

# Brake Options

## A Adaptor to Next Larger Size



### List Price Adders:

50 Series	\$235
60 Series End Mount	\$320
60 Series Double C Face	\$320
60 Series Hazardous	\$320
70 Series End Mount	\$375
70 Series Double C Face	\$375
70 Series Hazardous	\$375
80 Series	\$450
90 Series	\$1,025

Increases C face dimension to allow mounting to next larger motor frame size.

## AB Reverse Adaptor to Next Smaller Size



### List Price Adders:

60 Series End Mount	\$235
60 Series Double C Face	\$235
60 Series Hazardous	\$235
70 Series End Mount	\$320
70 Series Double C Face	\$320
70 Series Hazardous	\$320
80 Series	\$375
90 Series	\$580

Reduces C face dimension to allow mounting to next smaller motor frame size.

## B Aluminum Bronze Stationary Disc



### List Price Adders:

70 Series End Mount (N/A on 8700 Style)	\$450/disc
80 Series	\$550/disc
90 Series	\$645/disc

Provides extra corrosion resistance.

## C Conduit Box



### List Price Adders:

60 Series	\$300
70 Series	\$300
80 Series	\$300
90 Series	\$300

External junction box to connect brake leads. No terminal blocks included unless requested.

## DD DC Voltage



### List Price Adders:

40 Series	\$70
50 Series	\$300
60 Series End Mount	\$300
60 Series Double C Face	\$300
1-70 Series End Mount	\$300

Special coil and electronic circuit allows brake to operate on DC voltage. Not intended for half wave rectified DC power.

## E Ductile Iron Stationary Disc



### List Price Adders:

70 Series End Mount (N/A on 8700 Style)	\$130/disc
70 Series Double C Face	\$130/disc
80 Series	\$160/disc

Ductile iron provides greater strength for high cycle applications.

# Brake Options

## F Foot Mounting Bracket



### List Price Adders:

60 Series End Mount	\$350
60 Series Double C Face	\$350
60 Series Hazardous	\$520
70 Series End Mount	\$450
70 Series Double C Face	\$450
70 Series Hazardous	\$1,095
80 Series	\$475
90 Series	\$1,325

Allows brake to be supported without having to be mounted to a motor C Face.

## H Heavy Duty Rotating Friction Disc with Hardened Steel Hub



Metal disc center provides extra tooth support for high cycle/shock applications.

### Single Disc Brake

#### List Price Adders:

60 Series End Mount	\$160
60 Series Double C Face	\$160
60 Series Hazardous	\$160
70 Series End Mount	\$170
70 Series Double C Face	\$80
70 Series Hazardous	\$80
80 Series	\$310
90 Series	\$500

#### Additional Adders (Per Disc):

60 Series	\$50
70 Series	\$80
80 Series	\$130
90 Series	\$350

## J High Tensile Stud



### List Price Adders:

70 Series End Mount (N/A on 8700 Style)	\$145
70 Series Double C Face	\$145
80 Series	\$145

Studs are made from high strength steel for use in high cycle/shock applications.

## K External Breather



### List Price Adders:

60 Series End Mount	\$235
70 Series End Mount	\$250
80 Series	\$250
90 Series	\$250

Prevents ingress of moisture in humid conditions, reducing corrosion.

## M Marine/Maritime Duty Brake with MIL-SPEC paint per TT-P-645 & MIL-DTL-15090

Special **Military spec.** enamel paint along with plating or painting of interior components provides additional corrosion protection for brakes exposed to severe weather conditions.

Meets IEEE 45, CFR110.1-1 standards.

### List Price Adders:

60 Series End Mount	\$1,170
60 Series Double C Face	\$1,170
70 Series End Mount	\$1,420
70 Series Double C Face	\$1,420
80 Series	\$1,795
90 Series	\$2,130

## N Marine/Maritime Duty Brake

High Solids epoxy paint along with plating or painting of interior components provides additional corrosion protection for brakes exposed to severe weather conditions. Intended for **non-military** offshore applications.

### List Price Adders:

60 Series End Mount	\$560
60 Series Double C Face	\$560
70 Series End Mount	\$630
70 Series Double C Face	\$630
80 Series	\$875
90 Series	\$1,065

# Brake Options

## P Tropical Protection

Special anti-fungal coating on electrical coils provides protection for brakes exposed to hot, humid conditions.

### List Price Adders:

60 Series	\$140
70 Series	\$155
80 Series	\$175
90 Series	\$300

## Q Class H Coil Wire Insulation



### List Price Adders:

50 Series	\$100
60 Series End Mount	\$125
60 Series Double C Face	\$125
70 Series End Mount	\$155
70 Series 8700 Style	Standard
70 Series Double C Face	\$155
80 Series	Standard
90 Series	Standard

High temperature coil wire insulation for extra thermal protection in high temperature applications.

## R Heater



### List Price Adders:

60 Series End Mount	\$210
60 Series Double C Face	\$210
70 Series End Mount	\$225
70 Series Double C Face	\$225
80 Series	\$225
90 Series	\$275

Special resistor helps dissipate moisture in brakes exposed to cold or humid conditions.

## S Stainless Steel Stationary Disc



### List Price Adders:

60 Series End Mount	\$210/disc
70 Series End Mount	\$305/disc
80 Series	\$405/disc
90 Series	\$645/disc

High quality stainless steel discs provide extra corrosion resistance.

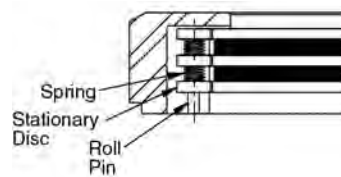
## T Through Shaft



Series	List Adder	Enclosure
40	\$25	NEMA 2, IP40
50	\$25	NEMA 2, IP40
60	\$25	Steel Cover NEMA 2, IP41
60	\$110	Cast Iron Cover NEMA 2, IP41
60	\$225	Cast Iron Cover NEMA 4, IP54
70	\$25	Steel Cover NEMA 2, IP41
70	\$225	Cast Iron Cover NEMA 2, IP41
70	\$300	Cast Iron Cover NEMA 4, IP54
80	\$25	Steel Cover NEMA 2, IP41
80	\$225	Cast Iron Cover NEMA 2, IP41
80	\$300	Cast Iron Cover NEMA 4, IP54
90	\$225	NEMA 2
90	\$520	NEMA 4

Special cover allows shaft to continue through the brake enclosure.

## VO/VU Vertical Over/Vertical Under Mounting



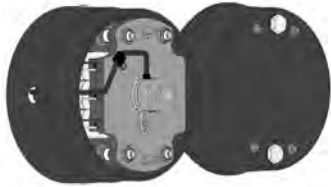
### List Price Adders (Per Disc):

60 Series End Mount	\$10
70 Series Vertical Over	\$30
70 Series Vertical Under	\$20
80 Series	\$30
90 Series (NEW)	\$75

Special springs stabilize discs allowing brake to be mounted in a vertical position either over or under the motor.

# Brake Options

## **XE** *Smart Brake* Encoder Brake



### List Price Adders:

60 Series End Mount	\$1,535
70 Series End Mount	\$2,200
80 Series	\$2,270
90 Series	\$2,400

Internally mounted encoder provides feedback on brake positioning and speed. Pricing includes Encoder Products Company Model 260 encoder. For encoder details or for other encoders, contact factory.

## **XS** Microswitch Warning



### List Price Adders:

60 Series End Mount	\$415
60 Series Double C Face	\$415
70 Series End Mount	\$450
70 Series Double C Face	\$450
80 Series	\$450
90 Series	\$450

Switch provides a NO/NC contact to alert when brake is released electrically or manually.

## **XT** Tach Machining



### List Price Adders:

60 Series End Mount	\$585
70 Series End Mount NEMA 2	\$700
70 Series End Mount NEMA 4	\$850
80 Series End Mount NEMA 2	\$700
80 Series End Mount NEMA 4	\$850

(Models with cast iron covers only)

Machined face on cover allows mounting of tachometer or resolver.

## **External Manual Release** MARK II Design



### List Price Adders:

70 Series End Mount (N/A on 8700 Style)	\$400
80 Series	\$425

Single point, hand activated, external release lever. Manually set / automatically reset by manually

deactivating or energizing the brake.

Available on brakes with cast covers only.

## **External Manual Release** MARK III Design



### List Price Adders:

70 Series End Mount (N/A on 8700 Style)	\$325
80 Series	\$350

Dual, hand activated, external release knobs. Manually set / automatically

reset by manually deactivating or energizing the brake. Available on brakes with cast covers only.

# Brake Option List Price Additions

	Specification Number→	40 Series	50 Series	60 Series							1-70 Series	
		NEMA 2	NEMA 2	NEMA 2			NEMA 4		NEMA 4X		Haz Location	NEMA 2
		End Mount	End Mount	End Mount	End Mount	CC	End Mount	CC	End Mount	CC	End Mount	End Mount
		-012 -013	-050 -05A	-524	-5601 -5602 -5603 -5604	-551	-530 -535 -543 -545	-5153	-5115 -5116 -5140 -5141	-5145 -5155	-66B -67B	-115
Prefix	Option Description											
A	Adaptor to next frame size	-	\$235	\$320	\$320	\$320	\$320	\$320	\$320	\$320	\$320	\$375
AA	Double Adaptor to 2nd larger frame size	-	-	-	-	-	-	-	-	-	-	\$575
AB	Reverse Adaptor to next smaller frame size	-	-	\$235	\$235	\$235	\$235	\$235	\$235	\$235	\$235	\$320
B	Aluminum Bronze Stat Disc (Per Disc) (Number of Stat Discs=# Rotating Discs +1)	-	-	-	-	-	-	-	-	-	-	-
C	Conduit Box	-	-	\$300		\$300	\$300	\$300				
DD	Direct Current (DC Voltage)	\$70	\$300	\$300	-	\$300	\$300	\$300	\$300	\$300	-	\$300
DA	Drain Hole Special	-	-	*	-	*	*	*	*	*	-	*
E	Ductile Iron Stat Discs Per Disc (4 Post) (Number of Stat Discs=# Rotating Discs +1)	-	-	-	-	-	-	-	-	-	-	-
F	Foot Mounting Bracket	-	-	\$350	\$350	\$350	\$350	\$350	\$350	\$350	\$520	\$450
H	Heavy Duty Friction Discs/Hardened Hub	1st Disc	-	-	\$160	-	\$160	\$160	\$160	\$160	\$160	\$160
		Each Add'l Disc	-	-	\$50	-	\$50	\$50	\$50	\$50	\$50	\$50
J	High Tensile Stud***	-	-	-	-	-	-	-	-	-	-	-
K	External Breather	-	-	-	-	-	\$235	-	\$235	-	-	-
M	Marine/Maritime Duty Brake with MIL-SPEC paint per TT-P-645 & MIL-DTL-15090	-	-	\$1,170	-	\$1,170	\$1,170	\$1,170	-	-	*	\$1,170
N	Marine/Maritime Duty Brake	-	-	\$560	-	\$560	\$560	\$560	-	-	*	\$560
P	Tropical (Moisture/Fungus) Protection	-	-	\$140	-	\$140	\$140	\$140	\$140	\$140	\$140	\$140
Q	Class H Insulation	-	\$100	\$125	\$125	\$125	\$125	\$125	\$125	\$125	-	\$125
R	Heater (Specify voltage)	-	-	\$210	-	\$210	\$210	\$210	\$210	\$210	-	\$210
S	Stainless Stat Disc (Per Disc) (Number of Stat Discs=# Rotating Discs +1)	-	-	\$210	-	\$210	\$210	\$210	\$210	\$210	-	\$210
T	Thru-Hole in cover for shaft extension	Cast Cover	-	-	-	-	\$225	-	**	-	-	-
		Steel Cover	-	\$25	\$25	-	-	-	-	-	-	\$25
VO	Vertical Mount Over Motor- cost per disc	-	-	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10
VU	Vertical Mount Under Motor- cost per disc	-	-	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10
W	Electronic Wear Indicator Switch	-	-	-	-	-	-	-	-	-	-	-
X	Special Modifications	*	*	*	*	*	*	*	*	*	*	*
XE	Smart Brake Encoder Option	-	-	\$1,535	-	-	\$1,535	-	\$1,535	-	-	\$1,535
XS	Micro Switch (Brake Released/Engaged)	-	-	\$415	-	\$415	\$415	\$415	\$415	\$415	-	\$415
XT	Tach Mounting (Cast Cover Only)	-	-	**	-	-	\$585	-	\$585	-	-	**
Y	Manual Release Handle	-	-	\$45	-	\$45	\$45	\$45	\$45	\$45	-	\$45
Z	Stabilizer Clip Rotating (Per Rotating Disc)	-	\$10	\$10	-	Std.	\$10	Std.	\$10	Std.	\$10	\$10
	One Piece Hub/Shaft (Brakes 1-6 lb.ft. only)	-	-	-	-	\$270	-	\$270	-	\$270	-	-
	Corrosion Resistant Internal Parts	-	-	\$135	-	\$135	\$135	\$135	Std.	Std.	\$135	\$135
	Deadman Release	-	Std.	-	-	-	-	-	-	-	-	-
	Non Standard Voltages	\$165	\$165	\$165	\$165	\$165	\$165	\$165	\$165	\$165	\$165	\$165
	Non Standard Bore Sizes	\$135	\$180	\$180	\$180	\$180	\$180	\$180	\$180	\$180	\$180	\$180

\*-Contact your Local Dings Dynamics Distributor or Factory Representative for availability and pricing.

# Brake Option List Price Additions

		70 Series											80 Series			90 Series		
		NEMA 2			NEMA 4			NEMA 4X			Haz Location	NAVY	NEMA 2	NEMA 4	NAVY	NEMA 2	NEMA 4	
		End Mount	CC	End Mount	CC	End Mount	CC	End Mount	CC	End Mount	End Mount	End Mount	End Mount	End Mount	End Mount	End Mount	End Mount	
Specification Number→		-97	-ES41 -EC41 -ES4S -EC4S	-38 -CE41 -CE42	-55 -57 -58 -100 -102	-EC61 -SC61 -SC6S	-46 -CE61 -CE62	-92 -94	-EC6W -SC6W -SC6T	-105 -CE63 -CE64	-9	-42 -85	-28 -58	-29 -32	-27 -52	-50	-51 -52	
Prefix	Option Description																	
A	Adaptor to next frame size	\$375	\$375	\$375	\$375	\$375	\$375	\$375	\$375	\$375	\$375	\$375	\$375	\$450	\$450	\$450	\$1,025	\$1,025
AA	Double Adaptor to 2nd larger frame size	\$575	\$575	\$575	\$575	\$575	\$575	\$575	\$575	\$575	\$575	\$575	\$575	\$1,025	\$1,025	\$1,025	-	-
AB	Reverse Adaptor to next smaller frame size	\$320	\$320	\$320	\$320	\$320	\$320	\$320	\$320	\$320	\$320	\$320	\$320	\$375	\$375	\$375	\$580	\$580
B	Aluminum Bronze Stat Disc Per Disc (Number of Stat Discs =# Rotating Discs-1)	\$450	-	\$450 N/A on 8700 style	\$450	-	\$450 N/A on 8700 style	\$450	-	\$450 N/A on 8700 style	-	-	\$550	\$550	-	\$645	\$645	
C	Conduit Box	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$300	-	-	-	\$300	\$300	-	\$300	\$300	
DA	Drain Hole Special	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
E	Ductile Iron Stat Discs Per Disc (Number of Stat Discs=# Rotating Discs-1)	\$130	-	\$130 N/A on 8700 style	\$130	-	\$130 N/A on 8700 style	\$130	-	\$130 N/A on 8700 style	-	-	\$160	\$160	-	-	-	
F	Foot Mounting Bracket	\$450	\$450	\$450	\$450	\$450	\$450	\$450	\$450	\$450	\$1,095	\$450	\$475	\$475	\$475	\$1,325	\$1,325	
H	Heavy Duty Friction Discs/Hardened Hub	1st Disc	\$170	\$170	\$80	\$170	\$170	\$80	\$170	\$170	\$80	\$80	\$170	\$310	\$310	\$310	\$500	\$500
		Each Add'l Disc	\$80	\$80	\$80	\$80	\$80	\$80	\$80	\$80	\$80	\$80	\$80	\$80	\$130	\$130	\$130	\$350
J	High Tensile Stud	\$145	-	-	\$145	-	-	\$145	-	-	Std.	\$145	\$145	\$145	\$145	Std.	Std.	
K	External Breather	\$250	\$250	\$250	\$250	\$250	\$250	\$250	\$250	\$250	-	\$250	\$250	\$250	\$250	\$250	\$250	
M	Marine/Maritime Duty Brake, MIL-SPEC paint per TT-P-645 & MIL-DTL-15090	\$1,420	\$1,420	\$1,420	\$1,420	\$1,420	\$1,420	-	-	-	*	Std.	\$1,795	\$1,795	Std.	\$2,130	\$2,130	
N	Marine/Maritime Duty Brake	\$630	\$630	\$630	\$630	\$630	\$630	-	-	-	*	-	\$875	\$875	-	\$1,065	\$1,065	
P	Tropical (Moisture/Fungus) Protection	\$155	\$155	\$155	\$155	\$155	\$155	\$155	\$155	\$155	\$155	\$155	\$170	\$170	\$170	\$185	\$185	
Q	Class H Insulation	\$155	Std.	\$155 Std. on 8700 style	\$155	Std.	\$155 Std. on 8700 style	\$155	Std.	\$155 Std. on 8700 style	\$155	\$155	Std.	Std.	Std.	Std.	Std.	
R	Heater (Specify voltage)	\$225	\$225	\$225	\$225	\$225	\$225	\$225	\$225	\$225	\$225	\$225	\$225	\$225	\$225	\$275	\$275	
S	Stainless Stationary Disc (Per Disc)	\$305	\$305	\$305	\$305	\$305	\$305	\$305	\$305	\$305	-	Std.	\$405	\$405	Std.	\$645	\$645	
T	Thru-Hole in cover for shaft extension	Cast Cover	\$225	\$225	-	\$300	\$300	-	**	\$300	-	-	\$225	\$300	-	\$225	\$520	
		Steel Cover	\$25	\$25	-	-	-	-	-	-	-	-	-	\$25	-	-	-	-
VO	Vertical Mount Over Motor-cost per disc	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$75	\$75	
VU	Vertical Mount Under Motor-cost per disc	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$30	\$30	\$30	\$75	\$75	
W	Electronic Wear Indicator Switch	*	*	*	*	*	*	*	*	*	-	*	*	*	*	-	-	
X	Special Modifications	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
XE	Smart Brake Encoder Option	\$2,200	\$2,200	-	\$2,200	\$2,200	-	\$2,200	\$2,200	-	-	-	\$2,270	\$2,270	-	\$2,400	\$2,400	
XS	Micro Switch (Brake Released/Engaged)	\$450	\$450	\$450	\$450	\$450	\$450	\$450	\$450	\$450	-	\$450	\$450	\$450	\$450	\$450	\$450	
XT	Tach Mounting (Cast Cover Only)	\$700	\$700	-	\$850	\$850	-	\$850	-	-	-	-	\$700	\$850	-	\$1,100	\$1,375	
Y	Manual Release Handle	-	Std.	-	-	Std.	-	-	Std.	-	-	-	-	-	-	-	-	
	Corrosion Resistant Internal Parts	\$170	*	\$170	\$170	*	\$170	Std.	*	Std.	\$170	Std.	\$245	\$245	Std.	\$340	\$340	
	Deadman Release	*	*	-	*	*	-	*	*	-	*	Std.	*	*	Std.	-	-	
	Non Standard Voltages	\$175	\$175	\$175	\$175	\$175	\$175	\$175	\$175	\$175	\$175	\$175	\$175	\$175	\$175	\$200	\$200	
	Non Standard Bore Sizes	\$210	\$210	\$210	\$210	\$210	\$210	\$210	\$210	\$210	\$210	\$210	\$250	\$250	\$250	\$335	\$335	
	External Release (Mark II Release)	\$400	-	-	\$400	-	-	-	-	-	-	-	\$425	\$425	-	-	-	
	External Release (Mark III Release)	\$325	-	-	\$325	-	-	-	-	-	-	-	\$350	\$350	-	-	-	

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