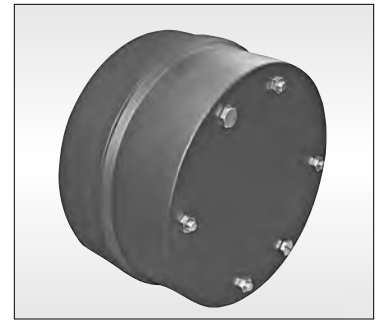


# 90 Series End Mount

NEMA Frame Sizes 324TC/UC/TSC/USC  
through 405TC/UC/TSC/USC  
Torque Ratings: 125 to 450 lb-ft

Direct “Drop-in” Replacement for Stearns® 82,000 Series



**No Disassembly  
Required for Mounting**

## Specifications:

- Reaction Time: 20-25 milliseconds (release and set)
- AK: 12.5” Register
- AJ: 11” Bolt Circle
- Thermal Capacity: 20 HPS/MIN
- Maximum RPM: 1800
- Coil insulation: Class H Standard
- CSA File #LR13814 (IEEE nameplate standard)
- External paint: Red primer
- Instructions & parts manual:
  - NEMA 2 = BK4699
  - NEMA 4 = BK4696

## Design Features:

- RoHS compliant
- Torque adjustable for specific applications
- Splined hub
- Spring set, electrically released
- Lead wires for conduit connections
- Manual release, automatic reset
- High tensile studs standard

## Enclosure Types:

### Dripproof Enclosure 90000-50

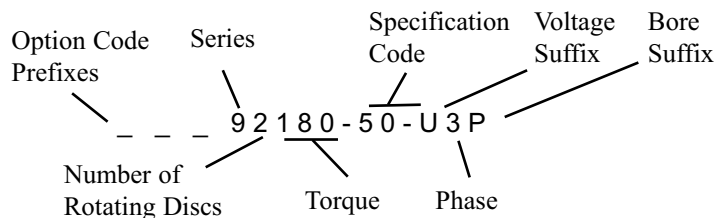
- NEMA 2, CSA 2, IP41
- Cast iron cover and bracket

### Waterproof/Dusttight Enclosure 90000-51

- NEMA 4, CSA 4, IP56\*
- Cast iron cover and bracket
- Also available without hub seal for non-TEFC applications, model 90000-52

\*To obtain full IP56 protection, the customer shaft, hub bore, key and keyway’s mating surface(s) must be sealed to meet IP56. Considerations should be reviewed to appropriately seal mounting hardware as well. Contact factory for details and/or assistance.

## 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
N	1 7/8"	1/2" x 1/4"
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.

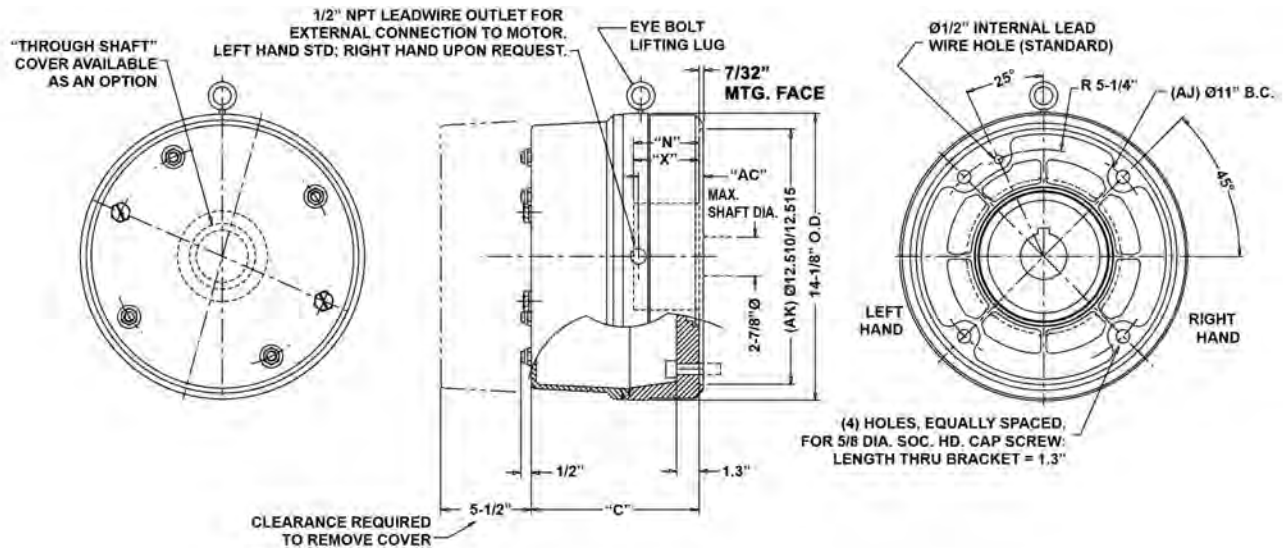
Available Options:	Prefix
Adapter to Larger Frame Size(s)	A
Reverse Adapter	AB
Foot Mounting Bracket	F
Heavy-Duty Rotating Friction Disc with Hardened Steel Hub	H
External Breather	K
Marine/Maritime Duty with MIL-SPEC paint per TT-P-645 & MIL-DTL-15090	M
Marine/Maritime Duty	N
Tropical Protection	P
Internal Space Heater	R
Stainless Steel Stationary Disc	S
Through Shaft	T
Vertical Mounting	
Vertical Over, or above motor	VO
Vertical Under, or below motor	VU
Micro-Switch Warning	XS

**Refer to pages 53-58 for option descriptions & pricing.**

Torque lb-ft	Model #	Replacement for Stearns® Model	Enclosure	Construction	Wt. Lbs.	Inertia Wk <sup>2</sup> Lb-Ft <sup>2</sup>	Dimensions in inches				List Price
							C	"N"	"X"	AC	
125	92125-50	1-082-011-02	NEMA 2	Cast Iron	126	1.0	7.88	2.31	2.31	2.19	\$
	92125-51	1-082-012-02	NEMA 4	Cast Iron	128	1.0	7.88	2.31	2.31	2.19	\$
180	92180-50	1-082-021-02	NEMA 2	Cast Iron	126	1.0	7.88	2.31	2.31	2.19	\$
	92180-51	1-082-022-02	NEMA 4	Cast Iron	128	1.0	7.88	2.31	2.31	2.19	\$
230	93230-50	1-082-031-02	NEMA 2	Cast Iron	139	1.3	8.25	2.94	2.94	2.19	\$
	93230-51	1-082-032-02	NEMA 4	Cast Iron	139	1.3	8.25	2.94	2.94	2.19	\$
270	93270-50	—	NEMA 2	Cast Iron	139	1.3	8.25	2.94	2.94	2.19	\$
	93270-51	—	NEMA 4	Cast Iron	139	1.3	8.25	2.94	2.94	2.19	\$
330	94330-50*	1-082-041-02*	NEMA 2	Cast Iron	147	1.6	8.88	3.56	3.56	3.44	\$
	94330-51*	1-082-042-02*	NEMA 4	Cast Iron	149	1.6	8.88	3.56	3.56	3.44	\$
360	94360-50	—	NEMA 2	Cast Iron	147	1.6	8.88	3.56	3.56	3.44	\$
	94360-51	—	NEMA 4	Cast Iron	149	1.6	8.88	3.56	3.56	3.44	\$
450	95450-50	1-082-051-02*	NEMA 2	Cast Iron	157	1.9	9.28	4.19	4.19	4.06	\$
	95450-51	1-082-052-02*	NEMA 4	Cast Iron	159	1.9	9.28	4.19	4.19	4.06	\$

\*Specify requirement for Stearns replacement at time of order Stearns® is a registered trademark of Rexnord Corporation.

### OUTLINE DRAWING, NEMA 2 ENCLOSURE



### OUTLINE DRAWING, NEMA 4 ENCLOSURE

