



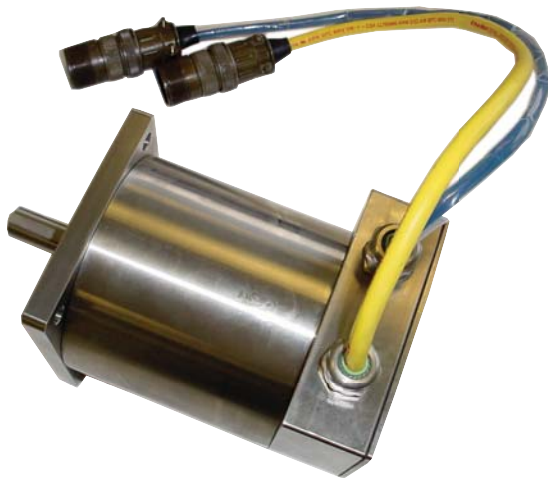
ITT

Cleveland Motion Controls



Flexible, simple, economical

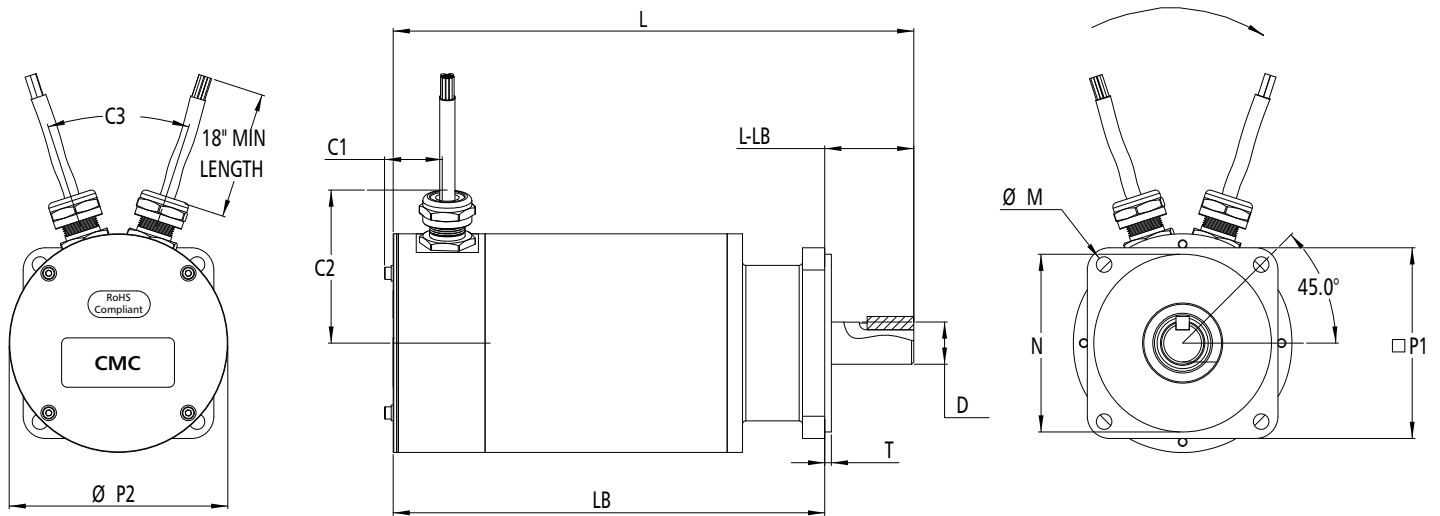
MDM Stainless Steel Series Product Guide



The MDM Stainless Steel product line, is based upon CMC’s industry leading MDM technology, which provides energy efficient servo motors in popular industry standard frame size configurations. This new motor offering is ideal for use in food, beverage, dairy, pharmaceutical and personal care manufacturing and equipment applications.

CMC engineers designed the MDM Stainless Steel Series to meet the needs of users and customers in need of cost effective sterile and hygienic applications.

FEATURES	BENEFITS
Factory sealed cabling to simplify installation.	Minimizing installation and setup time
Full IP 67 Compliance with shaft seals	Maintains internal integrity and corrosion resistance in washdown environments
Complete conformance to UL/ CUL and CE Standards across the entire product line	Required industry defined standards conformance
Thermostats on motor windings is standard for all configurations	Protection circuitry meets industry requirements
Customized mounting and shaft options are available	Enables more flexible design options, and retrofit support
Optional encoder line counts up to 5,000 ppr available for all configurations	Performance enhancement and feature convenience that allows CMC motors to be incorporated into a broader range of applications
Optional resolver feedback available for all frame sizes	Flexible feedback configurations provide more choices for demanding applications

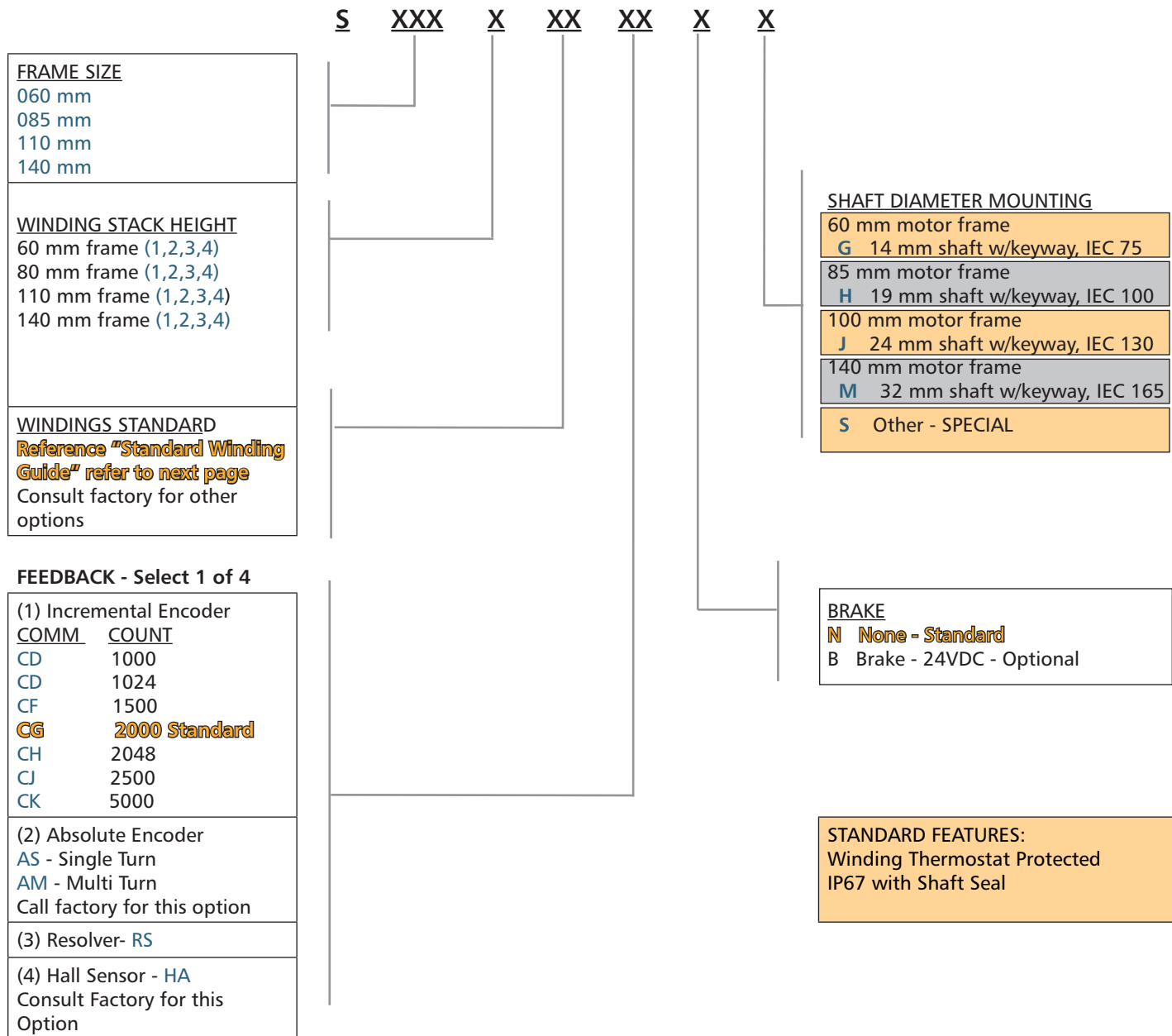


Platform Number	IEC Flange Number	N	M	T	Shaft		L	LB	L-LB	C1	C2	C3	P1	P2	CONT Stall Torque	Peak Torque
					D	Key									Nm	Nm
S0601	F75	60	4 x 5.8 @ 75 BCD	2.5	14	5x5x16	140	110	30	21	56	43	68	75	0.36	2.3
S0602							159	129							0.60	4.0
S0603							178	148							0.83	5.3
S0604							197	167							1.02	6.3
S0851	F100	80	4 x 7 @ 100 BCD	3	19	6x6x21	205.1	165	40.1	27.9	69	36	86	98.4	1.50	5.8
S0852							234.1	194							2.46	10.5
S0853							263.1	223							3.49	14.7
S0854							292.1	252							4.32	18.3
S1101	F130	110	4 x 10 @ 130 BCD	3.5	24	8x7x27	237	187	50	25.9	81	32	114	123.2	3.57	10.7
S1102							268	218							6.02	19.8
S1103							299	249							7.87	26.8
S1104							330	280							9.89	33.9
S1402	F165	130	4 x 12 @ 165 BCD	3.5	32	10x8x32	289.3	231.3	58	30	103	22	140	165	9.80	42.7
S1403							314.3	256.3							13.10	53.8
S1404							339.3	281.3							15.70	94.9
S1405							364.3	306.3							19.36	118.5

NOTE: STANDARD IEC TOLERANCES APPLY
 DIMENSIONS REPRESENT MOTOR-ENCODER OR MOTOR-RESOLVER WITHOUT BRAKE
 ALL DIMENSIONS ARE IN MM



MDM S-SERIES (STAINLESS STEEL) ORDERING GUIDE



Example Part Number Setup: **S0853-E0-CG-B-H**



STANDARD WINDING GUIDE

Winding Designators: Back EMF Constant (Vpeak/Krpm)

X0 = 7.5	T0 = 10	U0 = 12.5	P0 = 15	A0 = 20	R0 = 25
B0 = 30	C0 = 40	D0 = 50	E0 = 60	F0 = 70	G0 = 80
H0 = 90	J0 = 100	K0 = 120	L0 = 140	M0 = 160	

MDM-S 5000 (Stainless Steel) Winding Option

Vac	Vdc	S0601	S0602	S0603	S0604
28	40	X0, T0, U0, P0	X0, T0, U0, P0, A0	X0, T0, U0, P0, A0	X0, T0, U0, P0, A0
56	80	U0, P0, A0, R0, B0	U0, P0, A0, R0, B0, C0	P0, A0, R0, B0, C0	P0, A0, R0, B0, C0
115	160	R0, B0, C0, D0	R0, B0, C0, D0	B0, C0, D0	B0, C0, D0, E0, F0, G0
230	325	D0	D0	E0, F0	E0, F0, G0
400	560	N/A	N/A	N/A	N/A
460	640	N/A	N/A	N/A	G0

Vac	Vdc	S0851	S0852	S0853	S0854
28	40	X0, T0, U0, P0, A0, R0	T0, U0, P0, A0, R0	A0, R0, B0	A0, R0, B0
56	80	P0, A0, R0, B0, C0, D0	P0, A0, R0, B0, C0, D0	A0, R0, B0, C0, D0, E0	A0, B0, C0, D0, E0
115	160	B0, C0, C6, C0, D0, E0, F0, G0	B0, C0, D0, E0, F0, G0, J0	B0, C0, D0, E0, F0, G0, J0, K0	B0, C0, D0, E0, F0, G0, J0, K0
230	325	E0, F0, G0, J0, K0, L0, M0	E0, F0, G0, H0, J0, K0, L0, M0	E0, F0, G0, J0, K0, L0, M0	F0, G0, J0, K0, L0, M0
400	560	J0, K0, L0, M0	J0, K0, L0, M0	K0, L0, M0	K0, L0, M0
460	640	K0, L0, M0	K0, L0, M0	K0, L0, M0	K0, L0, M0

Vac	Vdc	S1101	S1102	S1103	S1104
28	40	A0, R0, B0	A0, R0, B0	N/A	N/A
56	80	A0, R0, B0, C0, D0, E0	A0, B0, C0, D0, E0	N/A	N/A
115	160	B0, C6, C0, D0, E0, F0, G0, H0, J0, K0	C0, D0, E0, F5, F0, G0, H0, J0, K0	D0, E0, F0, G5, G0, H0, J0	E0, F0, G5, G0, H0, J0
230	325	E0, F0, G0, H0, J0, K0	F0, G0, H0, J0, K0, L0, M0	E0, F0, G5, G0, H0, J0, K0	E0, F0, G5, G0, H0, J0, K0
400	560	K0	K0, L0, M0	J0, K0, L0, M0	J0, K0, L0, M0
460	640	K0	L0, M0	K0, L0, M0	K0, L0, M0

Vac	Vdc	S1402	S1403	S1404	S1405
28	40	N/A	N/A	N/A	N/A
56	80	N/A	N/A	N/A	N/A
115	160	E0, F0, G5, G0, H0, J0, K0	F0, G5, G0, H0, J0, K0	H0, J0	N/A
230	325	E0, F0, G5, G0, H0, J0, K0, L0, M0	E0, F0, G5, G0, H0, J0, K0	H0, J0, K0, L0, M0	J0, K0, L0, M0
400	560	J0, K0, L0, M0	J0, K0, L0, M0	J0, K0, L0, M0	K0, L0, M0
460	640	K0, L0, M0	K0, L0, M0	K0, L0, M0	L0, M0

CONSULT FACTORY FOR OTHER OPTIONS

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