

90 Series End Mount

NEMA Frame Sizes 324TC through 405TC
Torque Ratings: 450 lb. ft.

Installation Instructions
Parts List
Wiring
Troubleshooting

RoHS Compliance upon request- can be constructed to meet the requirements of the Restriction of Hazardous Substances Directive



Specifications:

Reaction Time: 20-25 milliseconds (release and set)
AK: 12.5" Register
AJ: 11" Bolt Circle
Thermal Capacity: 30 HPS/MIN
Maximum RPM: 1800

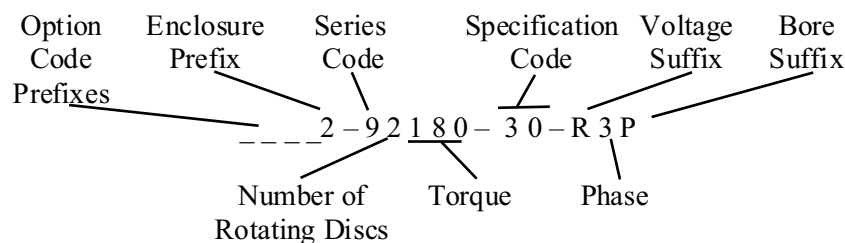
Design Features:

Torque adjustable for specific applications
Splined hub
Coil insulation: Class H Standard
Spring set, electrically released
Lead wires for conduit connections
Manual release, automatic reset
CSA Approved File #LR13814

Enclosure Types:

- ◆Dripproof Enclosure 2-90000-30
 - ◆NEMA 2, CSA 2, IP41
 - ◆Nodular iron cover and bracket
- ◆Waterproof/Dusttight Enclosure 4-90000-31
(Model 6-90000-32 without hub seal for non-TEFC applications)
 - ◆NEMA 4, CSA 4, IP56
 - ◆Nodular iron cover and bracket

Brake Model Number Definition



| Standard Voltages (three phase only): | |
|---------------------------------------|---------------------------------------|
| Suffix | Voltage |
| Y | 110/220V, 50Hz |
| U | 230/460V, 60 Hz or 190/380V, 50 Hz |
| R | 115/230V, 60 Hz |
| T | 220/440V, 60 Hz |
| P | 575V, 60 Hz |

Special voltages available.

| Standard Hub Bore Sizes: | | |
|--------------------------|--------|--------------|
| Suffix | Size | Keyway |
| O | 2 1/8" | 1/2" x 1/4" |
| P | 2 3/8" | 5/8" x 5/16" |
| Q | 2 7/8" | 3/4" x 3/8" |

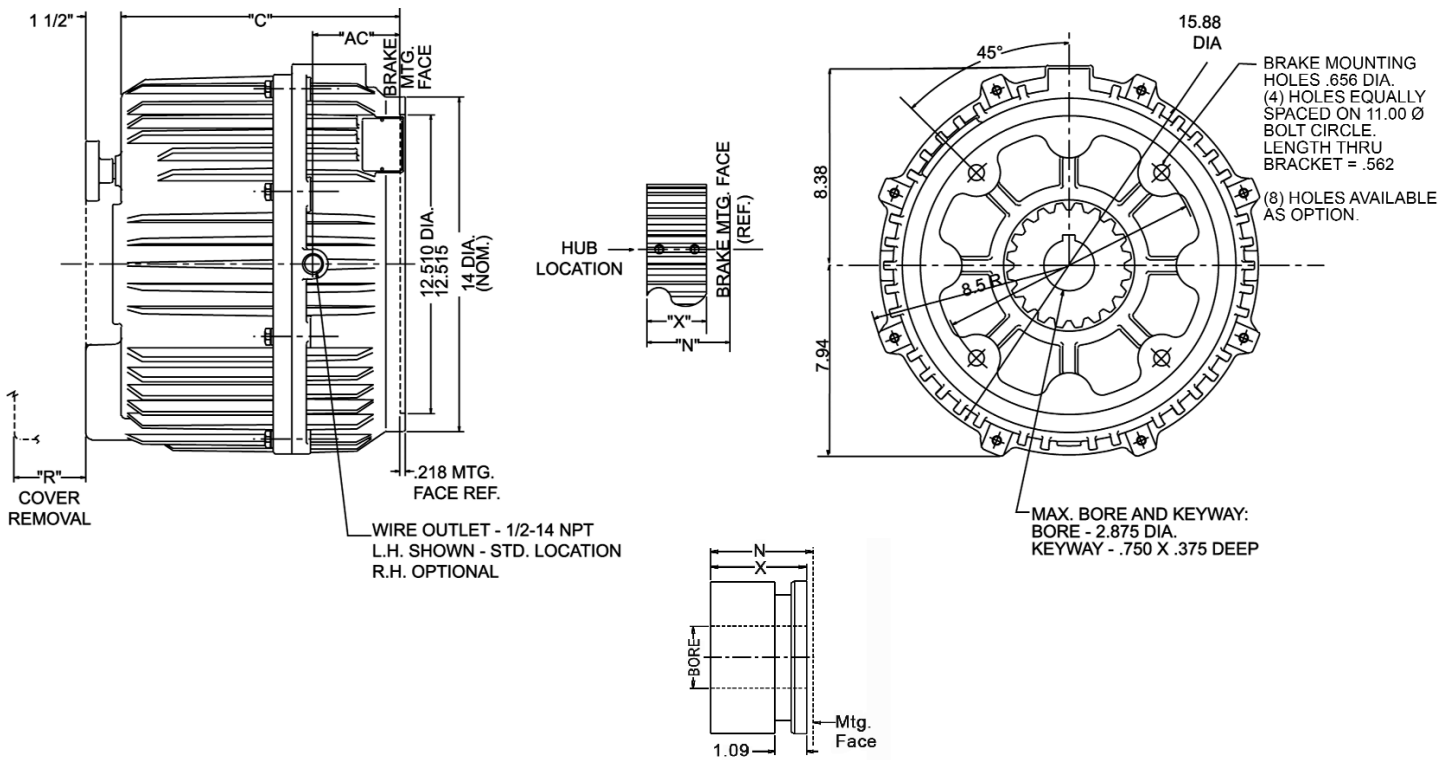
Special bore sizes available.

| Available Options: | Prefix |
|------------------------------------|--------|
| Adapter to Larger Frame Size(s) | A |
| Reverse Adapter | AB |
| Foot Mounting Bracket | F |
| External Breather | K |
| Marine Duty (IEEE 45, CFR110.10-1) | M |
| Harsh Environment Protection | N |
| Tropical Protection | P |
| Internal Space Heater | R |
| Stainless Steel Stationary Disc | S |
| Through Shaft | T |

Refer to pages 32-36 for option descriptions and pricing.

| Torque lb-ft | Model # | Instructions and Parts Manual | Enclosure | Construction | Wt. Lbs. | Inertia Wk ² Lb.Ft. ² | Dimensions | | | | | List Price |
|-----------------|------------|-------------------------------------|-----------|--------------|-------------|---|------------|-------|------|------|------|---------------|
| | | | | | | | R | C | N | X | AC | |
| 450 | 2-95450-30 | BK4690 | NEMA 2 | Nodular Iron | 250 | 2.300 | 7.88 | 11.44 | 5.00 | 3.69 | 3.65 | \$8,700 |
| | 4-95450-31 | BK4690 | NEMA 4 | Nodular Iron | 255 | 2.400 | 7.88 | 11.50 | 5.00 | 4.78 | 3.65 | \$9,700 |

SEE PAGES 21-22 FOR 125 THROUGH 360 LB-FT BRAKES



NEMA 4 HUB WITH SEAL