

STEPPING MOTOR FAMILY



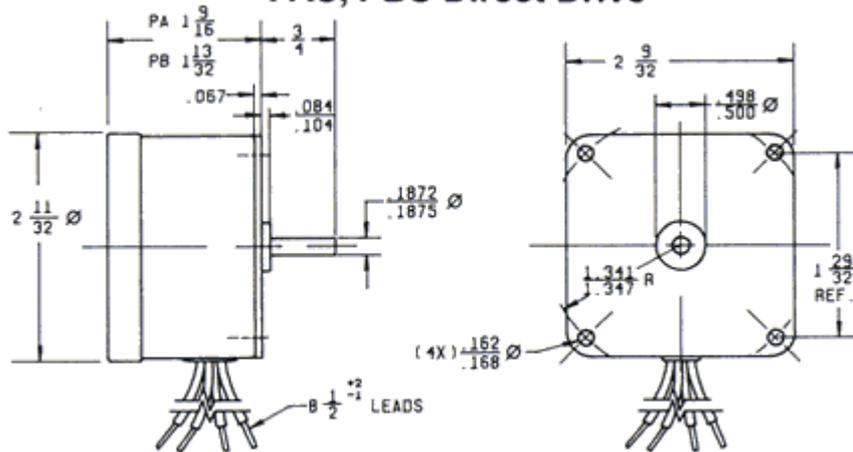
Series PAS, PBS Direct Drive Stepping Motor

PAS and PBS series motors provide users a choice of step angles of 7.5° or 15°, standard or Hi-Torque rotors and a choice of mounting specified.

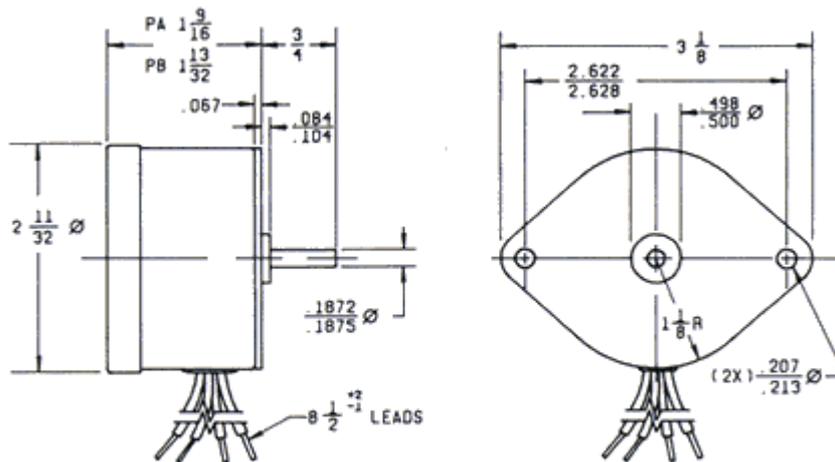
Notes:

- Sleeve bearings are standard. Ball bearings may be specified.
- The square mounting plate is standard, a diamond shaped plate may be specified.

PAS, PBS Direct Drive

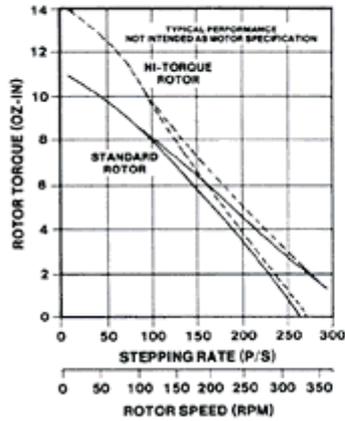


PAS, PBS Direct Drive

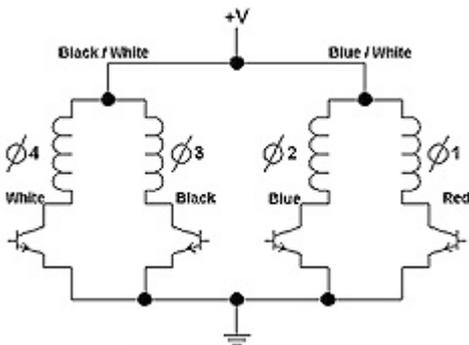
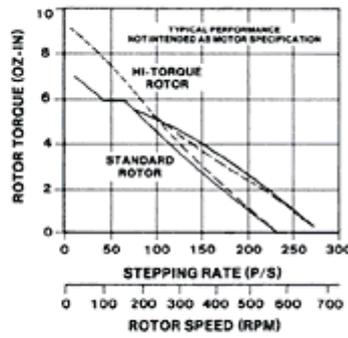


*Dimensions are in inches

**MODELS PAS 3205-001 AND PAS 3229-002
UNIPOLAR L/R DRIVE**



**MODELS PBS 3207-001 AND PBS 3231-002
UNIPOLAR L/R DRIVE**



Ø4	Ø3	Ø2	Ø1
White	Black	Blue	Red

↑ CCW ROTATION	1	0	1	0	↓ CW ROTATION
	1	0	0	1	
	0	1	0	1	
	0	1	1	0	

1 = ON, 0 = OFF

SWITCHING SEQUENCE

Model	Part Number	Step Angle (degrees)	Steps per Revolution	Rated Torque @ 175 p/s (mNM)	Rated Torque @ 4-5 p/s (mNM)	Holding Torque mNM (2 Phase Energized)	Holding Torque (mNM)	Detent Torque (mNM)	Output Speed (RPM)	Input Power (watts)	Nominal Voltage (VDC)	V R e
PAS	3205-003	7.5	48	33.893	60.019	98.855			250	8	24	
PAS	3229-002	7.5	48	36.012	81.203	116.508			250	8	12	
PBS	3207-001	15	24	22.596	40.954	77.672			500	8.5	12	
PBS	3231-001	15	24	22.596	40.954	77.672			500	8.5	6	
PBS	3231-002	15	24	22.596	51.546	86.852			500	8.5	12	

Winding Resistance (ohms)	Rotor Inertia (gm-cm ²)	Full Load Temp. Rise °C	Shaft bearing	Weight (gm)	Hi-Torque Rotor	Controller Chip 220001
135	62.186	50	sleeve	368.55		X

35	62.186	50	sleeve	368.55	X	X
32	34.751	52	sleeve	368.55		X
7.4	34.751	52	sleeve	368.55		X
32	34.751	52	sleeve	368.55	X	X