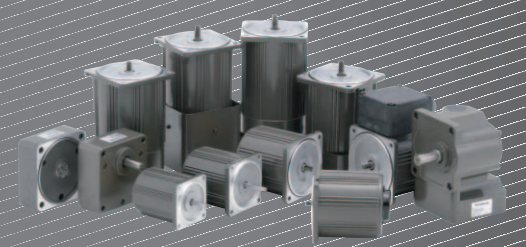


Offers geared motors useful in a wide range of applications.



Induction motor



- Suitable for continuous one-directional operation.
- Operation rating: Continuous rating
- Because of being a capacitive induction motor, it exhibits a high power factor and low noise.
- Motor output ranges from 6 W to 90 W.

Reversible motor



- Instant forward/reverse rotation is possible. The built-in balanced-coil method and simplified brake mechanism allow instant forward/reverse rotation, with the same characteristics in both directions.
 - The built-in simplified brake mechanism has a little holding power, decreasing an overrun when the motor stops. The holding torque is approximately 10% of the starting torque.
 - Time rating: 30-minute rating
- Difference between reversible and induction motors:
Reversible motors allow instant forward/reverse rotation, while induction motors do not even if the wire connections are changed for opposite direction. This is because the induction motor generates torque in the direction opposite to the rotating magnetic field, which prevents the load from being reversed instantly. To rotate it in opposite direction, stop the motor to change the wire connections, and then rotate it in opposite direction.

(Note)

- Be sure not to stop a reversible motor more than 6 times/min.
- If it needs to be stopped 7-100 times/min, use a C&B motor instead.
(However, for operation only in one direction.)
- Motor output ranges from 6 W to 90 W.

Three-phase motor



- Operation rating: Continuous rating
- The 3-phase motor is an induction motor operating on 3-phase power.
- Motor output ranges from 25 W to 90 W.

Electromagnetic brake motor



- Secure load holding – Because of an electromagnetic brake of non-excitation operation type, the braking force is applied when the power is turned off and load is held without fail.
- Excellent safety brake – A safety brake exhibiting excellent capabilities for power failure emergency brake, long-time brake holding, and preventing coasting of the machine.
- Short braking time – Overrun is 2-4 revolutions when the motor is operated alone.
- Frequent instant forward/reverse rotation is possible. With a simple switching, you can stop the motor up to 6 times/min. (Stop time should be at least 3 seconds.) If it needs to be stopped 7-100 times/min, use a C&B motor instead. (However, for operation only in one direction.)
- The motor and brake section can be operated with the same power. Because of the built-in rectifier circuit in the electromagnetic brake section, the same AC power supplied to the motor can also be used.
- Motor output ranges from 6 W to 90 W.

Variable-speed induction motor



- With the use of a speed controller together, the speed can be varied widely (50 Hz 90-1,400 r/min; 60 Hz 90-1,700 r/min).

- A wide variety of operations are possible, such as speed change, braking, forward/reverse rotation, soft start and soft down.
- A built-in tacho generator performs feedback control, eliminating rotation speed change even when the power frequency is varied.
- Motor output ranges from 6 W to 90 W.

Variable-speed reversible motor



- A variable motor with built-in simplified brake mechanism.
- Small overrun – The built-in simplified brake mechanism has a little holding power, decreasing overrun when the motor stops. The holding torque is approximately 10% of the starting torque.
- Time rating: 30-minute rating
- With the use of a speed controller together, the speed can be varied widely (50 Hz 90-1,400 r/min; 60 Hz 90-1,700 r/min).
- A wide variety of operations are possible, such as speed change, braking, forward/reverse rotation, soft start and soft down.
- A built-in tacho generator performs feedback control, eliminating rotation speed change even when the power frequency is varied.
- Motor output ranges from 6 W to 90 W.

Variable speed unit motor



- A speed controller of one-touch connection type.
- Both analogue setup type (MUS series) and digital setup type (MUX series) are available.
- Motor and controller can be purchased as a set.
- MUS series
- Analogue setup type with speed setup volume and RUN/STOP/Rotation direction selector switch attached.

- With the use of an option, the cable can be extended up to 5 m.
- MUX series
- Multi-functional digital setup type with micro computer incorporated.
 1. Rotation speed is set up digitally.
 2. Gear head rotation speed and conveyor speed can be converted instantly.
 3. Actual speed is displayed digitally.
 4. Soft start/down function
 5. Function to back up setting conditions
 6. Set lock function
- With the use of an option, the cable can be extended up to 5 m. (An extension cable with 1 m length is attached to the motor.)

C&B motor (Only for Japanese version)



- Suitable for high frequency operation. Thanks to the high precision, high response clutch brake, high frequency start/stop operations, up to 100 times/min, are possible. (For operation only in one direction)
- High-reliability gear head – With the use of a dedicated high-reliability gear head, up to 2 million times of start/stop operations are possible.
- The clutch brake is excitation type. The clutch brake of the C&B motor is excitation operation type operating at 24 Vdc.
- Motor output ranges from 6 W to 90 W.

2-pole round shaft motor



- A high-speed (50 Hz 3,000 r/min; 60 Hz 3,600 r/min) induction motor.
- Operation rating: Continuous rating.
- A motor designed specifically for the round shaft.
- Motor output ranges from 40 W to 150 W.