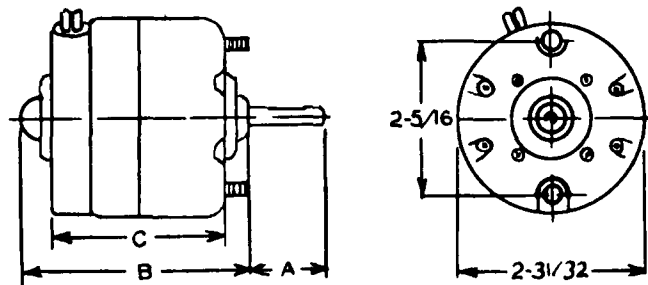


SMALL MOTOR DIMENSION CHART



SERVICE REPLACEMENT MOTORS

Balkamp No.	Volts	Shaft Dia.	(A) Shaft Length ± 1/4"	(B) Overall Frame Length	(C) Frame Length ± 1/4"
3-7500	12 Rev.	5/16 in.	1-17/32	4-13/64	3-3/38
3-7501	6 Rev.	1/4 in.	1-17/32	3-37/64	2-3/4
3-7501*	6 Rev.	5/16 in.	1-17/32	4-13/64	3-3/8
3-7502	12 Rev.	1/4 in.	1-17/32	3-37/64	2-3/4
3-7503	12-2 Speed	1/4 in.	1-9/16	3-21/32	3
3-7504	12-2 Speed	1/4 in.	1-9/16	3-21/32	3
3-7505	12-2 Speed	5/16 in.	1-1/2	4-5/16	3-3/8
3-7506	12-2 Speed	5/16 in.	2	4	3
3-7507	6-2 Speed	1/4 in.	1-5/32	3-53/64	3
3-7508	6-2 Speed	1/4 in.	1-5/32	3-53/64	3
3-7512+	12 Rev.	5/16 in.	1-17/32	4-1/2	3-3/4
3-7513+	12 Rev.	5/16 in.	1-17/32	4-1/2	4-1/2
3-7518	Dbl. Shaft—3 Speed	5/16 in.	3-1/4 x 3-1/4	4-1/16	3-3/8
3-7519	12 Dbl. Shaft	5/16 in.	3-9/32 x 3-9/32	4-1/16	3-3/8
3-7528	12 Plate Mounted	5/16 in.	1-17/32	4-1/2	3-3/4
3-7540	12-2 Speed	5/16 in.	1	4-1/4	3-5/16
3-7541	12	5/16 in.	1-5/16	4	3-1/4
3-7542	12	5/16 in.	1-25/64	4-9/16	3-9/16
3-7543	12	5/16 in.	4-5/64	4	3-9/32

* Stud Center Distance Is 2-1/2" — Stud Size 8/32 and Threaded Shaft.

* Use Adapter Sleeve #3-7522.

MODIFICATION INSTRUCTIONS

To reduce the number of motors necessary to stock for the best coverage it is necessary to make some of the following changes in some of the recommended motors.

SHAFT—We are recommending that shafts be cut to length. No difficulty will be encountered if the shaft (never the motor) is securely tightened in a vise. Under no conditions, secure the motor in a vise as it will be damaged beyond repair.

LEADS—In some instances two speed motors are recommended to replace single speed motors. Two speed motors have three leads. Single speed motors have two leads. Cut off and insulate the unused. In most cases the leads on the replacement motor will not be the same length as on the original motor or the terminals will not be the same. To use the replacement motor, cut off the terminals on the replacement motor, strip insulation about 1/2 inch. Use the leads from the old motor. Be sure to solder and insulate them properly.

STUDS—Some of the replacement motors have the mounting studs in the reverse position from the original motor. Reverse one stud at a time and no difficulty will be encountered.

SLEEVES—Some motors with 1/4 inch shafts are catalogued to use an adapter sleeve. This is necessary to increase shaft to 5/16 inch diameter.

— COLOR CODE AND HOOK UP —

For Motors Nos.—3-7500, 3-7501, 3-7502

CLOCKWISE ROTATION

Tape together yellow and red leads.
Green wire is hot lead, black wire is ground.

COUNTERCLOCKWISE ROTATION

Tape together green and red leads.
Yellow wire is hot lead, black wire is ground.

ABBREVIATIONS

CW — Clockwise

CCW — Counterclockwise

Rev. — Reversible