VOLTAGE 36/48 ROTATION CCWDE BRUSHES 8 POLES 4

VENTILATED Yes FRAME DIAMETER 7-1/4"

LUBRICATION None required. Prelubricated and sealed ball bearings used at both ends of motor.

FIELD RESISTANCE (77°F/25°C)
.0059 to .0071 ohms measured between terminal "S" and field flexible lead connections.

ARMATURE TEST These armatures have standard winding connections and can be tested on a growler using a metal strip or hacksaw blade to locate shorted windings.

COMMUTATOR Minimum diameter 2.938". Replace armature when commutator has worn to this dimension.

BRUSH REPLACEMENT Replace brushes when they have worn to a length of 9/16" or less.

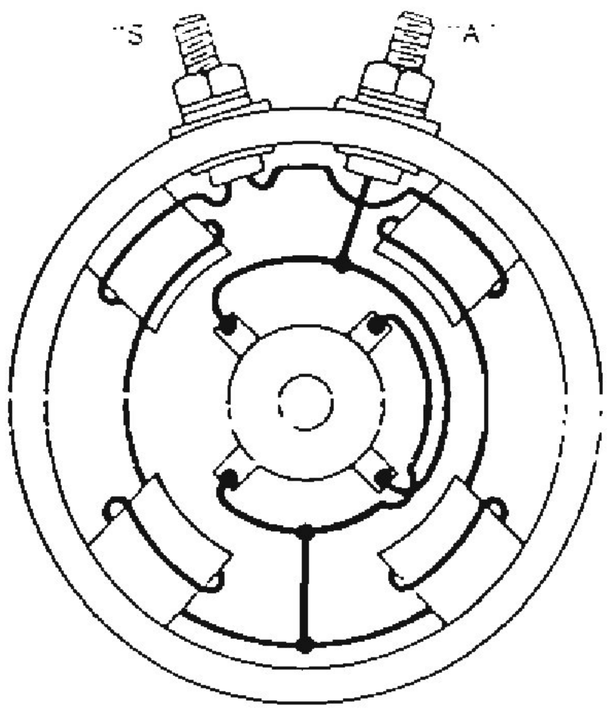
SPRING TENSION 30 to 36 ounces with new brushes. Measure with a spring scale hooked under the brush spring at the brush. Pull the scale on a line opposite the line of force exerted by the brush spring and take the reading just as the brush spring leaves the brush.

TEST SPECIFICATIONS (77°F/25°C)

Motor Terminal Voltage	Maximum Amperes	RPM	Torque Ft. Lbs.
No Load Test	12	26	2100 Min.	0
Light Load Test	35.8	154	1730 to 1990	15

UNIT

MTR-4001
MTR-4002



INTERNAL WIRING
VIEWED FROM COMMUTATOR END