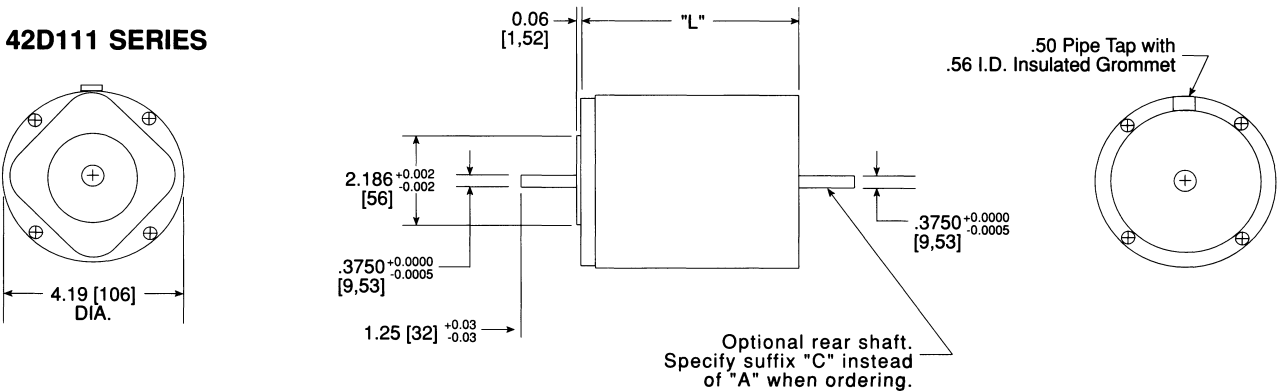


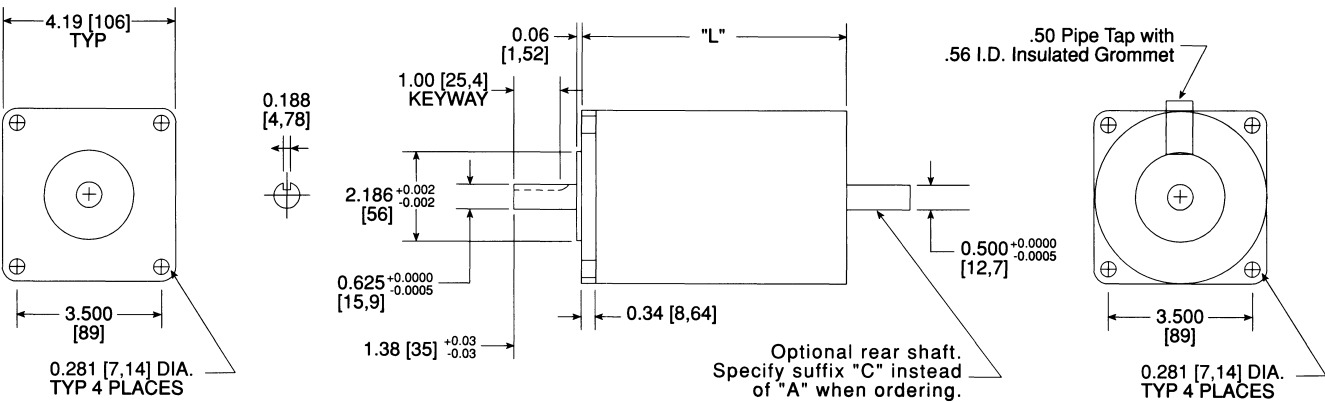
SIZE 42 BASIC MOTOR MODELS AND SPECIFICATIONS

BASIC MOTORS WITH CIRCUIT BOARD	WITHOUT CIRCUIT BOARD	STATIC TORQUE oz-in (N-m)	RATED CURR. (AMPS)	RATED VOLTS (VDC)	RESIST./ PHASE (OHMS)	INDUCT./ PHASE (mH)	ROTOR INERTIA oz-in ² (Kg-cm ²)	"L" in (mm)	WEIGHT lbs (Kg)
42D111-12A	42D111-12FA	625 (4.41)	6.10	2.30	0.37	2.40	21.60 (3.93)	4.87 (124)	8.00 (3.62)
42D112-07A	42D112-07FA	1200 (8.47)	5.00	5.30	1.26	7.00	47.50 (8.70)	7.05 (179)	15.00 (6.80)
42D112-08A	42D112-08FA	1100 (7.76)	3.80	5.70	1.50	14.00	43.99 (8.01)	7.05 (179)	15.00 (6.80)
42D112-12A	42D112-12FA	1100 (7.76)	6.10	3.60	0.60	3.60	43.99 (8.01)	7.05 (179)	15.00 (6.80)
42D112-19A	42D112-19FA	1600 (11.3)	5.00	5.30	1.26	19.00	47.50 (8.70)	7.05 (179)	15.00 (6.80)

42D111 SERIES



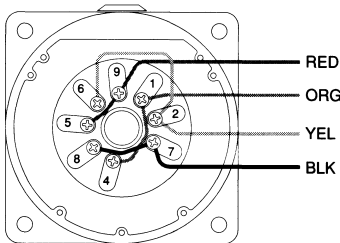
42D112 SERIES



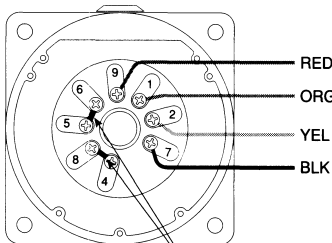
WIRING

CIRCUIT BOARD MODELS

Parallel Connections



Series Connections



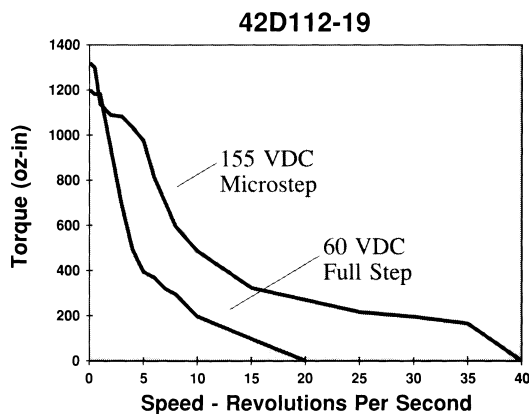
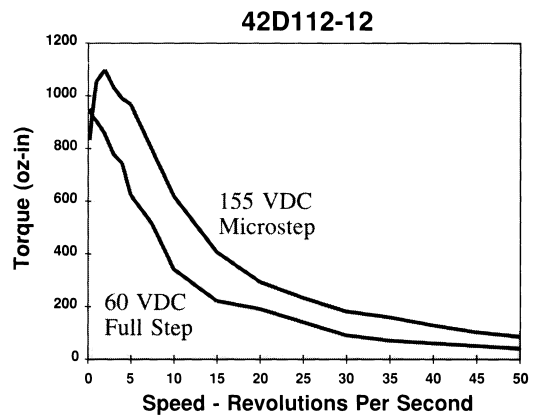
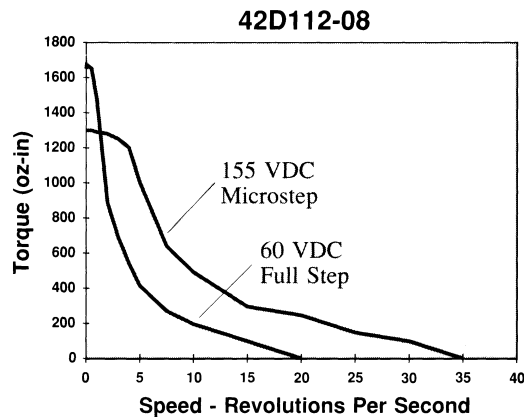
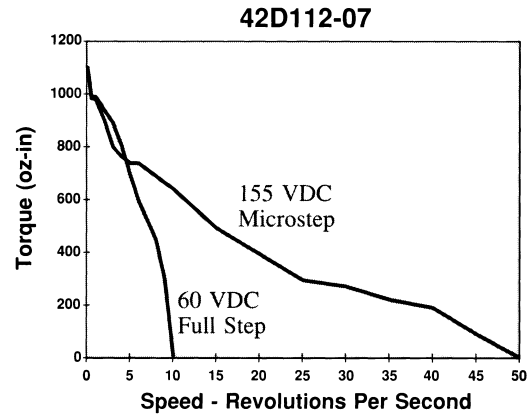
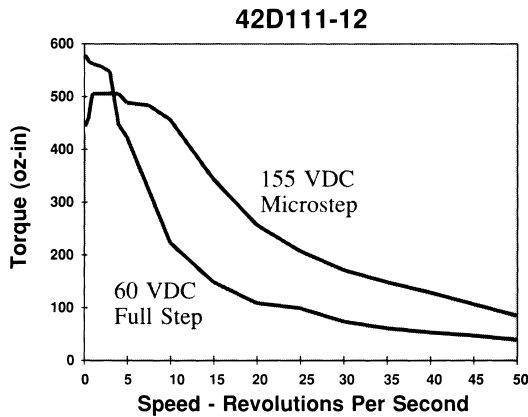
NOTE: MOTORS SHOWN WITH REAR COVER PLATE REMOVED.

FLYING LEAD MODELS

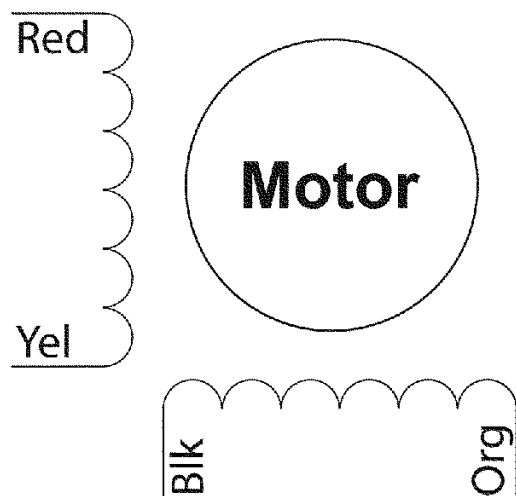
WIRE COLOR	DRIVE CONNECTION
ORANGE	A+
ORG / WHITE	A+ Common
BLACK	A-
BLK / WHITE	A- Common
RED	B+
RED / WHITE	B+ Common
YELLOW	B-
YEL / WHITE	B- Common

SIZE 42 SPEED/TORQUE CURVES

All motors connected in series with driver voltage, and step mode as noted in each curve.

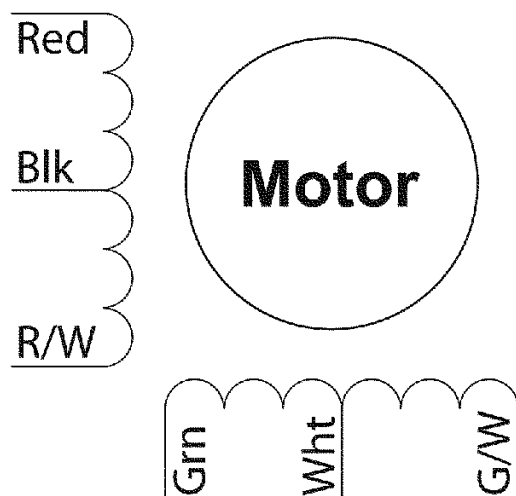


FOUR LEAD MOTORS



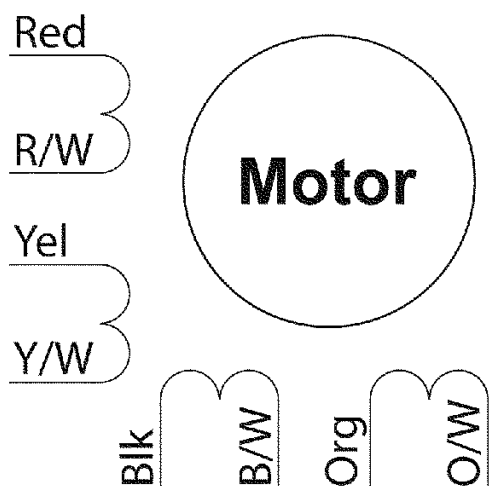
Wire Color	Drive Connection
Orange	A+
Black	A-
Red	B+
Yellow	B-
Bipolar Drive Connections	

SIX LEAD MOTORS



Wire Color	Drive Connection
Grn / Wht	A+
White	A Common
Green	A-
Red	B+
Black	B Common
Red / Wht	B-
Bipolar & Unipolar Series Connections	

EIGHT LEAD MOTORS



Wire Color	Drive Connection
Orange	A+
Org / Wht	A Common
Blk / Wht	
Black	A-
Red	B+
Red / Wht	B Common
Yel / Wht	
Yellow	B-
Bipolar or Unipolar Drive Series Connections	

Wire Color	Drive Connection
Orange	A+
Blk / Wht	
Org / Wht	A-
Black	
Red	B+
Yel / Wht	
Red / Wht	B-
Yellow	
Bipolar Drive Parallel Connections	