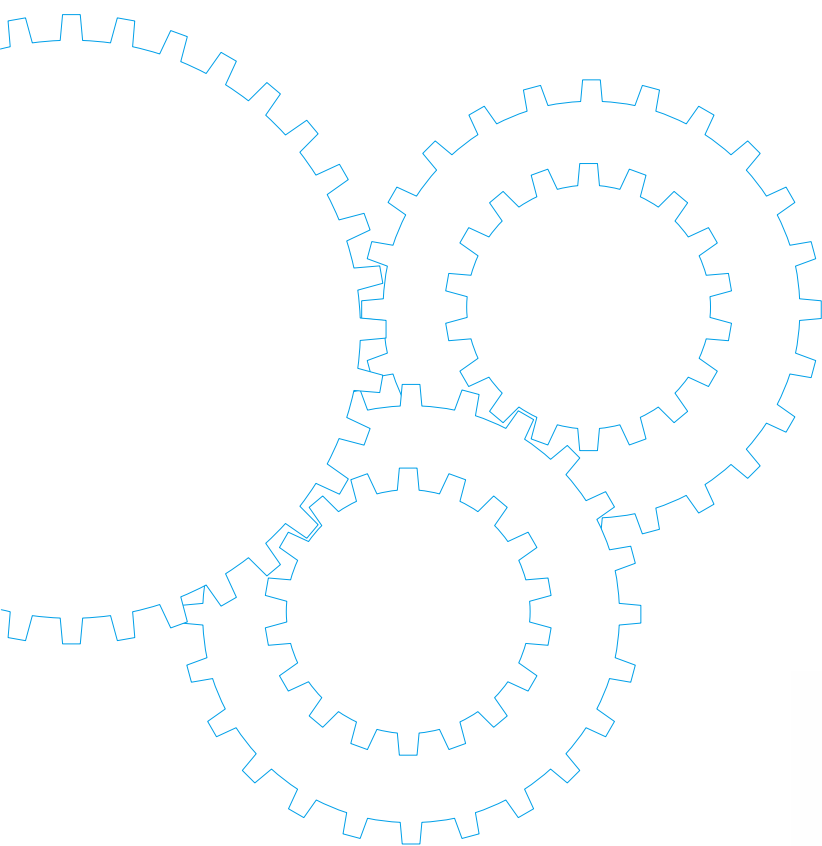


Discontinued

Variable Speed Electromagnetic Brake Single-phase Motor



Contents

• Motor Overview	B-310
• Model list	B-312
• Product information for each model	B-314
• Gear head combination dimensions	B-322

Outline of Variable speed electromagnetic brake single-phase motor

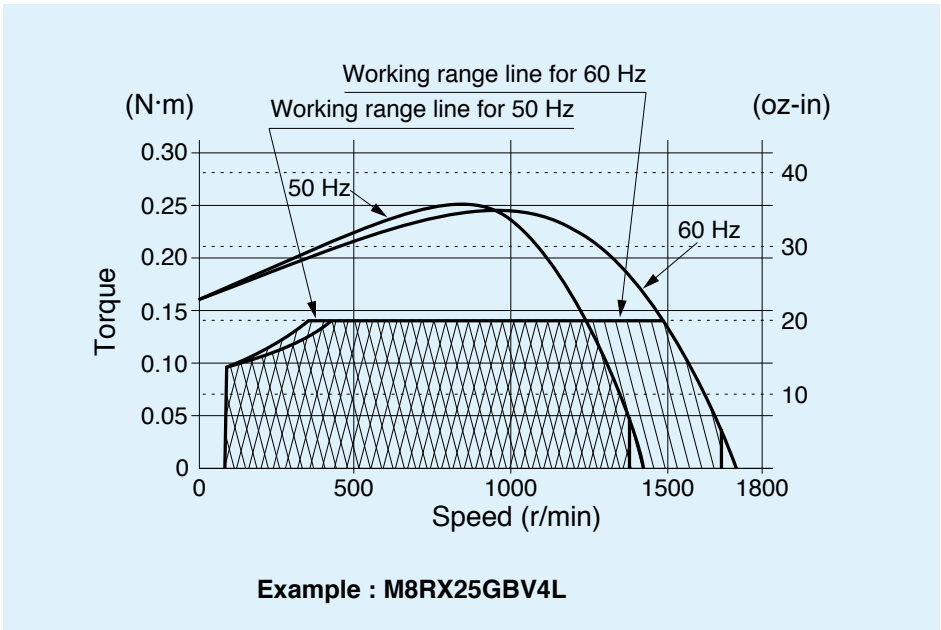
Features

- It is an electromagnetic brake variable speed motor. <Single-phase motor>
 - By using it together with a speed controller, you can vary the speed over a wider range (90 r/min to 1400 r/min for 50 Hz and 90 r/min to 1700 r/min for 60 Hz).
 - Various functions such as variable speed, braking, normal/reverse run and soft-start/soft-down stop are available by using it together with a speed controller.
 - Feedback control with the built-in tacho-generator gives a constant speed despite of frequency change.
 - The motor output is 6 W to 40 W.
- * For the method of using the electromagnetic brake, refer to the electromagnetic brake motor (page B-168).

Working range

- * The working range of the electromagnetic brake variable speed motor is shown in the figure below. (The time rating is 30 minutes.)
- The permissible torque should fall within the shaded portion. If you use the motor with the permissible torque exceeding the working range line (falling within the portion not shaded), the motor may be burned out due to a high temperature rise or the gear tooth may be damaged.

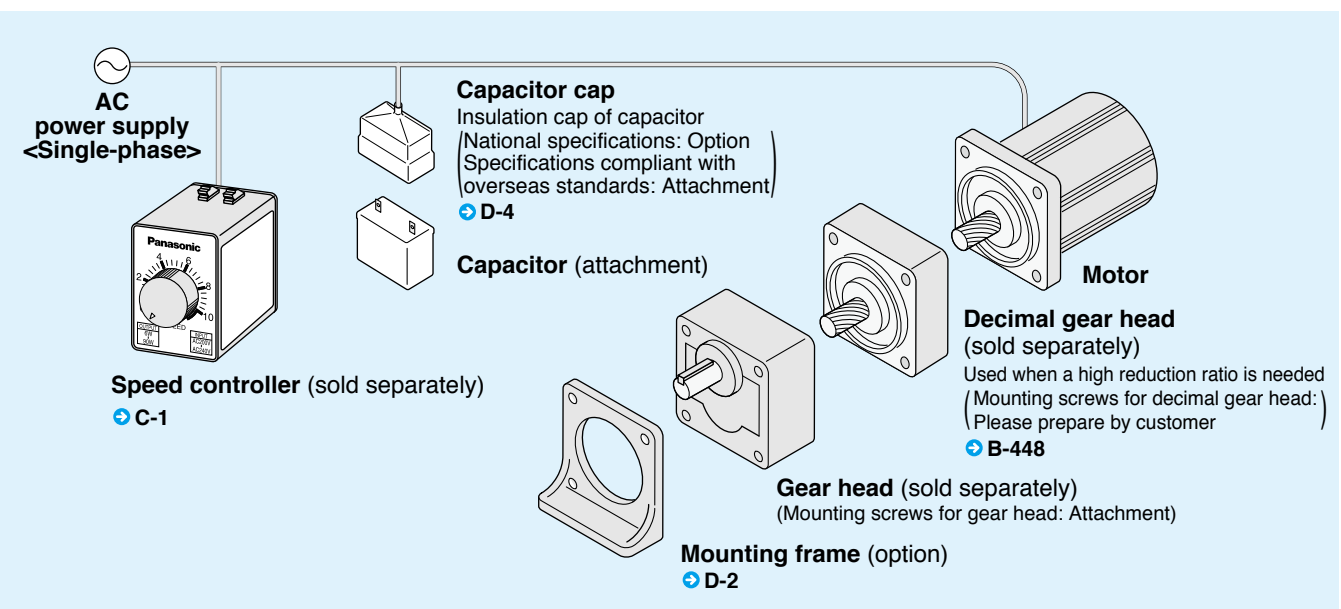
Working range line



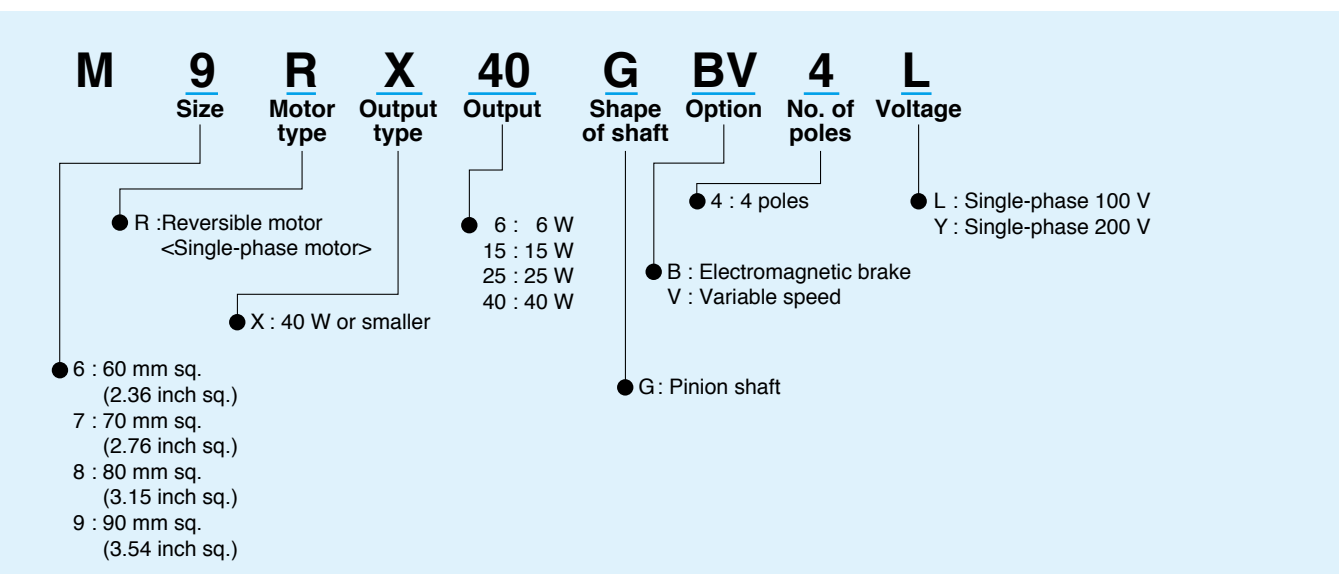
Others

For the principle of operation etc., refer to page B-226.

System configuration diagram



Coding system



Fit tolerance

Fit tolerance symbol is used in the outside dimension diagram of motor and gear head. For further information, see "Fit tolerance" on page A-33.

Model list of
Variable speed electromagnetic brake single-phase motor

Pinion shaft motor

Applicable gear head

Possible combination of speed controller and motor

Size	Output (W)	Leadwire type		
		Model number	Specifications	Page
60 mm sq. (2.36 inch sq.)	6	M6RX6GBV4L	100 V	B-314
		M6RX6GBV4Y	200 V	B-314
70 mm sq. (2.76 inch sq.)	15	M7RX15GBV4L	100 V	B-316
		M7RX15GBV4Y	200 V	B-316
80 mm sq. (3.15 inch sq.)	25	M8RX25GBV4L	100 V	B-318
		M8RX25GBV4Y	200 V	B-318
90 mm sq. (3.54 inch sq.)	40	M9RX40GBV4L	100 V	B-320
		M9RX40GBV4Y	200 V	B-320

Standard gear head		Right-angle shaft type gearhead	Decimal gear head
Ball bearing	Metal bearing		
MX6G□BA MX6G□B	MX6G□MA MX6G□M	—	MX6G10XB
MX7G□BA MX7G□B	MX7G□MA MX7G□M	—	MX7G10XB
MX8G□B	MX8G□M	—	MX8G10XB
MX9G□B	MX9G□M	MX9G□R	MX9G10XB

* Refer to page B-448 for dimensions of decimal gear head.

Size	Output (W)	Motor		Voltage (V)	Speed controller	
		Certified	Part No.		MGSD type	EX type
60 mm sq. (2.36 inch sq.)	6	-----	M6RX6GBV4L	100	MGSDA1	DV1131
		-----	M6RX6GBV4Y	200	MGSDB2	DV1231
70 mm sq. (2.76 inch sq.)	15	-----	M7RX15GBV4L	100	MGSDA1	DV1132
		-----	M7RX15GBV4Y	200	MGSDB2	DV1231
80 mm sq. (3.15 inch sq.)	25	-----	M8RX25GBV4L	100	MGSDA1	DV1132
		-----	M8RX25GBV4Y	200	MGSDB2	DV1234
90 mm sq. (3.54 inch sq.)	40	-----	M9RX40GBV4L	100	MGSDA1	DV1132
		-----	M9RX40GBV4Y	200	MGSDB2	DV1234

* When using a speed controller operative under a wide range of supply voltage (MGSD), the mating motor should be selected according to the voltage of the power supply to be used.

Variable speed electromagnetic brake single-phase motor (leadwire)

60 mm (2.36 inch) sq. 6 W

Specifications

Size	Motor model No.	Number of pole (P)	Output (W)	Voltage (V)	Frequency (Hz)	Rating (min)	Variable speed range	Permissible Torque N·m (oz·in)		Starting current (A)	Starting torque N·m (oz·in)	Brake Input (W)	Brake Current (A)	Brake Friction Torque N·m (oz·in)	Capacitor (μF) (rated voltage)
							Speed (r/min)	at 1200 r/min	at 90 r/min						
60 mm sq.	M6RX6GBV4L	4	6	100	50	30	90 to 1400	0.030 (4.25)	0.030 (4.25)	0.31	0.038 (5.38)	4	0.04	0.049 (6.94)	3 (200 V)
					60		90 to 1700	0.030 (4.25)	0.030 (4.25)	0.31	0.038 (5.38)	4	0.04	0.049 (6.94)	
	M6RX6GBV4Y	4	6	200	50	30	90 to 1400	0.030 (4.25)	0.030 (4.25)	0.16	0.038 (5.38)	4	0.02	0.049 (6.94)	0.8 (400 V)
					60		90 to 1700	0.030 (4.25)	0.030 (4.25)	0.16	0.038 (5.38)	4	0.02	0.049 (6.94)	

For the combination of motor and gearhead, refer to page B-312 of applicable gearheads in the list of models.

Permissible torque at output shaft of gear head

The part number of reduction gear ratio less than 1/25 is MX6G□BA (MA).

Unit of permissible torque: upper (N·m) / lower (lb·in)

Applicable gear head	Reduction Ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180
Bearing	Speed																							
MX6G□BA (ball bearing)	1200 r/min	50 Hz	0.072 (0.64)	0.087 (0.77)	0.12 (1.06)	0.14 (1.24)	0.18 (1.59)	0.21 (1.86)	0.24 (2.12)	0.29 (2.57)	0.36 (3.19)	0.43 (3.81)	0.48 (4.25)	0.60 (5.31)	0.65 (5.75)	0.78 (6.90)	1.09 (9.65)	1.30 (11.5)	1.63 (14.4)	1.98 (17.5)	2.18 (19.3)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)
		60 Hz	0.072 (0.64)	0.087 (0.77)	0.12 (1.06)	0.14 (1.24)	0.18 (1.59)	0.21 (1.86)	0.24 (2.12)	0.29 (2.57)	0.36 (3.19)	0.43 (3.81)	0.48 (4.25)	0.60 (5.31)	0.65 (5.75)	0.78 (6.90)	1.09 (9.65)	1.30 (11.5)	1.63 (14.4)	1.98 (17.5)	2.18 (19.3)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)
	90 r/min		0.072 (0.64)	0.087 (0.77)	0.12 (1.06)	0.14 (1.24)	0.18 (1.59)	0.21 (1.86)	0.24 (2.12)	0.29 (2.57)	0.36 (3.19)	0.43 (3.81)	0.48 (4.25)	0.60 (5.31)	0.65 (5.75)	0.78 (6.90)	1.09 (9.65)	1.30 (11.5)	1.63 (14.4)	1.98 (17.5)	2.18 (19.3)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)
				0.072 (0.64)	0.087 (0.77)	0.12 (1.06)	0.14 (1.24)	0.18 (1.59)	0.21 (1.86)	0.24 (2.12)	0.29 (2.57)	0.36 (3.19)	0.43 (3.81)	0.48 (4.25)	0.60 (5.31)	0.65 (5.75)	0.78 (6.90)	1.09 (9.65)	1.30 (11.5)	1.63 (14.4)	1.98 (17.5)	2.18 (19.3)	2.45 (21.7)	2.45 (21.7)
MX6G□B (ball bearing)																								
MX6G□MA (metal bearing)																								
MX6G□M (metal bearing)																								
Rotational direction			Same as motor rotational direction												Reverse to motor rotational direction									

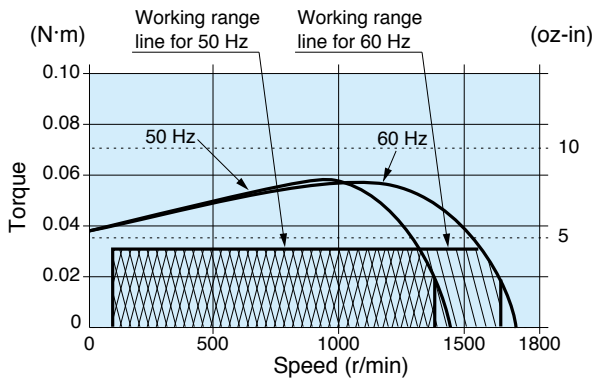
Permissible torque at output shaft of gear head using decimal gear head

For external dimensions of the decimal gear head, refer to page B-448.

Unit of permissible torque: upper (N·m) / lower (lb·in)

Applicable gear head		Reduction Ratio		200	250	300	360	500	600	750	900	1000	1200	1500	1800
Bearing	Decimal gear head														
MX6G□BA (ball bearing)	MX6G10XB	1200 r/min	50 Hz	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)
MX6G□B (ball bearing)			60 Hz	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)
MX6G□MA (metal bearing)		90 r/min	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	
MX6G□M (metal bearing)			2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	2.45 (21.7)	
		Rotational direction		Same as motor rotational direction											
				Reverse to motor rotational direction											

Speed-torque characteristics



Please read your User's manual carefully so that you will understand the operation and safety precautions before attempting to operate the system.

Connection diagram

For the connection diagram showing wiring with the speed controller, refer to pages C-6 to C-20.

Working range line

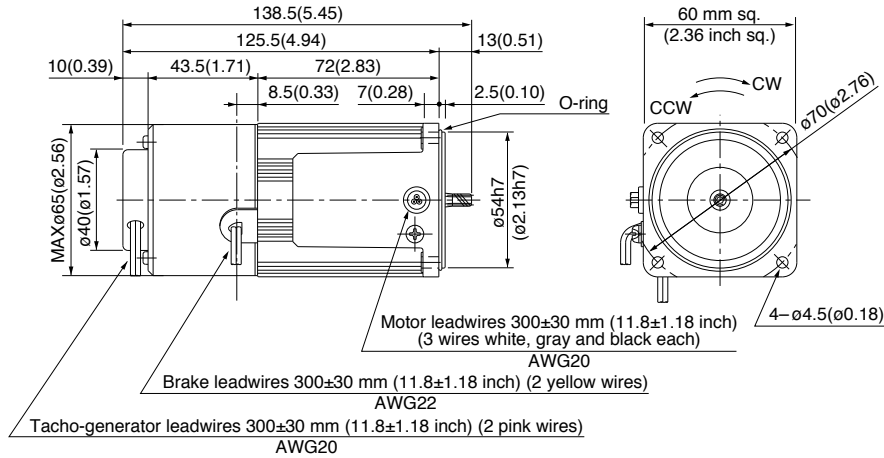
The working range line shows the working limit for the variable speed motor. The permissible torque should fall within the shaded portion. If you use the motor with the permissible torque exceeding the working range line (falling within the portion not shaded), the motor may be burned out due to a high temperature rise or the gear tooth may be damaged.

Motor (dimensions)

Scale: 1/3, Unit: mm (inch)

M6RX6GBV4L	4P	6 W	100 V
M6RX6GBV4Y	4P	6 W	200 V

Mass	Helical gear	Module	Number of teeth
1.1 kg 2.43 lb		0.5	6

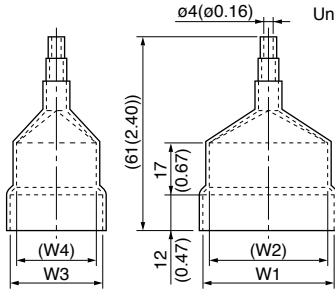
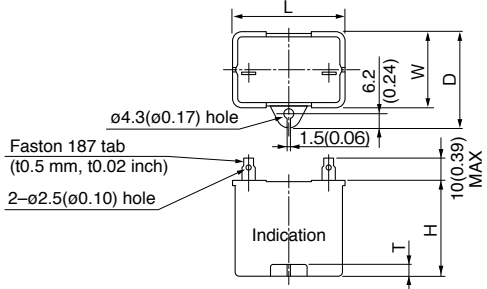


Capacitor (dimensions) [attachment]

Unit: mm (inch)

Capacitor cap (dimensions) [option]

Unit: mm (inch)



Capacitor dimension list

Unit: upper (mm) / lower (inch)

Model number of motor	Model number of capacitor (attachment)	L	W	D	H	T	Capacitor cap (option)	W1	W2	W3	W4
M6RX6GBV4L	M0PC3M20	39.5 (1.56)	16 (0.63)	26.5 (1.04)	30.5 (1.20)	4 (0.16)	M0PC3917	39.5 (1.56)	37.5 (1.48)	17 (0.67)	15 (0.59)
M6RX6GBV4Y	M0PC0.8M40	39.5 (1.56)	16.2 (0.64)	27 (1.06)	27 (1.06)	4 (0.16)	M0PC3917	39.5 (1.56)	37.5 (1.48)	17 (0.67)	15 (0.59)

Capacitors (single item) can also be purchased.

Gear head (dimensions)

Scale: 1/3, Unit: mm (inch)

< □ is 25 or less >

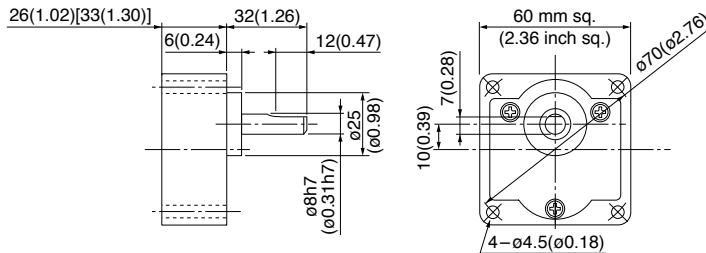
MX6G□BA (ball bearing) Mass 0.24 kg(0.53 lb): Output shaft D cut

MX6G□MA (metal bearing) Mass 0.24 kg(0.53 lb): Output shaft D cut

< □ is 30 or more >

MX6G□B (ball bearing) Mass 0.3 kg(0.66 lb): Output shaft D cut

MX6G□M (metal bearing) Mass 0.3 kg(0.66 lb): Output shaft D cut



Figures in [] represent the dimensions of MX6G□B (M) (1/30 or larger reduction ratio).

(Note) Because the dimensions may be subject to change, also check the determinate dimensions if the gear head is to be used for design.

Gear head combination B-322 Decimal gear head B-448 Gear head -inch (U.S.A.) B-449 Controls C-4 Option D-2

Variable speed electromagnetic brake single-phase motor (leadwire)

80 mm (3.15 inch) sq. 25 W

Specifications

Size	Motor model No.	Number of pole (P)	Output (W)	Voltage (V)	Frequency (Hz)	Rating (min)	Variable speed range	Permissible Torque N·m (oz·in)		Starting current (A)	Starting torque N·m (oz·in)	Brake Input (W)	Brake Current (A)	Brake Friction Torque N·m (oz·in)	Capacitor (μF) (rated voltage)
							Speed (r/min)	at 1200 r/min	at 90 r/min						
80 mm sq.	M8RX25GBV4L	4	25	100	50	30	90 to 1400	0.15 (21.2)	0.088 (12.5)	1.0	0.16 (22.7)	6	0.07	0.10 (14.2)	9.5 (200 V)
					60		90 to 1700	0.15 (21.2)	0.088 (12.5)	1.0	0.16 (22.7)	6	0.07	0.10 (14.2)	
	M8RX25GBV4Y	4	25	200	50	30	90 to 1400	0.15 (21.2)	0.088 (12.5)	0.5	0.16 (22.7)	6	0.03	0.10 (14.2)	2.4 (400 V)
					60		90 to 1700	0.15 (21.2)	0.088 (12.5)	0.5	0.16 (22.7)	6	0.03	0.10 (14.2)	

For the combination of motor and gearhead, refer to page B-312 of applicable gearheads in the list of models.

Permissible torque at output shaft of gear head

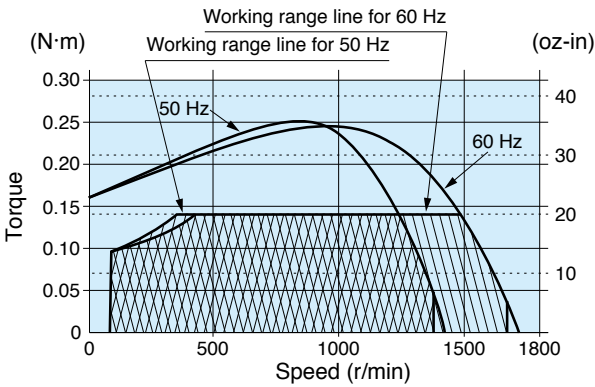
Applicable gear head		Reduction Ratio	Unit of permissible torque: upper (N·m) / lower (lb·in)																						
			Speed		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150
MX8G□B (ball bearing)	1200 r/min	50 Hz	0.34 (3.01)	0.40 (3.54)	0.56 (4.96)	0.68 (6.02)	0.85 (7.52)	1.02 (9.03)	1.13 (10.0)	1.41 (12.5)	1.70 (15.0)	2.04 (18.1)	2.26 (20.0)	2.83 (25.0)	3.06 (27.1)	3.67 (32.5)	5.10 (45.1)	6.12 (54.2)	7.65 (67.7)	7.84 (69.4)	7.84 (69.4)	7.84 (69.4)	7.84 (69.4)	7.84 (69.4)	7.84 (69.4)
		60 Hz	0.34 (3.01)	0.40 (3.54)	0.56 (4.96)	0.68 (6.02)	0.85 (7.52)	1.02 (9.03)	1.13 (10.0)	1.41 (12.5)	1.70 (15.0)	2.04 (8.1)	2.26 (20.0)	2.83 (25.0)	3.06 (27.1)	3.67 (32.5)	5.10 (45.1)	6.12 (54.2)	7.65 (67.7)	7.84 (69.4)	7.84 (69.4)	7.84 (69.4)	7.84 (69.4)	7.84 (69.4)	7.84 (69.4)
	90 r/min		0.21 (1.86)	0.25 (2.12)	0.35 (3.10)	0.42 (3.72)	0.53 (4.69)	0.64 (5.66)	0.71 (6.28)	0.89 (7.88)	1.06 (9.38)	1.28 (11.3)	1.42 (12.6)	1.78 (15.8)	2.13 (18.8)	2.56 (22.7)	3.56 (31.5)	4.27 (37.8)	5.34 (47.3)	6.41 (56.7)	7.12 (63.0)	7.84 (69.4)	7.84 (69.4)	7.84 (69.4)	
		Rotational direction	Same as motor rotational direction												Reverse to motor rotational direction										

Permissible torque at output shaft of gear head using decimal gear head

For external dimensions of the decimal gear head, refer to page B-448.

Applicable gear head		Reduction Ratio	Unit of permissible torque: upper (N·m) / lower (lb·in)											
			200	250	300	360	500	600	750	900	1000	1200	1500	1800
MX8G□B (ball bearing)	MX8G□M (metal bearing)	Speed												
		1200 r/min												

Speed-torque characteristics



Please read your User's manual carefully so that you will understand the operation and safety precautions before attempting to operate the system.

Connection diagram

For the connection diagram showing wiring with the speed controller, refer to pages C-6 to C-20.

Working range line

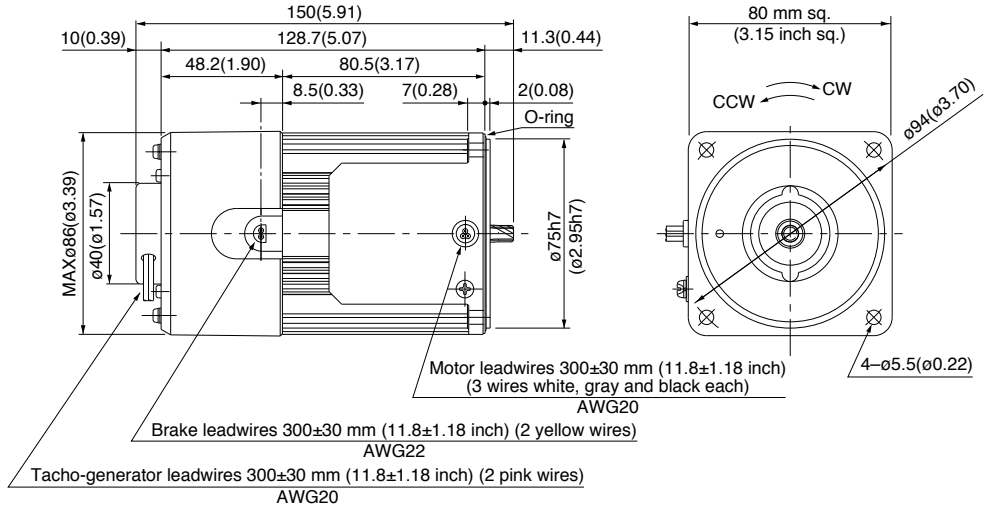
The working range line shows the working limit for the variable speed motor. The permissible torque should fall within the shaded portion. If you use the motor with the permissible torque exceeding the working range line (falling within the portion not shaded), the motor may be burned out due to a high temperature rise or the gear tooth may be damaged.

Motor (dimensions)

M8RX25GBV4L	4P 25 W 100 V
M8RX25GBV4Y	4P 25 W 200 V

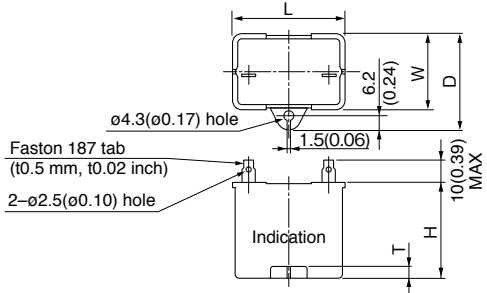
Scale: 1/3, Unit: mm (inch)

Mass	Helical gear	Module	Number of teeth
2.2 kg (4.85 lb)		0.5	9



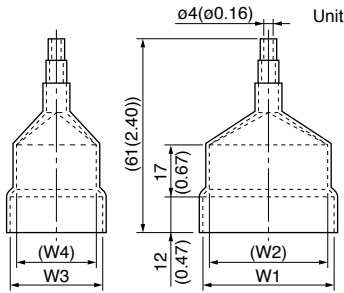
Capacitor (dimensions) [attachment]

Unit: mm (inch)



Capacitor cap (dimensions) [option]

Unit: mm (inch)



Capacitor dimension list Unit: upper (mm) / lower (inch)

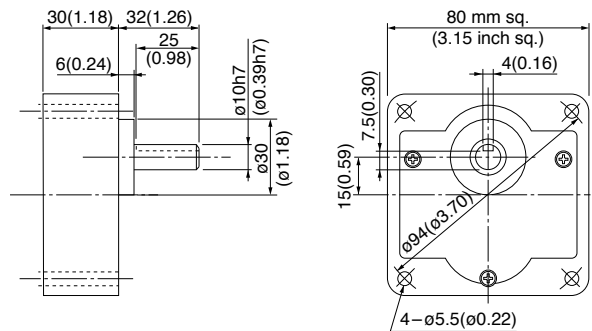
Model number of motor	Model number of capacitor (attachment)	L	W	D	H	T	Capacitor cap (option)	W1	W2	W3	W4
M8RX25GBV4L	M0PC9.5M20	39.5 (1.56)	22 (0.87)	32.5 (1.28)	30.5 (1.20)	4 (0.16)	M0PC3922	39.5 (1.56)	37.5 (1.48)	22 (0.87)	20 (0.79)
M8RX25GBV4Y	M0PC2.4M40	49.7 (1.96)	24 (0.94)	34.5 (1.36)	34.5 (1.36)	4 (0.16)	M0PC5026	50 (1.97)	48 (1.89)	26 (1.02)	22 (0.87)

Capacitors (single item) can also be purchased.

Gear head (dimensions)

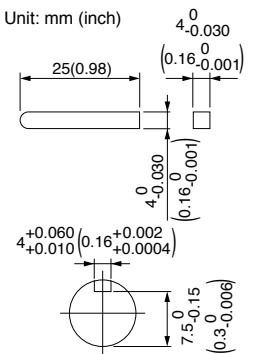
Scale: 1/3, Unit: mm (inch)

MX8G□B (ball bearing) Mass 0.6 kg(1.32 lb)	MX8G□M (metal bearing) Mass 0.6 kg(1.32 lb)
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Key and keyway (dimensions) [attachment]

MX8G□B(M)



(Note) Because the dimensions may be subject to change, also check the determinate dimensions if the gear head is to be used for design.

Gear head combination B-322	Decimal gear head B-448	Gear head -inch (U.S.A.) B-449	Controls C-4	Option D-2
-----------------------------	-------------------------	--------------------------------	--------------	------------

Variable speed electromagnetic brake single-phase motor (leadwire)

90 mm (3.54 inch) sq. 40 W

Specifications

Size	Motor model No.	Number of pole (P)	Output (W)	Voltage (V)	Frequency (Hz)	Rating (min)	Variable speed range	Permissible Torque N·m (oz·in)		Starting current (A)	Starting torque N·m (oz·in)	Brake Input (W)	Brake Current (A)	Brake Friction Torque N·m (oz·in)	Capacitor (μF) (rated voltage)
								at 1200 r/min	at 90 r/min						
90 mm sq.	M9RX40GBV4L	4	40	100	50	30	90 to 1400	0.30 (42.5)	0.098 (13.9)	1.60	0.25 (35.4)	9	0.10	0.20 (28.3)	15 (210 V)
					60		90 to 1700	0.24 (34.0)	0.098 (13.9)	1.60	0.25 (35.4)	9	0.10	0.20 (28.3)	
	M9RX40GBV4Y	4	40	200	50	30	90 to 1400	0.30 (42.5)	0.098 (13.9)	0.80	0.25 (35.4)	9	0.05	0.20 (28.3)	3.8 (400 V)
					60		90 to 1700	0.24 (34.0)	0.098 (13.9)	0.76	0.25 (35.4)	9	0.05	0.20 (28.3)	

For the combination of motor and gearhead, refer to page B-312 of applicable gearheads in the list of models.

Permissible torque at output shaft of gear head

Unit of permissible torque: upper (N·m) / lower (lb·in)																								
Applicable gear head	Reduction Ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180
Bearing	Speed																							
MX9G□B (ball bearing)	1200 r/min	50 Hz	0.66 (5.84)	0.84 (7.43)	1.08 (9.56)	1.38 (12.2)	1.57 (13.9)	2.00 (17.7)	2.25 (19.9)	2.74 (24.3)	3.23 (28.6)	4.13 (36.6)	4.41 (39.0)	5.29 (46.8)	6.37 (56.4)	8.15 (72.1)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)
		60 Hz	0.51 (4.51)	0.66 (5.84)	0.84 (7.43)	1.08 (9.56)	1.22 (10.8)	1.57 (13.9)	1.76 (15.6)	2.14 (18.9)	2.74 (24.3)	3.23 (28.6)	3.53 (31.2)	4.13 (36.6)	5.29 (46.8)	6.37 (56.4)	8.80 (77.9)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)
	90 r/min		0.23 (2.04)	0.28 (2.48)	0.39 (3.45)	0.47 (4.16)	0.59 (5.22)	0.71 (6.28)	0.79 (6.99)	0.99 (8.76)	1.19 (10.5)	1.42 (12.6)	1.58 (14.0)	1.98 (17.5)	2.38 (21.1)	2.85 (25.2)	3.96 (35.0)	4.76 (42.1)	5.95 (52.7)	7.14 (61.2)	7.93 (70.2)	9.52 (84.2)	9.80 (86.7)	9.80 (86.7)
		Rotational direction	Same as motor rotational direction														Reverse to motor rotational direction							

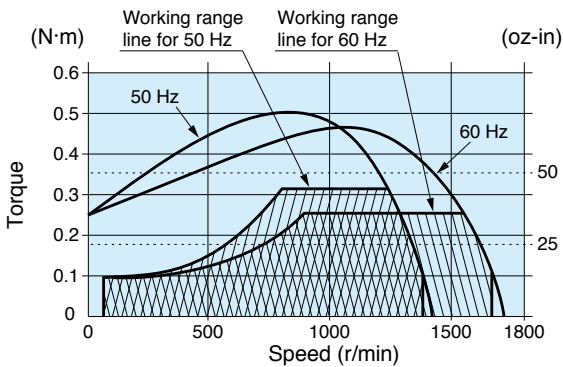
Permissible torque at output shaft of gear head using decimal gear head

For external dimensions of the decimal gear head, refer to page B-448.

Applicable gear head		Reduction Ratio Speed		200	250	300	360	500	600	750	900	1000	1200	1500	1800
Bearing	Decimal gear head														
MX9G□B (ball bearing)	MX9G10XB	1200 r/min	50 Hz	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)
			60 Hz	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	
		90 r/min		9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	9.80 (86.7)	
		Rotational direction		Same as motor rotational direction		Reverse to motor rotational direction									

Refer to page B-446 for the allowable shaft torque of the right-angle shaft type gearhead.

Speed-torque characteristics



Please read your User's manual carefully so that you will understand the operation and safety precautions before attempting to operate the system.

Connection diagram

For the connection diagram showing wiring with the speed controller, refer to pages C-6 to C-20.

Working range line

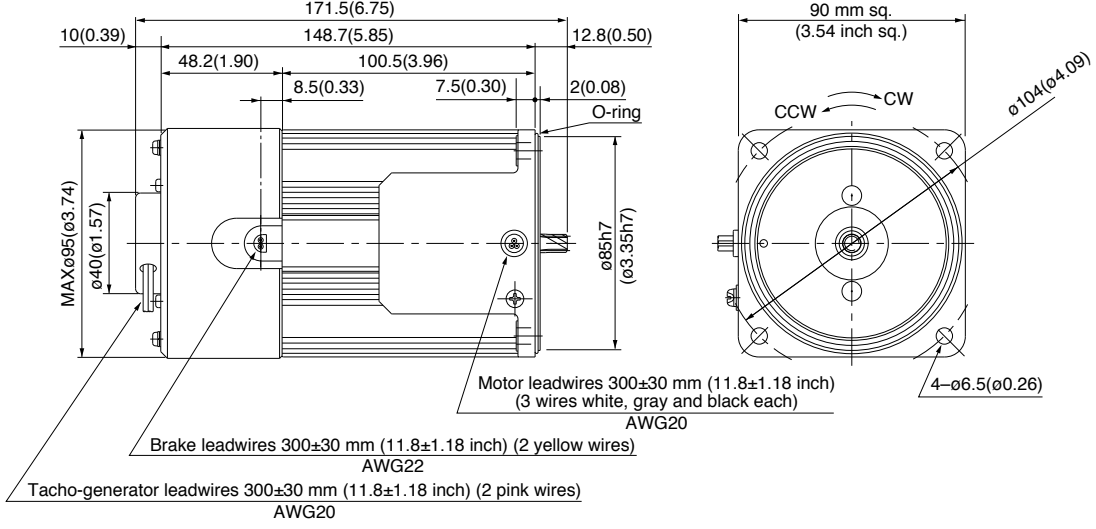
The working range line shows the working limit for the variable speed motor. The permissible torque should fall within the shaded portion. If you use the motor with the permissible torque exceeding the working range line (falling within the portion not shaded), the motor may be burned out due to a high temperature rise or the gear tooth may be damaged.

Motor (dimensions)

Scale: 1/3, Unit: mm (inch)

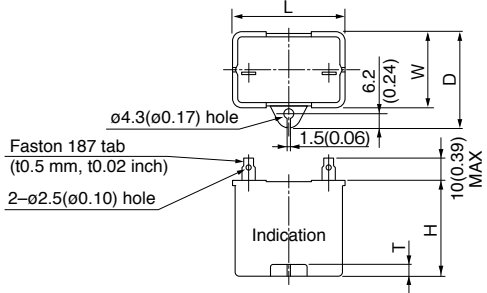
M9RX40GBV4L 4P 40 W 100 V
M9RX40GBV4Y 4P 40 W 200 V

Mass 3.2 kg (7.05 lb)
Helical gear
Module 0.55
Number of teeth 9



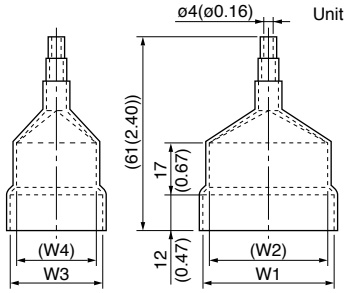
Capacitor (dimensions) [attachment]

Unit: mm (inch)



Capacitor cap (dimensions) [option]

Unit: mm (inch)



Capacitor dimension list Unit: upper (mm) / lower (inch)

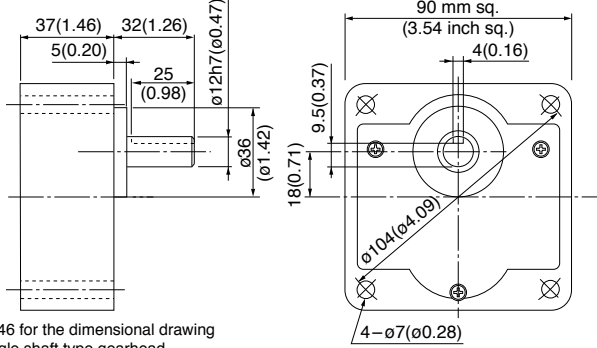
Model number of motor	Model number of capacitor (attachment)	L	W	D	H	T	Capacitor cap (option)	W1	W2	W3	W4
M9RX40GBV4L	M0PC15M20	39.5 (1.56)	26.7 (1.05)	37 (1.46)	41 (1.61)	4 (0.16)	M0PC3926	39.5 (1.56)	37.5 (1.48)	26 (1.02)	25 (0.98)
M9RX40GBV4Y	M0PC3.8M40	50 (1.97)	26.7 (1.05)	37.5 (1.48)	38 (1.50)	4 (0.16)	M0PC5026	50 (1.97)	48 (1.89)	26 (1.02)	22 (0.87)

Capacitors (single item) can also be purchased.

Gear head (dimensions)

Scale: 1/3, Unit: mm (inch)

MX9G□B (ball bearing) Mass 0.8 kg (1.76 lb)
MX9G□M (metal bearing) Mass 0.8 kg (1.76 lb)



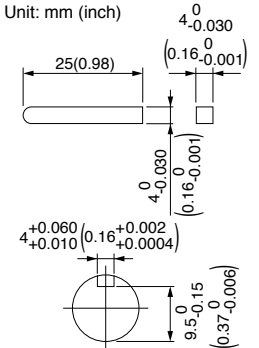
See page B-446 for the dimensional drawing of the right-angle shaft type gearhead.

(Note) Because the dimensions may be subject to change, also check the determinate dimensions if the gear head is to be used for design.

Gear head combination B-322
Decimal gear head B-448
Gear head -inch (U.S.A.) B-449
Controls C-4
Option D-2

Key and keyway (dimensions) [attachment]

MX9G□B(M)



Variable speed electromagnetic brake single-phase motor (leadwire)

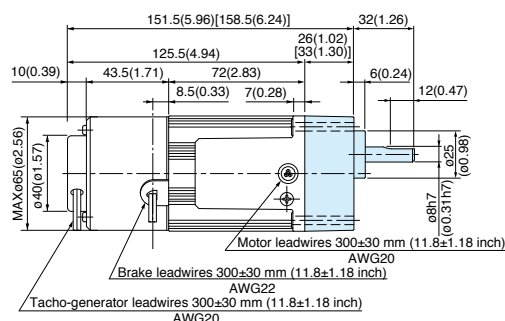
Gear head combination dimensions

Scale: 1/4, Unit: mm (inch)

* Gear head is sold separately.

60 mm sq. (2.36 inch sq.) 6 W

M6RX6GBV4L + MX6G□BA(MA) / MX6G□B(M)
M6RX6GBV4Y + MX6G□BA(MA) / MX6G□B(M)

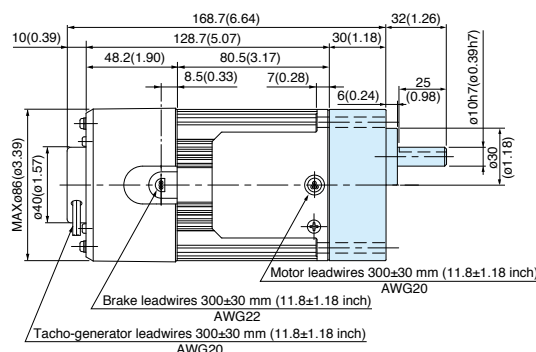


* Figures in [] represent the dimensions of MX6G□B (M)
(1/30 or larger reduction ratio).

The model number of the gear head with
a reduction ratio of 1/25 or smaller is MX6G□BA (MA).

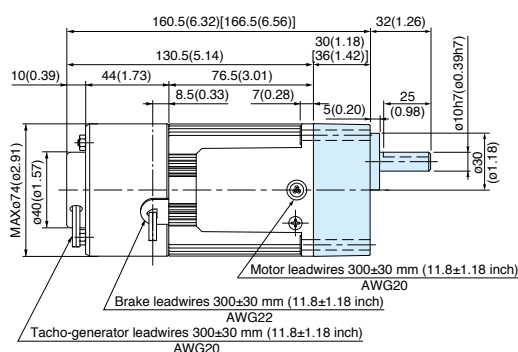
80 mm sq. (3.15 inch sq.) 25 W

M8RX25GBV4L + MX8G□B(M)
M8RX25GBV4Y + MX8G□B(M)



70 mm sq. (2.76 inch sq.) 15 W

M7RX15GBV4L + MX7G□BA(MA) / MX7G□B(M)
M7RX15GBV4Y + MX7G□BA(MA) / MX7G□B(M)

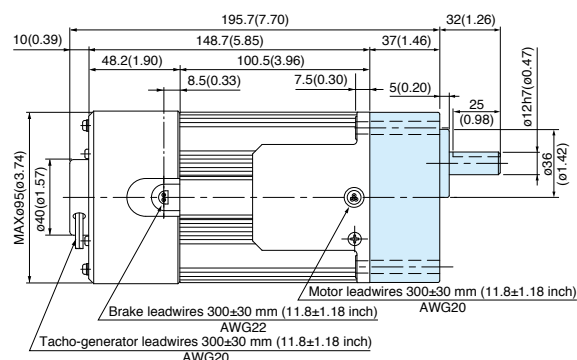


* Figures in [] represent the dimensions of MX7G□B (M)
(1/30 or larger reduction ratio).

The model number of the gear head with
a reduction ratio of 1/25 or smaller is MX7G□BA (MA).

90 mm sq. (3.54 inch sq.) 40 W

M9RX40GBV4L + MX9G□B(M)
M9RX40GBV4Y + MX9G□B(M)



* Please read your User's manual carefully so that you will understand the operation and safety precautions before attempting to operate the system.

Features B-310

System configuration B-311

Coding system B-311

Model list B-312