

Motor Selection Table

ELECTRIC ACTUATOR



Motor compatibility (Actuator for *WITHOUT MOTOR*)

Model	METG			METS2			METS	METI			MEQG		MEQI				
Size	4	5	8	10	14	17	22	32	40	50	5	8	32	40	50	63	80
M-50W	○			○				○	○				○	○			
M-100W	○	○		○				○	○		○		○	○			
M-200W			○	○	○	○				○		○			○	○	
M-400W			○	○	○	○				○		○			○	○	
M-750W						○	○										○
P-50W	○			○				○	○				○	○			
P-100W	○	○		○				○	○		○		○	○			
P-200W			○	○	○	○				○		○			○	○	
P-400W			○	○	○	○				○		○			○	○	
P-750W						○	○										○
S-□42								①	①				①	①			
S-□56										①					①	①	
B-□42								②	②				②	②			
B-□56										②					②	②	

* Compatibility controller: ① CK10: Torque type ② CM20: Positioning type



Motor compatibility (Actuator for *WITH MOTOR*)

Model	MESS2		MESH2		MESF2		MEHC2		MEHC3		MESBE				MERE		
Size	16	25	16	20	16	20	16	25	16	25	32	50	63	80	10	30	50
□20	①②③		①②③		①②③		①		④						①②		
□25		②③				②③											
□28		①		①②③				①		④						①②	
□35											①②						
□42												①②					①②
□56													①②				
□60														①			

Model	MEGS		MEJQ	
Size	16	20	16	20
□25	②③		②③	
□28	①		①	
□35		①②③		①②③

* Compatibility controller

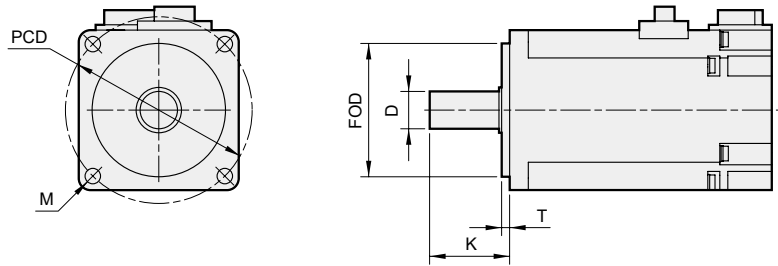
- ① CK10 Torque type
- ② CM20 Positioning type
- ③ CM10 Pulse and open loop type
- ④ CL10 Integrated motor and controller

Motor Selection Table – for *WITHOUT MOTOR*

ELECTRIC ACTUATOR



Servo motors brand & Dimensions



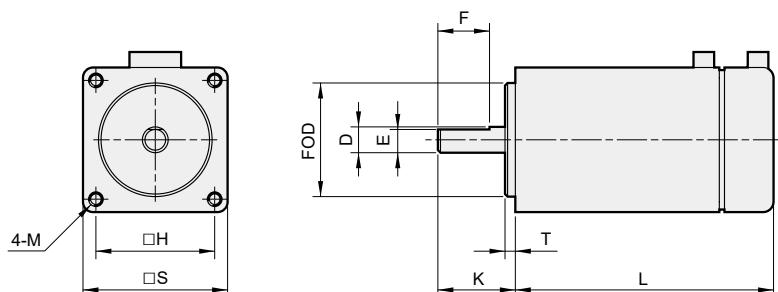
Brand	Mark	Rated output	Motor model (Without brake)	Motor model (With brake)	Shaft type D: D-cut K: Key seat	Installation dimensions (mm)						
						PCD	M	FOD	T	D	K	
Mitsubishi	M	50W	HG-KR053D	HG-KR053BD	D	ø46	2-ø4.5	ø30	2.5	ø8	25	
		100W	HG-KR13JD	HG-KR13BJD	D	ø46	4-ø4.5	ø30	2.5	ø8	25	
		200W	HG-KR23JK	HG-KR23BJK	K	ø70	4-ø5.8	ø50	3.0	ø14	30	
		400W	HG-KR43JK	HG-KR43BJK	K	ø70	4-ø5.8	ø50	3.0	ø14	30	
		750W	HG-KR73JK	HG-KR73BJK	K	ø90	4-ø6.6	ø70	3.0	ø19	40	
Yaskawa		50W	SGM7J-A5A7A61	SGM7J-A5A7A6C	K	ø46	2-ø4.3	ø30	2.5	ø8	25	
		100W	SGM7J-01A7A61	SGM7J-01A7A6C	K	ø46	2-ø4.3	ø30	2.5	ø8	25	
		200W	SGM7J-02A7A61	SGM7J-02A7A6C	K	ø70	4-ø5.5	ø50	3.0	ø14	30	
		400W	SGM7J-04A7A61	SGM7J-04A7A6C	K	ø70	4-ø5.5	ø50	3.0	ø14	30	
		750W	SGM7J-08A7A61	SGM7J-08A7A6C	K	ø90	4-ø7.0	ø70	3.0	ø19	40	
Delta		50W	ECMA-C1040FRS	ECMA-C1040FSS	K	ø46	2-ø4.5	ø30	2.5	ø8	25	
		100W	ECMA-C10401RS	ECMA-C10401SS	K	ø46	4-ø4.5	ø30	2.5	ø8	25	
		200W	ECMA-C10602RS	ECMA-C10602SS	K	ø70	4-ø5.5	ø50	3.0	ø14	30	
		400W	ECMA-C10604RS	ECMA-C10604SS	K	ø70	4-ø5.5	ø50	3.0	ø14	30	
		750W	ECMA-C10807RS	ECMA-C10807SS	K	ø90	4-ø6.6	ø70	3.0	ø19	35	
Panasonic		P	50W	MSMF5AZL1U2	MSMF5AZL1V2	K	ø45	2-ø3.4	ø30	3.0	ø8	25
			100W	MSMF012L1U2	MSMF012L1V2	K	ø45	4-ø3.4	ø30	3.0	ø8	25
			200W	MSMF022L1U2	MSMF022L1V2	K	ø70	4-ø4.5	ø50	3.0	ø11	30
			400W	MSMF042L1U2	MSMF042L1V2	K	ø70	4-ø4.5	ø50	3.0	ø14	30
			750W	MSMF082L1U2	MSMF082L1V2	K	ø90	4-ø6.0	ø70	3.0	ø19	35

* The values in the above table are for reference only. Please refer to each manufacturer's catalog for actual and detailed dimensions.

* If your inquiry is not listed in the above table, please contact us.



Stepper motors brand & Dimensions



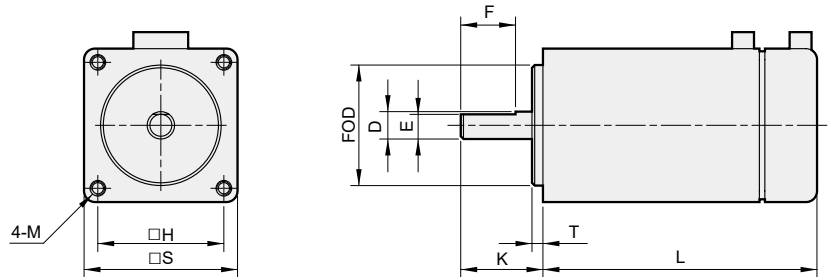
Brand	Mark	Frame size	Motor model (Without brake)	Compatible controller	Outline dimensions (mm)		Installation dimensions (mm)							
					S	L	H	M	FOD	T	D	K	E	F
Mindman	S	□42/ NEMA 17	SM-42L-F	CK10	42	63	31	M3×0.5 depth 4.5 min	ø22	2	ø5	24	4.5	20
		□56/ NEMA 23	SM-56L-F		57	92	47.14	ø5 thru	ø38.1	1.6	ø6.35	20	5.8	15
	B	□42/ NEMA 17	BM-42M	CM20	42	58	31	M3×0.5 depth 4 min	ø22	2	ø5	20	4.5	15
		□56/ NEMA 23	BM-56L		57	87	47.14	ø4.5 thru	ø38.1	1.6	ø8	24	7.5	20

Motor Selection Table – for WITH MOTOR

ELECTRIC ACTUATOR



Mindman



Stepper motors brand & Dimensions

Brand	Mark	Frame size	Motor model (Without brake)	Compatible controller	Encoder	Outline dimensions (mm)		Installation dimensions (mm)							
						S	L	H	M	FOD	T	D	K	E	F
Mindman	S	□20/ NEMA 8	SM-20L-F	CK10	Yes	20	53	16	M2×0.4 depth 2.5 min	ø16	1.5	ø4	10	3.5	7
		□28/ NEMA 11	SM-28L-F			28	63.6	23	M2.5×0.45 depth 2.5 min	ø22	2	ø5	15	4.5	10
		□35/ NEMA 14	SM-35L-F			35	60	26	M3×0.5 depth 4.5 min	ø22	2	ø5	20	4.5	11
		□42/ NEMA 17	SM-42L-F			42	63	31	M3×0.5 depth 4.5 min	ø22	2	ø5	24	4.5	20
		□56/ NEMA 23	SM-56L-F			57	92	47.14	ø5 thru	ø38.1	1.6	ø6.35	20	5.8	15
		□60/ NEMA 24	SM-60L-F			60	101	50	ø5 thru	ø36	1.6	ø8	20.6	7.5	15
	B	□20/ NEMA 8	BM-20M	CM20	Yes	20	56	16	M2×0.4 depth 2.5 min	ø15	1.5	4	10	3.5	7
		□25/ NEMA 10	BM-25M			25	50.5	20	M2.5×0.45 depth 3.0 min	ø15	1.5	ø5	15	4.5	10
		□28/ NEMA 11	BM-28M			28	50.5	23	M2.5×0.45 depth 5.5 min	ø22	1.5	ø5	15.7	4.5	10
		□35/ NEMA 14	BM-35M			35	61	29	M3×0.5 depth 4.0 min	ø22	2	5	20	–	–
		□42/ NEMA 17	BM-42M			42	58	31	M3×0.5 depth 4.0 min	ø22	2	ø5	20	4.5	15
		□56/ NEMA 23	BM-56L			57	87	47.14	ø4.5 thru	ø38.1	1.6	ø8	24	7.5	20
	OB	□20/ NEMA 8	OBM-20M	CM10	No	20	40.5	16	M2×0.4 depth 2.5 min	ø15	1.5	ø4	10	3.5	7
		□25/ NEMA 10	OBM-25M			25	40.5	20	M2.5×0.45 depth 3.0 min	ø15	1.5	ø5	15	4.5	10
		□28/ NEMA 11	OBM-28M			28	40.5	23	M2.5×0.45 depth 5.5 min	ø22	1.5	ø5	15.7	4.5	10
		□35/ NEMA 14	OBM-35M			35	51	29	M3×0.5 depth 3 min	ø22	2	ø5	20	–	–