

YMS45



Ordering method

YMS45					ERCX			
Model	Lead designation	Brake	Stroke	Cable length^{Note 1}	Controller	Usable for CE	Network option	Battery
	12: 12mm 6: 6mm	No entry: No brakes BK: Brakes provided	50 to 200 (50mm pitch)	3L: 3.5m (Standard) 5L: 5m 10L: 10m		No entry: Standard E: CE marking	No entry: None CC: CC-Link DN: DeviceNet PB: Profibus EN: Ethernet	No entry: None B1: 700mAh (Standard) B2: 200mAh
					ERCX (3A) ^{Note}			
					Controller	I/O connector specification		
						CN1: I/O flat cable 1m (Standard) CN2: Twisted-pair cable 2m (pulse train function)		

Note 1. The robot cable is standard cable, but can be changed to bend-resistant cable. (consult factory)

Specifications

AC servo motor output (W)	30	
Repeatability (mm)	+/-0.02	
Deceleration mechanism	Ball screw $\phi 8$ (Class C10)	
Ball screw lead (mm)	12	6
Maximum speed (mm/sec)	600	300
Maximum payload (kg)	Horizontal	4.5
	Vertical	1
Rated thrust (N)^{Note 1}	32	64
Stroke (mm)	50 to 200 (50mm pitch)	
Cable length (m)	Standard: 3.5 / Option: 5,10	
Linear guide type	-	
Position detector	Resolvers	
Resolution (Pulse/rotation)	16384	

Note 1. Be sure that radial loads are not applied to the rod.

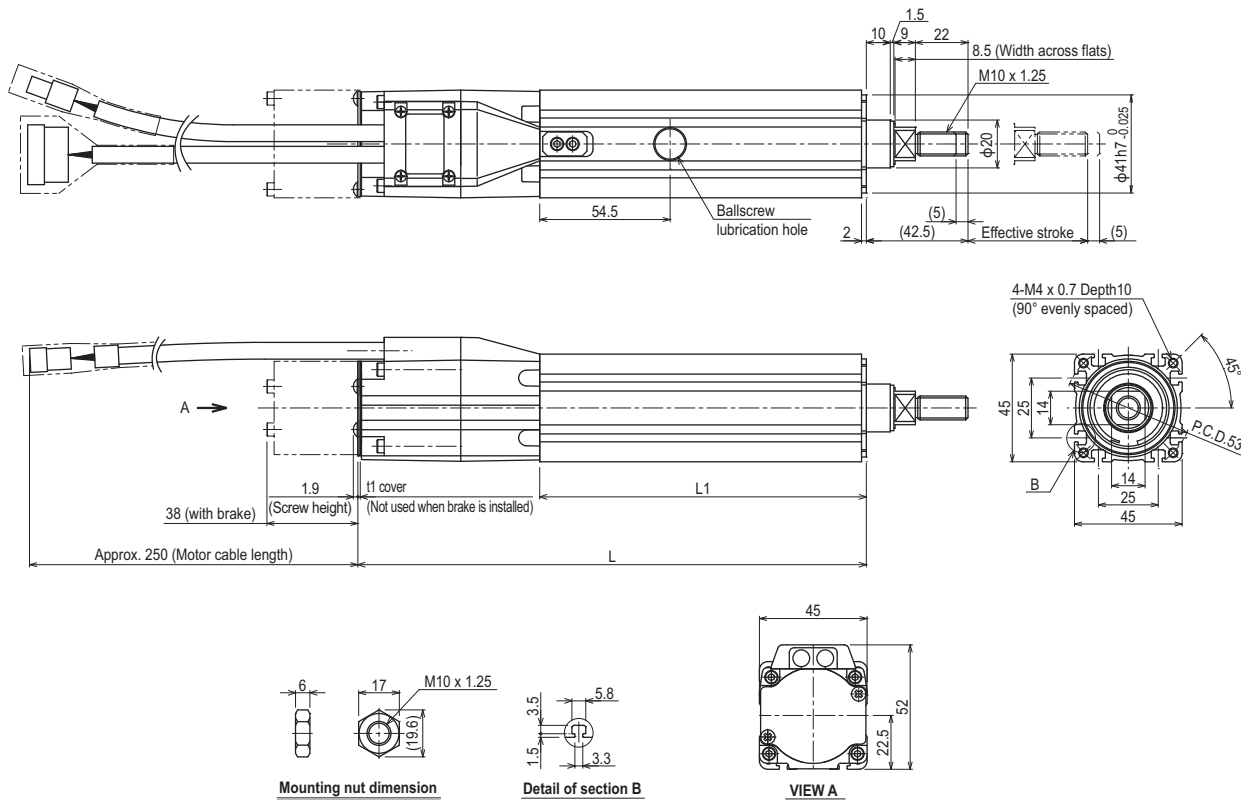
Note 2. The thrust control accuracy is not guaranteed.

Controller

Controller	Operation method
ERCX	Pulse train control / Programming / I/O point trace (BCD)/ Remote command / Operation using RS-232C communication
ERCX (3A) ^{Note}	Programming / I/O point trace (BCD)/ Remote command / Operation using RS-232C communication

Note 1. This is the required power supply capacity. An insufficient power supply capacity can reduce performance.

YMS45 Brakes provided type



Effective stroke	50	100	150	200
L1	136.5	186.5	236.5	286.5
L	212.5	262.5	312.5	362.5
Weight (kg)^{Note}	1.1	1.3	1.5	1.7

Note 1. Weight of models with no brake. The weight of brake-attached models is 0.2 kg heavier than the models with no brake shown in the table.