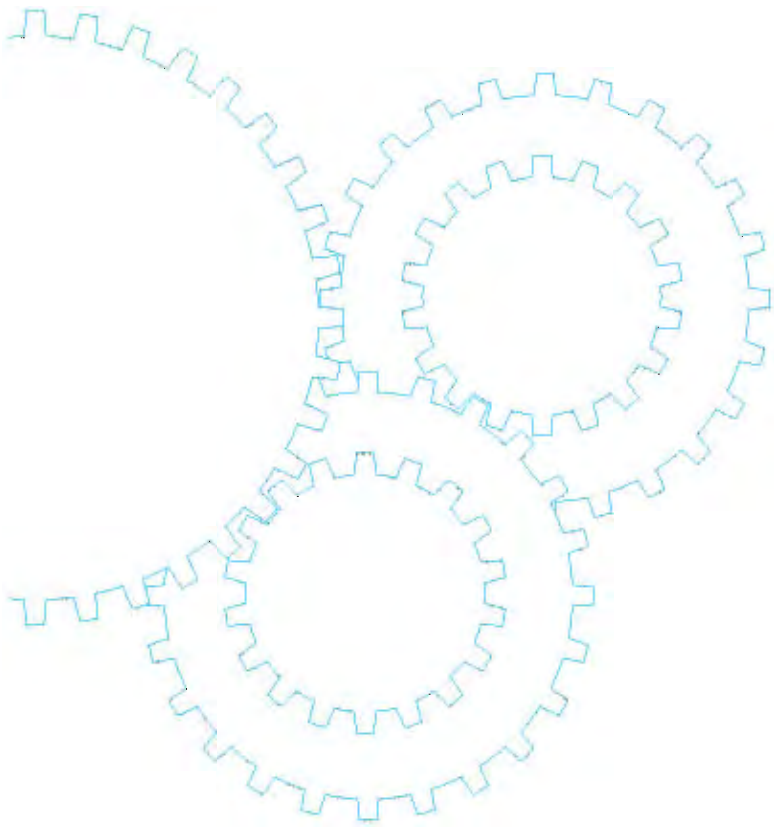


Gear Head Inch - USA



Outline of Gear head -inch (U.S.A.)

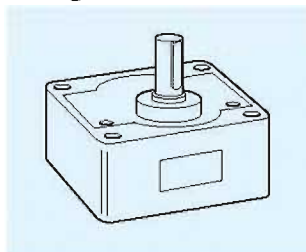
Features

- These gear heads are designed according to “inch” system.
- All bearings are ball bearing.
- 22 reduction ratios from 1/3 to 1/180 are available for the X type; 23 reduction ratios from 1/3 to 1/200 are available for the Z types.
When the decimal gear head (reduction ratio: 1/10) is used, a reduction ratio of up to 1/1800 (1/2000 for the Y and Z types) can be attained.

Gear type

- X : 40 W or smaller / Hinge not attached
- Z : 60 W or larger / Hinge not attached

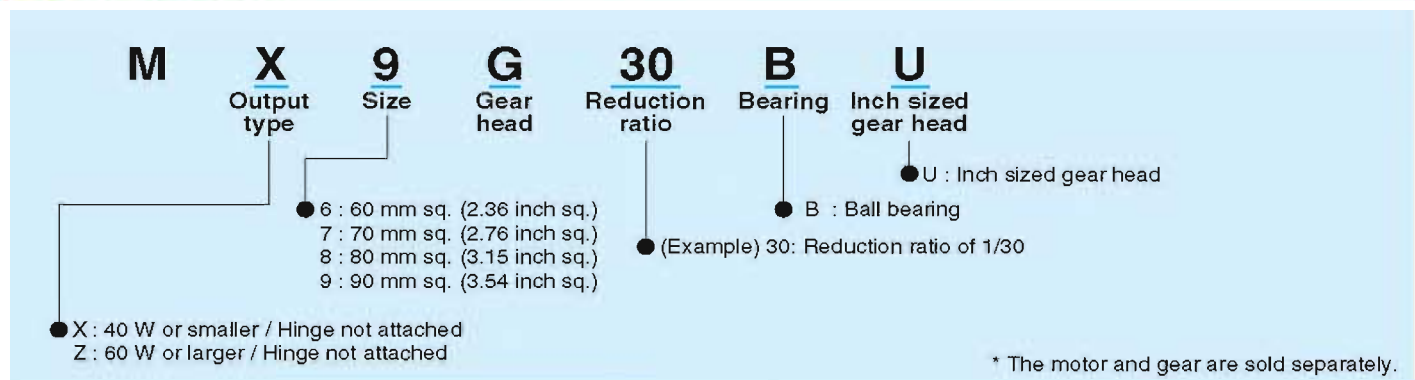
• Hinge not attached



• Gear type and reduction ratio list

Gear type	Motor capacity	Hinge	Reduction ratio																						
			1/3	1/3.6	1/5	1/6	1/7.5	1/9	1/10	1/12.6	1/15	1/18	1/20	1/25	1/30	1/36	1/50	1/60	1/75	1/90	1/100	1/120	1/150	1/180	1/200
X	40 W or smaller	Not attached	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	-
Z	60W, 90W	Not attached	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

Coding system



* For details of gear head, refer to B-432~.

• Type of gear head -inch (U.S.A.)

* Shown in □ is a gear ratio.

Model No.	Dimensions Scale: 1/4, Unit: inch (mm)	Gear fixing screw Unit: inch (mm)
<p>MX6G□BU</p>	<p>Mass 0.24 kg (0.53 lb) [0.3 kg (0.66 lb)]</p> <p>Note: The value in "□" is for gear ratio of 1/30 or larger.</p>	<ul style="list-style-type: none"> • Screw: M4 x 50 Cross recessed head screw 4 • Flat washer for M4 4 • Hexagon nut: M4 4
<p>MX7G□BU</p>	<p>Mass 0.38 kg (0.84 lb) [0.45 kg (0.99 lb)]</p> <p>Note: The value in "□" is for gear ratio of 1/30 or larger.</p>	<ul style="list-style-type: none"> • Screw: M5 x 55 Cross recessed head screw 4 • Flat washer for M5 4 • Hexagon nut: M5 4
<p>MX8G□BU</p>	<p>Mass 0.6 kg (1.32 lb)</p>	<ul style="list-style-type: none"> • Screw: M5 x 55 Cross recessed head screw 4 • Flat washer for M5 4 • Hexagon nut: M5 4
<p>MX9G□BU</p>	<p>Mass 0.8 kg (1.76 lb)</p>	<ul style="list-style-type: none"> • Screw: M6 x 65 Cross recessed head screw 4 • Flat washer for M6 4 • Hexagon nut: M6 4
<p>MZ9G□BU</p>	<p>Mass 1.4 kg (3.09 lb)</p>	<ul style="list-style-type: none"> • Screw: M6 x 85 hexagon socket head bolt 4 • Flat washer for M6 4 • Hexagon nut: M6 4 • Key: one-end round 1

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

- Induction motor
- Reversible motor
- 3-phase motor
- Electromagnetic brake motor
- Variable speed induction motor
- Variable speed reversible motor
- Variable speed electromagnetic brake single-phase motor
- Variable speed unit motor
- 2-pole round shaft motor
- Gear head
- Gear head -inch (U.S.A.)

• Type of gear head -inch (U.S.A.)

* Shown in □ is a gear ratio.

Model No.	Dimensions	Scale: 1/4, Unit: inch (mm)	Gear fixing screw	Unit: inch (mm)
MX6G□BU	<p>Mass 0.24 kg (0.53 lb) [0.3 kg (0.66 lb)]</p>		<ul style="list-style-type: none"> Screw: M4 x 50 Cross recessed head screw 4 Flat washer for M4 4 Hexagon nut: M4..... 4 	
MX7G□BU	<p>Mass 0.38 kg (0.84 lb) [0.45 kg (0.99 lb)]</p>		<ul style="list-style-type: none"> Screw: M5 x 55 Cross recessed head screw 4 Flat washer for M5 4 Hexagon nut: M5..... 4 	
MX8G□BU	<p>Mass 0.6 kg (1.32 lb)</p>		<ul style="list-style-type: none"> Screw: M5 x 55 Cross recessed head screw 4 Flat washer for M5 4 Hexagon nut: M5..... 4 	
MX9G□BU	<p>Mass 0.8 kg (1.76 lb)</p>		<ul style="list-style-type: none"> Screw: M6 x 65 Cross recessed head screw 4 Flat washer for M6 4 Hexagon nut: M6..... 4 	
MZ9G□BU	<p>Mass 1.4 kg (3.09 lb)</p>		<ul style="list-style-type: none"> Screw: M6 x 85 hexagon socket head bolt 4 Flat washer for M6 4 Hexagon nut: M6..... 4 Key: one-end round..... 1 	

Note: The value in "□" is for gear ratio of 1/30 or larger.

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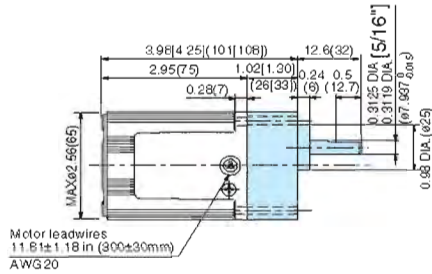
- Induction motor
- Reversible motor
- 3-phase motor
- Electromagnetic brake motor
- Variable speed induction motor
- Variable speed reversible motor
- Variable speed electromagnetic brake single-phase motor
- Variable speed unit motor
- 2-pole round shaft motor
- Gear head
- Gear head -inch (U.S.A.)

(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 dimensions

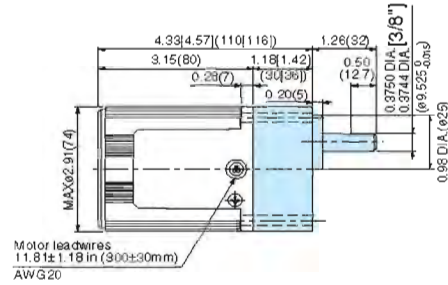
Induction/ Reversible/ 3-phase motor (leadwire)

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



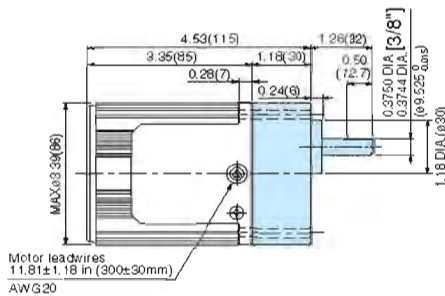
Note: The value in "[]" is for gear ratio of 1/30 or larger.

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

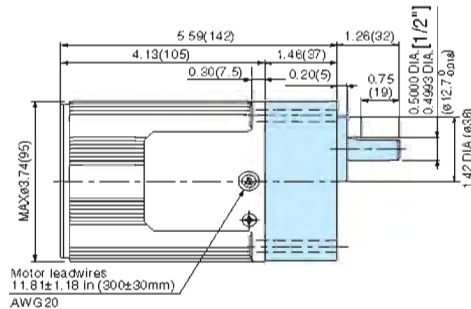


Note: The value in "[]" is for gear ratio of 1/30 or larger.

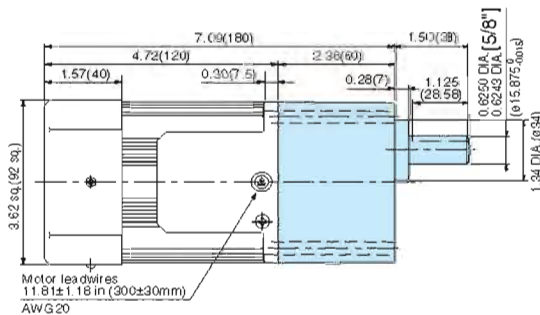
80 mm sq. (3.15 inch sq.) 25 W



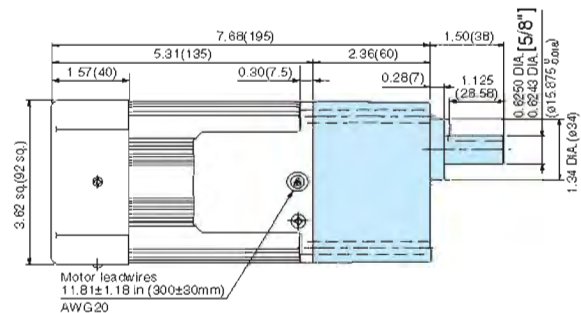
90 mm sq. (3.54 inch sq.) 40 W



90 mm sq. (3.54 inch sq.) 60 W



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



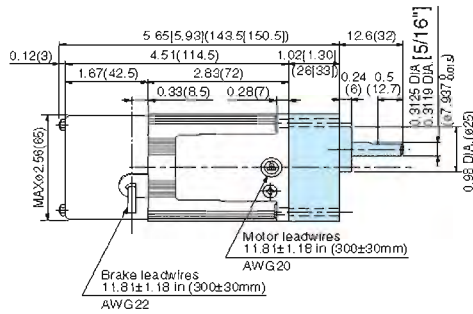
* Three-phase motor of 60 mm or 70 mm sq. is not available.

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

Gear head combination dimensions

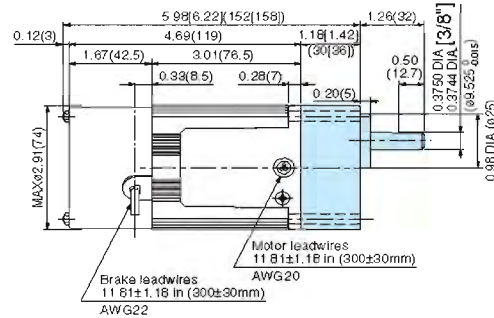
Electromagnetic brake motor (leadwire)

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



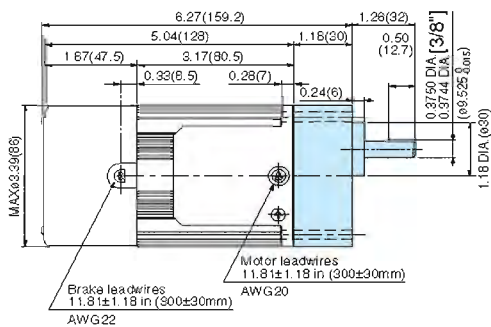
Note: The value in "[]" is for gear ratio of 1/30 or larger.

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

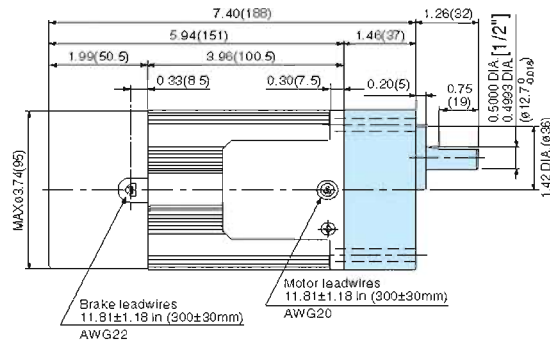


Note: The value in "[]" is for gear ratio of 1/30 or larger.

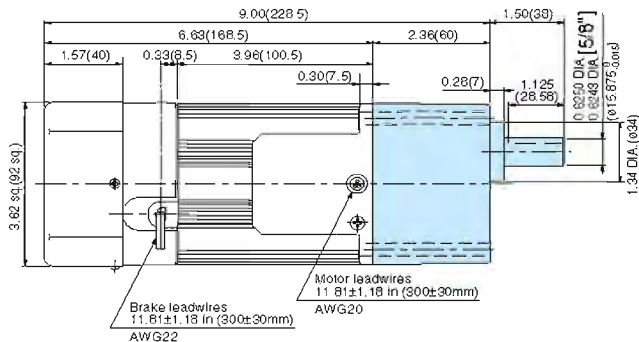
80 mm sq. (3.15 inch sq.) 25 W



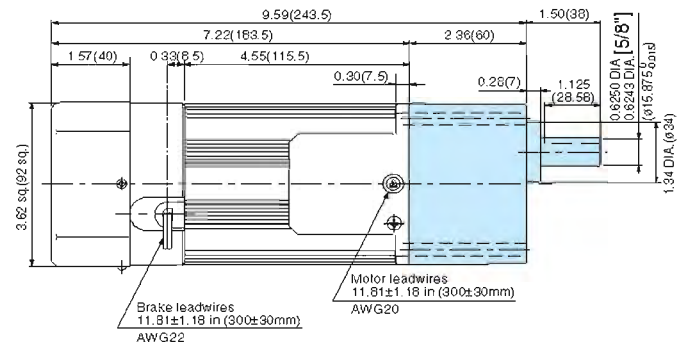
90 mm sq. (3.54 inch sq.) 40 W



90 mm sq. (3.54 inch sq.) 60 W



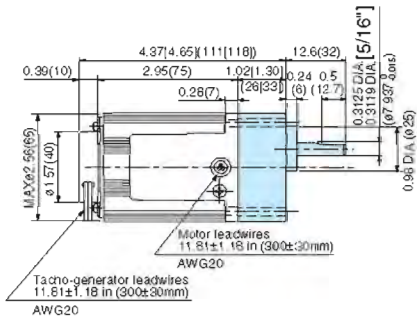
90 mm sq. (3.54 inch sq.) 90 W



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

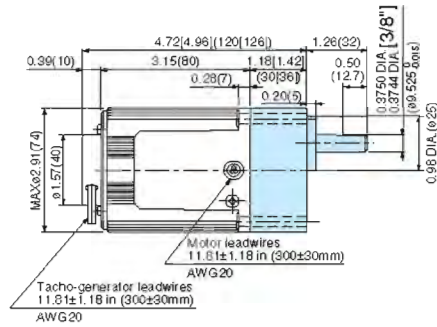
Variable speed induction/ reversible motor (leadwire)

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



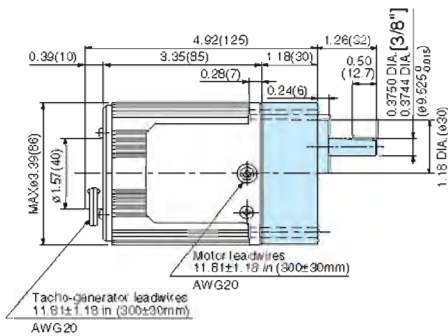
Note: The value in "[]" is for gear ratio of 1/30 or larger.

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

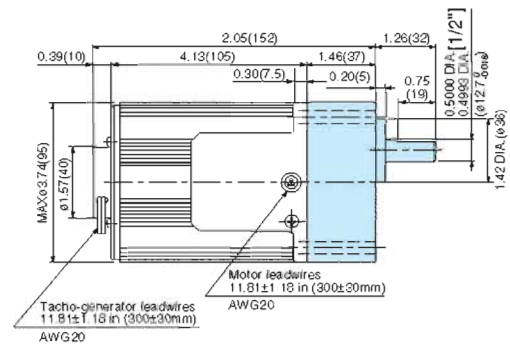


Note: The value in "[]" is for gear ratio of 1/30 or larger.

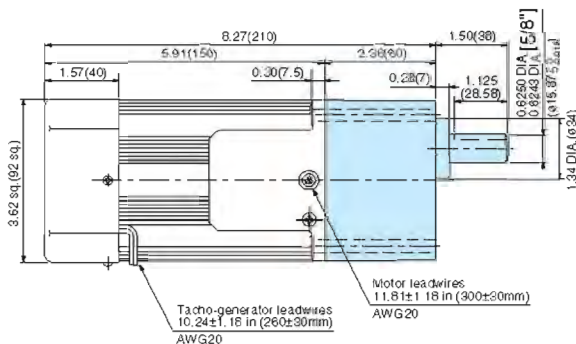
80 mm sq. (3.15 inch sq.) 25 W



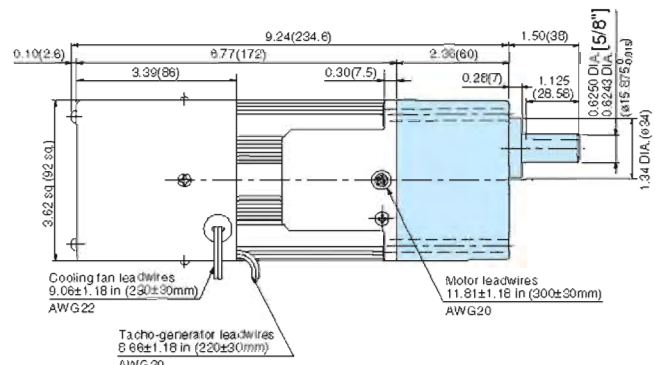
90 mm sq. (3.54 inch sq.) 40 W



90 mm sq. (3.54 inch sq.) 60 W



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



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

- Induction motor
- Reversible motor
- 3-phase motor
- Electromagnetic brake motor
- Variable speed induction motor
- Variable speed reversible motor
- Variable speed electromagnetic brake single-phase motor
- Variable speed unit motor
- C&B motor
- 2-pole round shaft motor
- Gear head
- Gear head -inch (U.S.A.)



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