Position Mode





Easy tuning, flexible to control

Power Range(W): 90, 130, 180 Encoder: 1000-line, 16-Bit

Save Mounting Space

Voltage Input: 24~50VDC Motor Frame Size: 57mm

Command source:

Pulse+Direction **Inputs and Outputs:**

Alarm output













- Highly Integrated, Servo motor + advanced DSP servo drive
- Lower cable cost
- Support step & direction, commands
- Built-in pulse generator for the tuning and self-test
- Compact size, Save mounting space



Leadshine's iSV series integrated servo motors are one of the most compact servo systems available on the market. An iSV integrated servo has a servo motor (PMSM or BLDC optional) and an advanced DSP servo drive. At very compact size and with all components integrated, the iSV series servos can save mounting space, eliminate encoder connection and motor wiring time, increase reliability, and lower cable and labor cost. The drive takes step & direction, commands, and is capable of outputting in position and fault signals back to the master controller or external devices for complete system controls.

Part Numbers 130 T - D4 Series Num iSV iSV Series integrated servos Motor Type Brushless **Motor Type** D4 Version Code NEMA23 (23mm) Rated Output Power 090 90W Encoder 130 130W 180 180W **Encoder Version**

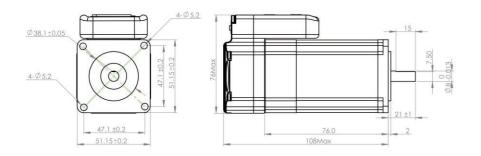
Specifications

Part Number	ISV-B23090T-D4	ISV-B23130T-D4	ISV-B23180T-D4	
Rated Power(W)	90	130	180	
Rated Torque(Nm)	0.30	0.45	0.6	
Peak Torque(Nm)	0.90	1.1	1.5	
Rated Speed(rpm)	3000	3000	3000	
PeakSpeed(rpm)	4000	4000	4000	
Rated Voltage(Vdc)	36	36	36	
Weight(kg)	0.95	1.25	1.54	

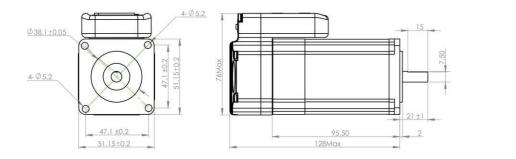
Mechanical Specifications

• iSV-B23090T-D4

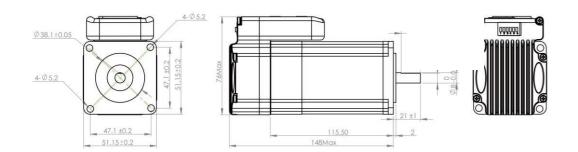
Units: mm 1 inch = 25.4 mm



• iSV-B23130T-D4



• iSV-B23180T-D4



Installation Notes:

- (1) Do not give strong impact shock to the motor shaft.
- (2) The motors are not water proof. Please contact Leadshine if you need a water proof product.

(3) Keep the ambient temperature within the permissible temperature range (0 to 40 °C) for the product. Use force cooling methord if necessary. Available time for the iSV-A24100, iSV-A24200, iSV-A24400, iSV-B17025, iSV-B17050, iSV-B17075 is to be determined. Please contact Leadshine or visit Leadshine's website at www.leadshine.com for the latest information about the iSV series integrated servos.

Power Supplies

- 220VAC ± 10% or 110 VAC ± 10%
- Higher Reliability and mass production
- High efficiency, low temperature rising



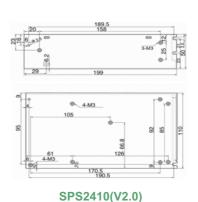
Features

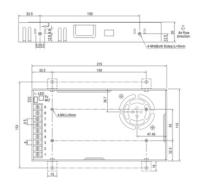
- 1.8 or 3 times overload
- Compact Size, Light in Weight
- Use Switch to select input voltage 220VAC ± 10%
- Over-current, Over-voltage, Low-voltage Protections
- Big Power with High Efficiency
- CE and RoHS

Electrical Specifications

Model	Output Voltage (VDC)	Continuous Current(A)	Peak Current(A)	Input Voltage	Power(W)	Dimensions (mm)	Weight(Kg)
SPS2410(V3.0)	24	10	30	220VAC±10%	240	199*110*50	0.8
SPS3611(V3.0)	36	11	33		400	215*115*30	0.6
SPS488(V3.0)	48	8.3	24.9		400	215*115*30	0.6
SPS606(V3.0)	60	6.7	20.1		400	215*115*30	0.6

Mechanical Specifications





(unit: mm, 1inch=25.4mm)

SPS3611(V2.0)/SPS488(V2.0)/SPS607(V2.0)

57 | iSV Series Integrated Servo Motors