

# 70 Series End Mount 2 Post Design & Heavy Duty 4 Post

**Nema 2 2-Post Instructions or Parts List**  
**Nema 2 4-Post Instructions or Parts List**  
**Nema 4 2-Post Instructions or Parts List**  
**Nema 4 4-Post Instructions or Parts List**

**NEMA Frame Sizes 182TC through 256TC**  
**Torque Ratings: 10 to 75 lb. ft.**

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: 8.5" Register  
 AJ: 7.25" Bolt Circle  
 Maximum RPM: 3600

## Design Features:

2 Post Design for standard applications  
 HEAVY DUTY 4 Post Design for high cycle/ jogging  
 No disassembly required for mounting  
 Direct acting design with no linkages to break  
 One moving part for longer life  
 Torque adjustable for specific applications  
 Splined hub  
 Coil insulation: Class B Standard, Class H Optional  
 Spring set, electrically released  
 Lead wires for conduit connections  
 (internal connection available)  
 Manual release, automatic reset  
 All position brake available  
 CSA Approved File #LR13814

## Troubleshooting Wiring

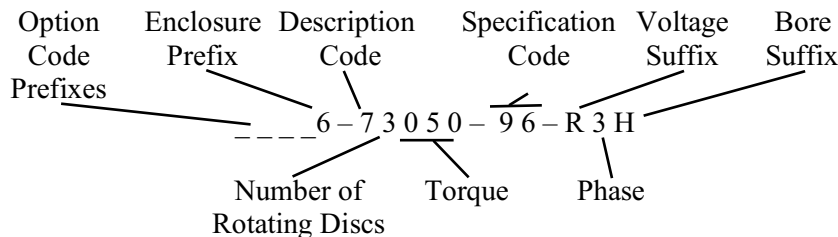
**No  
Disassembly  
Required for  
Mounting!**



## Enclosure Types:

- ◆Dripproof : NEMA 2, CSA 2, IP41
  - ◆Stamped steel cover with cast iron bracket or aluminum cover with cast iron bracket
- ◆Waterproof/Dusttight : NEMA 4, CSA 4, IP56
  - ◆Stamped steel cover with cast iron bracket
  - ◆Available without hub seal for non-TEFC applications  
2 post model 4-70000-101; 4 post model 4-70000-100
- ◆Waterproof/Dusttight Enclosure : NEMA 4, CSA 4, IP56
  - ◆Cast iron cover and bracket
  - ◆Available without hub seal for non-TEFC applications  
2 post model R70000-37; 4 post model 6-70000-58
- ◆Washdown Enclosure : NEMA 4X, CSA 4, IP56
  - ◆Cast iron cover and bracket with FDA Approved white epoxy paint
  - ◆Available without hub seal for non-TEFC applications  
2 post model 6-70000-91; 4 post model 6-70000-92
  - ◆BISSC Certified

## Brake Model Number Definition



Standard AC Voltages (single and three phase):	
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
F	7/8"	3/16" x 3/32"
H	1 1/8"	1/4" x 1/8"
J	1 1/4"	1/4" x 1/8"
K	1 3/8"	5/16" x 5/32"
M	1 5/8" *	3/8" x 3/16"

Special bore sizes available.

Available Options:	Prefix
Adapter to Larger Frame Size(s)	A
Reverse Adapter	AB
Ductile Iron Stationary Disc	E
Foot Mounting Bracket	F
Heavy-Duty Rotating Friction Disc with Hardened Steel Hub	H
High Tensile Studs	J
Marine Duty	M
Harsh Environment Protection	N
Tropical Protection	P
Internal Space Heater	R
Stainless Steel Stationary Disc	S
Through Shaft	T
Class H Insulation	Q
Vertical Mounting	
Vertical Over, or above motor	VO
Vertical Under, or below motor	VU
Micro-Switch Warning	XS

Refer to pages 26-30 for option descriptions and pricing.

\*When using Single phase brakes on NEMA frames 254TC and 256TC, motor shaft must be shortened to dimension "N".

**Instructions/Parts Manual:** Nema 2: BK4703; Nema 4 2 Post: BK4713; Nema 4X: BK4629; Nema 4 4 Post: BK4715/BK4605

Torque lb.ft.	2 POST Model #	Heavy Duty 4 POST Model #	Enclosure	Construction	Wt. Lbs.	Thermal Capacity HPS/Min	Inertia WK <sup>2</sup> Lb.Ft <sup>2</sup>	Dimensions in inches					2 POST List Price	4 POST List Price
								C		N*	X	AC		
								2 Post	4 Post					
10	6-71010-96	6-71010-97	NEMA 2	Cast Iron/Steel	37	10	0.028	5.95	5.95	1.50	1.00	1.48	\$925	\$1,175
	R71010	-	NEMA 2	Cast Iron/Aluminum	40	10	0.028	5.75	-	1.50	1.00	1.48	\$970	-
	4-71010-103	4-71010-102	NEMA 4	Cast Iron/Steel	38	10	0.036	5.98	5.98	1.50	1.31	1.48	\$1,125	\$1,375
	R71010-4	6-71010-57	NEMA 4	Cast Iron	45	10	0.036	5.75	5.86	1.50	1.31	1.48	\$1,525	\$1,775
	6-71010-93	6-71010-94	NEMA 4X	Cast Iron	45	10	0.032	5.79	5.79	1.50	1.43	1.48	\$1,700	\$2,030
15	6-71015-96	6-71015-97	NEMA 2	Cast Iron/Steel	37	10	0.028	5.95	5.95	1.50	1.00	1.48	\$975	\$1,225
	R71015	-	NEMA 2	Cast Iron/Aluminum	40	10	0.028	5.75	-	1.50	1.00	1.48	\$1,025	-
	4-71015-103	4-71015-102	NEMA 4	Cast Iron/Steel	38	10	0.036	5.98	5.98	1.50	1.31	1.48	\$1,175	\$1,425
	R71015-4	6-71015-57	NEMA 4	Cast Iron	45	10	0.036	5.75	5.86	1.50	1.31	1.48	\$1,575	\$1,825
	6-71015-93	6-71015-94	NEMA 4X	Cast Iron	45	10	0.032	5.79	5.79	1.50	1.43	1.48	\$1,830	\$2,080
25	6-72025-96	6-72025-97	NEMA 2	Cast Iron/Steel	41	11	0.051	6.58	6.58	2.00	1.50	2.10	\$1,050	\$1,300
	R72025	-	NEMA 2	Cast Iron/Aluminum	44	11	0.051	6.38	-	2.00	1.50	2.10	\$1,100	-
	4-72025-103	4-72025-102	NEMA 4	Cast Iron/Steel	42	11	0.059	6.61	6.61	2.00	1.81	2.10	\$1,250	\$1,520
	R72025-4	6-72025-57	NEMA 4	Cast Iron	49	11	0.059	6.38	6.48	2.00	1.81	2.10	\$1,650	\$1,900
	6-72025-93	6-72025-94	NEMA 4X	Cast Iron	49	11	0.055	6.41	6.41	2.00	1.93	2.10	\$1,905	\$2,155
35	6-72035-96	6-72035-97	NEMA 2	Cast Iron/Steel	41	11	0.051	6.58	6.58	2.00	1.50	2.10	\$1,200	\$1,450
	R72035	-	NEMA 2	Cast Iron/Aluminum	44	11	0.051	6.38	-	2.00	1.50	2.10	\$1,280	-
	4-72035-103	4-72035-102	NEMA 4	Cast Iron/Steel	42	11	0.059	6.61	6.61	2.00	1.81	2.10	\$1,400	\$1,650
	R72035-4	6-72035-57	NEMA 4	Cast Iron	49	11	0.059	6.38	6.48	2.00	1.81	2.10	\$1,800	\$2,050
	6-72035-93	6-72035-94	NEMA 4X	Cast Iron	49	11	0.055	6.41	6.41	2.00	1.93	2.10	\$2,055	\$2,305
50	6-73050-96	6-73050-97	NEMA 2	Cast Iron/Steel	45	12	0.075	7.20	7.20	2.50	2.00	2.73	\$1,488	\$1,738
	R73050	-	NEMA 2	Cast Iron/Aluminum	48	12	0.075	7.00	-	2.50	2.00	2.73	\$1,575	-
	4-73050-103	4-73050-102	NEMA 4	Cast Iron/Steel	46	12	0.083	7.23	7.23	2.50	2.31	2.73	\$1,700	\$1,950
	R73050-4	6-73050-57	NEMA 4	Cast Iron	53	12	0.083	7.00	7.11	2.50	2.31	2.73	\$2,100	\$2,350
	6-73050-93	6-73050-94	NEMA 4X	Cast Iron	53	12	0.079	7.04	7.04	2.50	2.43	2.73	\$2,355	\$2,605
75	6-74075-96	6-74075-97	NEMA 2	Cast Iron/Steel	50	13	0.099	7.83	7.83	3.00	2.50	3.35	\$2,000	\$2,250
	R74075	-	NEMA 2	Cast Iron/Aluminum	53	13	0.099	7.63	-	3.00	2.50	3.35	\$2,090	-
	4-74075-103	4-74075-102	NEMA 4	Cast Iron/Steel	51	13	0.107	7.86	7.86	3.00	2.81	3.35	\$2,200	\$2,450
	R74075-4	6-74075-57	NEMA 4	Cast Iron	58	13	0.107	7.63	7.73	3.00	2.81	3.35	\$2,600	\$2,850
	6-74075-93	6-74075-94	NEMA 4X	Cast Iron	58	13	0.103	7.66	7.66	3.00	2.93	3.35	\$2,855	\$3,105

\* When single phase brakes are used on NEMA frames 254TC and 256TC, motor shaft must be shortened to dimension "N".

