	134.7	
TRYG710-1000-2500	2500	1000	23875	96.7	0.96	250.6	150.4	
TRYG710-1000-2800	2800	1000	26740	96.8	0.96	280.7	168.4	
TRYG800-1000-3150	3150	1000	30083	96.9	0.96	315.7	189.4	
TRYG800-1000-3550	3550	1000	33903	96.9	0.96	355.8	213.5	
TRYG800-1000-4000	4000	1000	38200	97	0.96	400.9	240.6	
TRYG400-750-185	185	750	2356	93.9	0.96	18.5	11.1	
TRYG400-750-200	200	750	2547	94	0.96	20.0	12.0	
TRYG400-750-220	220	750	2801	94.1	0.96	22.1	13.2	
TRYG450-750-250	250	750	3183	94.2	0.96	25.1	15.0	
TRYG450-750-280	280	750	3565	94.4	0.96	28.1	16.8	
TRYG450-750-315	315	750	4011	94.5	0.96	31.6	18.9	
TRYG450-750-355	355	750	4520	94.6	0.96	40.1	24.1	
TRYG500-750-450	450	750	5093	94.9	0.96	45.1	27.1	
TRYG500-750-500	500	750	5730	95.2	0.96	50.1	30.1	
TRYG500-750-560	560	750	6367	95.4	0.96	56.1	33.7	

Maglev Permanent Magnet Synchronous Direct Drive Motor



High-voltage Conventional Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
						6000V	10000V
TRYG500-750-630	630	750	8022	95.5	0.96	63.1	37.9
TRYG560-750-710	710	750	9041	95.6	0.96	71.2	42.7
TRYG560-750-800	800	750	10187	95.7	0.96	80.2	48.1
TRYG560-750-900	900	750	11460	95.7	0.96	90.2	54.1
TRYG560-750-1000	1000	750	12733	95.8	0.96	100.2	60.1
TRYG630-750-1120	1120	750	14261	95.9	0.96	112.3	67.4
TRYG630-750-1250	1250	750	15917	96	0.96	125.3	75.2
TRYG630-750-1400	1400	750	17827	96.1	0.96	140.3	84.2
TRYG710-750-1600	1600	750	20055	96.2	0.96	160.4	96.2
TRYG710-750-1800	1800	750	22602	96.3	0.96	180.4	108.3
TRYG710-750-2000	2000	750	25467	96.4	0.96	200.5	120.3
TRYG710-750-2240	2240	750	28650	96.5	0.96	224.5	134.7
TRYG800-750-2500	2500	750	31833	96.6	0.96	250.6	150.4
TRYG800-750-2800	2800	750	35653	96.7	0.96	280.7	168.4
TRYG800-750-3150	3150	750	40110	96.8	0.96	315.7	189.4
TRYG900-750-3550	3550	750	45203	96.9	0.96	355.8	213.5
TRYG900-750-4000	4000	750	50933	97	0.96	400.9	240.6
TRYG900-750-4500	4500	750	57300	97.1	0.96	451.1	270.6

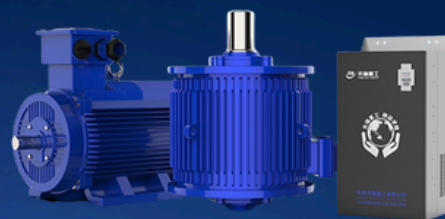
Maglev Permanent Magnet Synchronous Direct Drive Motor



High-voltage Conventional Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
						6000V	10000V
TRYG1000-750-5000	5000	750	63667	97.2	0.96	501.2	300.7
TRYG1000-750-5600	5600	750	71307	97.3	0.96	561.3	336.8
TRYG1000-750-6300	6300	750	80220	97.4	0.96	631.5	378.9
TRYG1000-750-7100	7100	750	90407	97.5	0.96	711.7	427.0
TRYG1000-750-8000	8000	750	101867	97.6	0.96	801.9	481.1
Note	TRYGXXX-XXX-XXX means Tianrui Permanent Magnet High Voltage-Device Number-Speed-Power						

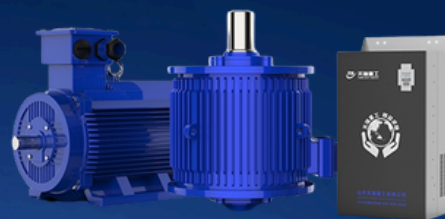
High-voltage Low Speed Large Torque Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
						6000V	10000V
TRYG355-1500-185	185	1500	1178	94.1	0.96	18.5	11.1
TRYG355-1500-220	220	1500	1401	94.3	0.96	22.1	13.2
TRYG355-1500-250	250	1500	1592	94.4	0.96	25.1	15.0
TRYG400-1500-280	280	1500	1783	94.5	0.96	28.1	16.8
TRYG400-1500-315	315	1500	2006	94.6	0.96	31.6	18.9
TRYG450-1500-400	400	1500	2547	94.9	0.96	40.1	24.1
TRYG450-1500-450	450	1500	2865	95.1	0.96	45.1	27.1

Maglev Permanent Magnet Synchronous Direct Drive Motor



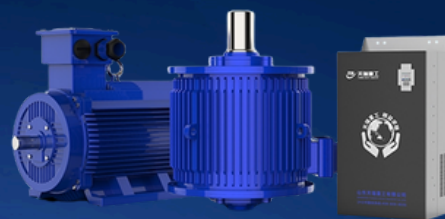
High-voltage Low Speed Large Torque Direct-drive Three-phase PMSM								
Model	Rated power		Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage		
						6000V	10000V	
TRYG450-1500-500	500	1500	3183	95.2	0.96	50.1	30.1	
TRYG450-1500-560	560	1500	3565	95.4	0.96	56.1	33.7	
TRYG450-1500-630	630	1500	4011	95.6	0.96	63.1	37.9	
TRYG500-1500-710	710	1500	4520	95.8	0.96	71.2	42.7	
TRYG500-1500-800	800	1500	5093	95.9	0.96	80.2	48.1	
TRYG500-1500-900	900	1500	5730	96	0.96	90.2	54.1	
TRYG500-1500-1000	1000	1500	6367	96.1	0.96	100.2	60.1	
TRYG500-1500-1120	1120	1500	7131	96.2	0.96	112.3	67.4	
TRYG560-1500-1250	1250	1500	7958	96.3	0.96	125.3	75.2	
TRYG560-1500-1400	1400	1500	8913	96.4	0.96	140.3	84.2	
TRYG560-1500-1600	1600	1500	10187	96,4	0,96	160,4	96,2	
TRYG630-1500-1800	1800	1500	11460	96,5	0,96	180,4	108,3	
TRYG630-1500-2000	2000	1500	12733	96,6	0,96	200,5	120,3	
TRYG630-1500-2240	2240	1500	14261	96,7	0,96	224,5	134,7	
TRYG630-1500-2500	2500	1500	15917	96,8	0,96	250,6	150,4	
TRYG710-1500-2800	2800	1500	17827	96,8	0,96	280,7	168,4	
TRYG710-1500-3150	3150	1500	20055	96,9	0,96	315,7	189,4	
TRYG710-1500-3550	3550	1500	22602	97	0,96	355,8	213,5	

Maglev Permanent Magnet Synchronous Direct Drive Motor



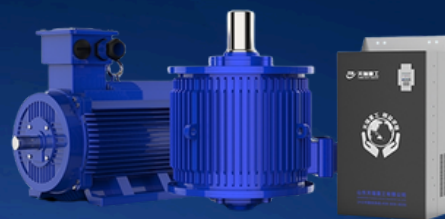
High-voltage Low Speed Large Torque Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
						6000V	10000V
TRYG710-1500-4000	4000	1500	25467	97,1	0,96	400,9	240,6
TRYG800-1500-4500	4500	1500	28650	97,1	0,96	451,1	270,6
TRYG800-1500-5000	5000	1500	31833	97,2	0,96	501,2	300,7
TRYG800-1500-5600	5600	1500	35653	97,2	0,96	561,3	336,8
TRYG355-1000-185	185	1000	1767	94	0,96	18,5	11,1
TRYG355-1000-200	200	1000	1910	94,1	0,96	20	12
TRYG400-1000-220	220	1000	2101	94,2	0,96	22,1	13,2
TRYG400-1000-250	250	1000	2388	94,4	0,96	25,1	15
TRYG400-1000-280	280	1000	2674	94,5	0,96	28,1	16,8
TRYG400-1000-315	315	1000	3008	94,7	0,96	31,6	18,9
TRYG450-1000-355	355	1000	3390	94,9	0,96	35,6	21,4
TRYG450-1000-400	400	1000	3820	94,9	0,96	40,1	24,1
TRYG450-1000-450	450	1000	4298	95,2	0,96	45,1	27,1
TRYG450-1000-500	500	1000	4775	95,4	0,96	50,1	30,1
TRYG500-1000-560	560	1000	5348	95,5	0,96	56,1	33,7
TRYG500-1000-630	630	1000	6017	95,6	0,96	63,1	37,9
TRYG500-1000-710	710	1000	6781	95,8	0,96	71,2	42,7
TRYG500-1000-800	800	1000	7640	95,8	0,96	80,2	48,1

Maglev Permanent Magnet Synchronous Direct Drive Motor



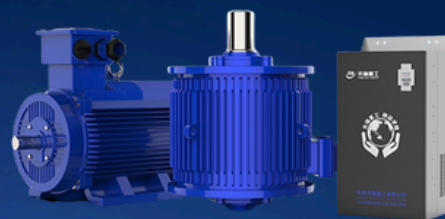
High-voltage Low Speed Large Torque Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
						6000V	10000V
TRYG560-1000-900	900	1000	8595	95,9	0,96	90,2	54,1
TRYG560-1000-1000	1000	1000	9550	96	0,96	100,2	60,1
TRYG560-1000-1120	1120	1000	10696	96,1	0,96	112,3	67,4
TRYG560-1000-1250	1250	1000	11938	96,2	0,96	125,3	75,2
TRYG630-1000-1400	1400	1000	13370	96,3	0,96	140,3	84,2
TRYG630-1000-1600	1600	1000	15280	96,4	0,96	160,4	96,2
TRYG630-1000-1800	1800	1000	17190	96,5	0,96	180,4	108,3
TRYG710-1000-2000	2000	1000	19100	96,6	0,96	200,5	120,3
TRYG710-1000-2240	2240	1000	21392	96,6	0,96	224,5	134,7
TRYG710-1000-2500	2500	1000	23875	96,7	0,96	250,6	150,4
TRYG710-1000-2800	2800	1000	26740	96,8	0,96	280,7	168,4
TRYG800-1000-3150	3150	1000	30083	96,9	0,96	315,7	189,4
TRYG800-1000-3550	3550	1000	33903	96,9	0,96	355,8	213,5
TRYG800-1000-4000	4000	1000	38200	97	0,96	400,9	240,6
TRYG400-750-185	185	750	2356	93,9	0,96	18,5	11,1
TRYG400-750-200	200	750	2547	94	0,96	20	12
TRYG400-750-220	220	750	2801	94,1	0,96	22,1	13,2
TRYG450-750-250	250	750	3183	94,2	0,96	25,1	15

Maglev Permanent Magnet Synchronous Direct Drive Motor



High-voltage Low Speed Large Torque Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
						6000V	10000V
TRYG450-750-280	280	750	3565	94,4	0,96	28,1	16,8
TRYG450-750-315	315	750	4011	94,5	0,96	31,6	18,9
TRYG450-750-355	355	750	4520	94,6	0,96	35,6	21,4
TRYG500-750-400	400	750	5093	94,8	0,96	40,1	24,1
TRYG500-750-450	450	750	5730	94,9	0,96	45,1	27,1
TRYG500-750-500	500	750	6367	95,2	0,96	50,1	30,1
TRYG500-750-560	560	750	7131	95,3	0,96	56,1	33,7
TRYG500-750-630	630	750	8022	95,4	0,96	63,1	37,9
TRYG560-750-710	710	750	9041	95,5	0,96	71,2	42,7
TRYG560-750-800	800	750	10187	95,6	0,96	80,2	48,1
TRYG560-750-900	900	750	11460	95,7	0,96	90,2	54,1
TRYG560-750-1000	1000	750	12733	95,8	0,96	100,2	60,1
TRYG630-750-1120	1120	750	14261	95,9	0,96	112,3	67,4
TRYG630-750-1250	1250	750	15917	95,9	0,96	125,3	75,2
TRYG630-750-1400	1400	750	17827	96	0,96	140,3	84,2
TRYG710-750-1600	1600	750	20373	96,1	0,96	160,4	96,2
TRYG710-750-1800	1800	750	22920	96,2	0,96	180,4	108,3
TRYG710-750-2000	2000	750	25467	96,3	0,96	200,5	120,3

Maglev Permanent Magnet Synchronous Direct Drive Motor



High-voltage Low Speed Large Torque Direct-drive Three-phase PMSM							
Model	Rated power	Speed	Rated Torque	Efficiency	Power Factor	Rated Current A	
	Kw	r/min	N-m	%	COS	Rated Voltage	
						6000V	10000V
TRYG710-750-2240	2240	750	28523	96,4	0,96	224,5	134,7
TRYG800-750-2500	2500	750	31833	96,5	0,96	250,6	150,4
TRYG800-750-2800	2800	750	35653	96,6	0,96	280,7	168,4
TRYG800-750-3150	3150	750	40110	96,6	0,96	315,7	189,4
TRYG900-750-3550	3550	750	45203	96,7	0,96	355,8	213,5
TRYG900-750-4000	4000	750	50933	96,8	0,96	400,9	240,6
TRYG900-750-4500	4500	750	57300	96,9	0,96	451,1	270,6
TRYG1000-750-5000	5000	750	63667	97	0,96	501,2	300,7
TRYG1000-750-5600	5600	750	71307	97	0,96	561,3	336,8
TRYG1000-750-6300	6300	750	80220	97,1	0,96	631,5	378,9
TRYG1000-750-7100	7100	750	90407	97,2	0,96	711,7	427
TRYG1000-750-8000	8000	750	101867	97,2	0,96	801,9	481,1
Note	TRYGXXX-XXX-XXX means Tianrui Permanent Magnet High Voltage-Device Number-Speed-Power						



Applicable Industries



Sewage Treatment



Cement



Paper Making



Spinning and Weaving



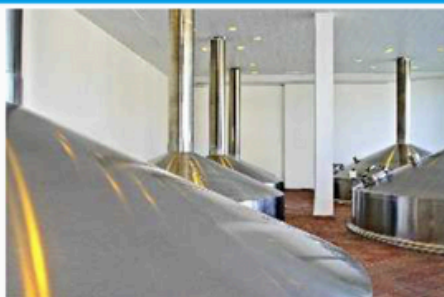
Glassware and Ceramics



Pyroelectricity



Chemical Industry



Biological Fermentation



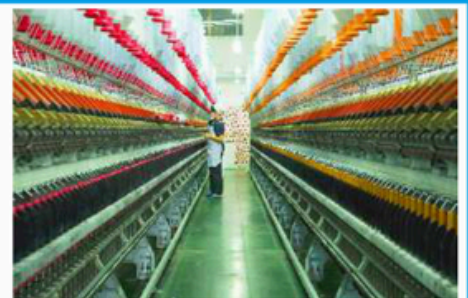
Pharmacy



Iron and Steel, Metallurgy



Calcium Carbide



Electroplating

Application Cases



Hotels/Office Buildings



Rail Transit



Hospital



Commercial Center



Cold Store



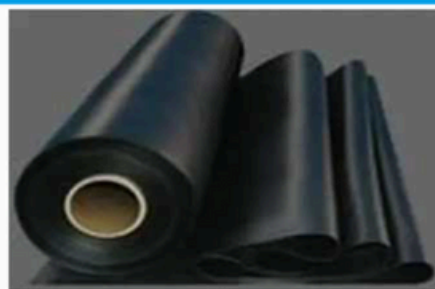
Data Center



School Residential
Community



Industrial Plant



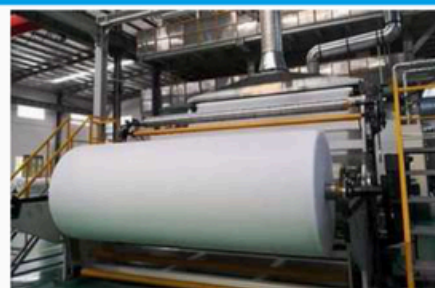
Plastic Rubber



Mechanical Processing



Electroplating



Leather Manufacturing

Applicable Industries



Textile Factories

Cases of Maglev Centrifugal Water Chiller Unit



Chemical Plants



Workshops / Office Buildings

Cases of Maglev Low-temperature Waste Heat Generator Set



Cement Plant

Steel Plant

Shipyard

Production



COMPARISON PERMANENT MAGLEV SYNCHRONOUS DIRECT DRIVE MOTOR (PMSM) & THE 3 PHASE INDUCTION MOTORS

**Typical Coveyor Installation 200KW
example - Gearbox ratio 20:1**

INDUCTION MOTOR

1. **200 KW 4 Pole Motor**
2. **Fluid Drive Coupling**
3. **20:1 Reduction Gearbox**
4. **Base Plate & Torque Arm**
5. **Complete VSD Panel**
6. **Output Speed 75 r/pm**
7. **Output Torque 25 400 nm**

DISADVANTAGES

1. **Frequent gearbox maintenance oil changes & oil pollution**
2. **Frequent fuild drive coupling repairs**
3. **Frequent induction motor rewinding cost & down time**
4. **Complex & dangerous rigging process**
5. **Total weight of complete required equipment**

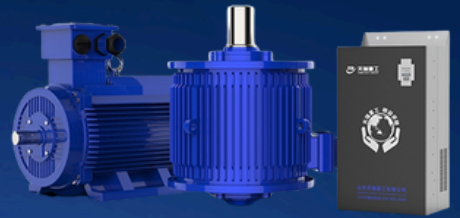
PMSM MOTOR (TR-YD200-75 pg14)

1. **TR-YD200-75 Motor**
2. **200KW Convertor**
3. **Output Speed 75 r/pm**
4. **Output Torque 25 467 nm**

ADVANTAGES

1. **Minimal rewind cases are recorded throughout the industry**
2. **Safe rigging installation - only centralised (PMSM) rigging into position & direct mounting onto the drive pulley via coupling**
3. **PMSM forward and reverse mode, selected by a control panel.**

Maglev Permanent Magnet Synchronous Direct Drive Motor



The variance between conventional drives and Maglev PMSM Conveyor Drive System

Conventional Conveyor Drive System



Motor, Fluid Drive & Gearbox



Fluid drive coupling



VSD Control Panel

Maglev Africa PMSM Conveyor System

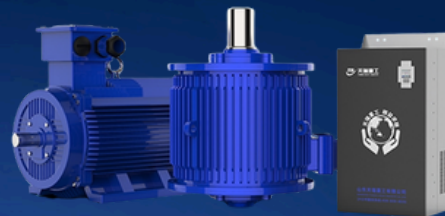


Maglev Africa Frequency Converter



Maglev Africa Internal Brake Motor

Maglev Permanent Magnet Synchronous Direct Drive Motor



Comparison

Equipment Required for Inclining & Descending Conveyors

1. Incline

Conventional	Maglev Africa
• Motor • Fluid Drive • Gearbox • VSD • Conveyor Backstop	• Maglev Africa Motor • Maglev Africa Frequency Converter • Maglev Africa Conveyor Backstop

2. Descending

Conventional	Maglev Africa
• Motor • Gearbox • VSD • Failsafe Piston Caliper Brake	• Maglev Africa Motor • Maglev Africa Frequency Converter • Maglev Africa Failsafe Piston Caliper Brake

COSTING

Price comparison (indication only)

Application 200kw ratio 20:1 1000v drive system (incline)

Conventional	Maglev Africa
• Motor • Fluid Drive • Gearbox • VSD • Conveyor Backstop	• Maglev Africa Motor • Maglev Africa Frequency Converter • Maglev Africa Conveyor Backstop
Total Price: R 2.7 million	Total Price: R 2.1 million

FAQ

1. Motor range?

- **5.5kw up to 8000kw**

2. Product delivery time?

- **10 weeks**

3. Voltage availability?

- **380 volt**
- **525 volt**
- **690 volt**
- **1000 volt**
- **6000 volt**
- **10 000 volt**

4. Product stock availability in SA?

- **Throughout the industry, for example, mines & factories, regarding the production line, critical spares have to be kept on site. (example: production line with 10x 75kw compressors, should have one in stock on site.)**

5. Rewinding process?

- **PMSM motors can be rewound in SA as conventional motors. (Very few cases have been recorded up to date in Asia)**
- **Strong, large load unloading capacity, overload capacity no less than 1.5 times, with good stable operation performance.**
- **High power factor, close to 1, improve the power grid quality factor.**

6. Critical Spares support by Maglev Africa?

- **Any critical product spares can be imported via airfreight within 3 days.**

Get in Touch



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Rudy +27 82 784 0599



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www.maglevafrica.com

The logo features the text "MAGLEV AFRICA" in white, bold, sans-serif capital letters. The text is centered within a large, dark blue circle. A thick, light blue curved line, resembling a stylized 'C' or a swoosh, wraps around the right and bottom of the circle, partially obscuring it. The background is a solid dark blue.

MAGLEV AFRICA