



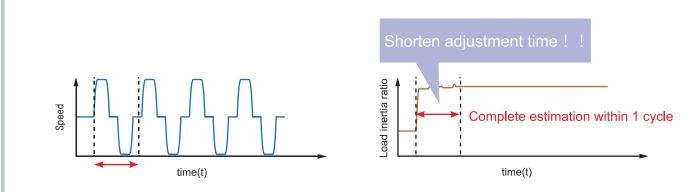
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### **Features**

Real time auto tuning, user friendly.

Quick and accurate automatic load inertia ratio estimating function



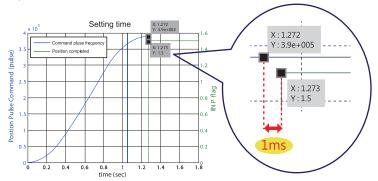
Auto tuning can estimate the load inertia ratio accurately and is suitable for low rigidity to high rigidity application. Either ball screw or belt system can reach excellent positioning performance by auto tuning which could estimate the load inertia ratio within one cycle (forward + reverse) and significantly shorten the adjustment time significantly.

### Outstanding speed response performance, 4 times faster



1.6k Hz

One of the important characteristics to choose the servo system. The servo speed frequency response is 1.6k Hz, which is faster than the SDB Series 4 times and help to shorten the setting time, improve equipment performance effectively and is the highest frequency response in the MIT Products.



# High-resolution



Equipped with Japanese high-level absolute position encoder that resolution is up to 4,194,304 pulse / rev could position accurately. The resolution is higher than SDB series 400 times and the speed calculation is faster. Reduce torque ripple during conduction, the motor at low speed is still stable.

### **Features**

### Reduce Resonance & Vibration

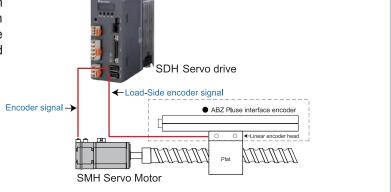
To inertia system of mechanical, both two low-frequency vibration from the end of arm to main body could be suppressed at the same time by vibration control algorithms. Machine performance is utilized to the fullest using the advanced vibration suppression control function.

Automatic high-frequency vibration suppression function could be turned on directly in motion mode and search for the vibration frequency that throught machine resonance suppression filter be controlled. Shorten the setting time and improve equipment performance.



### Compatible With Fully Closed Loop Control Optional

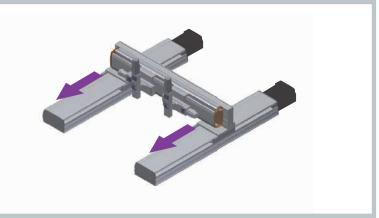
Equipped with the secondary encoder port which receives the ABZ pulse signals of mechanism can do precision position control that could reduce the backlash of the transmission mechanism and flexible and ensure the end position accuracy.



### Dual Driver Synchronous System Optional

SDH has new function of gantry dual-driver system which could exchange dual axis location information through simple wiring to upgrade mutual performance and improve positioning accuracy.

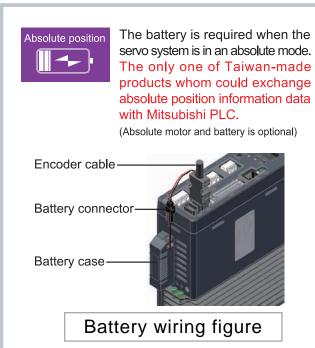
At Gantry (dual axis) applications, either the rigid structure or general structure could control both two axes accuracy correctly no matter each load of two axes is the same or not.



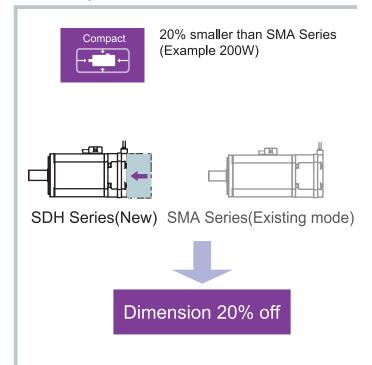




### **Absolute Position System**



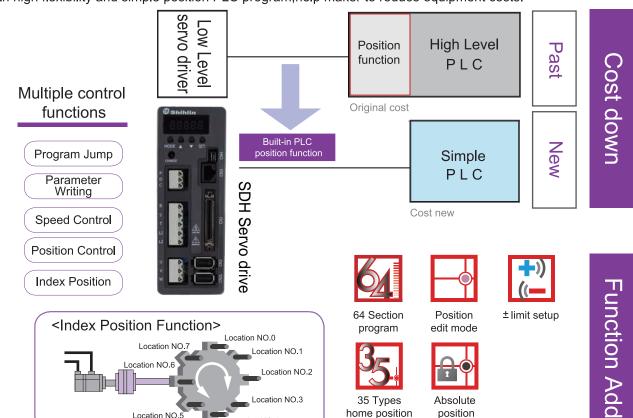
### **Compact Size**



### Built-in simple PLC function (Single-axis control mode)

With high flexibility and simple position PLC program, help maker to reduce equipment costs.

Location NO 4



Location NO.5

35 Types

home position

return mode

Absolute

position

mode

## Highly potent servo software

Fully support from setup to troubleshooting

SDH-Soft(Setup software) has the parameter management monitoring function and troubleshooting function which could shorten the setup time.

- Complete control
- Data tracking
- Multiple function monitoring



**AC SERVO SYSTEM** 

SDH Series

**Support Software** 

SDH-Soft



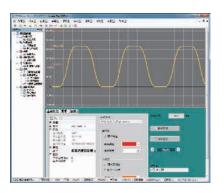
#### **Easy Tuning**

Auto gain tuning and inertia estimation interface.



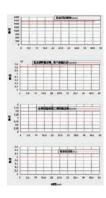
#### Parameter Management Table

Parameter data reading and writing, File reading and saving, Output printing.



### Oscilloscope Function

Oscilloscope long term status capturing function.



### **Detail Display**

Display various detail reports at the same time and capable of saving those data.



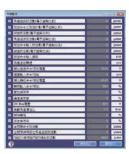
### I/O Monitoring

Realize the I/O status on time with I/O monitor display to check if the driver operate normally or not.



#### **Driver Alarm Monitoring**

Swiftly and accurately identify the cause and remedy it when alarms occur.



### Status Monitoring

Display the servo motor current status on time.(ex.load inertia ratio.,etc.)



#### PR Mode Edit

Provide exclusive PR Mode Edit page which could help you complete PLC program quickly.

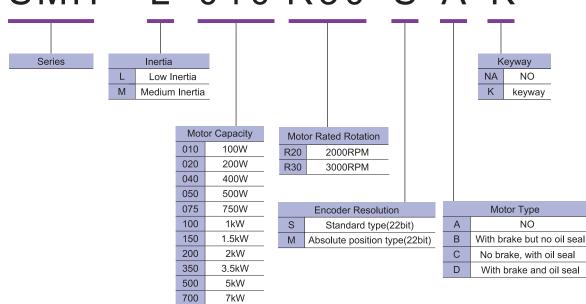
# **Product Corresponding Table**

vo Motors	Appearance					
Ser	Capacity	100W	200W	400W	750W	500W
	Standard type	SMH-L010R30S□□	SMH-L020R30S□□	SMH-L040R30S□□	SMH-L075R30S□□	SMH-M050R20S□□
	Absolute position type	SMH-L010R30M□□	SMH-L020R30M□□	SMH-L040R30M□□	SMH-L075R30M□□	SMH-M050R20M□□

Servo Drives	Appearance				O SAMIN	
	Capacity	100W	200W	400W	750W	500W
	General type	SDH-010A2A	SDH-020A2A	SDH-075A2A	SDH-050A2A	
	Fully closed loop type	SDH-010A2C	SDH-020A2C	SDH-040A2C	SDH-075A2C	SDH-050A2C

### Servo Motors Model Definition

# SMH - L 010 R30 S A K



## Series









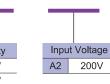
				9.		1
1kW	1.5kW	2kW	3.5kW	5kW	7kW	
SDH-100A2A	SDH-150A2A	SDH-200A2A	SDH-350A2A	SDH-500A2A	SDH-700A2A	
SDH-100A2C	SDH-150A2C	SDH-200A2C	SDH-350A2C	SDH-500A2C	SDH-700A2C	

### Servo Drives Model Definition

SDH - 010 A2 A



Motor Capacity				
010	100W			
020	200W			
040	400W			
050	500W			
075	750W			
100	1kW			
150	1.5kW			
200	2kW			
350	3.5kW			
500	5kW			
700	7kW			



	Types
Α	General type
С	Fully closed loop type

# Servo Motor Specifications

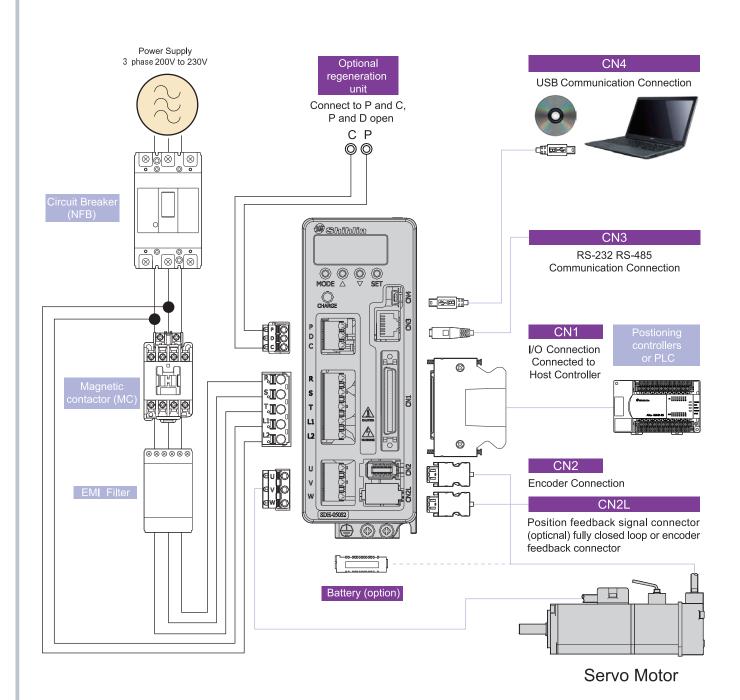
			SMH-L□	□□ <b>R30</b>					
	Servo Motors Series	010	020	040	075	050			
Pow	ver facility capacity (kVA)	0.3	0.5	0.9	1.3	1.0			
Rate	ed output (W)	100	200	400	750	500			
Rate	ed torque (N•m)	0.32	0.64	1.27	2.4	2.39			
Max	imum torque (N•m)	0.96	1.92	3.81	7.2	7.16			
Rate	ed speed (r/min)		30	000					
Max	imum speed (r/min)		4500						
insta	missible antaneous speed (r/min)		51	175					
Rate	ed power ratio (kW/s)	18.62	19.98	48.29	51.47	8.6			
Rate	ed current (A)	1.0	1.4	2.45	5.0	3.1			
Max	imum current (A)	3.0	4.2	7.35	15.0	9.3			
Mom with b	nent of Inertia J(x10-4kg·m²) orake	0.055/0.058	0.205/0.224	0.334/0.354	1.199/1.244	6.59/8.55			
Tord	que constant KT(N • m/A)	0.32	0.46	0.52	0.48	0.91			
Volt	age constant KE( V/Kmin )	41.0	54.5	59.8	56.0	95.3			
Win	ding resistance Ra (Ohm)	42.00	11.70	5.63	1.35	3.77			
Win	ding inductance La (mH)	44.25	42.10	22.95	9.83	19.2			
Med	chanical time constant (ms)	1.84	1.01	0.64	0.59	2.99			
Elec	ctrical time constant (ms)	1.05	3.51	4.08	7.28	5.09			
Insu	lation class								
Insu	lation resistance								
Insu	lation voltage								
Spe	ed and Position Detector								
	Enclosure (IP class)*								
	Working temperature								
#	Storage humidity								
nment	Storage temperature								
Enviror	Storage humidity								
ᇤ	Vibration class								
	Vibration Resistance		x, y : 4	19 m/s <sup>2</sup>					
	Altitude								
Wei	ght (kg) with electromagnetic braker.	0.36 (0.56)	0.83 (1.26)	1.28 (1.71)	2.70 (3.44)	4.6 (6.4)			
	ety Certification	-	-						
Torc	que characteristic	Torque VS Speed  1	Torque VS Speed  2 Peak running range 1 Continuous running range 0 0 1000 2000 3000 4000 Speed(rpm)	Torque VS Speed  Peak running range  Continuous running range  Continuous running range  1 1 1 1000 2000 3000 4000  Speed(rpm)	Torque VS Speed    Peak running range   Peak runnin	Torque VS Speed  Peak running rang  Continuous runnin range  Continuous runnin range  5 500 1000 1500 2000 250 Speed(rpm)			

	SMH-M□□□R20								
	100	150	200	350	500	700			
	1.7	2.5	3.5	5.5	7.5	10			
	1000	1500	2000	3500	5000	7000			
T	4.78	7.16	9.55	16.7	23.9	33.4			
	14.4	21.6	28.5	50.1	71.7	100.2			
2000									
	3000		25	500	20	00			
	3450		28	350	23	00			
	18.2	27.7	23.5	37.3	68	92			
Í	5.8	8.5	10	16	20	28			
1	16.8	25.5	30	48	60	84			
1	12.56/14.54	18.52/20.61	38.8/49.2	74.8/85.2	84.6/95	121.6/132			
1	0.94	0.95	1.14	1.18	1.13	1.22			
t	98.5	99.3	119.5	123.2	135.9	133.3			
	1.48	0.89	0.76	0.31	0.25	0.16			
Ī	9.12	5.79	8.17	3.99	2.96	2.90			
	2.09	1.82	2.26	1.69	1.46	1.25			
t	6.18	6.54	10.75	12.79	11.72	18.26			
_	F					I			
_	100MΩ,DC500	OV							
_	100MΩ,DC500 AC1500V,60Hz,6								
_		60sec							
- - -	AC1500V,60Hz,6	60sec is optional)							
- - -	AC1500V,60Hz,6	60sec is optional)							
- - - -	AC1500V,60Hz,6 22bit (Absolute position 65 (The shaft-through port	is optional) tion is excluded)							
- - - -	AC1500V,60Hz,6  22bit (Absolute position 65 (The shaft-through port  0°C~40°C	is optional) tion is excluded) freezing)							
_ _ _ _	AC1500V,60Hz,6  22bit (Absolute position 65 (The shaft-through port  0°C~40°C  Under 80%RH (non the	freezing)							
_ _ _ 	AC1500V,60Hz,6  22bit (Absolute position 65 (The shaft-through port  0°C~40°C  Under 80%RH(non the control of t	freezing)							
	AC1500V,60Hz,6  22bit (Absolute position 65 (The shaft-through port  0°C~40°C  Under 80%RH (non f  -15°C~70°C  Under 90%RH (non f	freezing)	x, y : 24.5 m/s2						
	AC1500V,60Hz,6  22bit (Absolute position 65 (The shaft-through port  0°C~40°C  Under 80%RH (non f  -15°C~70°C  Under 90%RH (non f	freezing)	x, y : 24.5 m/s2						
	AC1500V,60Hz,6  22bit (Absolute position 65 (The shaft-through port  0°C~40°C  Under 80%RH (non f  -15°C~70°C  Under 90%RH (non f	freezing)	x, y : 24.5 m/s2 11.4 (16.7)	17.5 (22.8)	19.1 (24.4)	24.5 (29.8)			
	AC1500V,60Hz,6  22bit (Absolute position 65 (The shaft-through port  0°C~40°C  Under 80%RH (non final shape)  -15°C~70°C  Under 90%RH (non final shape)  V-15  1000m  6.7  (8.5)	freezing)  freezing)  8.8	11.4						
	AC1500V,60Hz,6  22bit (Absolute position 65 (The shaft-through port  0°C~40°C  Under 80%RH(non fi  -15°C~70°C  Under 90%RH(non fi  V-15  1000m  6.7	freezing)  freezing)  8.8	11.4						
	AC1500V,60Hz,6  22bit (Absolute position 65 (The shaft-through port  0°C~40°C  Under 80%RH (non final shape of the shaft-through port  -15°C~70°C  Under 90%RH (non final shape of the shap	freezing)  8.8 (10.6)  Torque VS Speed	11.4 (16.7)	(22.8)  Torque VS Speed	(24.4) Torque VS Speed	(29.8)  Torque VS Speed			
	AC1500V,60Hz,6  22bit (Absolute position 65 (The shaft-through port  0°C~40°C  Under 80%RH (non final shape of the shaft-through port  -15°C~70°C  Under 90%RH (non final shape of the shap	freezing)  8.8 (10.6)  Torque VS Speed	11.4 (16.7)	(22.8)  Torque VS Speed	(24.4)  Torque VS Speed	Torque VS Speed			
	AC1500V,60Hz,6  22bit (Absolute position 65 (The shaft-through port  0°C~40°C  Under 80%RH (non final shape of the shaft-through port  -15°C~70°C  Under 90%RH (non final shape of the shap	freezing)  8.8 (10.6)  Torque VS Speed	11.4 (16.7)	(22.8)  Torque VS Speed	(24.4)  Torque VS Speed	Torque VS Speed			
	AC1500V,60Hz,6  22bit (Absolute position 65 (The shaft-through port  0°C~40°C  Under 80%RH (non final continuous continuo	freezing)  8.8 (10.6)  Torque VS Speed	11.4 (16.7)	Torque VS Speed  Feak running range — Peak running range —	Torque VS Speed	Torque VS Speed			

# Servo Drive Specifications

	Servo Drives Model SDH-□□□A2	010	020	040	050	075	100	150	200	350	500	700
Red	commend Servo Motors Model SMH-□□□□	L010	L020	L040	M050	L075	M100	M150	M200	M350	M500	M700
	Motor Power	100W	200W	400W	500W	750W	1KW	1.5KW	2KW	3.5KW	5KW	7KW
wer	Voltage / Frequency	3-phase 20	0~230VAC	50/60Hz or 1	phase 230V	AC 50/60Hz		3-p	hase 200~2	230VAC 50/60	0Hz	
Main Circuit Power	Permissible Voltage Fluctuation			70~230VAC 207~253VAC				3-р	hase 170~2	253VAC 50/6	0Hz	
ain Cir	Permissible Frequency Fluctuation		1-pilase z	.07 · 200 VAC	3 30/00112		l 1aximum + 5º	 %				
	Voltage / Frequency						200~230VAC					
t Pow	Permissible Voltage Fluctuation					•	70~253VAC					
Circui	Permissible Frequency Fluctuation						1aximum + 5°					
Control Circuit Power	Power Consumption(W)					IV.	30	/0				
3	Control Method				3 phase full	wave rectify,		controlled (S)	/DWM drive)			
	Dynamic Brake				5-priase full	wave rectily,	Built-in	controlled (5)	71 vvivi drive)	<u> </u>		
			Overcurre	nt regeneral	ive overvolta	ge, overload		n failure prot	ection outpu	ıt short circuit	nrotection	
	Protective Functions			, 0	n, abnormal r	regeneration protection	orotection, lov	v voltage / in:	stantaneous			
	Encoder Feedback				Stand	ardtype/Abso		•	p/rev)			
	Communication Interface						S485(MODBL					
	Maximum Output Pulse Frequency				· · · · · · · · · · · · · · · · · · ·	/ 4Mpps High				<u> </u>		
ode	Pulse Command			CCW Pul		/ Pulse train :				pulse train		
Position Control Mode	Command Type				Ext	ternal pulse c			tup			
ontr	Command Smoothing					•	filter / Linear					
on C	Command Pulse Multiplying factor											
ositi	Error Excessive			1			±3 rotations	1 (0 .1	0) (DO (M )	, , ,		
	Torque Limit	Internal parameter setup or external analog Input setup (0~+10VDC/Maximum torque)										
	Feedforward Compensation			Δ.	nologue ana	•	rameter setu			00		
4.	Speed Control Range			A		ed command				00		
Node	Command Type  Command Smoothing			1.		al analog volt // Linear acce	• •		•	7.0		
trol	Analog Speed Command Input					/DC/Rated sr						
Speed Control Mode	Speed Fluctuation Rate				tion 0~100%	5: ± 10% (max 0°C∼55°C: ±	cimum); powe	er fluctuation	±10%: ± 0.59			
Spe	Torque Limit				<u>'</u>	p or external	•		<u> </u>			
	Bandwidth					M	aximum 1.6kl					
uo	Command Type					External	analog volta	ge input				
nitati Je	Command Smoothing					L	.ow-pass filte	r				
Torque Limitation Mode	Analog Torque Command Input				0~±10VD	C/Maximum	torque (input	impedance:	10~12kΩ)			
Torq	Speed Limit			Internal pa	rameter setu	p or external	analog Input	setup (0~+1	0VDC/Maxin	num speed)		
and Output Signals	Digital Input		ing command	d selection, fo	rward andba	t limits, pulse ckward rotati stop, control	on direction s	election, pro	portion contr	ol switching,	torque limit s	
outpu'	Digital Output		Torque lin	nit reached, s	speed limit re	ached, servo alarm sig	ready, zero s nal, Homing		d, position re	eached, spee	d reached,	
ut and	Analog Input				Analog spe	ed command	/ limit, analo	g torque com	mand / limit			
Input	Analog Output		Comman	d pulse frequ	uency, pulse	error, current	command, D	C bus voltag	e, serve mot	or speed, tor	que value	
	Cooling Method	١	latural coolin	g, open (IP20	0)			Fan c	ooling, open	(IP20)		
	Temperature	0°C~€	55°C (Force a	air circulation	in the surrou	ınding area if	the temperat	ure goes bey	ond45°C);S	torage: -20~	-65°C (non fr	eezing)
nent	Humidity			Maximu	m 90% RH (	non condensi	ng); Storage:	Below 90%	RH (non con	densing)		
Environment	Installation Location			Indoor (av	oid direct sur	n light); no co	rrosive gas, r	no flammable	gas, no oil n	nist or dust		
Env	Altitude					Between	sea level an	d 1000 m				
	Vibration					Ma	aximum 5.9m	/s²				
	Weight(kg)	1.4	1.4	1.4	1.4	1.7	1.7	2.6	2.6	2.6	5.9	5.9

## **Connections With Peripheral Equipment**

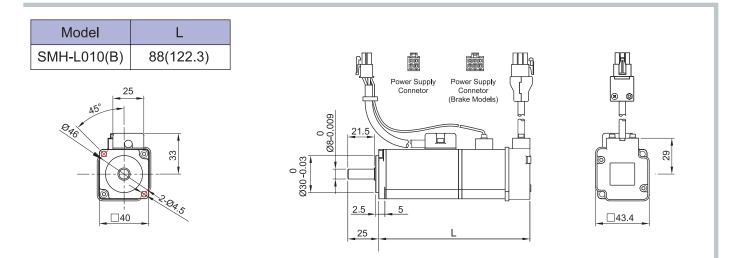


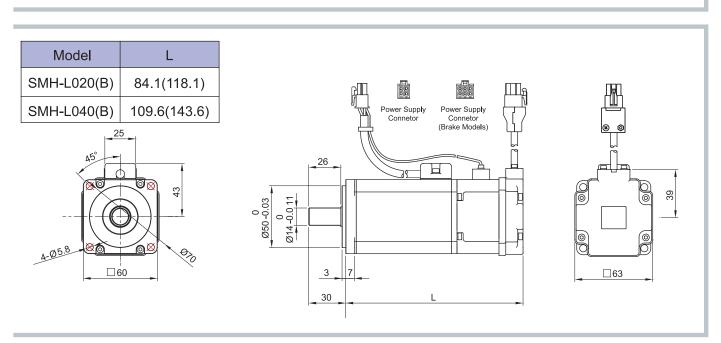
#### Notes

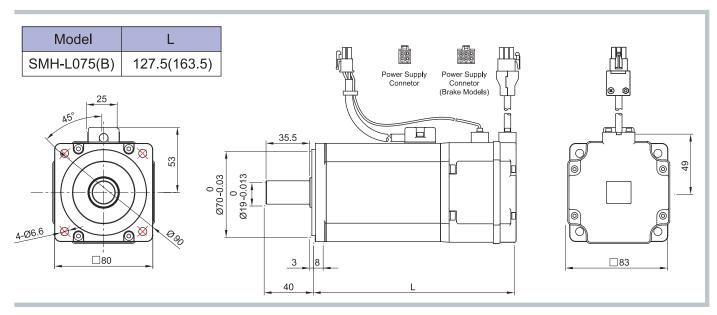
- 1. Connect external regeneration unit, please remove P and D short circuit line and connect external resistor to P、C point. Every capacity has its related resistor value, please refer to "Servo Motor Specification" table in this catalog.
- 2. The general type SDH servo drive has no CN2L connector.
- 3. With brake type servo motor, the exclusive power cable for must be prepared and need to input DC24V power. Please don't use drive internal VDD connector for power. Please refer to "SDH series User's Manual" for details.
- 4. The usage of absolute position, please select the optional battery "SDH-BAT-SET" and exclusive encoder cable. Please refer to "SDH series User's Manual" for details.

# **Servo Motor Dimensions**

Unit: mm

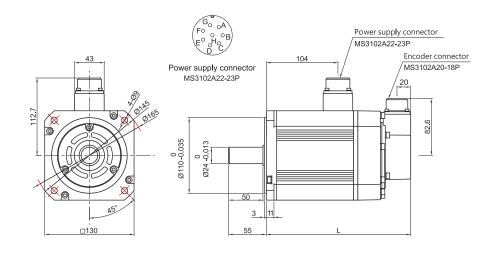




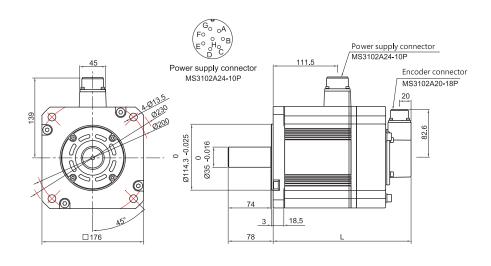


Unit: mm

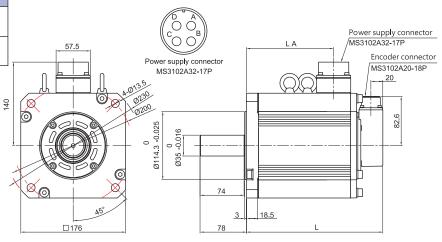
Model	L
SMH-M050(B)	124(158)
SMH-M100(B)	150(184)
SMH-M150(B)	176(210)



Model	L
SMH-M200(B)	149(199)
SMH-M350(B)	189(239)



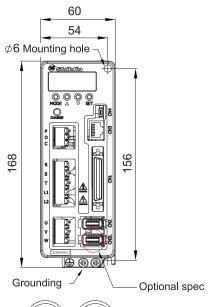
Model	LA	L
SMH-M500(B)	106.4	189(239)
SMH-M700(B)	146.4	229(279)



# Servo Drive Dimensions

Unit: mm

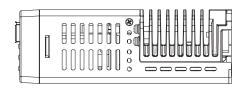
#### SDH-010/020/040/050



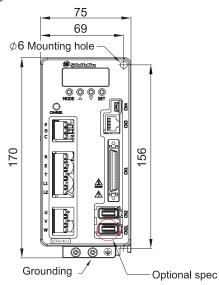


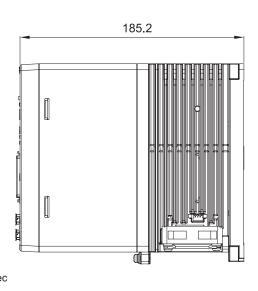
Boit: M4 x 0.7

Boit torque: 14 (kgf-cm)



#### SDH-075/100

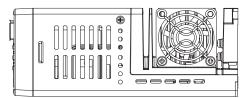






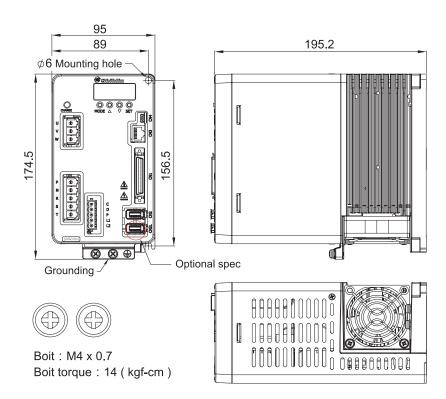
Boit: M4 x 0.7

Boit torque: 14 (kgf-cm)

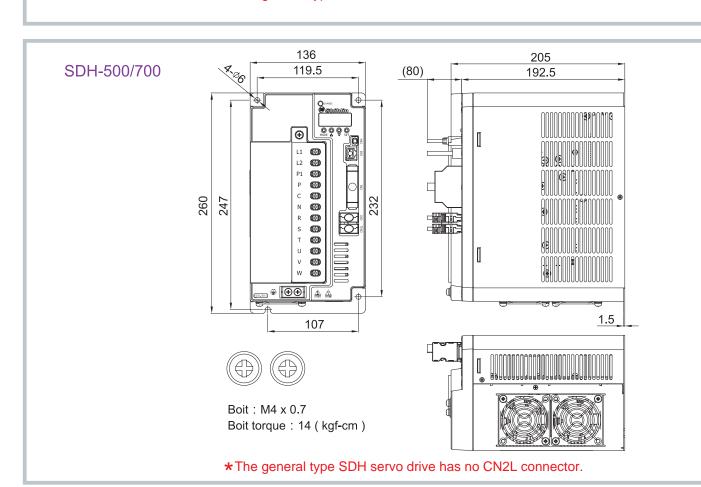


Unit: mm

#### SDH-150/200/350

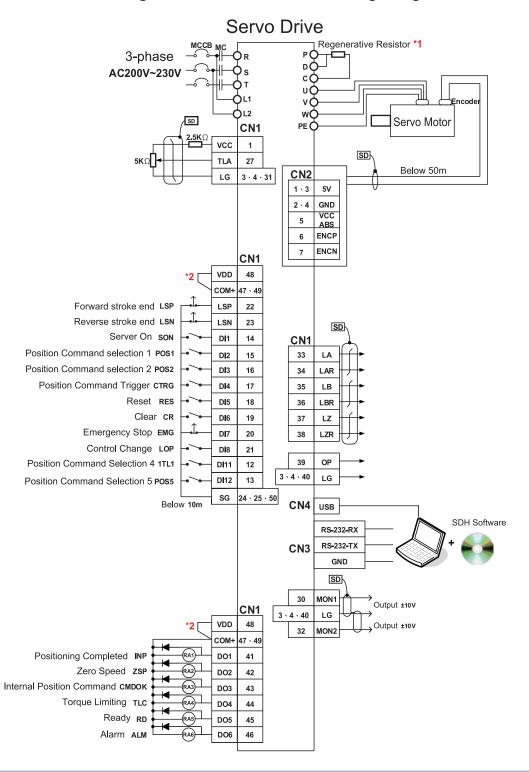


**★**The general type SDH servo drive has no CN2L connector.



# Wiring Diagram

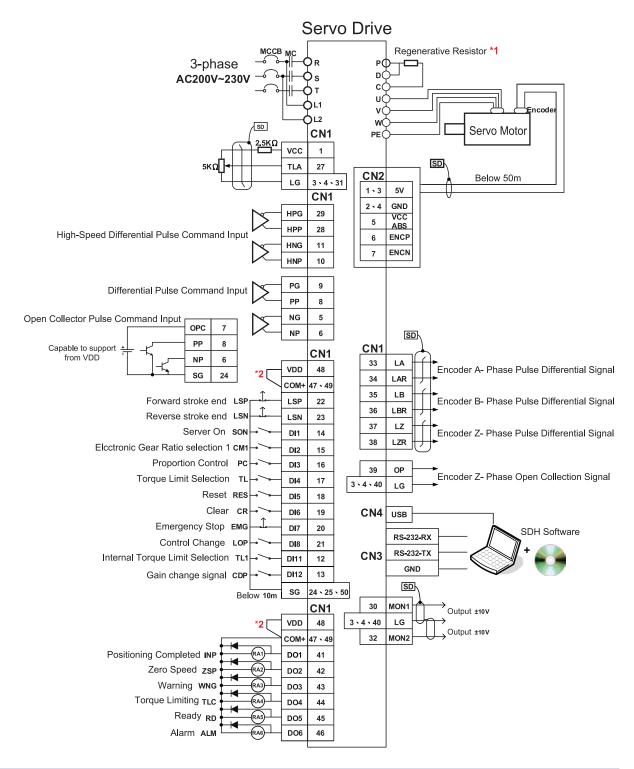
Pr Mode:Buit-in Single-axis Control Mode Wiring Diagram



#### Notes

- ★1.Connect external regeneration unit, please remove P and D short circuit line and connect external resistor to P、C point. Every capacity has its related resistor value, please refer to "Servo Motor Specification" table in this catalog.
- ★2.If you use DC24V power, please don't connect VDD to COM+.

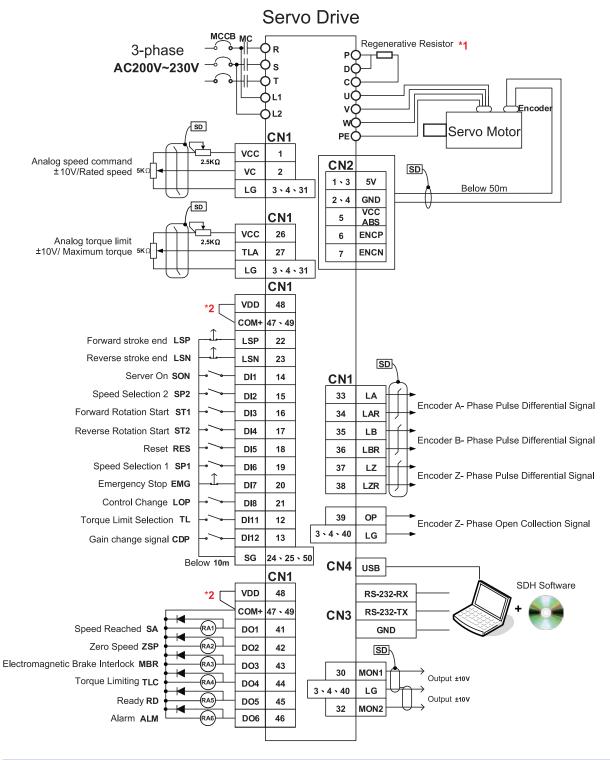
### Pt Mode:Position Control Mode Wiring Diagram



- ★1.Connect external regeneration unit, please remove P and D short circuit line and connect external resistor to P、C point. Every capacity has its related resistor value, please refer to "Servo Motor Specification" table in this catalog.
- ★2.If you use DC24V power, please don't connect VDD to COM+.

# Wiring Diagram

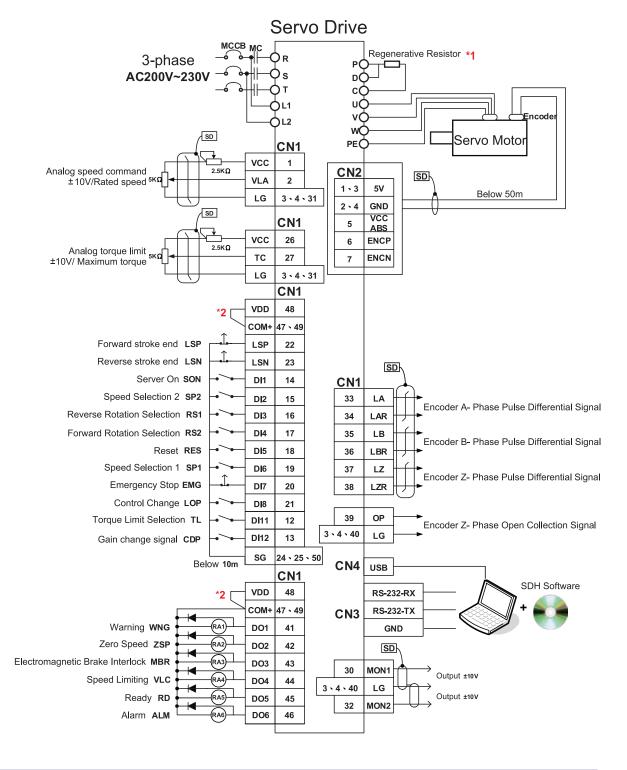
S Mode:Speed Control Mode Wiring Diagram



#### Notes

- ★1.Connect external regeneration unit, please remove P and D short circuit line and connect external resistor to P、C point. Every capacity has its related resistor value, please refer to "Servo Motor Specification" table in this catalog.
- \*2.If you use DC24V power, please don't connect VDD to COM+.

### T Mode:Torque Control Mode Wiring Diagram



#### Notes

- ★1.Connect external regeneration unit, please remove P and D short circuit line and connect external resistor to P、C point. Every capacity has its related resistor value, please refer to "Servo Motor Specification" table in this catalog.
- ★2.If you use DC24V power, please don't connect VDD to COM+.

# **Optional Accessories**

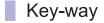
Name				Model	Content	SMH L M		
SMH-L Connector		ector	SDA-PWCNL1					
	100W~750W with no brake		ble	SDA-PWCNL1-□M-L/H +1			0	
SMH-L 100W~750W		Conn	ector	SDA-PWCNL2	*1*2			
	with an electromagnetic brake	gnetic Cable		SDA-PWCNL2-□M-L/H	<b>*</b> 1 <b>*</b> 2		0	
_	CMH M	Connector		SDA-PWCNM1		_		
cto	SMH-M 500W/ 1kW/1.5kW	Cable		With no brake SDA-PWCNM1- □ M-L/H			0	
Power Connecto				With an electromagnetic brake SDA-PWCNM1B-□M-L/H	<b>*</b> 1 <b>*</b> 2	4Q		Ŭ
Ö		Conn	ector	SDA-PWCNM2				
ver	SMH-M 2kW/3.5kW	Cable		With no brake SDA-PWCNM2- □ M-L/H	<b>*</b> 1 <b>*</b> 2			0
Pow				With an electromagnetic brake SDA-PWCNM2B- □ M-L/H	<b>*</b> 1 <b>*</b> 2	440		
	_	Power connector  Power 5kW cable 7kW		SDH-PWCNM4		Power connector		0
	SMH-M			SDH-PWCNM4- □ M-L/H SDH-PWCNM5- □ M-L/H	*1*2 *1*2			
	5kW/7kW	Bra			8182	Brake		
		connector Brake		SDH-BKCNS1		connector		0
		cable		SDH-BKCNS1- □M-L/H				
I/O Connector				SDA-CN1			0	0
CN1				SDA-TB50			0	0
Terminal blocks a wire set			ıa	SDA-TBL05M SDA-TBL1M SDA-TBL2M			0	0
			nector	SDH-ENL			0	
	SMH-L	Cable		General Type SDH-ENL-□M-L/H	<b>*</b> 1 <b>*</b> 2			
CN2				Absolute Type SDH-ENL-□M-L/H-B	*1*2		0	
	SMH-M	Con	nector	SDH-ENM				0
		Cable		General TypeSDH-ENM- □ M-L/H	<b>*</b> 1 <b>*</b> 2			
				Absolute Type SDH-ENM- ☐ M-L/H-B	*1*2			0
CN2L	Fully closed loop control/Dual drive synchronous system		nector	SDH-CN2			0	0
CNZL		C	able	SDH-CN2L-0.5M				
CN3	CN3 RS232/RS485 Communication line			SDA-RJ45-3M			0	0
CN4	CN4 USB Communication line			SDA-USB3M			0	0
ery	Absolute Encoder Battery Set			SDH-BAT-SET			0	0
Battery	Absolute Encoder Battery			SDH-BAT			0	0

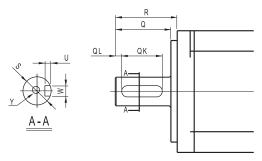
 $<sup>\</sup>bigstar$  1 □Indicates the cable length.Standard: 2M  $\times$  3M  $\times$  5M  $\times$  10M;Special order:other length

<sup>\*2</sup> L and H indicate bending life. L: standard, H: long bending life.

## **Motor Shaft Dimensions**

Unit: mm

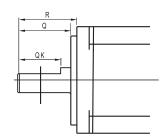




Motor models	Dimensions								
Motor Models	S	R	Q	QK	QL	W		U	Υ
SMH-L020(B)\L040(B)	Φ 14h6	30	26	20	3	5	-0.03	3	M4 Depth 15
SMH-L075(B)	Ф 19h6	40	35.5	25	5	6	0 -0.03	3.5	M5 Depth 20
SMH-M050(B)\M100(B)\M150(B)	Ф 24h6	55	50	35	5	8	0 -0.036	4	M8 Depth 20
SMH-M200(B)\M350(B)\M500(B) \M700(B)	Ф 35h6	78	74	55	5	10	0 -0.036	5	M8 Depth 20

D-cut





Motor models	Dimensions							
Motor models	S	X	R	Q	QK			
SMH-L010(B)	Ф 8h6	1	25	21.5	20.5			

# Electromagnetic Brake Specifications

	SMH Series									
Motor models	L010B	L020B/L040B	L075B	M050B/M100B/150B	M200B/M350B /M500(B)/M700(B)					
Electromagnetic brake types	Spring-action safety brake									
Rated voltage (V)	DC 24V 0-10 %									
Power consumption(W)	6.3	7.9	8.6	19.3	34					
Static fraction torque (N·m)	0.3	1.3	2.4	8.5	45					



Note: The electromagnetic brake is used only for safety maintenance. Use it only when the motor is OFF. Do not use it as a motor deceleration brake.

With brake type servo motor, the exclusive power cable for must be prepared and need to input DC24V power. Please don't use drive internal VDD connector for power. Please refer to "SDH series User's Manual" for details.



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