

**Reference No.** : WTN15N0628351R1S  
**Applicant** : NINGBO ZHONGDA LEADER INTELLIGENT TRANSMISSION CO., LTD.  
**Address** : 185 1st Xinxing Rd, New Industrial Zone, Zonghan St, Ningbo Cixi, Zhejiang 315301, CHINA  
**Manufacturer** : NINGBO ZHONGDA LEADER INTELLIGENT TRANSMISSION CO., LTD.  
**Address** : 185 1st Xinxing Rd, New Industrial Zone, Zonghan St, Ningbo Cixi, Zhejiang 315301, CHINA  
**Product** : Induction motor  
**Model No.** : xIKya-bc; xRKya-bc;  
(the meaning of represent letter -x, y, a, b, c refer to page 4 for details)  
**Technical data** : Refer to page 2 for details.



## Test Standards:

**EN 60034-1:2010**

The above product has been tested by us with the listed standards and found in compliance with the European Directive LVD 2014/35/EU. It is possible to use CE marking to demonstrate the compliance with this LVD Directive.

### Rotating electrical machines

#### Part 1: Rating and performance

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the above mentioned EU Directive. Other relevant Directives have to be observed.

After preparation of the necessary technical documentation as well as the verification of conformity, the CE marking as shown below can be affixed on the equipment.



The statement is based on a single evaluation of the sample of above mentioned product. It does not imply an assessment of the whole production.

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**Model list**

For our product induction motor with model **xIKya-bc**, **xRKya-bc**, the meaning of letter **x, y, a, b, c** was listed in following.

**x is represent the number 2,3,4, 5, 6;**

it means the size of motor base. 2:60 mm; 3:70mm; 4:80 mm; 5:90 mm; 6:104 mm;

**y is represents the number 6, 15, 25, 40, 60, 90, 120, 140, 200;**

it means the power output of motor. 6: 6W, 15:15W, 25: 25W, 40:40W, 60:60W, 90:90W, 120:120W, 140:140W; 200:200W;

**a is represents the letter GN, GU, A, A1;**

it means the type of motor axis.

GN: GN type Pinion shaft, GU: GU type Pinion shaft, A: D shape shaft, A1: key-way;

**b is represents the letter S, S3, U, S4;**

it means the rated voltage input.

S: three-phase 200-240V, 50/60Hz, 4P; S3: three-phase 380-415V, 50/60Hz, 4P;

U: three-phase 200-240V/380-415V//440-480, 50/60//60Hz, 4P; S4: three-phase 440-480V, 60Hz, 4P;

**c is represent the letter M, P, F, T;**

It means the attached components.

M: electromagnetics brake, P: thermal protector; F: ordinary fan, T: terminal box.



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Reference No. : WTN14F0918685A1C  
Applicant : Ningbo Zhongda Leader Transmission Equipment Co., Ltd  
Address : #185 1st Xinxing Road New industrial Zone Cixi City  
Manufacturer : Ningbo Zhongda Leader Transmission Equipment Co., Ltd  
Address : #185 1st Xinxing Road New industrial Zone Cixi City  
Product : AC Gear Motor  
Model No. : Please refer to next page (s)



**Tested Standards:**  
**EN62321:2009**

The above product has been tested by us with the listed standards and found in compliance with the European RoHS Directive 2011/65/EU.

**Electrotechnical products - Determination of levels of six regulated substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers)**

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the above mentioned EU Directive. Other relevant Directives have to be observed.

After preparation of the necessary technical documentation according the requirement of EN50581 as well as the verification of conformity, the CE marking as shown below can be affixed on the equipment.



This Verification of Conformity confirms the compliance with the listed requirements on a Voluntary basis. It refers only to the sample submitted and does not imply an assessment of the whole production.

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## Model list:

5RK60RGN-CMFTP/5GN90K
2IK6(10)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
2RK6(10)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
2TK3A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
2IK6(10)RA(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
2RK6(10)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)M(P, F, FF, T)
2RK6(10)RA(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
2TK3A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)M(P, F, FF, T)
2RK6(10)RA(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)M(P, F, FF, T)
3IK15(20)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
3RK15(20)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
3TK6A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
3IK15(20)RA(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
3RK15(20)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)M(P, F, FF, T)
3RK15(20)RA(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
3TK6A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)M(P, F, FF, T)
3RK15(20)RA(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)M(P, F, FF, T)
4IK25(40)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
4RK25(40)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
4TK10(13)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
4IK25(40)RA(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
4RK25(40)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)M(P, F, FF, T)
4RK25(40)RA(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
4TK10(13)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)M(P, F, FF, T)
4RK25(40)RA(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)M(P, F, FF, T)
5IK40(60, 90, 120, 150)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
5RK40(60, 90, 120, 150)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
5TK20(40)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
5IK40(60, 90, 120, 150)RA(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
5RK40(60, 90, 120, 150)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)M(P, F, FF, T)
5RK40(60, 90, 120, 150)RA(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
5TK20(40)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)M(P, F, FF, T)
5RK40(60, 90, 120, 150)RA(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)M(P, F, FF, T)
6IK120(140, 180, 200, 250)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
6RK120(140, 180, 200, 250)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
6TK28(40)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
6IK120(140, 180, 200, 250)RA(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)
6RK120(140, 180, 200, 250)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)M(P, F, FF, T)
6RK120(140, 180, 200, 250)RA(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)(P, F, FF, T)

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6TK28(40)A(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)M(P, F, FF, T)
6RK120(140, 180, 200, 250)RA(A1, A2, GN, GU)-A(B, C, D, E, H, S, S3, T, T3, S4, T4, U, W)M(P, F, FF, T)

Remark: As the types of gearboxes are too much, we mark motor type only. There're AC motor and AC gear motor. GN&GU type can match to gearbox. A, A1, A2 mean motor only. A, B, C, D, E, H, S, S3, T, T3, S4, T4, U, W mean AC voltage and frequency. M, P, F, FF, T mean additional parts, please see details in model explanation.

5 R K 60 R GU - C M P F T  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

Model explanation:

- ①Motor size 0: 42mm 2: 60mm 3: 70mm 4: 80mm 5: 90mm 6: 104mm
- ②Motor type I: Induction R: Reversible T: Torque
- ③Series name K: K series (AC micro series)
- ④Output power 3: 3W 6: 6W 15: 15W.....200: 200W (3W~200W)
- ⑤R means speed adjustable motor. Can remove it if not speed adjustable motor.
- ⑥Motor shaft GN: Normal helical gear GU: Strengthened helical gear A: "D" cut A1: Keyway A2: Round
- ⑦Motor voltage A: 1 phase 100-110V 50/60Hz 4P B: 1 phase 100-110V 50/60Hz 2P  
 C: 1 phase 220-230V 50/60Hz 4P D: 1 phase 220-230V 50/60Hz 2P  
 E: 1 phase 100-120V 60Hz 4P H: 1 phase 220-230V 60Hz 4P  
 S: 3 phase 200-230V 50/60Hz 4P S3: 3 phase 380-415V 50/60Hz 4P  
 U: 3 phase 220/380V 50/60Hz 4P S4: 3 phase 440-480V 50/60Hz 4P  
 T: 3 phase 200-230V 50/60Hz 2P T3: 3 phase 380-415V 50/60Hz 2P  
 W: 3 phase 220/380V 50/60Hz 2P T4: 3 phase 440-480V 50/60Hz 2P
- ⑧Additional parts M: Brake P: Thermal protector F: Fan FF: Separate fan T: Terminal box

5 GN/GU 15 (K/KB/KS/X) (KT/KBT/KST) (RA/RH/RC/RT)  
 ① ② ③ ④

Gearbox explanation:

- ①Size 0: 42mm 2: 60mm 3: 70mm 4: 80mm 5: 90mm 6: 104mm
- ②Series GN: Normal type GU: Strengthened type
- ③Reduction ratio 15: Ratio is 1:15 (1:3~1:750)
- ④Assembly model For GN K: Thread hole long case KS: Thread hole short case  
 KT: Through hole long case KST: Through hole short case  
 X: Mid-gearbox  
 R: Right angle worm shaft  
 RH: Right angle worm hollow shaft  
 RT: Right angle bevel gear shaft  
 RC: Right angle bevel hollow shaft  
 GU type of Size 5 K: With flange KB: Square thread case KBT: Square through hole case

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