

FLOOR CARE ACTUATORS



ZZQ-TG01A & ZZQ-TG02A IS A SMALL AND POWERFUL ACTUATOR DESIGNED FOR USE IN SYSTEM SOLUTIONS FOR RISE ON AND PUSH BEHIND FLOOR CARE EQUIPMENT OR INDUSTRIAL APPLICATIONS. THE IDEAL APPLICATIONS ARE FOR EXAMPLE SQUEEGEES, LIGHT LIFTS OR SMALL BRUSHES.

ZZQ-TG01A (30:1 Gear Ratio)
 Rated Power (W): 5.5
 Rated Voltage (V): 122/24/36/48V
 Gear Ratio: 30:1
 Stroke Length (mm): 50-500
 Moving Speed (mm/s): 6.5-9
 Force (N): 750N in Push and Pull
 Installation Dimension (mm): 120x5
 Protection Class: IP65
 Life: >50000 Cycles
 Duty Cycle: S3-10%

ZZQ-TG02A (20:1 Gear Ratio)
 Rated Power (W): 5.5
 Rated Voltage (V): 122/24/36/48V
 Gear Ratio: 20:1
 Stroke Length (mm): 50-500
 Moving Speed (mm/s): 10-14
 Force (N): 500N in Push and Pull
 Installation Dimension (mm): 155x5
 Protection Class: IP65
 Life: >50000 Cycles
 Duty Cycle: S3-10%



ZZQ-TG02B (8:1 Gear Ratio)
 Rated Power (W): 5.5
 Rated Voltage (V): 122/24/36/48V
 Gear Ratio: 8:1
 Stroke Length (mm): 50-300
 Moving Speed (mm/s): 24-32
 Force (N): 250N in Push and Pull
 Installation Dimension (mm): 105x5
 Protection Class: IP44
 Life: >50000 Cycles
 Duty Cycle: S3-10%



ZZQ-TG01B IS A SMALL AND POWERFUL ACTUATOR DESIGNED FOR USE IN SYSTEM SOLUTIONS FOR RISE ON AND PUSH BEHIND FLOOR CARE EQUIPMENT OR INDUSTRIAL APPLICATIONS.

ZZQ-TG01A (10:1 Gear Ratio)
 Rated Power (W): 5.5
 Rated Voltage (V): 122/24/36/48V
 Gear Ratio: 10:1
 Stroke Length (mm): 50-700
 Moving Speed (mm/s): 22-28
 Force (N): 250N in Push and Pull
 Installation Dimension (mm): 120x5
 Protection Class: IP65
 Life: >50000 Cycles
 Duty Cycle: S3-10%

ZZQ-TG01A (40:1 Gear Ratio)
 Rated Power (W): 5.5
 Rated Voltage (V): 122/24/36/48V
 Gear Ratio: 40:1
 Stroke Length (mm): 50-500
 Moving Speed (mm/s): 5.5-7
 Force (N): 1000N in Push and Pull
 Installation Dimension (mm): 120x5
 Protection Class: IP65
 Life: >50000 Cycles
 Duty Cycle: S3-10%

ZZQ-TG02A (30:1 Gear Ratio)
 Rated Power (W): 5.5
 Rated Voltage (V): 122/24/36/48V
 Gear Ratio: 30:1
 Stroke Length (mm): 50-65
 Moving Speed (mm/s): 5.5-7
 Force (N): 1000N in Push and Pull
 Installation Dimension (mm): 155x5
 Protection Class: IP65
 Life: >50000 Cycles
 Duty Cycle: S3-10%

ZZQ-TG02A (40:1 Gear Ratio)
 Rated Power (W): 5.5
 Rated Voltage (V): 122/24/36/48V
 Gear Ratio: 40:1
 Stroke Length (mm): 50-65
 Moving Speed (mm/s): 5.5-7
 Force (N): 1000N in Push and Pull
 Installation Dimension (mm): 155x5
 Protection Class: IP65
 Life: >50000 Cycles
 Duty Cycle: S3-10%

ZZQ-TG01A (20:1 Gear Ratio)
 Rated Power (W): 5.5
 Rated Voltage (V): 122/24/36/48V
 Gear Ratio: 20:1
 Stroke Length (mm): 50-700
 Moving Speed (mm/s): 10-14
 Force (N): 500N in Push and Pull
 Installation Dimension (mm): 120x5
 Protection Class: IP65
 Life: >50000 Cycles
 Duty Cycle: S3-10%

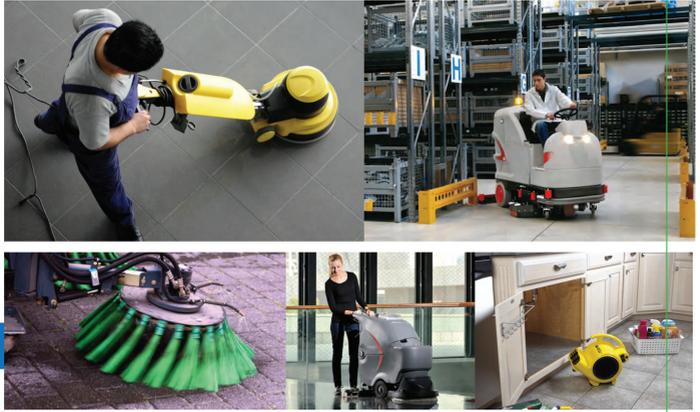
ZZQ-TG02A (10:1 Gear Ratio)
 Rated Power (W): 5.5
 Rated Voltage (V): 122/24/36/48V
 Gear Ratio: 10:1
 Stroke Length (mm): 50-65
 Moving Speed (mm/s): 10-14
 Force (N): 250N in Push and Pull
 Installation Dimension (mm): 155x5
 Protection Class: IP65
 Life: >50000 Cycles
 Duty Cycle: S3-10%

ZZQ-TG02A (40:1 Gear Ratio)
 Rated Power (W): 5.5
 Rated Voltage (V): 122/24/36/48V
 Gear Ratio: 40:1
 Stroke Length (mm): 50-65
 Moving Speed (mm/s): 5.5-7
 Force (N): 1000N in Push and Pull
 Installation Dimension (mm): 155x5
 Protection Class: IP65
 Life: >50000 Cycles
 Duty Cycle: S3-10%

ZZQ-TG08-36-20-110
 Rated Power (W): 24.5
 Rated Voltage (V): 36V
 Gear Ratio: 20:1
 Stroke Length (mm): 110
 Moving Speed (mm/s): 9-12
 Force (N): 2700N in Push and Pull
 Installation Dimension (mm): 320
 Protection Class: IP54
 Life: >50000 Cycles
 Duty Cycle: S3-10%

ZZQ-TG08-36-20-110A
 Rated Power (W): 24.5
 Rated Voltage (V): 36V
 Gear Ratio: 20:1
 Stroke Length (mm): 110
 Moving Speed (mm/s): 9-11
 Force (N): 1700N in Push and Pull
 Installation Dimension (mm): 320
 Protection Class: IP54
 Life: >50000 Cycles
 Duty Cycle: S3-10%

FLOOR CARE MOTORS & ACTUATORS



ISO 9001 CERTIFIED MANUFACTURER



CHANGZHOU TIANMI NIKODA ELECTRONIC COMPANY, LTD

www.ta-nikoda.com

FLOOR CARE HEAVY-DUTY ACTUATORS



ZZQ-TG08-36-20-114
 Rated Power (W): 24.5
 Rated Voltage (V): 24V
 Gear Ratio: 20:1
 Stroke Length (mm): 114
 Moving Speed (mm/s): 9-12
 Force (N): 2700N in Push and Pull
 Installation Dimension (mm): 350
 Protection Class: IP54
 Life: >50000 Cycles
 Duty Cycle: S3-10%



ZZQ-TG08-36-20-36
 Rated Power (W): 24.5
 Rated Voltage (V): 36V
 Gear Ratio: 20:1
 Stroke Length (mm): 36
 Moving Speed (mm/s): 9-10.5
 Force (N): 2700N in Push and Pull
 Installation Dimension (mm): 139
 Protection Class: IP54
 Life: >50000 Cycles
 Duty Cycle: S3-10%



ZZQ-TG08-36-22-69
 Rated Power (W): 8.5
 Rated Voltage (V): 36V
 Gear Ratio: 22:1
 Stroke Length (mm): 69
 Moving Speed (mm/s): 9-10.5
 Force (N): 310N in Push and Pull
 Installation Dimension (mm): 139
 Protection Class: IP54
 Life: >50000 Cycles
 Duty Cycle: S3-10%



ZZQ-TG08-36-20-110
 Rated Power (W): 24.5
 Rated Voltage (V): 36V
 Gear Ratio: 20:1
 Stroke Length (mm): 110
 Moving Speed (mm/s): 9-12
 Force (N): 2700N in Push and Pull
 Installation Dimension (mm): 310
 Protection Class: IP54
 Life: >50000 Cycles
 Duty Cycle: S3-10%



ZZQ-TG08-36-20-110A
 Rated Power (W): 24.5
 Rated Voltage (V): 36V
 Gear Ratio: 20:1
 Stroke Length (mm): 110
 Moving Speed (mm/s): 9-11
 Force (N): 1700N in Push and Pull
 Installation Dimension (mm): 320
 Protection Class: IP54
 Life: >50000 Cycles
 Duty Cycle: S3-10%

THIS ACTUATOR IS A POWERFUL ACTUATOR SPECIALLY DESIGNED FOR HEAVY DUTY PURPOSES SUCH AS BIG BRUSH PAD LIFT UP AND DOWN.

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OUR COMPANY

Changzhou Tianan Nikoda (TA NIKODA) is a home manufacturer of special application AC and DC motor systems for ventilation, commercial floor care, industrial furniture, RV and medical/nursing bed markets. TA NIKODA was established in 1995. Throughout the years we have perfected a line of products that include permanent magnet motors, gear motors, AC and DC brush motors, AC induction motors, wheel drives, special reducers, and actuators.

TA NIKODA has met ISO 9001 (2008) and ISO 1400 (2004) standards. Our products have been certified by UL, ETL, CE, EMC, and CSA. We currently sell 80% of our motors to North America, Europe and Australia. We concentrate our focus in DC motors, DC gear motors, DC Linear Actuators, AC motors, AC gear motors, AC Linear Actuators. TA NIKODA is a recognized manufacturer of OEM motor products such as medical bed actuators, ventilation for vehicles, AC and DC motors for floor cleaning machines, redliner actuators and controllers.

TA NIKODA has over 20 design engineers keeping us in the forefront of the electric motor industry and it goes hand-in-hand with innovation in finding new solutions and new applications for our extensive product line. Innovation adds value for our clients and TA NIKODA will always strive to meet and exceed any and all customer requirements.

TA NIKODA not only focuses on stand-alone electric motors, but also on complete state of the art systems for our customers such as sit/stand desk solutions for the professional and healthy office environment. By utilizing zero-current controllers and memory handsets, we offer efficient, economical, and extremely beneficial alternatives to the standard office furniture of the past. Our goal is to continue to improve people's quality of life and working environment by helping to reduce fatigue and increase focus and stamina.

TA NIKODA... Solutions for a better life.

FLOOR CARE IAC BLOWER MOTORS

THE TANIKODA 48 FRAME AIR MOVER MOTOR DELIVERS 1 OR 3 SPEED PERFORMANCE FOR AIR MOVING APPLICATIONS IN TOTAL ENCLOSED INSTALLATIONS. THESE AIR MOVER MOTORS FEATURE BALL BEARING SUPPORTED OUTPUT SHAFTS FOR LONG LIFE PERFORMANCE. ALL MOTORS ARE ETL APPROVED AND FEATURE THERMAL PROTECTION. MULTIPLE MOUNTING CONFIGURATIONS ARE AVAILABLE.

- APPLICATIONS**
1. PROFESSIONAL FLOOR CARE
 2. AIR MOVERS
 3. BUILDING VENTILATION

- FEATURES**
1. RATINGS FROM 1/4 - 1/2 HP
 2. ONE AND THREE SPEED VERSIONS
 3. ALL MODELS ARE ETL APPROVED THERMALLY PROTECTED
 4. ALL COMPONENTS ARE UL RECOGNIZED
 5. BALL BEARING EQUIPPED
 6. TYPICAL HIGH SPEED 1100 RPM AT 60 HZ
 7. PERMANENT SPLIT CAPACITOR
 8. VARIOUS MOUNTING CONFIGURATIONS AVAILABLE

- SPECIFICATIONS**
1. 120 OR 230VAC, 50/60HZ
 2. TOTAL ENCLASURE
 3. 1.2" X 3.5" OUTPUT SHAFT



143Y002
 Rated Power (HP): 1/2HP
 (W): 370
 Rated Voltage (V): 120V
 Frequency (Hz): 60Hz
 Rated Torque (lbf.in): 2.43
 (N.m): 3.3
 Rated Speed (rpm): 1050/950/800
 Rated Current (A): 5.04/5.42
 Winding Insulation Class: B
 Housing: Enclosed Frame
 Duty Cycle: S1

143Y003
 Rated Power (HP): 1/3HP
 (W): 250
 Rated Voltage (V): 120V
 Frequency (Hz): 60Hz
 Rated Torque (lbf.in): 1.85
 (N.m): 2.5
 Rated Speed (rpm): 1080/1050/1020
 Rated Current (A): 3.5/3.3
 Winding Insulation Class: B
 Housing: Open Frame
 Duty Cycle: S1

143Y002C
 Rated Power (HP): 1/2HP
 (W): 370
 Rated Voltage (V): 220V
 Frequency (Hz): 50/60Hz
 Rated Torque (lbf.in): 2.82/2.72
 (N.m): 3.2/3.7
 Rated Speed (rpm): 1100/1050/1000
 Rated Current (A): 2.3/2.1/1.9
 Winding Insulation Class: B
 Housing: Open Frame
 Duty Cycle: S1

143Y019
 Rated Power (HP): 3/4HP
 (W): 560
 Rated Voltage (V): 220V
 Frequency (Hz): 60Hz
 Rated Torque (lbf.in): 2.95
 (N.m): 4.0
 Rated Speed (rpm): 1650/1600
 Rated Current (A): 6.5/5
 Winding Insulation Class: B
 Housing: Open Frame
 Duty Cycle: S1

143Y002A
 Rated Power (HP): 1/2HP
 (W): 370
 Rated Voltage (V): 230V
 Frequency (Hz): 60Hz
 Rated Torque (lbf.in): 2.43
 (N.m): 3.3
 Rated Speed (rpm): 1050/950/800
 Rated Current (A): 2.92/4.2/3
 Winding Insulation Class: B
 Housing: Enclosed Frame
 Duty Cycle: S1



FLOOR CARE MOTORS



86 FRAME AC MOTOR
APPLICATIONS
 • PROFESSIONAL FLOOR CARE
 • LOW SPEED SCRUBBERS
 • 120 & 240 VAC, 50 OR 60 HZ
 • 3 PLANET GEARBOXES
 • ETL & CETL APPROVED



86 FRAME SUPER DUTY AC MOTOR
APPLICATIONS
 • SUPER DUTY PROFESSIONAL FLOOR CARE
 • LOW SPEED SCRUBBERS
 • 120 & 240 VAC, 50 OR 60 HZ
 • 3 PLANET GEARBOXES
 • ETL & CETL APPROVED



200 AC MOTOR
APPLICATIONS
 • PROFESSIONAL FLOOR CARE
 • LOW SPEED SCRUBBERS
 • 230 VAC
 • HEAVY DUTY GEARBOXES



200 HIGH DUAL SPEED AC MOTORS
APPLICATIONS
 • POLYURETHANERUBBER MOTORS
 • 230VAC INPUT FLOOR MACHINES
 • LOW PROFILE DESIGN
 • ETL & CETL APPROVED



86 FRAME DC PERMANENT MAGNET MOTOR
APPLICATIONS
 • BRUSH DRIVE MOTORS FOR POLISHERS/SCRUBBERS
 • 120VAC AND 230VAC INPUT FLOOR MACHINES
 • LOW PROFILE DESIGN
 • ETL & CETL APPROVED



200ZYT004
 Rated Power (W): 1100
 Rated Voltage (V): 115V
 Rated Torque (lbf.in): 2.36
 (N.m): 3.2
 Rated Speed (rpm): 3200
 Rated Current (A): 15
 Winding Insulation Class: B
 Brush Life: 1500h
 Shaft Size: Ø19.01-Ø19.03
 Duty Cycle: S1



200ZYT001
 Rated Power (W): 1100
 Rated Voltage (V): 115V
 Rated Torque (lbf.in): 2.36
 (N.m): 3.2
 Rated Speed (rpm): 3000
 Rated Current (A): 15
 Winding Insulation Class: B
 Brush Life: 1500h
 Shaft Size: Ø19.05-Ø19.075
 Duty Cycle: S1



200ZYT010
 Rated Power (W): 1100
 Rated Voltage (V): 115V
 Rated Torque (lbf.in): 2.36
 (N.m): 3.2
 Rated Speed (rpm): 3000
 Rated Current (A): 15
 Winding Insulation Class: B
 Brush Life: 1500h
 Shaft Size: Ø19.05-Ø19.075
 Duty Cycle: S1



200ZYT002
 Rated Power (W): 580
 Rated Voltage (V): 230V
 Rated Torque (lbf.in): 1.48
 (N.m): 2
 Rated Speed (rpm): 2800
 Rated Current (A): 22.5
 Winding Insulation Class: B
 Brush Life: 1500h
 Shaft Size: Ø19
 Duty Cycle: S1



200ZYT011
 Rated Power (W): 1100
 Rated Voltage (V): 115V
 Rated Torque (lbf.in): 2.36
 (N.m): 3.2
 Rated Speed (rpm): 3200
 Rated Current (A): 15
 Winding Insulation Class: B
 Brush Life: 1500h
 Shaft Size: Ø19.05-Ø19.075
 Duty Cycle: S1



200ZYT009
 Rated Power (W): 1100
 Rated Voltage (V): 115V
 Rated Torque (lbf.in): 2.36
 (N.m): 3.2
 Rated Speed (rpm): 3200
 Rated Current (A): 15
 Winding Insulation Class: B
 Brush Life: 1500h
 Shaft Size: Ø19.05-Ø19.075
 Duty Cycle: S1

200YLJ001 (US)
 Rated Power (HP): 1.5HP
 (W): 1100
 Rated Voltage (V): 120/240V
 Frequency (Hz): 50/60Hz
 Gear Ratio: 10:1
 Rated Torque (lbf.in): 4.43
 (N.m): 6
 Rated Speed (rpm): 174:10
 Rated Current (A): <13.7/6.8
 Winding Insulation Class: B
 Protection Class: Open Frame
 Duty Cycle: S1

200YLJ003 (US)
 Rated Power (HP): 1.5HP
 (W): 1100
 Rated Voltage (V): 120/240V
 Frequency (Hz): 50/60Hz
 Gear Ratio: 11:1
 Rated Torque (lbf.in): 4.43
 (N.m): 6
 Rated Speed (rpm): 174:10
 Rated Current (A): <15.8/5
 Winding Insulation Class: F
 Housing: Enclosed Frame
 Duty Cycle: S1

200YLJ004
 Rated Power (HP): 2.0HP
 (W): 1500
 Rated Voltage (V): 230V
 Frequency (Hz): 50Hz
 Rated Torque (lbf.in): 7.38
 (N.m): 10
 Rated Speed (rpm): 1430:10
 Rated Current (A): 8.5
 Winding Insulation Class: F
 Protection Class: Open Frame
 Duty Cycle: S1

200YLJ005
 Rated Power (HP): 1.2HP
 (W): 800
 Rated Voltage (V): 230V
 Frequency (Hz): 50Hz
 Gear Ratio: 10:1
 Rated Torque (lbf.in): 6.02/2
 (N.m): 8.2
 Rated Speed (rpm): 144:290
 Rated Current (A): 6/8
 Winding Insulation Class: F
 Protection Class: Open Frame
 Duty Cycle: S1

200YLJ007
 Rated Power (HP): 1.5HP
 (W): 1100
 Rated Voltage (V): 230V
 Frequency (Hz): 50Hz
 Rated Torque (lbf.in): 5.92/5
 (N.m): 8.1
 Rated Speed (rpm): 2800/1450
 Rated Current (A): 8/8.5
 Winding Insulation Class: F
 Housing: Open Frame
 Duty Cycle: S1

200YLJ007
 Rated Power (HP): 1.5HP
 (W): 1100
 Rated Voltage (V): 230V
 Frequency (Hz): 50Hz
 Rated Torque (lbf.in): 5.92/5
 (N.m): 8.1
 Rated Speed (rpm): 2800/1450
 Rated Current (A): 8/8.5
 Winding Insulation Class: F
 Housing: Open Frame
 Duty Cycle: S1

200ZYT008
 Rated Power (W): 580
 Rated Voltage (V): 230V
 Rated Torque (lbf.in): 1.48
 (N.m): 2
 Rated Speed (rpm): 2800
 Rated Current (A): 22.5
 Winding Insulation Class: B
 Brush Life: 1500h
 Shaft Size: Ø19
 Duty Cycle: S1

200ZYT009
 Rated Power (W): 1100
 Rated Voltage (V): 115V
 Rated Torque (lbf.in): 2.36
 (N.m): 3.2
 Rated Speed (rpm): 3200
 Rated Current (A): 15
 Winding Insulation Class: B
 Brush Life: 1500h
 Shaft Size: Ø19.05-Ø19.075
 Duty Cycle: S1

156ZYT001
 Rated Power (W): 740
 Rated Voltage (V): 24V
 Gear Ratio: 5.2:1
 (N.m): 31
 Rated Speed (rpm): 138
 Rated Current (A): 4.2
 Winding Insulation Class: B
 Shaft Size: Ø19
 Brush Life: >3000h
 Duty Cycle: 10%

156ZYT002
 Rated Power (W): 740
 Rated Voltage (V): 220V
 Gear Ratio: 5.2:1
 (N.m): 31
 Rated Speed (rpm): 200
 Rated Current (A): 5.5
 Winding Insulation Class: B
 Shaft Size: Ø19
 Brush Life: >1500h
 Duty Cycle: 10%

114ZT001
 Rated Power (W): 450
 Rated Voltage (V): 24V
 Gear Ratio: 10:1
 (N.m): 2.5
 Rated Speed (rpm): 140
 Rated Current (A): 21
 Winding Insulation Class: B
 Shaft Size: Ø20
 Brush Life: 1500h
 Duty Cycle: S1

200YLJ025
 Rated Power (HP): 2.0HP
 (W): 1500
 Rated Voltage (V): 230V
 Frequency (Hz): 50Hz
 Gear Ratio: 10:1
 Rated Torque (lbf.in): 6.02/2
 (N.m): 8.2
 Rated Speed (rpm): 144:290
 Rated Current (A): 6/8
 Winding Insulation Class: F
 Protection Class: Open Frame
 Duty Cycle: S1

200YLJ022
 Rated Power (HP): 2.5HP
 (W): 1850
 Rated Voltage (V): 230V
 Frequency (Hz): 50Hz
 Gear Ratio: 10:1
 Rated Torque (lbf.in): 6.27
 (N.m): 8.5
 Rated Speed (rpm): 144:10
 Rated Current (A): 8.5
 Winding Insulation Class: F
 Housing: Open Frame
 Duty Cycle: S1

200YLJ021
 Rated Power (HP): 3.0HP
 (W): 2150
 Rated Voltage (V): 230V
 Frequency (Hz): 50Hz
 Gear Ratio: 10:1
 Rated Torque (lbf.in): 11.37
 (N.m): 15.5
 Rated Speed (rpm): 143:10
 Rated Current (A): 10.4
 Winding Insulation Class: F
 Housing: Enclosed Frame
 Duty Cycle: S1

200YLJ021
 Rated Power (HP): 3.0HP
 (W): 2150
 Rated Voltage (V): 230V
 Frequency (Hz): 50Hz
 Gear Ratio: 10:1
 Rated Torque (lbf.in): 11.37
 (N.m): 15.5
 Rated Speed (rpm): 143:10
 Rated Current (A): 10.4
 Winding Insulation Class: F
 Housing: Enclosed Frame
 Duty Cycle: S1