

Dings *Direct-Acting Brakes*

MARINE / MARITIME & NAVY

BUILT FOR HARSH ENVIRONMENTS

Spring-Set Disc Brakes for NEMA motor frames 56C through 405TC
Torque Ratings: 1.5 to 450 lb-ft

Features

- IP56 / NEMA 4X Enclosure
- Marine finish and plating to prevent corrosion
- Splined hub & friction disc for added durability
- Drains and heaters available to eliminate moisture
- Stainless steel or aluminum bronze component options provide additional corrosion resistance
- Cast iron or ductile iron enclosures for strength & durability
- Navy brakes designed in accordance with MIL-B-16392B
- Marine / Maritime brakes to meet the requirements of IEEE45



MARINE & MARITIME

Suitable for shipboard and other seawater environment applications

MARINE/MARITIME DUTY WITH NON-MILITARY PAINT

Specifications

- Enclosure Rating: IP56/NEMA 4X
- Compliant with IEEE 45*.
- Housing Material: Cast Iron (ductile iron optional)
- Pressure Plate: Plated Steel
- Stationary Disc: Steel
- Plated hardware
- Interior parts are zinc plated or painted.
- Hub seal included
- Manual Release is maintained with automatic reset
- Housing exterior and interior are painted with a primer and high solid epoxy paint (non-military).



*If full IEEE45 compliance is required, IEEE45 nameplate must be requested.

60 Series – 56C - 143/145TC

Torque lb-ft.	Model No.	Coil Insulation	List Price
1.5	N61001-530	B	\$
3	N61003-530	B	\$
6	N61006-530	B	\$
10	N62010-530	B	\$
15	N63015-530	B	\$
20	N63020-530	H	\$
25	N64025-530	H	\$



70 Series – 182TC - 256TC HEAVY DUTY 4 Post Design

Torque lb-ft.	Model No.	Coil Insulation	List Price
10	N71010-57	B	\$
15	N71015-57	B	\$
25	N72025-57	B	\$
35	N72035-57	B	\$
50	N73050-57	B	\$
75	N74075-57	B	\$



80 Series – 284TC/286TC HEAVY DUTY 4 Post Design

Torque lb-ft.	Model No.	Coil Insulation	List Price
25	N81025-29	H	\$
35	N81035-29	H	\$
50	N82050-29	H	\$
75	N83075-29	H	\$
105	N83105-29	H	\$
125	N84125-29	H	\$
175	N84175-29	H	\$



90 Series – 324TC-405TC HEAVY DUTY 4 Post Design

Torque lb-ft.	Model No.	Coil Insulation	List Price
125	N92125-51	H	\$
180	N92180-51	H	\$
270	N93270-51	H	\$
360	N94360-51	H	\$
450	N95450-51	H	\$



MARINE/MARITIME DUTY WITH MIL-SPEC PAINT

Per TT-P-645 & MIL-DTL-15090

Specifications

- Enclosure Rating: IP56/NEMA 4X
- Compliant with IEEE 45*.
- Housing Material: Cast Iron (ductile iron optional)
- Pressure Plate: Plated Steel
- Stationary Disc: Steel

- Plated hardware
- Interior parts are zinc plated or painted.
- Hub seal included
- Manual Release is maintained with automatic reset
- Primer and top coat per TT-P-645 & MIL-DTL-15090

*If full IEEE45 compliance is required, IEEE45 nameplate must be requested.

60 Series – 56C - 143/145TC

Torque lb-ft.	Model No.	Coil Insulation	List Price
1.5	M61001-530	B	\$
3	M61003-530	B	\$
6	M61006-530	B	\$
10	M42010-530	B	\$
15	M63015-530	B	\$
20	M63020-530	H	\$
25	M64025-530	H	\$



70 Series – 182TC - 256TC HEAVY DUTY 4 Post Design

Torque lb-ft.	Model No.	Coil Insulation	List Price
10	M71010-57	B	\$
15	M71015-57	B	\$
25	M72025-57	B	\$
35	M72035-57	B	\$
50	M73050-57	B	\$
75	M74075-57	B	\$



80 Series – 284TC/286TC HEAVY DUTY 4 Post Design

Torque lb-ft.	Model No.	Coil Insulation	List Price
25	M81025-29	H	\$
35	M81035-29	H	\$
50	M82050-29	H	\$
75	M83075-29	H	\$
105	M83105-29	H	\$
125	M84125-29	H	\$
175	M84175-29	H	\$



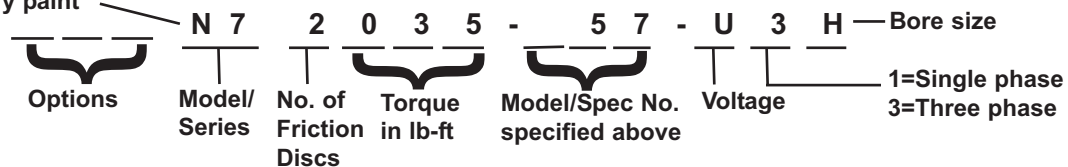
90 Series – 324TC-405TC HEAVY DUTY 4 Post Design

Torque lb-ft.	Model No.	Coil Insulation	List Price
125	M92125-51	H	\$
180	M92180-51	H	\$
270	M93270-51	H	\$
360	M94360-51	H	\$
450	M95450-51	H	\$



N = Non-military paint
M = Military paint

Model Number Example



OPTIONS Description	Prefix	List Price Adder			
		Series			
		60	70	80	90
Class H insulation	Q	\$	\$	Std	Std
Space heater	R	\$	\$	\$	\$
Breather drain	K	\$	\$	\$	\$
Tropical protection	P	\$	\$	\$	\$
Stainless steel stationary disc (add per disc)	S	\$	\$	\$	\$
Stainless hardware	X	\$	\$	\$	\$
Heavy duty friction discs and hardened hub	H	\$	\$	\$	\$
		\$	\$	\$	\$
Ductile iron enclosure	X	\$	\$	\$	\$

Standard Voltages:	
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

Standard Hub Bore Sizes:		
Suffix	Size	Series
D	5/8"	60
F	7/8"	60,70,80
H	1 1/8"	70,80
J	1 1/4"	70,80
K	1 3/8"	70,80
M	1 5/8"	70,80
N	1 7/8"	80
O	2 1/8"	90
P	2 3/8"	90
Q	2 7/8"	90

NAVY- Designed in accordance with Military Specifications

Specifications

- Conforms to MIL-B-16392 specifications
- Aluminum bronze stationary disc
- Primer & top coat per TT-P-645 & MIL-DTL-15090
- NEMA 4/ IP56 Enclosure
- Ductile iron construction
- Non-maintained (Deadman) release
- Torque adjustable
- No disassembly required for mounting



70 Series Frame Sizes 182TC through 256TC



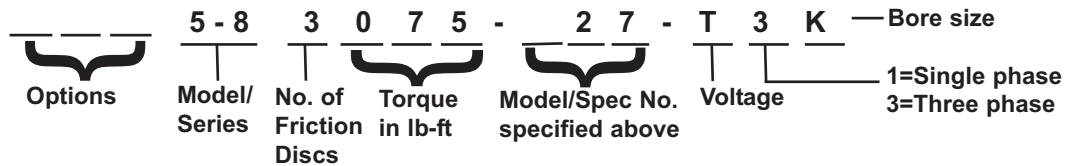
Torque lb.-ft.	Model #	Wt. Lbs.	Thermal Capacity HPS/MIN	Inertia WK ² Lb.Ft. ²	List Price
3	5-71003-42	54	11	0.028	\$
10	5-71010-42	54	11	0.028	\$
15	5-71015-42	54	11	0.028	\$
25	5-72025-42	58	12	0.051	\$
35	5-72035-42	58	12	0.051	\$
50	5-73050-42	62	13	0.075	\$
75	5-74075-42	66	14	0.099	\$

80 Series Frame Sizes 284TC and 286TC



Torque lb.-ft.	Model #	Wt. Lbs.	Thermal Capacity HPS/MIN	Inertia WK ² Lb.Ft. ²	List Price
25	5-81025-27	80	15	0.084	\$
35	5-81035-27	80	15	0.084	\$
50	5-82050-27	85	17	0.158	\$
75	5-83075-27	90	19	0.233	\$
90	5-83090-27	90	19	0.233	\$
135	5-84135-27	97	21	0.309	\$
180	5-85180-27	104	21	0.384	\$

Model Number Example



OPTIONS Description	Prefix	List Price Adder Series	
		70	80
Class H insulation	Q	\$	\$
Space heater	R	\$	5
Breather drain	K	\$	\$

Standard Voltages:	
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

Standard Hub Bore Sizes:		
Suffix	Size	Series
F	7/8"	70,80
H	1 1/8"	70,80
J	1 1/4"	70,80
K	1 3/8"	70,80
M	1 5/8"	70,80
N	1 7/8"	80



DIRECT-ACTING

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Over 100 Years of Excellence