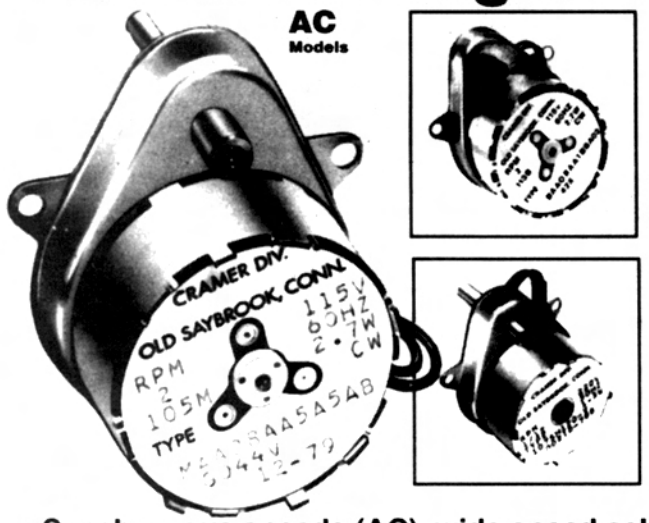
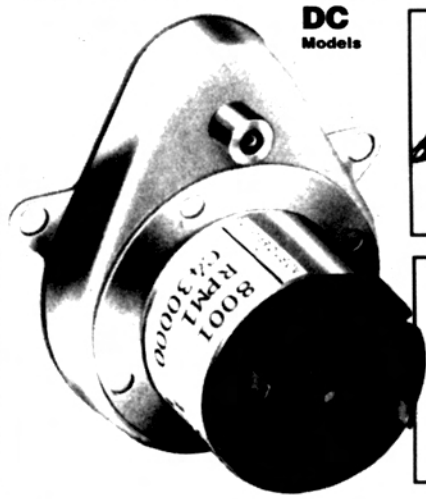
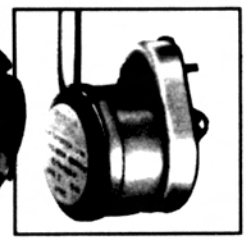
Permanent Magnet AC & DC Gearmotors







- **Synchronous speeds (AC), wide speed selection.**
- **UL Listed & CSA Approved**
- **Custom designs**

These remarkably efficient power heads are all permanent magnet inductor types and are designed for use in applications where fast starts and stops are a consideration. When "PM" motors are operated within their starting torque ratings, they typically reach synchronous speed during the first two cycles of applied voltage . . . and stop with far less coast than comparable hysteresis motors. Maximum running torques greater than those developed by hysteresis units of the same size are customary. Speed is as accurate as line frequency.

Cramer DC Permanent Magnet Motors are available for applications demanding the use of DC power. It should be noted that with DC units it is essential that we know torque requirements at specific speeds in order to be able to determine correct motor/gear combinations.

High torque applications

- Cassette lift: copiers
- Valve drives: water softeners
- Chart recorders: heavy duty paper drive
- Automatic teller machines: paper drive
- Automatic tollgates: ticket dispenser

Medium to light torque applications

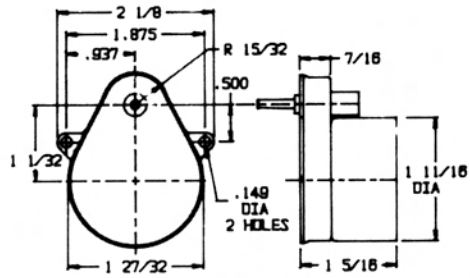
- Chart recorders: paper drive
- Irrigation control: timing
- Displays: point-of-purchase
- Telescope drives
- Pill dispensers: belt drives
- Emergency lighting: rotating beacon drives

PERFORMANCE DATA

	105	107	113	800I/800R	800P
Rotor Speed (RPM)	600	450	240	2400-4800	1200-3600
Starting Torque (oz. in. @ 1 RPM)	300	30	60	60	30
Running Torque (oz. in. @ 1 RPM)	300	60	60	60	30
Power Input (watts)	2.7	2.3	2.7	2.0	2.0
Operating Temp. Range (°C)	← -20° to +55° →			← -20° to +85° →	
Temp. Rise (nom. °C)	54°	34°	46°	—	—
Voltages Offered (VAC)	← 24, 115, 220; 50 or 60 Hz →			← 6, 12, 24 VDC →	

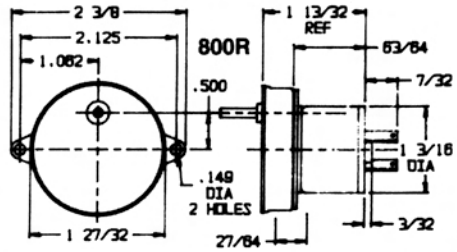
MECHANICAL DATA

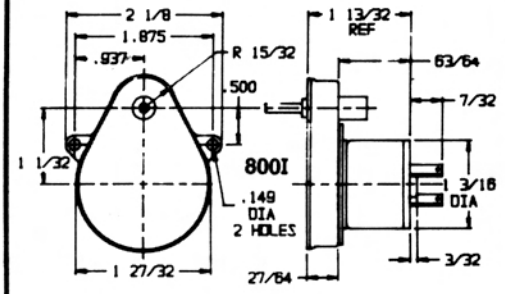
AC Models (107 below)



Available with Round Gearcase

DC Models





www.relayspec.com
RELAY SPECIALTIES
A world of components
sales@relayspec.com