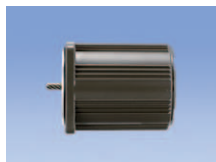


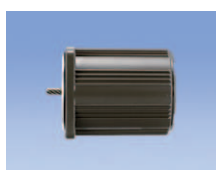
Induction motor B-1

- Motor suitable for one-directional continuous running
- Continuous rating
- A wide selection for various applications
- Best suitable for normal load
- IP20



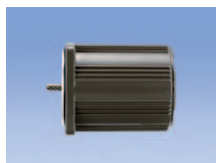
Reversible motor B-63

- Offer super instant reverse characteristics
- 30-minute rating
- Provided with internal simple braking mechanism
- Minimum overrun
- IP20



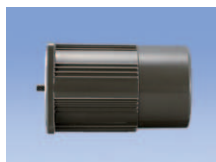
3-phase motor B-125

- Induction motor running with 3-phase supply system
- Continuous rating
- IP20



Electromagnetic brake motor B-167

- Provided with internal off brake mechanism
- High braking and load holding torque
- IP20



Variable speed motor B-223

- Provided with internal tachometer generator
- When used with a speed controller, enables stepless speed change device
- Speed change, braking, normal/reverse, slow start, slowdown—can be operated in various modes
- Divided into 4 variations—induction, reversible, electromagnetic brake and unit
- IP20



Safety standard approved motor

- Support UL, CE and CCC standards
- <Applicable motor> Induction, reversible, 3-phase, electromagnetic brake



C&B motor B-341

- Provided with clutch and brake mechanism
- Suitable for application requiring high-frequency start/stop
- IP20



Sealed connector

- Leadwires are protected against dust, water and mechanical damage
- Motor live parts are enclosed in drip-proof and dust-proof terminal box
- Compact design, earth terminal and sealed connector for easier piping
- IP54

Pinion shaft	Induction motor	(25 to 90 W)
	3-phase motor	(25 to 90 W)
- IP40

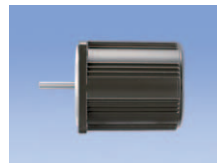
Pinion shaft	Reversible motor	(25 to 90 W)
Round shaft	Induction motor	(25 to 90 W)
	Reversible motor	(25 to 90 W)
	3-phase motor	(25 to 90 W)
- IP20

Round shaft	Induction motor	(25 to 40 W)
	Reversible motor	(25 to 40 W)
	3-phase motor	(25 to 40 W)



Round shaft motor

- Best suitable for machine requiring no speed reduction
- Continuous rating
- Lineup of 2-pole type and 4-pole type
- IP20
- 4-pole motors are described on pages for pinion motor 2-pole motor B-406



Gear head

Gear head

- Typical life expectancy

Ball bearing type	10,000 hours
Metal bearing type	...	2,000 hours
Gear head for C&B motor	5,000 hours



* Described on pages where associated motors are described.

Right-angle gear head B-446

- Motor shaft and gear head output shaft are perpendicular to each other



Decimal gear head B-448

- Reduction ratio 1/10
- Can be placed between standard motor and gear head



High torque gear head B-444

- Permissible shaft torque 29.4 N·m (260 lb-in) (60 W or larger)



Outline of motor family

Options (speed controller, brake unit)

Special (produced to custom order) For details, contact our Help Desk.

Speed controller

Contacting type C-6

MGSD type

- UL-, CE-approved international type
- Wide range of input power voltage
Single-phase 100 V system:
100 to 120 V
Single-phase 200 V system:
200 to 240 V



EX type

- Single-phase 100 V, 200 V
- Soft-start/soft-down and external speed setter



48 mm sq. (1.89 inch sq.) contacting type .. C-21

- 48 x 48 mm (1.89 x 1.89 inch) DIN size
- SD type is provided with analog setter, and EX type is provided with soft-start/soft-down and external speed setter
- Wide range of input power voltage (common to SD and EX type)
Single-phase 100 V system: 100 to 120 V
Single-phase 200 V system: 200 to 240 V



Unit motor B-324 + C-36

- Quick connection of motor and controller
- Simplified operation with volume type control (US)
- Digital display, PC performs various functions (UX)



Inverter C-42

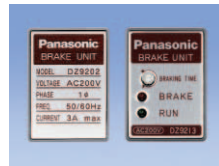
- Speed controller for 3-phase motor
- Inverter control



Brake unit

Contacting type (8-pin) C-47

- Basic type of instant control
- Single-phase 100 V, 200 V
- 3-phase 200 V
- Rectangular



48 mm sq. (1.89 inch sq.) contactless type (11-pin).. C-54

- Single-phase contactless instant control
- For:
Induction motor
Reversible motor
Electromagnetic brake motor
- Single-phase 100 V, 200 V
- 48 x 48 mm (1.89 x 1.89 inch) square DIN type

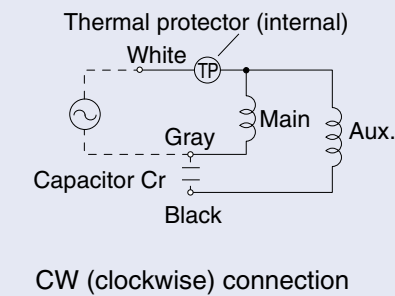


Example: Built-in thermal protector (70 mm sq. (2.76 inch sq.) or larger)

- Thermal protector is internally wired.
- The current is turned off as the temperature of motor winding exceeds the operation temperature of the thermal protector.
- Thermal protector automatically recovers as the motor winding temperature decreases. To prevent unexpected restart of the motor, turn off the motor, check safety, and then turn on the motor.

[Wiring diagram]

• Single-phase motor



• 3-phase motor

