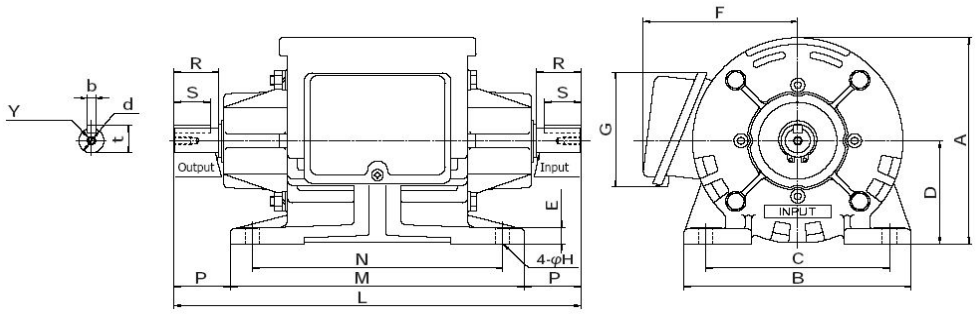
MP

EM Clutch/Brake Unit

Types: 120, 250, 500

[EM: Electromagnet]



MP		120	250	500
Static Torque [in-lbs / N-m]		106 / 12	221 / 25	443 / 50
Coil (20°C)	Voltage [DC-V]	5.04	5.15	5.22
	Current [A]	3*	5*	6*
	Resistance [Ω]	1.68	1.03	0.87
	Wattage [W]	15	25	30
Max Work Rate [W]		23	38	49
Max Allowable Speed [rpm]		1500	1000	1000
Max Overhanging Load[1] [lbs / N]		173 / 770	173 / 770	225 / 1000
Moment of Inertia (J) [kg-cm²]	Input	3.5	9.25	24.2
	Output	6.25	16.7	49
Max Wear Volume [cm^3]		6	11	22.5
Max Work Rate [W]		23	38	49
Bore [mm]	d_{h7}	15	20	25
Key Way [mm]	b_{h8}	5	5	7
	$t_{+0/-0.20}$	17	22	28
Dimensions [mm]	A	126	157	197
	B	136	156	190
	C	110	130	160
	D	63	80	102
	E	10	12	15
	F	98	112	130
	G	71	71	71
	H	8.5	8.5	11
	L	244	277	320
	M	176	191	220
	N	150	165	190
	P	34	43	50
	R	27	36	45
	S	22	31	40
	Y	M5-10	M6-12	M8-16
Weight [lbs / kg]		11 / 5	18 / 8	33 / 15

[Note 1 : At shaft midpoint; based on 600rpm/10000hr application] [1" = 25.4mm]

* Coil voltage varies per unit size. A special power supply is required because of the special low voltage coils that are used to achieve over-excitation in these units.

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