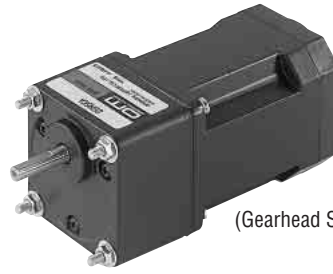


Reversible Motors

1 W (1/750 HP)

Frame Size: □ 1.65 in. (□ 42 mm)



(Gearhead Sold Separately)



Specifications — 30 Minutes Rating

Model	Output Power		Voltage	Frequency	Current	Starting Torque		Rated Torque		Rated Speed	Capacitor
	HP	W	VAC	Hz	A	oz-in	mN·m	oz-in	mN·m	r/min	μF
Upper Model Name: Pinion Shaft Type Lower Model Name (): Round Shaft Type											
ORK1GN-AUL (ORK1A-AUL)	1/750	1	Single-Phase 115	60	0.10	1.13	8	1.13	8	1200	1.2

Ⓢ Impedance protected.

• Values shown for rated torque and starting torque are measured for operation without the friction brake installed.

• [Details of Safety Standards](#) → Page G-2

Gearhead (Sold Separately)

Parallel Shaft

Gearhead Model	Gear Ratio
OGN□KA	3~180

• Enter the gear ratio in the box (□) within the model name.

Gearmotor — Torque Table

Unit = Upper values: lb-in / Lower values: N·m

Model	Speed r/min	600	500	360	300	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10
	Gear Ratio	3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180
ORK1GN-AUL / OGN□KA		0.168	0.2	0.28	0.34	0.43	0.51	0.64	0.77	0.97	1.15	1.41	1.68	2.3	2.8	3	3.7	4.1	5	6.2	7.5
		0.019	0.023	0.032	0.039	0.049	0.058	0.073	0.088	0.11	0.13	0.16	0.19	0.26	0.32	0.35	0.42	0.47	0.57	0.71	0.85

• Gearheads are sold separately. Decimal gearheads are not available for 1 W motors.

• Enter the gear ratio in the box (□) within the model name. A colored background indicates gear shaft rotation in the same direction as the motor shaft; a white background indicates rotation in the opposite direction.

• The speed is calculated by dividing the motor's synchronous speed (60 Hz: 1800 r/min) by the gear ratio. The actual speed is 2~33% less than the displayed value, depending on the size of the load.

Permissible Overhung Load and Permissible Thrust Load

Motor (Round shaft type) → Page A-11

Gearhead → Page A-11

Permissible Load Inertia J for Gearhead

→ Page A-12

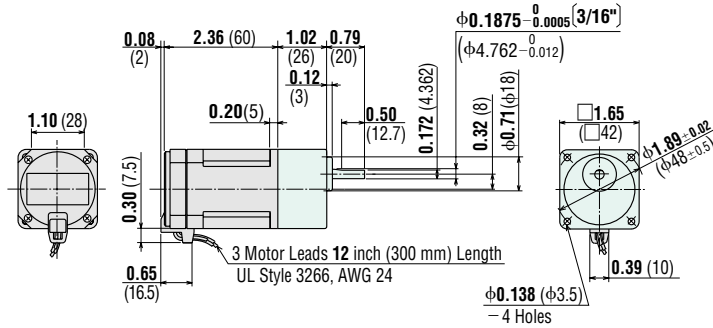
Dimensions Scale 1/4, Unit = inch (mm)

Mounting screws are included with gearheads. Dimensions for screws → A-223

◆ **Lead Wire Type**

Motor ORK1GN-AUL / **Gearhead** OGN□KA
 Weight: 0.66 lb. (0.3 kg) / Weight: 0.44 lb. (0.2 kg)

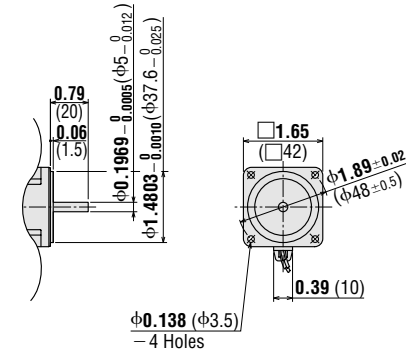
DXF A001U (OGN3KA ~ 180KA)



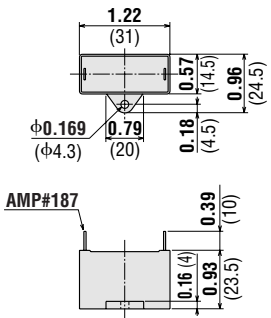
Round Shaft Type

ORK1A-AUL
 Weight: 0.66 lb. (0.3 kg)

DXF A372



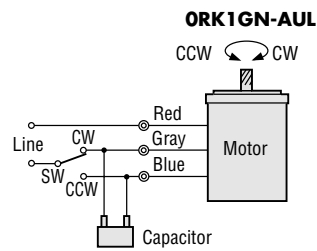
● **Capacitor** (included with the motors)



Motor Model	Capacitor Model	Weight oz. (g)
ORK1GN-AUL	CH12UL	0.60 (17)
ORK1A-AUL		

- If you need to order a capacitor without a motor, add "-C" to the capacitor model number shown. A capacitor cap is included with a capacitor.

■ **Connection Diagrams**



- The direction of motor rotation is as viewed from the shaft end of the motor.
- CW represents the clockwise direction, while CCW represents the counterclockwise direction.
- Connection diagrams are also valid for the equivalent round shaft type.
- **How to connect a capacitor** → Page A-225
- Note:**
- Connect a CR circuit to the forward/reverse select switch (SW) to protect the contact. Connecting CR circuit, contact capacity → Page A-226