

SEM BRUSHLESS AC SERVOMOTORS

The low inertia HDM series of compact servomotors offer premium performance in all applications where space constraints apply.

HDM Series – Low inertia servomotors ideal for applications requiring high dynamic performance.

FRAME SIZE	HDM	VOLTAGE GRADIENT AVAILABILITY								
HDM 82	A	9	15	24	30	47	60			
	C	11	14	22	28	44	63	98		
	E		17	19	30	38	64	76	120	
	J				33	40	56	80	116	
HDM 105	A			18	31	44	72	89	140	
	C			27	39	54	77	90	135	156
	E				40	51	64	81	104	135
	G					55	69	90	120	
HDM 142	A				34	54	75	107	150	
	C						76	107	152	
	E							92	147	204
	J								137	214

Other voltage gradients may be available. Please contact SEM for further information.

OPTIONS

STANDARD / OPTIONAL FEATURES		SERVOMOTOR TYPE		
DESCRIPTION	OPTIONS	HDM82	HDM105	HDM142
WAVEFORM	SINUSOIDAL	■	■	■
MECHANICAL	FLANGE MOUNTED	■	■	■
	ENCLOSED KEYWAY	■	■	■
	PLAIN SHAFT	●	●	●
	IP65 (IP64 AT SHAFT WITH SHAFT SEAL FITTED)	●	■	■
	IP65 (IP50 AT SHAFT WITH SHAFT SEAL SUPPLIED LOOSE)	■	●	●
	ALTERNATIVE SHAFT AND FLANGE OPTIONS	●	●	●
ELECTRICAL CONNECTION	RADIAL INTERCONNECTOR CONNECTORS (SIDE FACING)	●	●	●
	AXIAL INTERCONNECTOR CONNECTORS (FORWARD FACING)	○	■	■
	AXIAL INTERCONNECTOR CONNECTORS (REAR FACING)	○	●	●
	AXIAL M17 CONNECTORS (FORWARD FACING)	●	●	○
	AXIAL M17 CONNECTORS (REAR FACING)	■	●	○
	FLYING LEADS	●	●	○
	FLYING LEADS WITH INTERCONNECTOR CONNECTORS	○	○	○
	COUNTERPART CONNECTORS	●	●	●
HOLDING BRAKE, 24V D.C. FAILSAFE	SPRING APPLIED	●	●	●
	PERMANENT MAGNET (ZERO BACKLASH)	●	●	●
FEEDBACK DEVICE	2 POLE RESOLVER	■	■	■
	INCREMENTAL ENCODER WITH BLOCK COMMUTATION	▲	▲	▲
	HEIDENHAIN ABSOLUTE ENCODER WITH ENDAT INTERFACE	▲	▲	▲
	OTHER SINGLE OR MULTITURN ABSOLUTE ENCODER	▲	▲	▲

■ STANDARD FEATURE ▲ OPTION WITH INCREASED MOTOR LENGTH
● OPTION ○ OPTION NOT AVAILABLE

FOR OPTIONS NOT INCLUDED IN THE ABOVE LIST, PLEASE CONTACT SEM



HDM105C10 with axial interconnector connectors (forward facing)



HDM82C with M17 connectors (rear facing)



HDM82C with radial interconnector connectors (side facing)



HDM SERIES

Low Inertia Compact AC Servomotors



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