JUDITECH

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JUDITECH

Jiangsu Juditech Mechanical & Electrical
Technology CO.,LTD

COMPANY PROFILE

Juditech specializes in the research and development, manufacturing, sales, and service of motor systems. It primarily produces high-efficiency permanent magnet synchronous motors, low-speed high-torque permanent magnet synchronous direct-drive motors, motion servo motors, electro-hydraulic servo motors, and smart motors. With independent R&D capabilities, it can customize special motors such as air-cooled, liquid-cooled, high-speed, low-speed, and high-torque motors to meet customer requirements. These motors are utilized in various industries including oil, packaging, metallurgy, paper-making, plastics, rubber, food, mining, textiles, and steel. Juditech provides energy-efficient motor system solutions tailored to the needs of different industries.

The company boasts robust technological innovation and a comprehensive quality management system. All products have obtained certifications such as CE, ISO, and explosion-proof, adhering to Level-1 energy efficiency standards. With efficiency and energy conservation at its core, Juditech consistently delivers high-quality and dependable motor products and services, aiding enterprises in achieving green and sustainable development.

CORPORATE IMAGE

We believe that through constant innovation in R&D, management, production, marketing and other fields, JUDITECH will go further and become stronger.

CORPORATE STRENGTH

Permanent magnet motors, known for high efficiency, torque and power density, generate less carbon emissions than traditional induction motors during production and use, which is great for carbon neutrality and carbon peaking.

As technology advances, the cost of permanent magnet motors is declining while their performance improves, making them more cost - effective. This is promoting their widespread market application and offering more solutions for carbon neutrality and carbon peaking.

Leading Design

- Professional R&D team
- Senior permanent magnet motor development
- Led by professors and experts

Customization

- Deeply Customized Solutions
- Tailored Motor Design According to Equipment Features
- Dedicated Motors for Industry Innovation

Reliable Quality

- Quality Assurance
- Safety Assurance

UNIQUE ADVANTAGES

As a tech product leading future trends, permanent magnet synchronous motors excel in performance, longevity, and reliability.

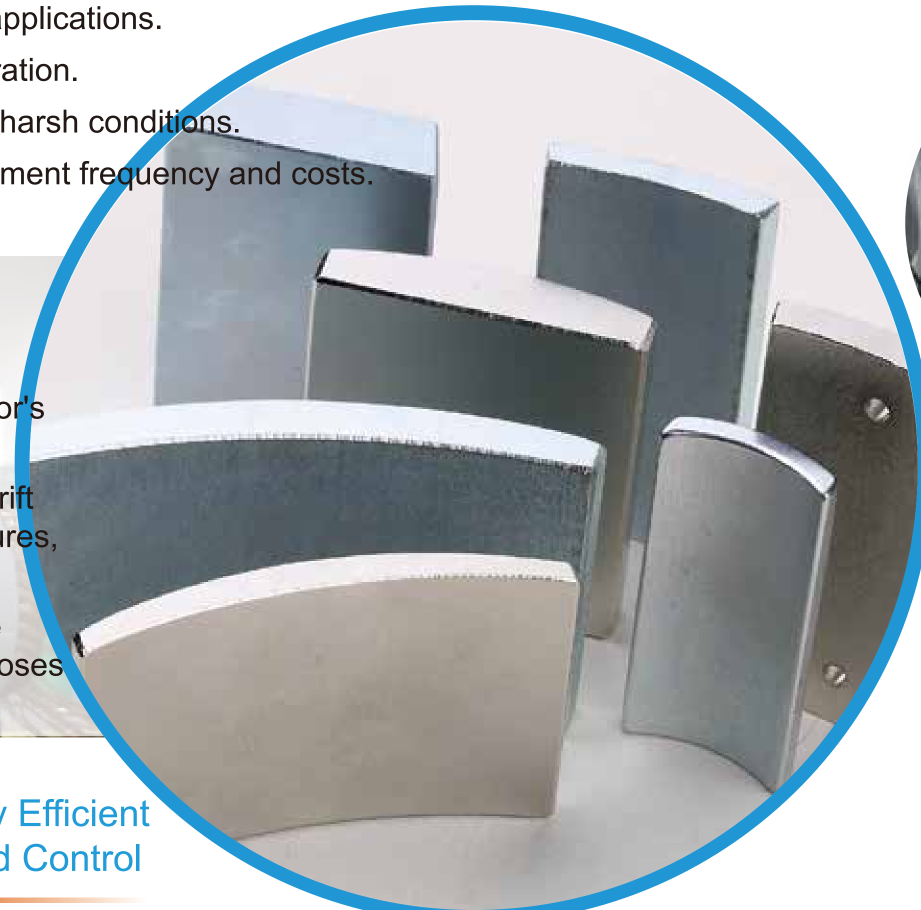
1. High Efficiency: Effectively reduces energy consumption.
2. Compact Size: Features a small footprint and space - saving design.
3. Light Weight: Easy to move and install.
4. Excellent Speed Control: Ideal for variable - speed applications.
5. High Reliability: Ensures long - term and stable operation.
6. Strong Environmental Adaptability: Operates well in harsh conditions.
7. Low Maintenance Cost: Reduces repair and replacement frequency and costs.

High - Grade Magnet Steel

1. High magnetic energy product creates a stronger magnetic field, boosting the permanent magnet motor's power and efficiency.

2. High coercivity and anti - magnetic temperature drift ensure stable magnetic properties at high temperatures, enhancing motor reliability and stability.

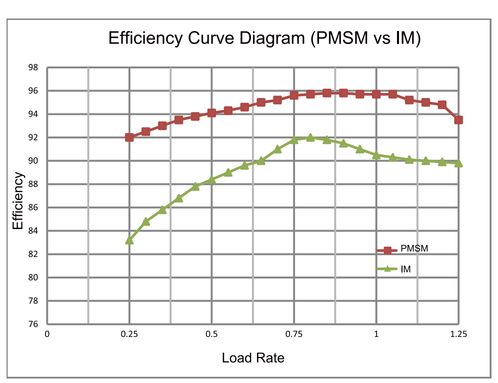
3. Adequate margin design and reliable temperature protection mechanisms guarantee the motor never loses magnetization.



Highly Efficient and Energy - Saving

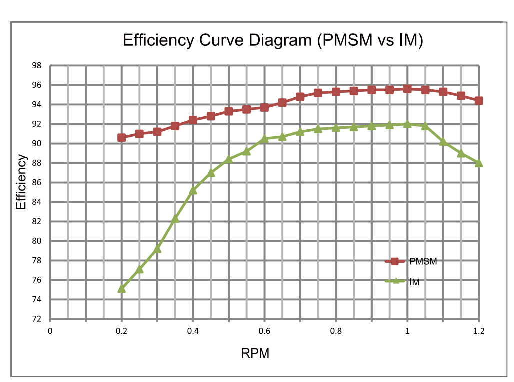
Synchronous motors have higher efficiency with a wider high - efficiency range.

They deliver more significant energy - saving under variable - load conditions.



Highly Efficient Speed Control

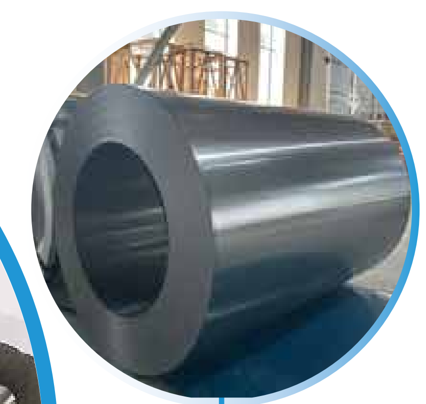
Permanent magnet synchronous motors outperform induction motors in speed control scenarios.



High - Grade Silicon Steel Sheets

1. Enhanced magnetic conductivity, better magnetic field transmission, reduced iron - core hysteresis losses, and improved motor performance.

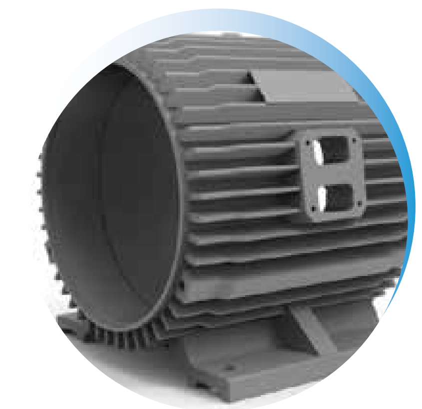
2. Reduced eddy current losses, good magnetic conduction, efficient eddy current loss reduction, and higher motor efficiency.

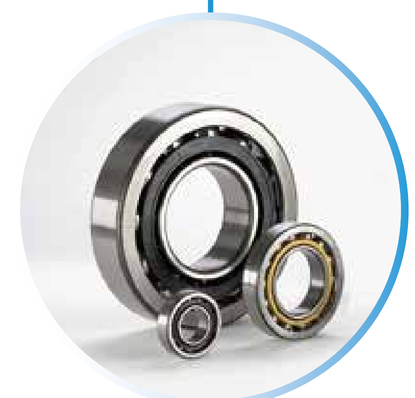


International Cast Iron Motor Housing

1. Provides sufficient strength and rigidity to withstand mechanical loads and vibrations during motor operation, ensuring structural stability and safety.

2. Offers advantages of standardization, ease of inspection, adaptability and high safety, meeting the requirements of various industries and fields.





High - Quality Bearings

1. High stiffness and low vibration for stable and smooth motor operation, reducing the impact of vibration.

2. Good wear resistance and long service life, ensuring stable performance over time and reducing maintenance and replacement frequency.

High - Quality Enamelled Wire

1. The insulation layer is made of heat - resistant materials, providing good insulation in high - temperature environments and enhancing the motor's heat resistance.

2. The insulation layer has high thermal conductivity, which helps in effective heat dissipation and prevents the wire core from overheating.

General Purpose Permanent Magnet Synchronous Motor

A general - purpose permanent magnet synchronous motor, integrating permanent magnet excitation technology, is a synchronous motor that streamlines the traditional electric excitation structure. Its simple design ensures stable operation and high energy efficiency, redefining motor possibilities.

It shares a similar working principle with conventional electrically excited synchronous motors, but its optimized design cuts processing and assembly costs, eliminating brush and slip ring - related faults and boosting reliability.

Notably, it requires no excitation current, so there's no excitation loss, which makes it more energy - efficient.

NAMING RULES

M U 4- 15C 22D 16 L- A R A N-3 N

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬

① Product
M : Motor

② Type
U : General-purpose Permanent Magnet Synchronous Motor

③ Voltage Level
1 : 110V
2 : 220V
3 : 300V
4 : 380V
......

④ Rated Speed (rpm)
(In the format of two digits and one letter)
A : X1
B : X10
C : X100
D : X1000
E : X10000
E.g. 15C : 1500rpm

⑤ Rated Power (W)
(In the format of two digits and one letter)
A : X1
B : X10
C : X100
D : X1000
E : X10000
E.g. 22D : 22kW

⑥ Center Height
08 : 80
09 : 90
11 : 112
13 : 132
......
35 : 355

⑦ Installation Foot Hole Spacing Type
S : Type S
M : Type M
L : Type L

⑧ Mounting Method

A	: IM B3	G	: IM B34	N	: IM V16
B	: IM B5	H	: IM B35	P	: IM V17
C	: IM B6	J	: IM V1	Q	: IM V18
D	: IM B7	K	: IM V3	R	: IM V19
E	: IM B8	L	: IM V5	S	: IM V35
F	: IM B14	M	: IM V6	T	: IM V37

⑨ Lead Wire Exit Direction
T : Top Exit
L : Left Exit
R : RightExit

⑩ Cooling Type
A : IC411 (Coaxial Fan Cooling)
F : IC416 (Independent Fan Cooling)
L : IC86W (Water Cooled)
N : IC418 (Fanless)

⑪ Encoder Type
N : No Encoder
D : Photoelectric Encoder
G : Resolver Encoder

⑫Service Factor
3: Rated 1.0 5: 1.2 or 1 grade higher 7 : 2grades higher

⑬ Application Industry
N stands for general industry applications.
G represents the same frame size as induction motors.

Technical Specification

Item		Specification				
Power Range		3kW ~ 400kW				
Frame Size		90 ~ 355				
Insulation Class		F				
Cooling Method		IC411 standard, IC416 optional				
Protection Rating		IP54 or above				
Duty Cycle		S1				
Operating Condition		-15°C to 40°C, at altitudes up to 1000 meters, with a relative humidity of no more than 90%.				
Speed		750 ~ 3000rpm				
Voltage		380V				
Energy Efficiency		GB 30253 Level 1 efficiency, IE4 or above for over 90kW as per IEC60034-30-1-2014				
Thermal Protection		Standard thermal protection：PT100 + PTC				
Ambient Temperature		0°C to 40°C (Non - freezing)				
Ambient Humidity		20% to 80%RH (Non - condensing)				
Storage Temperature		-20°C to 60°C (Maximum temperature guarantee: 80°C for 72 hours)				
Storage Humidity		20% to 90%RH (Non - condensing)				
Altitude Derating Factor	–	When used at altitudes above 1000m, the thin air reduces cooling efficiency, possibly increasing temperature.				
	Altitude	1000m	2000m	3000m	4000m	5000m
	Factor	1	0. 947	0. 901	0. 824	0. 645

The base speed of this product series is from 750 to 3000rpm, with a power range of 3kW to 400kW and SF=1.0. It can also be adapted into a variable - frequency PMSM with a speed range of 80 - 8000rpm.

G SERIES - SAME FRAME SIZE AS INDUCTION MOTORS

Main Specifications & Technical Data

Rated speed 3000rpm (IE5 compliant, IE6 available upon request)

Model	Frame Size	Power (Kw)	Current (A)	Efficiency (%)	Power Factor (cosφ)	Rated Torque （Nm）	Rated Frequency (Hz)	IP Rating	Insulation Class
Three Phase：380V，Rated Speed：3000rpm									
MU4-30C40C11M-ATAN-3G	112M	4	6.2	91.5	0.98	12.7	200	IP55	F
MU4-30C55C13S-ATAN-3G	132S	5.5	8.5	92.4	0.98	17.5	200	IP55	F
MU4-30C75C13S-ATAN-3G	132S	7.5	11.6	93.1	0.98	23.9	200	IP55	F
MU4-30C11D16M-ATAN-3G	160M	11	17	93.8	0.98	35	200	IP55	F
MU4-30C15D16M-ATAN-3G	160M	15	23.2	94.3	0.98	47.8	200	IP55	F
MU4-30C18D16L-ATAN-3G	160L	18.5	28.7	94.7	0.98	58.9	200	IP55	F
MU4-30C22D18M-ATAN-3G	180M	22	34.1	94.9	0.98	70	200	IP55	F
MU4-30C30D20L-ATAN-3G	200L	30	46.5	95.3	0.98	95.5	200	IP55	F
MU4-30C37D20L-ATAN-3G	200L	37	57.3	95.7	0.98	117.8	200	IP55	F
MU4-30C45D22M-ATAN-3G	225M	45	69.7	95.9	0.98	143.3	200	IP55	F
MU4-30C55D25M-ATAN-3G	250M	55	85.3	96.1	0.98	175.1	200	IP55	F
MU4-30C75D28S-ATAN-3G	280S	75	116	96.4	0.98	238.8	200	IP55	F
MU4-30C90D28M-ATAN-3G	280M	90	139	96.5	0.98	286.5	200	IP55	F
MU4-30C11E31S-ATAN-3G	315S	110	170	96.4	0.98	350.2	200	IP55	F
MU4-30C13E31M-ATAN-3G	315M	132	204	96.5	0.98	420.2	200	IP55	F
MU4-30C16E31L-ATAN-3G	315L	160	248	96.6	0.98	509.3	200	IP55	F
MU4-30C18E31L-ATAN-3G	315L	185	286	96.9	0.98	588.9	200	IP55	F
MU4-30C20E31L-ATAN-3G	315L	200	310	96.9	0.98	636.7	200	IP55	F
MU4-30C22E35M-ATAN-3G	355M	220	341	96.9	0.98	700.3	200	IP55	F
MU4-30C25E35M-ATAN-3G	355M	250	387	96.9	0.98	795.8	200	IP55	F
MU4-30C28E35L-ATAN-3G	355L	280	434	96.9	0.98	891.3	200	IP55	F
MU4-30C31E35L-ATAN-3G	355L	315	488	96.9	0.98	1002.8	200	IP55	F
MU4-30C35E35L-ATAN-3G	355L	355	550	96.9	0.98	1130.1	200	IP55	F
MU4-30C40E35L-ATAN-3G	355L	400	620	96.9	0.98	1273.3	200	IP55	F
MU4-30C50E35L-ATAN-3G	355L	500	775	96.9	0.98	1591.6	200	IP55	F

G SERIES - SAME FRAME SIZE AS INDUCTION MOTORS

Main Specifications & Technical Data

Rated speed 1500rpm (IE5 compliant, IE6 available upon request)

Model	Frame Size	Power (Kw)	Current (A)	Efficiency (%)	Power Factor (cosφ)	Rated Torque （Nm）	Rated Frequency (Hz)	IP Rating	Insulation Class
Three Phase：380V，Rated Speed：1500rpm									
MU4-15C55C13S-ATAN-3G	132S	5.5	8.5	93.2	0.98	35	100	IP55	F
MU4-15C75C13M-ATAN-3G	132M	7.5	11.6	93.8	0.98	47.8	100	IP55	F
MU4-15C11D16M-ATAN-3G	160M	11	17	94.4	0.98	70.0	100	IP55	F
MU4-15C15D16L-ATAN-3G	160L	15	23.2	94.9	0.98	95.5	100	IP55	F
MU4-15C18D18M-ATAN-3G	180M	18.5	28.7	95.1	0.98	117.8	100	IP55	F
MU4-15C22D18L-ATAN-3G	180L	22	34.1	95.3	0.98	140.1	100	IP55	F
MU4-15C30D20L-ATAN-3G	200L	30	46.5	95.8	0.98	191.0	100	IP55	F
MU4-15C37D22S-ATAN-3G	225S	37	57.3	96.0	0.98	235.6	100	IP55	F
MU4-15C45D22M-ATAN-3G	225M	45	69.7	96.2	0.98	286.5	100	IP55	F
MU4-15C55D25M-ATAN-3G	250M	55	85.3	96.4	0.98	350.2	100	IP55	F
MU4-15C75D28S-ATAN-3G	280S	75	116	96.6	0.98	477.5	100	IP55	F
MU4-15C90D28M-ATAN-3G	280M	90	139	96.8	0.98	573.0	100	IP55	F
MU4-15C11E31S-ATAN-3G	315S	110	170	96.6	0.98	700.3	100	IP55	F
MU4-15C13E31M-ATAN-3G	315M	132	204	96.7	0.98	840.4	100	IP55	F
MU4-15C16E31L-ATAN-3G	315L	160	248	96.9	0.98	1018.7	100	IP55	F
MU4-15C18E31L-ATAN-3G	315L	185	286	97.1	0.98	1177.8	100	IP55	F
MU4-15C20E31L-ATAN-3G	315L	200	310	97.1	0.98	1273.3	100	IP55	F
MU4-15C22E31L-ATAN-3G	315L	220	341	97.1	0.98	1400.7	100	IP55	F
MU4-15C25E35M-ATAN-3G	355M	250	387	97.1	0.98	1591.7	100	IP55	F
MU4-15C28E35L-ATAN-3G	355L	280	434	97.1	0.98	1782.7	100	IP55	F
MU4-15C31E35L-ATAN-3G	355L	315	488	97.1	0.98	2005.5	100	IP55	F
MU4-15C35E35L-ATAN-3G	355L	355	550	97.1	0.98	2260.2	100	IP55	F
MU4-15C40E35L-ATAN-3G	355L	400	620	97.1	0.98	2546.7	100	IP55	F
MU4-15C45E35L-ATAN-3G	355L	450	697	97.1	0.98	2865	100	IP55	F

G SERIES - SAME FRAME SIZE AS INDUCTION MOTORS

Main Specifications & Technical Data

Rated speed 1000rpm (IE5 compliant, IE6 available upon request)

Model	Frame Size	Power (Kw)	Current (A)	Efficiency (%)	Power Factor (cosφ)	Rated Torque （Nm）	Rated Frequency (Hz)	IP Rating	Insulation Class
Three Phase：380V， Rated Speed：1000rpm									
MU4-10C55C13S-ATAN-3G	132S	5.5	8.5	92.4	0.98	52.5	100	IP55	F
MU4-10C75C16M-ATAN-3G	160M	7.5	11.6	93	0.98	71.6	100	IP55	F
MU4-10C11D16L-ATAN-3G	160L	11	17	93.8	0.98	105.1	100	IP55	F
MU4-10C15D18L-ATAN-3G	180L	15	23.2	94.4	0.98	143.3	100	IP55	F
MU4-10C18D20L-ATAN-3G	200L	18.5	28.7	94.7	0.98	176.7	100	IP55	F
MU4-10C22D20L-ATAN-3G	200L	22	34.1	95.0	0.98	210.1	100	IP55	F
MU4-10C30D22M-ATAN-3G	225M	30	46.5	95.4	0.98	286.5	100	IP55	F
MU4-10C37D25M-ATAN-3G	250M	37	57.3	95.7	0.98	353.4	100	IP55	F
MU4-10C45D28S-ATAN-3G	280S	45	69.7	95.9	0.98	429.8	100	IP55	F
MU4-10C55D28M-ATAN-3G	280M	55	85.3	96.1	0.98	525.3	100	IP55	F
MU4-10C75D31S-ATAN-3G	315S	75	116	96.4	0.98	716.3	100	IP55	F
MU4-10C90D31M-ATAN-3G	315M	90	139	96.6	0.98	859.5	100	IP55	F
MU4-10C11E31L-ATAN-3G	315L	110	170	96.4	0.98	1050.5	100	IP55	F
MU4-10C13E31L-ATAN-3G	315L	132	204	96.6	0.98	1260.6	100	IP55	F
MU4-10C16E35M-ATAN-3G	355M	160	248	96.7	0.98	1528	100	IP55	F
MU4-10C18E35M-ATAN-3G	355M	185	286	96.8	0.98	1766.8	100	IP55	F
MU4-10C20E35M-ATAN-3G	355M	200	310	96.8	0.98	1910	100	IP55	F
MU4-10C22E35L-ATAN-3G	355L	220	341	96.8	0.98	2101	100	IP55	F
MU4-10C25E35L-ATAN-3G	355L	250	387	96.8	0.98	2387.5	100	IP55	F
MU4-10C28E35L-ATAN-3G	355L	280	434	96.8	0.98	2674	100	IP55	F
MU4-10C31E35L-ATAN-3G	355L	315	488	96.8	0.98	3008.2	100	IP55	F
MU4-10C35E35L-ATAN-3G	355L	355	550	96.8	0.98	3390.3	100	IP55	F

G SERIES - SAME FRAME SIZE AS INDUCTION MOTORS

Main Specifications & Technical Data

Rated speed 750rpm (IE5 compliant, IE6 available upon request)

Model	Frame Size	Power (Kw)	Current (A)	Efficiency (%)	Power Factor (cosφ)	Rated Torque （Nm）	Rated Frequency (Hz)	IP Rating	Insulation Class
Three Phase：380V， Rated Speed：750rpm									
MU4-75B11D18M-ATAN-3G	180M	11	17	92.8	0.98	140.1	75	IP55	F
MU4-75B11D18L-ATAN-3G	180L	11	17	92.8	0.98	140.1	75	IP55	F
MU4-75B15D20L-ATAN-3G	200L	15	23.2	93.4	0.98	191.0	75	IP55	F
MU4-75B18D22S-ATAN-3G	225S	18.5	28.7	93.8	0.98	235.6	75	IP55	F
MU4-75B22D22M-ATAN-3G	225M	22	34.1	94.1	0.98	280.1	75	IP55	F
MU4-75B30D25M-ATAN-3G	250M	30	46.5	94.5	0.98	382	75	IP55	F
MU4-75B37D28S-ATAN-3G	280S	37	57.3	94.8	0.98	471.1	75	IP55	F
MU4-75B45D28S-ATAN-3G	280S	45	69.7	95.1	0.98	573	75	IP55	F
MU4-75B45D28M-ATAN-3G	280M	45	69.7	95.1	0.98	573	75	IP55	F
MU4-75B55D31S-ATAN-3G	315S	55	85.3	95.3	0.98	700.3	75	IP55	F
MU4-75B75D31S-ATAN-3G	315S	75	116	95.7	0.98	955	75	IP55	F
MU4-75B75D31M-ATAN-3G	315M	75	116	95.7	0.98	955	75	IP55	F
MU4-75B90D31S-ATAN-3G	315S	90	139	95.8	0.98	1146	75	IP55	F
MU4-75B90D31L-ATAN-3G	315L	90	139	95.8	0.98	1146	75	IP55	F
MU4-75B11E31M-ATAN-3G	315M	110	170	95.7	0.98	1400.7	75	IP55	F
MU4-75B11E31L-ATAN-3G	315L	110	170	95.7	0.98	1400.7	75	IP55	F
MU4-75B13E35M-ATAN-3G	355M	132	204	95.9	0.98	1680.8	75	IP55	F
MU4-75B16E35M-ATAN-3G	355M	160	248	96.1	0.98	2037.3	75	IP55	F
MU4-75B18E35L-ATAN-3G	355L	185	286	96.3	0.98	2355.7	75	IP55	F
MU4-75B20E35L-ATAN-3G	355L	200	310	96.3	0.98	2546.7	75	IP55	F
MU4-75B22E35L-ATAN-3G	355L	220	341	96.3	0.98	2801.3	75	IP55	F
MU4-75B25E35L-ATAN-3G	355L	250	387	96.3	0.98	3183.3	75	IP55	F
MU4-75B28E35L-ATAN-3G	355L	280	434	96.3	0.98	3565	75	IP55	F
MU4-75B30E35L-ATAN-3G	355L	300	465	96.3	0.98	3820	100	IP55	F
MU4-75B35E35L-ATAN-3G	355L	355	550	96.3	0.98	4520	100	IP55	F

N SERIES - ONE FRAME SIZE REDUCTION

Main Specifications & Technical Data

Rated speed 3000rpm (IE5 compliant, IE6 available upon request)

Model	Frame Size	Power (Kw)	Current (A)	Efficiency (%)	Power Factor (cosφ)	Rated Torque（Nm）	Rated Frequency (Hz)	IP Rating	Insulation Class
Three Phase：380V，Rated Speed：3000rpm									
MU4-30C55C11M-ATAN-3N	112M	5.5	8.5	92.4	0.98	17.5	200	IP55	F
MU4-30C75C11M-ATAN-3N	112M	7.5	11.6	93.1	0.98	23.9	200	IP55	F
MU4-30C11D13S-ATAN-3N	132S	11	17	93.8	0.98	35	200	IP55	F
MU4-30C15D13S-ATAN-3N	132S	15	23.2	94.3	0.98	47.8	200	IP55	F
MU4-30C18D13M-ATAN-3N	132M	18.5	28.7	94.7	0.98	58.9	200	IP55	F
MU4-30C22D16M-ATAN-3N	160M	22	34.1	94.9	0.98	70	200	IP55	F
MU4-30C30D18M-ATAN-3N	180M	30	46.5	95.3	0.98	95.5	200	IP55	F
MU4-30C37D18M-ATAN-3N	180M	37	57.3	95.7	0.98	117.8	200	IP55	F
MU4-30C45D20L-ATAN-3N	200L	45	69.7	95.9	0.98	143.3	200	IP55	F
MU4-30C55D22S-ATAN-3N	225S	55	85.3	96.1	0.98	175.1	200	IP55	F
MU4-30C75D25M-ATAN-3N	250M	75	116	96.4	0.98	238.8	200	IP55	F
MU4-30C90D25M-ATAN-3N	250M	90	139	96.5	0.98	286.5	200	IP55	F
MU4-30C11E28S-ATAN-3N	280S	110	170	96.4	0.98	350.2	200	IP55	F
MU4-30C13E28S-ATAN-3N	280S	132	204	96.5	0.98	420.2	200	IP55	F
MU4-30C16E28S-ATAN-3N	280S	160	248	96.6	0.98	509.3	200	IP55	F
MU4-30C18E28S-ATAN-3N	280S	185	286	96.9	0.98	588.9	200	IP55	F
MU4-30C20E28S-ATAN-3N	280S	200	310	96.9	0.98	636.7	200	IP55	F
MU4-30C22E31S-ATAN-3N	315S	220	341	96.9	0.98	700.3	200	IP55	F
MU4-30C25E31S-ATAN-3N	315S	250	387	96.9	0.98	795.8	200	IP55	F
MU4-30C28E31S-ATAN-3N	315S	280	434	96.9	0.98	891.3	200	IP55	F
MU4-30C31E31S-ATAN-3N	315S	315	488	96.9	0.98	1002.8	200	IP55	F
MU4-30C35E31M-ATAN-3N	315M	355	550	96.9	0.98	1130.1	200	IP55	F

N SERIES - ONE FRAME SIZE REDUCTION

Main Specifications & Technical Data

Rated speed 1500rpm (IE5 compliant, IE6 available upon request)

Model	Frame Size	Power (Kw)	Current (A)	Efficiency (%)	Power Factor (cosφ)	Rated Torque（Nm）	Rated Frequency (Hz)	IP Rating	Insulation Class
Three Phase：380V， Rated Speed：1500rpm									
MU4-15C55C11M-ATAN-3N	112M	5.5	8.5	93.2	0.98	35	100	IP55	F
MU4-15C75C11M-ATAN-3N	112M	7.5	11.6	93.8	0.98	47.8	100	IP55	F
MU4-15C11D13S-ATAN-3N	132S	11	17	94.4	0.98	70.0	100	IP55	F
MU4-15C15D13S-ATAN-3N	132S	15	23.2	94.9	0.98	95.5	100	IP55	F
MU4-15C18D16L-ATAN-3N	160L	18.5	28.7	95.1	0.98	117.8	100	IP55	F
MU4-15C22D16L-ATAN-3N	160L	22	34.1	95.3	0.98	140.1	100	IP55	F
MU4-15C30D18L-ATAN-3N	180L	30	46.5	95.8	0.98	191.0	100	IP55	F
MU4-15C37D20L-ATAN-3N	200L	37	57.3	96.0	0.98	235.6	100	IP55	F
MU4-15C45D20L-ATAN-3N	200L	45	69.7	96.2	0.98	286.5	100	IP55	F
MU4-15C55D22S-ATAN-3N	225S	55	85.3	96.4	0.98	350.2	100	IP55	F
MU4-15C75D25M-ATAN-3N	250M	75	116	96.6	0.98	477.5	100	IP55	F
MU4-15C90D25M-ATAN-3N	250M	90	139	96.8	0.98	573.0	100	IP55	F
MU4-15C11E28M-ATAN-3N	280M	110	170	96.6	0.98	700.3	100	IP55	F
MU4-15C13E28M-ATAN-3N	280M	132	204	96.7	0.98	840.4	100	IP55	F
MU4-15C16E28M-ATAN-3N	280M	160	248	96.9	0.98	1018.7	100	IP55	F
MU4-15C18E28M-ATAN-3N	280M	185	286	97.1	0.98	1177.8	100	IP55	F
MU4-15C20E28M-ATAN-3N	280M	200	310	97.1	0.98	1273.3	100	IP55	F
MU4-15C22E28M-ATAN-3N	280M	220	341	97.1	0.98	1400.7	100	IP55	F
MU4-15C25E31M-ATAN-3N	315M	250	387	97.1	0.98	1591.7	100	IP55	F
MU4-15C28E31M-ATAN-3N	315M	280	434	97.1	0.98	1782.7	100	IP55	F
MU4-15C31E31M-ATAN-3N	315M	315	488	97.1	0.98	2005.5	100	IP55	F

N SERIES - ONE FRAME SIZE REDUCTION

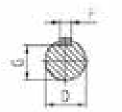
Main Specifications & Technical Data

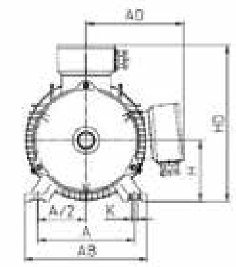
Rated speed 1000rpm (IE5 compliant, IE6 available upon request)

Model	Frame Size	Power (Kw)	Current (A)	Efficiency (%)	Power Factor (cosφ)	Rated Torque （Nm）	Rated Frequency (Hz)	IP Rating	Insulation Class
Three Phase：380V，Rated Speed：1000rpm									
MU4-10C40C11M-ATAN-3N	112M	4	6.2	91.6	0.98	38.2	66.7	IP54	F
MU4-10C55C11M-ATAN-3N	112M	5.5	8.5	92.4	0.98	52.5	100	IP55	F
MU4-10C75C13M-ATAN-3N	132M	7.5	11.6	93	0.98	71.6	100	IP55	F
MU4-10C11D13M-ATAN-3N	132M	11	17	93.8	0.98	105.1	100	IP55	F
MU4-10C15D16L-ATAN-3N	160L	15	23.2	94.4	0.98	143.3	100	IP55	F
MU4-10C18D18L-ATAN-3N	180L	18.5	28.7	94.7	0.98	176.7	100	IP55	F
MU4-10C22D18L-ATAN-3N	180L	22	34.1	95.0	0.98	210.1	100	IP55	F
MU4-10C30D20L-ATAN-3N	200L	30	46.5	95.4	0.98	286.5	100	IP55	F
MU4-10C37D22S-ATAN-3N	225S	37	57.3	95.7	0.98	353.4	100	IP55	F
MU4-10C45D25M-ATAN-3N	250M	45	69.7	95.9	0.98	429.8	100	IP55	F
MU4-10C55D25M-ATAN-3N	250M	55	85.3	96.1	0.98	525.3	100	IP55	F
MU4-10C75D28S-ATAN-3N	280S	75	116	96.4	0.98	716.3	100	IP55	F
MU4-10C90D28S-ATAN-3N	280S	90	139	96.6	0.98	859.5	100	IP55	F
MU4-10C11E28M-ATAN-3N	280M	110	170	96.4	0.98	1050.5	100	IP55	F
MU4-10C13E28M-ATAN-3N	280M	132	204	96.6	0.98	1260.6	100	IP55	F
MU4-10C16E31S-ATAN-3N	315S	160	248	96.7	0.98	1528	100	IP55	F
MU4-10C18E31S-ATAN-3N	315S	185	286	96.8	0.98	1766.8	100	IP55	F
MU4-10C20E31S-ATAN-3N	315S	200	310	96.8	0.98	1910	100	IP55	F
MU4-10C22E31M-ATAN-3N	315M	220	341	96.8	0.98	2101	100	IP55	F
MU4-10C25E31M-ATAN-3N	315M	250	387	96.8	0.98	2387.5	100	IP55	F
MU4-10C28E31M-ATAN-3N	315M	280	434	96.8	0.98	2674	100	IP55	F
MU4-10C30E31M-ATAN-3N	315M	300	465	96.8	0.98	2865	100	IP55	F

OUTLINE AND MOUNTING DIMENSIONS

B3安装形式
Mounting arrangements B3





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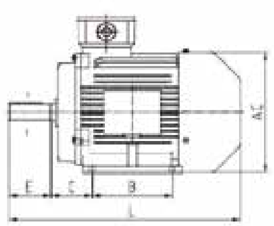

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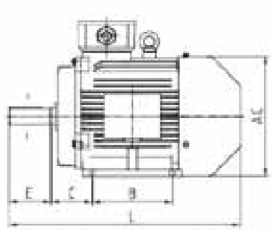

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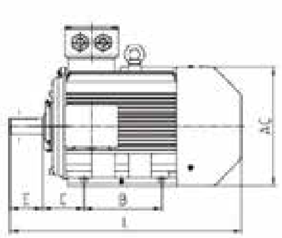
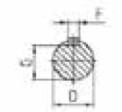
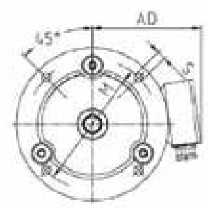


机座号(Frame No.) 160-355

B5安装形式
Mounting arrangements B5





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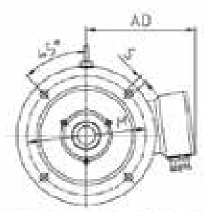

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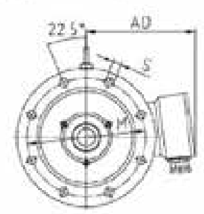

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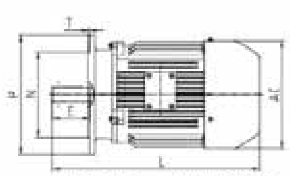

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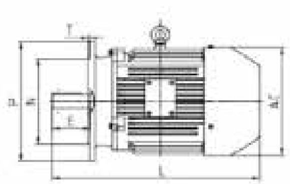

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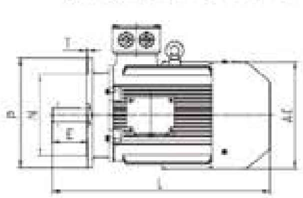
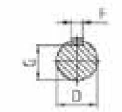
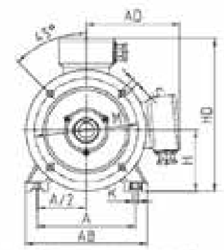


机座号(Frame No.) 160-280

B35安装形式
Mounting arrangements B35





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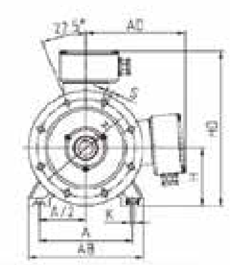

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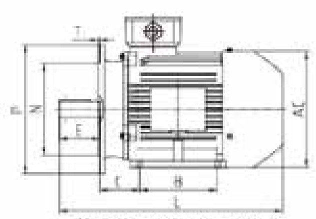

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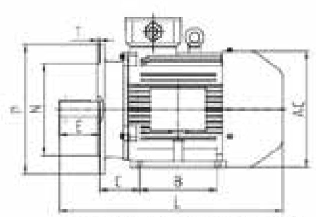

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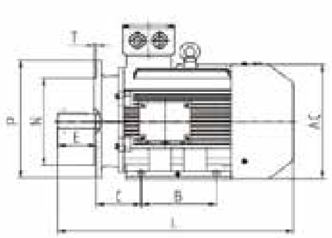


机座号(Frame No.) 160-355

OUTLINE AND MOUNTING DIMENSIONS

Frame Size	Mounting Dimensions																											Number of Flange Holes	Outline Dimensions				
	A	A/2	B	C		D		E		F		G		H		K	M	N		P	R		S			T			AB	AC	AD	HD	L
90S	140	70	100	56	±1.5	24	+0.009 -0.004	50	±0.31	8	0 -0.036	20	0 -0.20	90	0 -0.5	10	165	130	+0.014 -0.011	200	0	±1.5	12	+0.43 0	ϕ1.0	3.5	0 -0.12	4	180	195	155	250	320
90L			125																														345
100L	160	80	140	63		28		60	±0.37			24		100		12	215	180		250		±2.0	14.5		ϕ1.2	4			205	215	180	270	385
112M	190	95		70	±2.0									112															230	240	190	300	400
132S	216	108		89		38	+0.018 +0.002	80		10		33		132			265	230	+0.016 -0.013	300									270	275	210	345	470
132M			178																														510
160M	254	127	210	108	±3.0	42		110	±0.43	12	0 -0.043	37		160		14.5	300	250		350		±3.0	18.5	+0.52 0		5			320	330	255	420	615
160L			254																														670
180M	279	139.5	241	121		48				14		42.5		180															355	380	280	455	700
180L			279																														740
200L	318	159	305	133		55	+0.030 +0.011			16		49		200		18.5	350	300	±0.016	400									395	420	310	505	785
225S	356	178	286	149	±4.0	60		140	±0.50	18		53		225			400	350	±0.018	450		±4.0						8	435	470	335	560	820
225M			311																														845
250M	406	203	349	168	±4.0	65	+0.030 +0.011	140	±0.50	18	0 -0.043	58	0 -0.20	250	0 -0.5	24	500	450	±0.020	550			18.5	+0.52 0	ϕ1.2	5	0 -0.12	8	490	510	370	615	920
280S	457	228.5	368	190		75				20	0 -0.052	67.5		280	0 -1.0														550	580	410	680	990
280M			419																														1040
315S	508	254	406	216	±4.0	80	+0.030 +0.011	170	±0.50	22	0 -0.052	71	0 -0.20	315	0 -1.0	28	600	550	±0.022	660			24	+0.52 0	ϕ2.0	6	0 -0.15	8	635	645	530	845	1240
315M			457																														1350
315L			508																														1350
355M	610	305	560	254		95	+0.035 +0.013			25		86		355			740	680	±0.025	800									730	710	655	1010	1530
355L			630																														

Note：Dimension R indicates the distance from the flange mounting face to the shaft shoulder.

Permanent Magnet Synchronous Direct Drive Motor

Permanent Magnet Synchronous Direct-Drive Motor is an advanced driving method, characterized by the use of permanent magnets to generate a magnetic field, which interacts with the current on the rotor, thus efficiently converting electrical energy into mechanical energy. Compared to traditional motors, permanent magnet synchronous direct drive motors have higher efficiency and reliability, while also reducing noise and vibration.

With the design of using permanent magnets directly on the rotor, this type of motor can achieve higher torque density and lower energy consumption. In addition, by eliminating the energy loss and noise brought by gear transmission in traditional motors, the operating efficiency of permanent magnet synchronous direct drive motors is higher, with faster response speed and longer service life.

100%

Exclusive customization

Tailored solutions based on customer requirements and equipment characteristics, collaboratively setting new industry benchmarks

25%

Energy Saving & High Efficiency

Upgraded power transmission system eliminates intermediate drive components, achieving 25% comprehensive energy savings

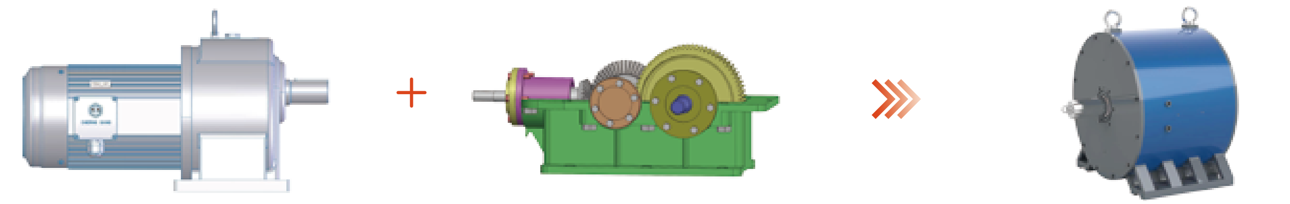
200%

Ultra-High Torque Output

Delivering ultra-high torque output with starting torque exceeding 200%

Drive System Upgrade

Replaces conventional induction motors + high-ratio gearbox solutions with direct drive, enhancing transmission efficiency and reducing emissions

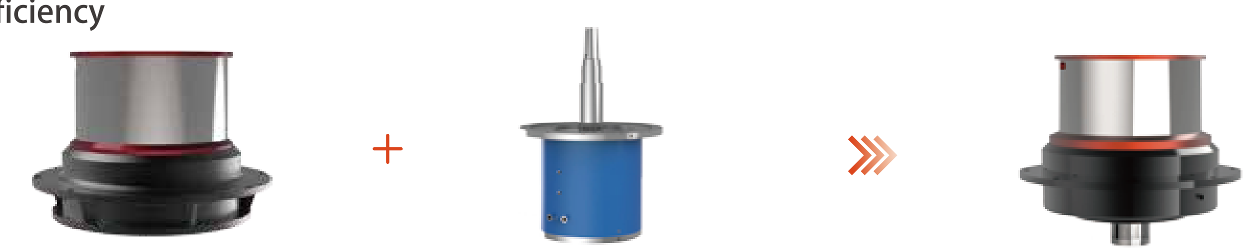


Energy Saving & High Efficiency

Mechanical structure optimization based on equipment characteristics, achieving transmission innovation and maximizing system efficiency

Deep Customization

Optimize the mechanical structure of the equipment according to its structural characteristics, achieve drive innovation, and maximize system transmission efficiency



Certification

Full Series CE Certification
Full Series GB30253 Tier 1 Energy Efficiency Certification

WORKSHOP






Creating quality products, providing superior technologies, and delivering excellent services – we persistently strive for excellence!

APPLICATION