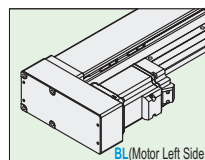
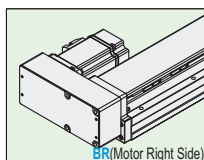
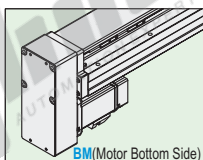
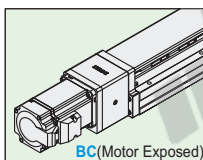


◀ YCTY8 Series

Built-in Guide Series, General Environment

Code	Base		Guide		Slider		Cover		Operating Ambient
	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	
YCTY8	Aluminum Alloy	Anodize	Alloy Steel	—	Aluminum Alloy	—	Aluminum Alloy	Anodize	0~40℃ 35~85%RH No Condensation

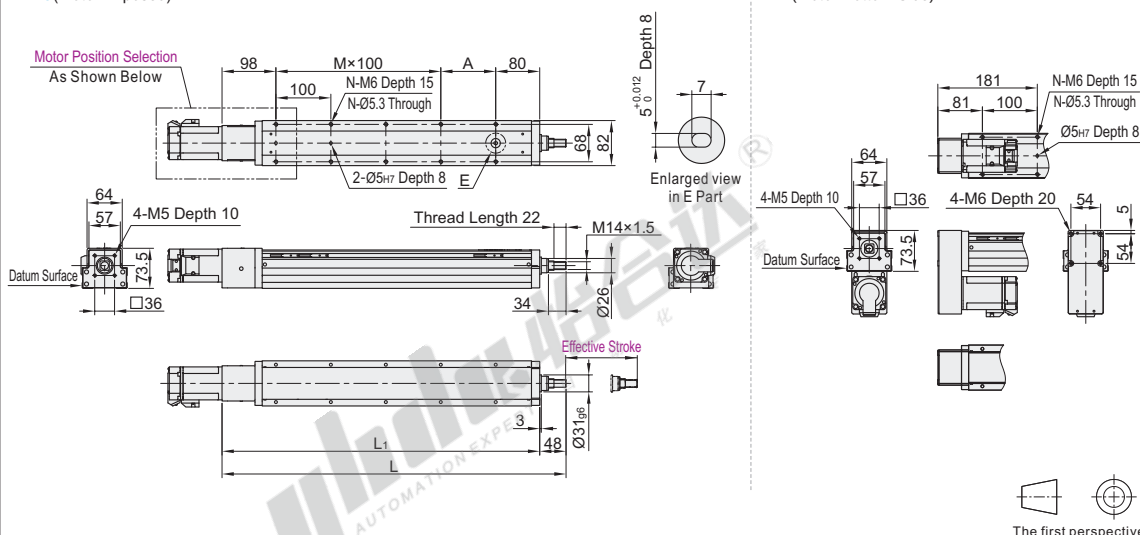
 This product does not include a motor, the motor must be purchased separately.



Motor Position :

BC(Motor Exposed)

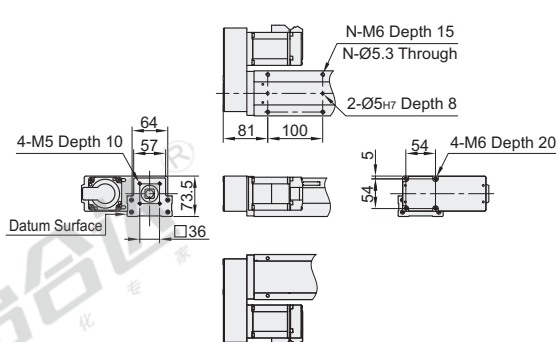
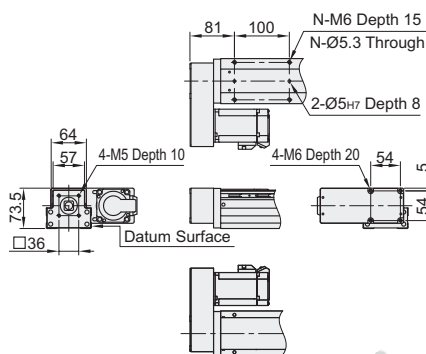
BM(Motor Bottom Side)



 Motor Position Selection

BR(Motor Right Side)

BL(Motor Left Side)



Part Number		Effective Stroke (50 mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
Code	Ball Screw Lead							
YCTY8	5	50~800 Non-standard stroke can be customized	BC(Motor Exposed)	P(Panasonic) Y(Yaskawa)	20(200W Servo) 57(57 Stepping)	N(Without Brake) B(With Brake)	Out Side C(Motor Side)	Out Side 3(1 Pc)
	10		BM(Motor Bottom Side) BR(Motor Right Side)	M(Mitsubishi) T(Delta)	57 Stepping Only applicable to Leadshine brand.	I If the sliding table is used vertically, please choose the belt brake motor.	D(OppoSite Motor Side)	4(2 Pcs)
	20		BL(Motor Left Side)	H(Inovance) L(Leadshine)		No Sensor E(No Sensor)	No Sensor 5(No Sensor)	

Single Axis Robots

YCTY8 Series

Built-in Guide Series, General Environment

Specification

Recommended Motor Output			57 Stepping			200W Servo		
Spec	Positioning Repeatability(mm)		±0.01			±0.01		
	Ball Screw Lead(mm)		5	10	20	5	10	20
	Max Speed(mm/s)		250	500	1000	250	500	1000
	Maximum	Horizontal(Note 2)	50	30	12	50	30	12
	Payload(kg)	Vertical	15	8	2.5	15	8	2.5
	Rated Thrust(N)		683	341	174	683	341	174
	Effective Stroke(mm)		50~800(50mm Pitch)					
Parts	Ball Screw O.D.(mm)		16					
	Couplings		10×14/11(Note1)					
	Home Sensor	Out Side	EE-SX674(NPN)					

Explanation

- The actual load shall meet the following conditions:
(a) Meet the maximum load condition in the "Specification" table.
(b) Satisfy the torque condition in the "allowable Moment" table if beyond the conditions of use will greatly reduce the life of the slide table.
- The data in the table is based on the rated life of 10000km.
- The repeated positioning accuracy in the table is a unidirectional value.
- The maximum speed of the lead screw drive slider is reached after a certain travel. Need to be reduced. In order to avoid the resonance of the sliding table, different travel corresponding please refer to the table below for the maximum speed.
- Rated acceleration of the slide table is 0.3G, and the short-stroke slide table may not work reach top speed.
- If the sliding table is used vertically, please choose the belt brake motor.

① When the stroke is over 750mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstances.

① Note 1: Motor (200W) Shaft Diameter: Panasonic: 11mm; Other: 14mm.

① Note 2: Under this load condition, auxiliary slide rails are required to withstand the radial load.

① Please contact us for OMRON Brand or PNP Sensor.

Dimension Table

Motor Position	Dimension	Stroke															
		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
BC (Motor Exposed)	L	376	426	476	526	576	626	676	726	776	826	876	926	976	1026	1076	1126
	L ₁	328	378	428	478	528	578	628	678	728	778	828	878	928	978	1028	1078
	A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
	M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
	Weight(kg)※	5.08	5.44	5.81	6.17	6.54	6.9	7.27	7.63	8	8.36	8.73	9.09	9.46	9.82	10.19	10.55
BM (Motor Bottom Side)	L	359	409	459	509	559	609	659	709	759	809	859	909	959	1009	1059	1109
	L ₁	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011	1061
	A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
	M	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7
	N	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18
	Weight(kg)※	5.82	6.17	6.53	6.88	7.24	7.59	7.95	8.3	8.66	9.01	9.37	9.72	10.08	10.43	10.79	11.14
BR (Motor Right Side)	L	359	409	459	509	559	609	659	709	759	809	859	909	959	1009	1059	1109
	L ₁	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011	1061
	A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
	M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
	Weight(kg)※	5.82	6.17	6.53	6.88	7.24	7.59	7.95	8.3	8.66	9.01	9.37	9.72	10.08	10.43	10.79	11.14
BL (Motor Left Side)	L	359	409	459	509	559	609	659	709	759	809	859	909	959	1009	1059	1109
	L ₁	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011	1061
	A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
	M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
	Weight(kg)※	5.82	6.17	6.53	6.88	7.24	7.59	7.95	8.3	8.66	9.01	9.37	9.72	10.08	10.43	10.79	11.14

※ Not include motor weight.

List of servo motor which should be matched

Brand	Motor Mark	Brake	Watt	Servo Motor Model	Driver Model
Panasonic	P	Without Brake(Horizontal)	200W	MSMF022L1U2M	MADLN15SE
		With Brake(Vertical)	200W	MSMF022L1V2M	
Mitsubishi	M	Without Brake(Horizontal)	200W	HG-KN23J-S100	MR-JE-20A
		With Brake(Vertical)	200W	HG-KN23BJ-S100	
Delta (B2)	T	Without Brake(Horizontal)	200W	ECMA-C20602RS	ASD-B2-0221-B
		With Brake(Vertical)	200W	ECMA-C20602SS	

① Please consult our staff for other types of motor .

① The models listed in the table are motor and driver models sold on our official website. Only modular mechanical parts are provided for standard single axis robot models , without motors and drivers.

Part Number Code	Ball Screw Lead	Effective Stroke (50mm Inc.)	Motor Position Selection	Motor Brand	Motor Output	Brake	Home Sensor	Limit Sensor
YCTY8	5	50~800	BC(Motor Exposed) BM(Motor Bottom Side)	P(Panasonic) Y(Yaskawa) M(Mitsubishi)	20(200W Servo) 57(57 Stepping)	N(Without Brake) B(With Brake)	C(Motor Side) D(Opposite Motor Side)	Out Side 3(1 Pc) ④(2 Pcs)

YCTY8 — 10 — 550 — BM — M — 20 — N — C — 4



Discount price	
Per Price	1~4 5~ Additional quotation



Delivery	
13	