



7000 Series Gearbox

Medium Duty - Most Versatile



Gearbox Specifications

The 7000 Series "Square" features several available casting covers with a variety of industry standard mounting options to fit any application. Able to handle a continuous torque rating up to 75 in-lb. Output shaft diameters range from 1/4" through 3/8" with dual outputs, flats, keyways, threads, or square ends. Other options: multiple gearing materials, needle or ball bearings, and custom wiring harnesses.



Applications: Foodservice Equipment, Agriculture, Industrial Machinery, Sporting Goods, Gaming and Amusement, and Pharmaceutical/Healthcare

Features:

- Zinc die-cast housing
- Various industry standard mounting options
- Permanently lubricated with synthetic gear grease
- AC Motor - Pawl or cone brake options
- Noise-reducing phenolic high-speed gearing



7000 DC GEARMOTOR

Information and Specifications

Compatible DC Motor Options



DC Model	315	615	12Y & 18Y	28Y	Brushless
Voltage	12 / 24V	12 / 24V	12 / 24V	12 / 24V	24V
Speed	2900-5740 RPM	1450-5745 RPM	2685-5570 RPM	2538-5615 RPM	4172 RPM
Torque	0.5-1.1 oz-in.	1.4-2.5 oz-in.	1.0 - 1.8 oz-in.	2.6-4.0 oz-in.	10.0 oz-in.
Power	—	—	1.5 - 10.1 W	4.8-16.3W	30.8W
Frame Size	28mm	36mm	32mm	40mm	42mm
Reversible	Yes	Yes	Yes	Yes	Yes
Motor Life*	1000+ Hours	1000+ Hours	3000+ Hours	3000+ Hours	20000+ Hours

*Estimated life - brush life dependent on duty cycle, application, and environment.

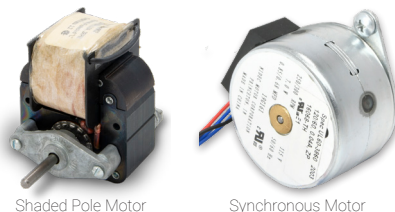
DC Gearmotor Performance Specifications

DC Motor	Voltage	Rated Torque	Rated Speed	Rotation	Shaft Size
315, 12Y, & 18Y	12 / 24V	0.5 - 73 in-lbs.	4 - 200 RPM	Reversible	1/4" to 3/8"
615 - Medium Frame	12 / 24V	3 - 75 in-lbs.	4 - 200 RPM	Reversible	1/4" to 3/8"
28Y - Medium Frame	12 / 24V	4 - 75 in-lbs.	4 - 150 RPM	Reversible	1/4" to 3/8"

7000 AC GEARMOTOR

Information & Specifications

Compatible AC Motor Options



AC Motor	Shaded Pole	Synchronous
Voltage	24 - 480 V	120/230/240 V
Frequency	50 / 60 Hz	50 / 60 Hz
Rated Speed	3000 RPM	250 / 300 RPM
Rated Torque	Up to 11 in-oz	8.5 oz-in.
Rotation	Uni-directional	Reversible

Shaded Pole AC Gearmotor Performance Specifications

Core Stack Size	Voltage	Rated Torque	Rated Speed	Rotation	Shaft Size
0.625"	120 - 240 VAC	0.7 - 48 in-lbs.	1 - 200 RPM	Uni-directional	1/4", 5/16, or 3/8"
0.75"	120 - 240 VAC	1.0 - 75 in-lbs.	1 - 200 RPM	Uni-directional	1/4", 5/16, or 3/8"
1.0625"	120 - 240 VAC	1.4 - 75 in-lbs.	1 - 200 RPM	Uni-directional	1/4", 5/16, or 3/8"
2.00"	120 - 240 VAC	2.1 - 75 in-lbs.	1 - 200 RPM	Uni-directional	1/4", 5/16, or 3/8"



Outline Drawings

DC and AC Motor Outline Drawings



DC Gearmotor Drawing

2.75 REF.
1.38 REF.
3.00 REF.
.90 REF.
1.19
2.38
2.50
.65

MOUNTING HOLES (4)

"Y"
TO END OF MOTOR
SHAFT EXTENSION
SHAFT EXTENSION
Ø .69 REF.
.24 REF.
Ø .75 REF.
.09 REF.
Ø "X"
.88 REF.

FEATURES:

- INDUSTRY STANDARD MOUNTING PATTERN
- OUTPUT SPEEDS FROM 4-200 RPM
- 12 OR 24 VOLTS DC
- DIE CAST ZINC CASE
- OP SHAFT Ø .31 TO Ø .38
- CUSTOMER SPEC'D FLATS, KEYWAYS, HOLES, ETC

MOTOR SIZE "X"	Ø 1.09 (28 MM)	Ø 1.41 (36 MM)	Ø 1.58 (40 MM)
OVERALL SIZE "Y"	2.65	3.20	3.69

TOLERANCES

X.XX : ±.010
X.XXX : ±.005
FRACTION : ±1/64
ANGLE : ±2°
UNLESS OTHERWISE SPECIFIED

MULTI PRODUCTS
Company, Inc.

PART NAME/DESCRIPTION: **MODEL 7000 DC, DEEP COVER**

DRAWN BY: DAB	DATE: 9/26/2017	SCALE: 1:1	MATERIAL: SEE BOM
CHK'D BY: -	DATE:	PART NUMBER:	MOD-7000-DC
APPR'D BY: -	DATE:		

WWW.MULTIPRODUCTS.COM 262-554-3700

2.75 REF.
1.38 REF.
3.00 REF.
.90 REF.
1.19
2.38
2.50
.65

MOUNTING HOLES (4)

"Y"
TO END OF MOTOR
SHAFT EXTENSION
SHAFT EXTENSION
Ø .75 REF.
.17 REF.
Ø .75 REF.
.09 REF.
Ø "X"
.60 REF.

FEATURES:

- INDUSTRY STANDARD MOUNTING PATTERN
- OUTPUT SPEEDS FROM 4-200 RPM
- 12 OR 24 VOLTS DC
- DIE CAST ZINC CASE
- OP SHAFT Ø .31 TO Ø .38
- CUSTOMER SPEC'D FLATS, KEYWAYS, HOLES, ETC

MOTOR SIZE "X"	Ø 1.09 (28 MM)	Ø 1.41 (36 MM)	Ø 1.58 (40 MM)
OVERALL SIZE "Y"	2.37	2.92	3.41

TOLERANCES

X.XX : ±.010
X.XXX : ±.005
FRACTION : ±1/64
ANGLE : ±2°
UNLESS OTHERWISE SPECIFIED

MULTI PRODUCTS
Company, Inc.

PART NAME/DESCRIPTION: **MODEL 7000 DC, FLAT COVER**

DRAWN BY: DAB	DATE: 9/26/2017	SCALE: 1:1	MATERIAL: SEE BOM
CHK'D BY: -	DATE:	PART NUMBER:	MOD-7000-DC
APPR'D BY: -	DATE:		

WWW.MULTIPRODUCTS.COM 262-554-3700



Outline Drawings

DC and AC Motor Outline Drawings



DC Gearmotor Drawing

FEATURES:

- INDUSTRY STANDARD MOUNTING PATTERN
- OUTPUT SPEEDS FROM 4-200 RPM
- 12 OR 24 VOLTS DC
- DIE CAST ZINC CASE
- OP SHAFT ϕ .31 TO ϕ .38
- CUSTOMER SPEC'D FLATS, KEYWAYS, HOLES, ETC

MOTOR SIZE "X"	ϕ 1.09 (28 MM)	ϕ 1.41 (36 MM)	ϕ 1.58 (40 MM)
OVERALL SIZE "Y"	2.74	3.29	3.78

TOLERANCES

XXX: \pm .010

X.XXX: \pm .005

FRACTION: \pm 1/64

ANGLE: \pm 2°

UNLESS OTHERWISE SPECIFIED

MULTI PRODUCTS
Company, Inc.

PART NAME/DESCRIPTION: MODEL 7000 DC, SQUARE COVER, 2.125"

DRAWN BY: DAB	DATE: 9/26/2017	SCALE: 1:1	MATERIAL: SEE BOM
CHKD BY: -	DATE: -	PART NUMBER: MOD-7000-DC	
APPR'D BY: -	DATE: -		

WWW.MULTIPRODUCTS.COM 262-554-3700

FEATURES:

- INDUSTRY STANDARD MOUNTING PATTERN
- OUTPUT SPEEDS FROM 4-200 RPM
- 12 OR 24 VOLTS DC
- DIE CAST ZINC CASE
- OP SHAFT ϕ .31 TO ϕ .38
- CUSTOMER SPEC'D FLATS, KEYWAYS, HOLES, ETC

MOTOR SIZE "X"	ϕ 1.09 (28 MM)	ϕ 1.46 (35 MM)	ϕ 1.58 (40 MM)
OVERALL SIZE "Y"	2.90	3.45	3.94

TOLERANCES

XXX: \pm .010

X.XXX: \pm .005

FRACTION: \pm 1/64

ANGLE: \pm 2°

UNLESS OTHERWISE SPECIFIED

MULTI PRODUCTS
Company, Inc.

PART NAME/DESCRIPTION: MODEL 7000 DC, DEEP COVER, PADS

DRAWN BY: DAB	DATE: 9/26/2017	SCALE: 1:1	MATERIAL: SEE BOM
CHKD BY: -	DATE: -	PART NUMBER: MOD-7000-DC	
APPR'D BY: -	DATE: -		

WWW.MULTIPRODUCTS.COM 262-554-3700



Outline Drawings

DC and AC Motor Outline Drawings



AC Gearmotor Drawing

FEATURES:

- INDUSTRY STANDARD MOUNTING PATTERN
- OUTPUT SPEEDS FROM 4-200 RPM
- AC VOLTAGES FROM 120 THRU 240
- DIE CAST ZINC CASE
- OP SHAFT $\phi .31$ TO $\phi .38$
- CUSTOMER SPEC'D FLATS, KEYWAYS, HOLES, ETC

STACK SIZE "X"	.63	.75	1.06	2.00
OVERALL SIZE "Y"	2.59	2.71	3.04	3.96

TOLERANCES				MULTI PRODUCTS Company, Inc.	
X.XX: $\pm .010$	X.XXX: $\pm .005$				
FRACTION: $\pm 1/64$	ANGLE: $\pm 2^\circ$	UNLESS OTHERWISE SPECIFIED	DRAWN BY: DAB DATE: 9/26/2017 SCALE: 1:1 MATERIAL: SEE BOM CHK'D BY: - DATE: - PART NUMBER: MOD-7000-AC APPR'D BY: - DATE: -		

WWW.MULTIPRODUCTS.COM 262-554-3700

FEATURES:

- INDUSTRY STANDARD MOUNTING PATTERN
- OUTPUT SPEEDS FROM 4-200 RPM
- AC VOLTAGES FROM 120 THRU 240
- DIE CAST ZINC CASE
- OP SHAFT $\phi .31$ TO $\phi .38$
- CUSTOMER SPEC'D FLATS, KEYWAYS, HOLES, ETC

STACK SIZE "X"	.63	.75	1.06	2.00
OVERALL SIZE "Y"	2.31	2.43	2.76	3.68

TOLERANCES				MULTI PRODUCTS Company, Inc.	
X.XX: $\pm .010$	X.XXX: $\pm .005$				
FRACTION: $\pm 1/64$	ANGLE: $\pm 2^\circ$	UNLESS OTHERWISE SPECIFIED	DRAWN BY: DAB DATE: 9/26/2017 SCALE: 1:1 MATERIAL: SEE BOM CHK'D BY: - DATE: - PART NUMBER: MOD-7000-AC APPR'D BY: - DATE: -		

WWW.MULTIPRODUCTS.COM 262-554-3700



Outline Drawings

DC and AC Motor Outline Drawings



MULTIPRODUCTS
Company, Inc.

AC Gearmotor Drawing

2.75 REF.
1.38 REF.
3.47 REF.
1.37 REF.
1.06
2.13
1.06
2.13

MOUNTING HOLES (4)

Ø.69 REF.
.14 REF.

TO BEARING BRACKET

SHAFT EXTENSION

"X"

OPTIONAL COOLING FAN

FEATURES:
 • INDUSTRY STANDARD MOUNTING PATTERN
 • OUTPUT SPEEDS FROM 4-200 RPM
 • AC VOLTAGES FROM 120 THRU 240
 • DIE CAST ZINC CASE
 • OP SHAFT Ø.31 TO Ø.38
 • CUSTOMER SPEC'D FLATS, KEYWAYS, HOLES, ETC

STACK SIZE "X"	.63	.75	1.06	2.00
OVERALL SIZE "Y"	2.68	2.81	3.13	4.06

TOLERANCES
 X.XX : ±010
 X.XXX : ±005
 FRACTION : ±1/64
 ANGLE : ±2°
 UNLESS OTHERWISE SPECIFIED

MULTI PRODUCTS
Company, Inc.

PART NAME/DESCRIPTION: MODEL 7000 AC, SQUARE COVER, 2.125"

DRAWN BY: DAB	DATE: 9/26/2017	SCALE: 1:1	MATERIAL: SEE BOM
CHKD BY: -	DATE:	PART NUMBER:	MOD-7000-AC
APPR'D BY: -	DATE:		

WWW.MULTIPRODUCTS.COM 262-554-3700