*"Leader in industrial motor."*

**PT. KTZ Dinamik**

# COMPANY PROFILE

Motor Manufacturer

# PT. KTZ Dinamik

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## Who We Are

KTZ Dinamik commence for business in 2010. From humble beginnings, we aim to grow into one of Asia Pacific's most successful independent privately owned electric motor producer.

The Indonesia office began offering unique KTZ style of service in 2010. Our name will become synonymous with service above and beyond the call of duty and our independence will allow an unequalled degree of flexibility when it comes to satisfying customers engineering needs.

## What We Offer

KTZ Dinamik stocks a huge range of high quality and reliable electric motors. From customised motors that suits clients production needs, to more cost effective products that don't compromise on quality.

## Who We Supply To

As a manufacturing company we supply to a wide range of business at a competitive price. We will always pride ourselves on the level of service we offer to all our customers regardless of their size.

## Our People

KTZ's most important asset. The team at KTZ have a wide range of backgrounds from manufacturing to customer's service related to the electric motor industry. All staff are equipped with a wealth of knowledge on our products and are constantly updated with the latest information on product developments.

## Our Goals

KTZ will strive to provide a level of service second to none. We will always be reviewing and expanding our procedures, changing constantly to meet the changing needs of our customers. Put it simply we want to give the best and that's why we say "Not a problem. We can do it."

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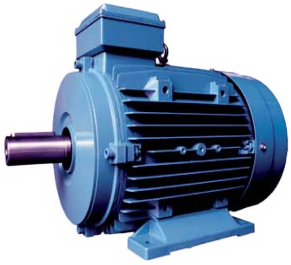
All of our products can be tailor-made to cater to your specific requirements.
Contact us via email or call us for more information.

**Standard (EFF2)**

## CT Series

## A T Series



## HighTemperatureResistance

## Explosion Proof

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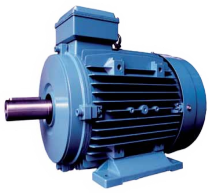
# AT Series Three Phase TEFC aluminium Induction Motor



Standard AT motors are three phase totally enclosed fan cooled(TEFC) aluminium induction motor with IEC frame size from 56 to 132 The efficency of MS motors reach the IE1 standard.
Aside from the general purpose applications in machines similiar to the CT series, AT motors can particularly be used in areas which has a weight limit due to the lighter aluminium frames.

| Item | Standard Specifications |
|---|---|
| Type of Motor | Totally-enclosed fan-cooled squirrel cage aluminium induction motor |
| Design standards | I EC 60034-1 |
| Voltage and Frequency | Standard stock avaliable are:<br>220-240/380-415V/50Hz for 2.2 KW & below<br>380-415/660-720V/50Hz for 3KW & above<br>other voltages such as 200V, 346V, 440V, 460V & 60Hz can be supplied on request |
| Power Conditions | ± 5% of rated voltage and ± 1% frequency<br>± 1% phase unbalance |
| Time Duty | Continous S1, MCR (S.F:1.0) |
| Cooling Method | self external fan, surface cooling (IC 411) |
| Method of Starting | Full voltage direct on line starting or star-delta starting |
| Mounting | Horizontal foot mounting, flange mounting: B3. B5. B14, B35, V1 |
| Insulation class & Temperate Rise | Adopting class F insulation and checking permissible limits of temperature rise again of class B to improve the insulation reliability |
| Rotor Winding | Squirrel cage, aluminium conductor with end-ring and wafter blades integrally cast |
| Environmental Conditions | Place: Non-hazardous, shaded<br>Ambient temperature: -20°C to 40°C<br>Relative humidity: Less than 90% RH(non-condesation)<br>Altitude: Up to 1,000 metres above sea level |
| Drive Method | Belt service (Note: Frame Size 225 and above is for coupling drive) |
| Direction of Rotation | Standard motors are suitable for operation in either direction of rotation of Direction rotation of motor can be reversed by inerchanging any two of the power lines |
| Test Procedure | I EC and full voltage measuring starting operation |
| Fan Cover | Pressed steel |
| Shaft | Carbon Steel, round shaft with key |
| Bearing | Grease pre-packed shielded ball bearing |
| Lubrication | Lithium-base grease (Shell Alvania R3) |
| Painting | Phenolic rust-proof base plus lacquer surface finish. Painting in blue |
| Nameplate | Aluminium |
| Ground Terminal | NE set inside the terminal box |

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# CT Series Three Phase TEFC Cast Iron Induction Motor

Standard CT motors are three phase totally enclosed fan cooled(TEFC) cast-iron induction motor with IEC frame size from 63 to 450. CT motors are suitable for continous S1 duty, which means that it can operate under constant load and lasting long enough to allow the machine to reach thermal equilibrium. The efficency of CT motors reach the IE1 standard.
The CT series is used for general purpose applications in machines such as fans, pumps, electric power packs and etc.

| Item | Standard Specifications |
|---|---|
| Type of Motor | Totally-enclosed fan-cooled squirrel cage aluminium induction motor |
| Design standards | IEC 60034-1 |
| Voltage and Frequency | Standard stock avaliable are:<br>220-240/380-415V/50Hz for 2.2 KW & below<br>380-415/660-720V/50Hz for 3KW & above<br>other voltages such as 200V, 346V, 440V, 460V & 60Hz can be supplied on request |
| Power Conditions | ± 5% of rated voltage and ± 1% frequency<br>± 1% phase unbalance |
| Time Duty | Continous S1, MCR (S.F:1.0) |
| Cooling Method | self external fan, surface cooling (IC 411) |
| Method of Starting | Full voltage direct on line starting or star-delta starting |
| Mounting | Horizontal foot mounting, flange mounting: B3. B5. B14, B35, V1 |
| Insulation class & Temperate Rise | Adopting class F insulation and checking permissible limits of temperature rise against that of class B to improve the insulation reliability |
| Rotor Winding | Squirrel cage, aluminium conductor with end-ring and wafter blades integrally cast |
| Environmental Conditions | Place: Non-hazardous, shaded<br>Ambient temperature: -20°C to 40°C<br>Relative humidity: Less than 90% RH(non-condesation)<br>Altitude: Up to 1,000 metres above sea level |
| Drive Method | Belt service (Note: Frame Size 225 and above is for coupling drive) |
| Direction of Rotation | Standard motors are suitable for operation in either direction of rotation. Direction of rotation of motor can be reversed by inerchanging any two of the power lines |
| Test Procedure | I EC and full voltage measuring starting operation |
| Fan Cover | Pressed steel |
| Shaft | Carbon Steel, round shaft with key |
| Bearing | Grease pre-packed shielded ball bearing |
| Lubrication | Lithium-base grease (Shell Alvania R3) |
| Painting | Phenolic rust-proof base plus lacquer surface finish. Painting in blue |
| Nameplate | Aluminium |
| Ground Terminal | NE set inside the terminal box |

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# Nanyang YB2 Series Three Phase Explosion Proof Induction Motor

YB2 series three phase explosion proof motors are uniquely designed to contain the sparks within the motor to prevent ignition of external combustible vapours.
The explosion proof characteristic enables the motor to be safely used in hazardous locations.

Certifications
- Atex EExd IIB T4 or EExd I
- Atex EExd IIC T4


Nemko Certifications
- ATEX EExd IIB T4 or EExd I
- ATEX EExd IIC T4

| Item | Standard Specifications |
|---|---|
| Type of Motor | Totally-enclosed fan-cooled squirrel cage induction motor |
| Design standards | German DIN42673 IEC79-1, BS4683, EN50018 |
| Time Duty | Continous S1, MCR (S.F:1.0) |
| Cooling Method | self external fan, surface cooling (IC 411) |
| Method of Starting | Full voltage direct on line starting or star-delta starting |
| Mounting | Horizontal foot mounting, flange mounting: B3. B5. B14, B35, V1 |
| Insulation class & Temperate Rise | Adopting class F insulation and checking permissible limits of temperature rise against that of class B to improve the insulation reliability |
| Rotor Winding | Squirrel cage, aluminium conductor with end-ring and wafter blades integrally cast |
| Environmental Conditions | Place: Hazardous Location<br>Ambient temperature: -20°C to 40°C<br>Relative humidity: Less than 90% RH(non-condesation)<br>Altitude: Up to 1,000 metres above sea level |
| Drive Method | Belt service (Note: Frame Size 225 and above is for coupling drive) |
| Direction of Rotation | Standard motors are suitable for operation in either direction of rotation. Direction of rotation of motor can be reversed by inerchanging any two of the power lines |
| Shaft | Carbon Steel, round shaft with key |
| Bearing | Grease pre-packed shielded ball bearing |
| Lubrication | Lithium-base grease |
| Painting | High quality enamel finish, standard colors is light blue with other colors avaliable on request. |
| Nameplate | Stainless steel |
| Ground Terminal | NE set inside the terminal box |

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# CT-YH Series Three Phase High Temperature Resistance Induction Motor

High Temperature Resistant Motors are specially designed for demanding and critical applications, such as fire emergencies in built-up areas. These motors play a life-saving role in the swift extraction and clearance of smoke and toxic fumes at high temperatures during emergencies to reduce casualties as well as facilitate the rescue operations. These motors are compliant to BS 7346 : Part 2 : 1990 "Specifications for powered smoke and heat exhaust ventilators." The efficency of CT-YH motors reach the IE1 standard. The High Temperature Resistance motors have been tested and certified to run for two hours at 300°C and 400°C. Contact us for the certifications if required.

| Item | Standard Specifications |
|---|---|
| Type of Motor | Totally Enclosed Air Over (TEAO) Squirrel cage induction motor |
| Design standards | IEC 60034 |
| Voltage and Frequency | Standard stock avaliable are:<br>220-240/380-415V/50Hz for 2.2 KW & below<br>380-415/660-720V/50Hz for 3KW & above<br>other voltages such as 200V, 346V, 440V, 460V & 60Hz can be supplied on request |
| Power Conditions | ± 5% of rated voltage and ± 1% frequency<br>± 1% phase unbalance |
| Time Duty | Continuous rating S1 to IEC 60034 , BS 4999 and AS 1359 part 30 with follow-up emergency rating<br>to 300°C for 120 mins or even up to 400°C for 120 mins. |
| Cooling Method | TEAO, rely upon the strong air flow of the fan or blower which they are driving to cool them. |
| Method of Starting | Full voltage direct on line starting or star-delta starting |
| Mounting | Horizontal foot mounting, flange mounting: B3. B5. B14, B35, V1 |
| Insulation class & Temperate Rise | From standard class H up to 400°C for 120mins |
| Rotor Winding | Squirrel cage, aluminium conductor with end-ring and wafter blades integrally cast |
| Drive Method | Belt service (Note: Frame Size 225 and above is for coupling drive) |
| Direction of Rotation | Standard motors are suitable for operation in either direction of rotation. Direction of rotation of motor can be reversed by inerchanging any two of the power lines |
| Test Procedure | I EC and full voltage measuring starting operation |
| Fan Cover | Pressed steel |
| Shaft | Carbon Steel, round shaft with key |
| Bearing | Anti-friction ball-bearings with heat resistant silicon thickened grease. |
| Lubrication | Heat resistant silicon thickened grease. |
| Painting | Phenolic rust-proof base plus lacquer surface finish. Painting in red |
| Nameplate | Stainless steel |
| Ground Terminal | NE set inside the terminal box |

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## Contact Us

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