

Brake Options

A Adaptor to Next Larger Size



List Price Adders:

50 Series	\$
60 Series End Mount	\$
60 Series Double C Face	\$
60 Series Hazardous	\$
70 Series End Mount	\$
70 Series Double C Face	\$
70 Series Hazardous	\$
80 Series	\$
90 Series	\$

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

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	\$/disc
(N/A on 8700 Style)	
80 Series	\$/disc
90 Series	\$/disc

Provides extra corrosion resistance.

C Conduit Box



List Price Adders:

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

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

DD DC Voltage



List Price Adders:

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

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

Ductile iron provides greater strength for high cycle applications.

Brake Options

F Foot Mounting Bracket




List Price Adders:

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

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



Single Disc Brake

List Price Adders:


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

Additional Adders (Per Disc):

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

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

J High Tensile Stud



List Price Adders:

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

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

K External Breather



List Price Adders:

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

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

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

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	\$
70 Series	\$
80 Series	\$
90 Series	\$

Q Class H Coil Wire Insulation



List Price Adders:

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

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	\$/disc
70 Series End Mount	\$/disc
80 Series	\$/disc
90 Series	\$/disc

High quality stainless steel discs provide extra corrosion resistance.

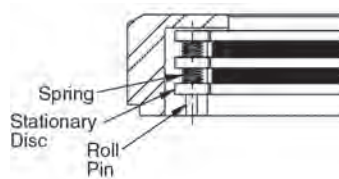
T Through Shaft



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

Special cover allows shaft to continue through the brake enclosure.

VO/VU Vertical Over/Vertical Under Mounting



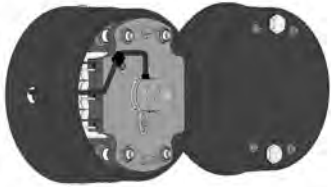
List Price Adders (Per Disc):

60 Series End Mount	\$
70 Series Vertical Over	\$
70 Series Vertical Under	\$
80 Series	\$
90 Series (NEW)	\$

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	\$
70 Series End Mount	\$
80 Series	\$
90 Series	\$

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

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	\$
70 Series End Mount NEMA 2	\$
70 Series End Mount NEMA 4	\$
80 Series End Mount NEMA 2	\$
80 Series End Mount NEMA 4	\$
(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)	
80 Series	\$

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)	
80 Series	\$

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	-	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
AA	Double Adaptor to 2nd larger frame size	-	-	-	-	-	-	-	-	-	-	\$
AB	Reverse Adaptor to next smaller frame size	-	-	\$	\$	\$	\$	\$	\$	\$	\$	\$
B	Aluminum Bronze Stat Disc (Per Disc) (Number of Stat Discs=# Rotating Discs +1)	-	-	-	-	-	-	-	-	-	-	-
C	Conduit Box	-	-	\$		\$	\$	\$				
DD	Direct Current (DC Voltage)	\$	\$	\$	-	\$	\$	\$	\$	\$	-	\$
DA	Drain Hole Special	-	-	*	-	*	*	*	*	*	-	*
E	Ductile Iron Stat Discs Per Disc (4 Post) (Number of Stat Discs=# Rotating Discs +1)	-	-	-	-	-	-	-	-	-	-	-
F	Foot Mounting Bracket	-	-	\$	\$	\$	\$	\$	\$	\$	\$	\$
H	Heavy Duty Friction Discs/Hardened Hub	1st Disc	-	-	\$	-	\$	\$	\$	\$	\$	\$
		Each Add'l Disc	-	-	\$	-	\$	\$	\$	\$	\$	\$
J	High Tensile Stud***	-	-	-	-	-	-	-	-	-	-	-
K	External Breather	-	-	-	-	-	\$	-	\$	-	-	-
M	Marine/Maritime Duty Brake with MIL-SPEC paint per TT-P-645 & MIL-DTL-15090	-	-	\$	-	\$	\$	\$	-	-	*	\$
N	Marine/Maritime Duty Brake	-	-	\$	-	\$	\$	\$	-	-	*	\$
P	Tropical (Moisture/Fungus) Protection	-	-	\$	-	\$	\$	\$	\$	\$	\$	\$
Q	Class H Insulation	-	\$	\$	\$	\$	\$	\$	\$	\$	-	\$
R	Heater (Specify voltage)	-	-	\$	-	\$	\$	\$	\$	\$	-	\$
S	Stainless Stat Disc (Per Disc) (Number of Stat Discs=# Rotating Discs +1)	-	-	\$	-	\$	\$	\$	\$	\$	-	\$
T	Thru-Hole in cover for shaft extension	Cast Cover	-	-	-	-	\$	-	**	-	-	-
		Steel Cover	-	\$	\$	-	-	-	-	-	-	\$
VO	Vertical Mount Over Motor- cost per disc	-	-	\$	\$	\$	\$	\$	\$	\$	\$	\$
VU	Vertical Mount Under Motor- cost per disc	-	-	\$	\$	\$	\$	\$	\$	\$	\$	\$
W	Electronic Wear Indicator Switch	-	-	-	-	-	-	-	-	-	-	-
X	Special Modifications	*	*	*	*	*	*	*	*	*	*	*
XE	Smart Brake Encoder Option	-	-	\$	-	-	\$	-	\$	-	-	\$
XS	Micro Switch (Brake Released/Engaged)	-	-	\$	-	\$	\$	\$	\$	\$	-	\$
XT	Tach Mounting (Cast Cover Only)	-	-	**	-	-	\$	-	\$	-	-	**
Y	Manual Release Handle	-	-	\$	-	\$	\$	\$	\$	\$	-	\$
Z	Stabilizer Clip Rotating (Per Rotating Disc)	-	\$	\$	-	Std.	\$	Std.	\$	Std.	\$	\$
	One Piece Hub/Shaft (Brakes 1-6 lb.ft. only)	-	-	-	-	\$	-	\$	-	\$	-	-
	Corrosion Resistant Internal Parts	-	-	\$	-	\$	\$	\$	Std.	Std.	\$	\$
	Deadman Release	-	Std.	-	-	-	-	-	-	-	-	-
	Non Standard Voltages	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
	Non Standard Bore Sizes	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$

*-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	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	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
AA	Double Adaptor to 2nd larger frame size	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	-	-
AB	Reverse Adaptor to next smaller frame size	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
B	Aluminum Bronze Stat Disc Per Disc (Number of Stat Discs =# Rotating Discs-1)	\$	-	\$ N/A on 8700 style	\$	-	\$ N/A on 8700 style	\$	-	\$ N/A on 8700 style	-	-	\$	\$	-	\$	\$
C	Conduit Box	\$	\$	\$	\$	\$	\$	\$	\$	-	-	-	\$	\$	-	\$	\$
DA	Drain Hole Special	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
E	Ductile Iron Stat Discs Per Disc (Number of Stat Discs=# Rotating Discs-1)	\$	-	\$ N/A on 8700 style	\$	-	\$ N/A on 8700 style	\$	-	\$ N/A on 8700 style	-	-	\$	\$	-	-	-
F	Foot Mounting Bracket	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
H	Heavy Duty Friction Discs/Hardened Hub	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
	1st Disc Each Add'l Disc	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
J	High Tensile Stud	\$	-	-	\$	-	-	\$	-	-	Std.	\$	\$	\$	\$	Std.	Std.
K	External Breather	\$	\$	\$	\$	\$	\$	\$	\$	\$	-	\$	\$	\$	\$	\$	\$
M	Marine/Maritime Duty Brake, MIL-SPEC paint per TT-P-645 & MIL-DTL-15090	\$	\$	\$	\$	\$	\$	-	-	-	*	Std.	\$	\$	Std.	\$	\$
N	Marine/Maritime Duty Brake	\$	\$	\$	\$	\$	\$	-	-	-	*	-	\$	\$	-	\$	\$
P	Tropical (Moisture/Fungus) Protection	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Q	Class H Insulation	\$	Std.	\$ Std. on 8700 style	\$	Std.	\$ Std. on 8700 style	\$	Std.	\$ Std. on 8700 style	\$	\$	Std.	Std.	Std.	Std.	Std.
R	Heater (Specify voltage)	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
S	Stainless Stationary Disc (Per Disc)	\$	\$	\$	\$	\$	\$	\$	\$	\$	-	Std.	\$	\$	Std.	\$	\$
T	Thru-Hole in cover for shaft extension	\$	\$	-	\$	\$	-	**	\$	-	-	-	\$	\$	-	\$	\$
	Cast Cover Steel Cover	\$	\$	-	-	-	-	-	-	-	-	-	\$	-	-	-	-
VO	Vertical Mount Over Motor-cost per disc	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
VU	Vertical Mount Under Motor-cost per disc	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
W	Electronic Wear Indicator Switch	*	*	*	*	*	*	*	*	*	-	*	*	*	*	-	-
X	Special Modifications	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
XE	Smart Brake Encoder Option	\$	\$	-	\$	\$	-	\$	\$	-	-	-	\$	\$	-	\$	\$
XS	Micro Switch (Brake Released/Engaged)	\$	\$	\$	\$	\$	\$	\$	\$	\$	-	\$	\$	\$	\$	\$	\$
XT	Tach Mounting (Cast Cover Only)	\$	\$	-	\$	\$	-	\$	-	-	-	-	\$	\$	-	\$	\$
Y	Manual Release Handle	-	Std.	-	-	Std.	-	-	Std.	-	-	-	-	-	-	-	-
	Corrosion Resistant Internal Parts	\$	*	\$	\$	*	\$	Std.	*	Std.	\$	Std.	\$	\$	Std.	\$	\$
	Deadman Release	*	*	-	*	*	-	*	*	-	*	Std.	*	*	Std.	-	-
	Non Standard Voltages	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
	Non Standard Bore Sizes	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
	External Release (Mark II Release)	\$	-	-	\$	-	-	-	-	-	-	-	\$	\$	-	-	-
	External Release (Mark III Release)	\$	-	-	\$	-	-	-	-	-	-	-	\$	\$	-	-	-

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