

70 Series Double C Face

NEMA Frame Sizes 182TC through 256TC

Torque Ratings: 10 to 75 lb. ft.

Instructions
Parts List
Troubleshooting
Wiring

RoHS Compliance available 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

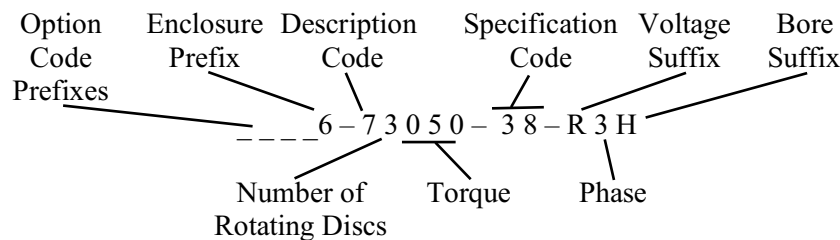
Design Features:

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

Enclosure Types:

- ◆Dripproof Enclosure 6-70000-38
 - ◆NEMA 2, CSA 2, IP41
 - ◆Cast iron bracket and aluminum housing with steel wrap cover
- ◆Waterproof/Dusttight Enclosure 4-70000-46
 - ◆NEMA 4, CSA 4, IP56
 - ◆Cast iron bracket and aluminum housing with Neoprene gasketed steel wrap cover

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.

Available Options:

Option	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
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.

Standard Hub Bore & Shaft 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 & shaft sizes available.

*For 10 or 15 lb.ft. brake with 1-3/8 " bore, the motor shaft may need to be modified. See dimension "AH", opposite page.
 For 25 or 35 lb.ft. brake with 1-3/8" bore, use the 3-disc version.

**Motor shaft must be modified. Maximum shaft length shown on opposite page as dimension "AH".

Torque lb.ft.	Model #	# of Friction Discs	Instruction and Parts Manual	Enclosure	Construction	Wt. Lbs.	Thermal Capacity HPS/MIN	Inertia WK ² Lb. Ft. ²	Dimensions				List Price
									C	AH	X	AC	
10	6-71010-38	1	BK4620	NEMA 2	Cast Iron/Aluminum	45	11	0.069	6.84	1.81*	0.75	1.19	\$2,075
	4-71010-46	1	BK4620	NEMA 4	Cast Iron/Aluminum	45	11	0.069	6.84	1.81	0.75	1.19	\$2,725
15	6-71015-38	1	BK4620	NEMA 2	Cast Iron/Aluminum	45	11	0.069	6.84	1.81*	0.75	1.19	\$2,100
	4-71015-46	1	BK4620	NEMA 4	Cast Iron/Aluminum	45	11	0.069	6.84	1.81*	0.75	1.19	\$2,750
25	6-72025-38	2	BK4620	NEMA 2	Cast Iron/Aluminum	49	12	0.110	7.47	2.44*	1.38	1.63	\$2,175
	4-72025-46	2	BK4620	NEMA 4	Cast Iron/Aluminum	49	12	0.110	7.47	2.44*	1.38	1.63	\$2,825
25	6-73025-38	3	BK4620	NEMA 2	Cast Iron/Aluminum	53	12	0.150	8.09	3.13	2.00	2.25	\$2,200
	4-73025-46	3	BK4620	NEMA 4	Cast Iron/Aluminum	53	12	0.150	8.09	3.13	2.00	2.25	\$2,850
35	6-72035-38	2	BK4620	NEMA 2	Cast Iron/Aluminum	49	12	0.110	7.47	2.44*	1.38	1.63	\$2,250
	4-72035-46	2	BK4620	NEMA 4	Cast Iron/Aluminum	49	12	0.110	7.47	2.44*	1.38	1.63	\$2,925
35	6-73035-38	3	BK4620	NEMA 2	Cast Iron/Aluminum	53	13	0.150	8.09	3.13	2.00	2.25	\$2,300
	4-73035-46	3	BK4620	NEMA 4	Cast Iron/Aluminum	53	13	0.150	8.09	3.13	2.00	2.25	\$3,000
50	6-73050-38	3	BK4620	NEMA 2	Cast Iron/Aluminum	53	13	0.150	8.09	3.13*	2.00	2.25	\$2,500
	4-73050-46	3	BK4620	NEMA 4	Cast Iron/Aluminum	53	13	0.150	8.09	3.13*	2.00	2.25	\$3,150
75	6-74075-38	4	BK4620	NEMA 2	Cast Iron/Aluminum	57	14	0.190	8.42	3.25*	2.63	2.88	\$2,600
	4-74075-46	4	BK4620	NEMA 4	Cast Iron/Aluminum	57	14	0.190	8.42	3.25*	2.63	2.88	\$3,250

*For 10 or 15 lb.ft. brake with 1-3/8" bore, the motor shaft may need to be modified. See dimension "AH".

For 25 or 35 lb.ft. brake with 1-3/8" bore, use the 3-disc version.

For brakes with 1-5/8" bore, motor shaft must be modified. Maximum shaft length shown as dimension "AH".

