

Table 2. Standard Housing

| MODEL NO. | TORQUE LB. FT. | WEIGHT LBS. | THERMAL CAPACITY HPS/MIN | INERTIA WK ² LB. FT. ² | DIMENSIONS | | | | | | |
|------------|----------------|-------------|--------------------------|--|------------|------|------|------|------------|------|------|
| | | | | | C | D | | H | N ±1/32 | AC | X |
| | | | | | | MAX | MIN | | | | |
| 6-71010-97 | 10 | 28 | 10 | .028 | 6.00 | .060 | .035 | 1.31 | 1.50 | 1.48 | 1.00 |
| 6-71015-97 | 15 | 28 | 10 | .028 | 6.00 | .060 | .035 | 1.31 | 1.50 | 1.48 | 1.00 |
| 6-72025-97 | 25 | 33 | 11 | .051 | 6.62 | .060 | .035 | 1.31 | 2.00 | 2.11 | 1.50 |
| 6-72035-97 | 35 | 33 | 11 | .051 | 6.62 | .065 | .040 | 1.22 | 2.00 | 2.11 | 1.50 |
| 6-73050-97 | 50 | 38 | 12 | .075 | 7.25 | .065 | .040 | 1.25 | 2.50 | 2.73 | 2.00 |
| 6-74075-97 | 75 | 43 | 13 | .099 | 7.87 | .065 | .040 | 1.22 | 3.00 | 3.36 | 2.50 |

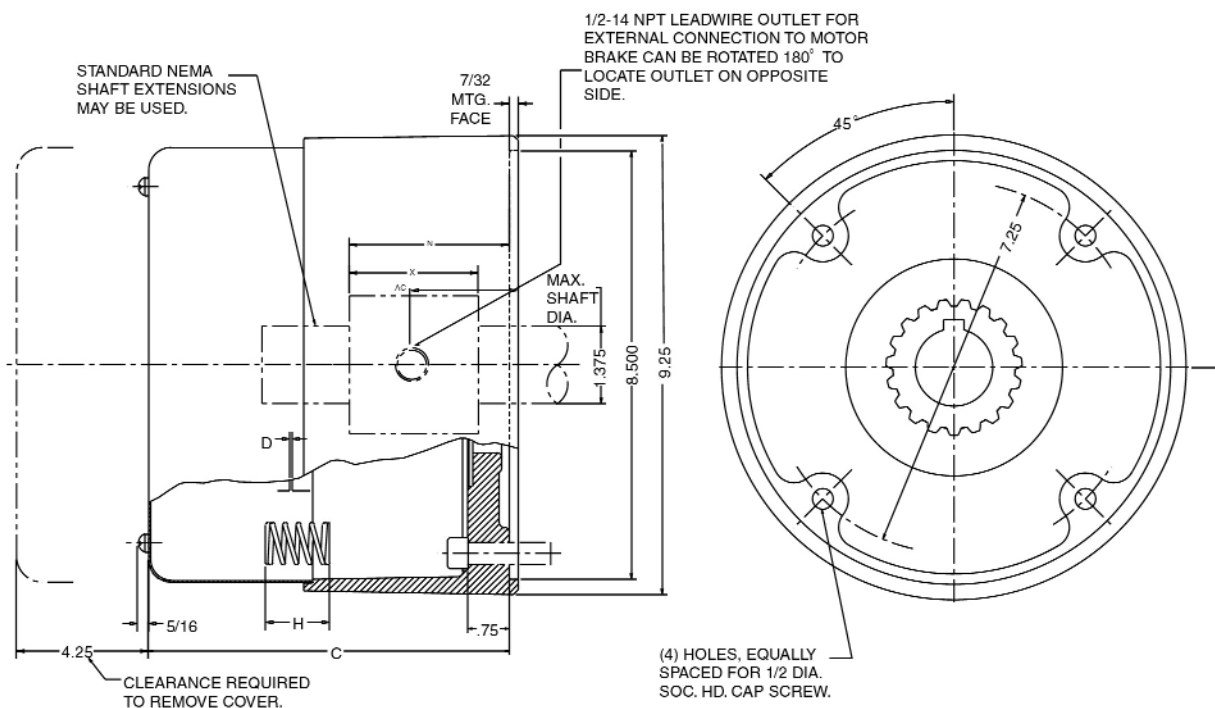


Figure 5. Standard Housing

TROUBLE SHOOTING

A. IF BRAKE DOES NOT RELEASE:

1. Check brake visually for broken or damaged parts.
2. Check for broken leadwire or bad electrical connection.
3. Check for correct voltage. Line voltage must correspond to the voltage for which the brake coils are connected. If the line voltage is more than 10% below the voltage for which the brake coils are connected, the magnet will not pull in, causing the coils to burn out within minutes. If the line voltage is more than 10% above the voltage for which the brake coils are connected, the coils will overheat and burn out.
4. Check for burned-out coils (coils may be charred or burned).
5. Check for excessive magnet gap. (See WEAR ADJUSTMENT.)
6. Check for failure or power supply to brake.

B. IF BRAKE DOES NOT STOP:

1. Check brake visually for broken or damaged parts.
2. Make certain hub has not shifted position on the motor shaft and that all rotating discs are fully engaged on the hub.
3. Check that the manual release is in the normal position.
4. Check disc wear. (See WEAR ADJUSTMENT.)

C. IF BRAKE CHATTERS OR HUMS:

1. See that magnet faces are clean. To remove dirt, insert a clean sheet of paper between magnet faces and energize brake. Move paper around between faces to dislodge dirt, then remove paper.
2. Check for low voltage. Magnet will not pull in, and coils will burn out if line voltage is beyond 10% below the voltage the brake coils are connected for.
3. See that magnet faces are parallel within tolerance. Readjust magnet gap to "D" min. (See WEAR ADJUSTMENT.)
4. Check if shading coil (20) is cracked, broken or out of position (single phase only).

D. IF MANUAL RELEASE DOES NOT WORK:

1. Check for broken or damaged parts.
2. Check return spring (11). Brake will not reset automatically if this spring is broken.
3. Check quantity of shim washers (13) under release stop screws. (See MANUAL RELEASE ASSEMBLY.)

