Micro AC Gear Motor

Product Selection

Motor Selection

Power → **Single-phase**

- **Speed change**: Fixed speed → **Braking and retention**: Irretention → **Rotational direction**: Unidirection → **Motor type**: Induction type → **Motor power**: 6W-200W, 0.1-0.4kW
  1. Continuous rating
  2. Starting torque / Rated torque =0.8-1.0
  3. For general power
  4. Large variety of machine types available
  5. Wide applications
- **Braking and retention**: Retention → **Rotational direction**: Frequent forward reversal → **Motor type**: Reversible → **Motor power**: 4W-200W
  1. Continuous operation
  2. Increase starting torque: 30 minutes rated rate / 5 minutes Rated rate
  3. Starting torque / Rated torque =0.9-1.3
  4. Frequent forward reversal, easy to switch
  5. can built-in a simple resistance brake device, small stop over turn with certain retention, by 3-5 over turns.
- **Braking and retention**: Braking and retention → **Rotational direction**: Forward reversal → **Motor type**: Brake motor → **Motor power**: 6W-200W, 0.1-0.4kW
  1. Safety brake
  2. Good brake retention
  3. Frequent instantaneous forward and reverse rotation, and 1-3 overturns under load
- **Speed change**: Free variation of speed → **Motor type**: Variable speed of motor → **Motor power**: 6W-200W
  1. Electronic speed controller is combined with motor speed generator to control the motor speed in closed circuit.
  2. Easy speed change and wiring
  3. Wide range of speed changes
  4. Electronic magnetic breaking and instantaneous irretention of the braking
- **Speed change**: Fixed speed → The static torque can be maintained, which means the stalling won't damage the motor.
  - Easy to adjust input voltage to control the motor output torque (torque motor)
  - With stalling and reversal features

Power → **Three-phase**

- Free speed change → Frequency conversion motor → 0.1-3.7kW
  1. High power
  2. High efficiency
  3. Suitable for industrial machineries
- Induction type → 15W-200W

Power → **DC**

- Permanent-magnet DC motor → 10W-400W
  1. Good starting and speed regulation performance
  2. Energy conservation and environment protection

DECA MANUFACTURING
Industrial Manufacturing Solutions

Contact Details:
sales@deca3d.co.za www.deca3d.co.za +27 12 012 5076
Address: 108 Hoogoond Street, Silvertondale, Pretoria, South Africa 0184