

### Features

- Reducing the length from installation side to surface of slide to save space.
- Using servo stepper motor to enhance accuracy by driving timing belt with minimum pitch.
- Using four linear ball bearings to sustain the load of slide and maintain stable and smooth motion.
- Integrate the controller into stepper motor and it has memory function for programming.
- Three-phase stepper motor: incremental type 1000P/R, including 3 input, 2out.
- All in one: program control mode, pulse control mode and terminal control mode.

### Specification

Model	MEAT
Size	25
Bearing	Linear ball bearings
Velocity (mm/s)	48~1000
Horizontal load (kg)	5
Repeatability (mm)	± 0.1
Ambient temperature (°C)	+5 ~ +40

### Table for standard stroke

Size	Stroke (mm)	Max. stroke
25	100,200,300,400,500,600,700	750

\* Minimum stroke unit 1mm.

\* Please consult us if stroke out of specification.

\* Please reserve 5cm space around the installation slide for maintenance purpose.

### Order example

**MEAT – 25 – 200 – 1**

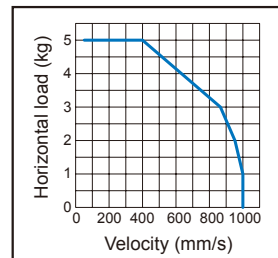
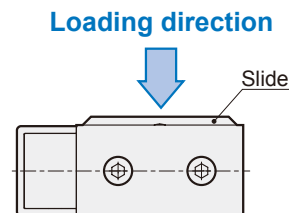
MODEL

SIZE

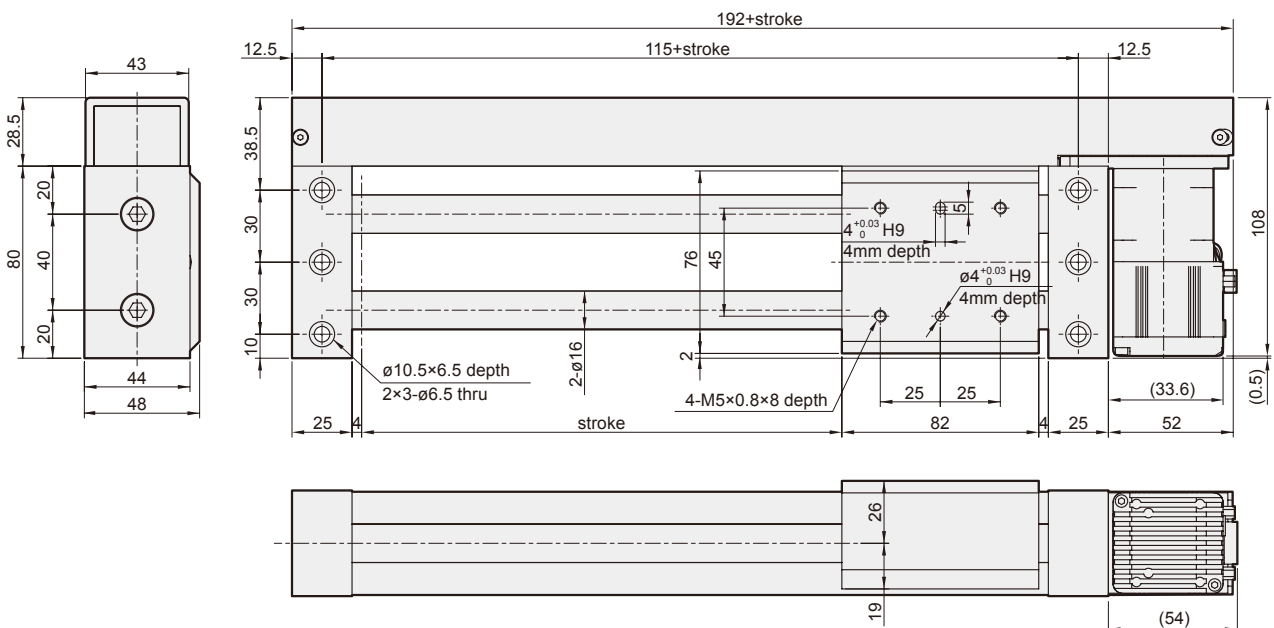
STROKE

Blank: Standard  
1: With I/O card  
(Should be ordered alone  
EAT-1: Expansion I/O card)

### Velocity-Horizontal load



### Dimensions

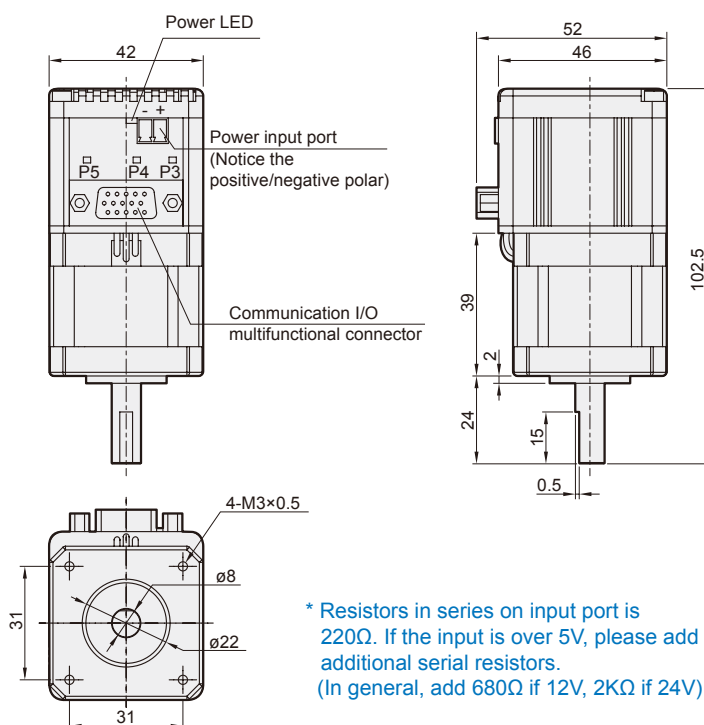


### Specification

Motor size	Servo type three-phase stepper motor	
Power	DC 24V	
Rated current / Max. instant current	4A / 6A	
Rated torque	0.25 N.m	
Cooling type	Natural cooling	
Resolution encoder	Incremental type 10000 resolution/per cycle	
Control mode	Position, terminal control, Modbus communication control	
Position control	Max input pulse frequency	Differential Signaling: Below 500K PPS, Open Collector Signaling: 200K PPS
	Pulsed mode	CW/CCW, Pulse/DIR
	Smoothing filter	Cushion, Trapezoidal velocity profile acceleration /deceleration
	Electronic gear ratio	Electronic gear ratio (A/B) > 1/9999, A/B < 9999
	Registration complete check	0 ~ 999 Pulse
Terminal control	Internal operation instruction	Executing movement command from Windows Terminal
	Scripts edit control	Program input point, programmable set external INPUT ON/OFF signal for positioning.
Interface	RS232(for Windows Terminal) / RS485 / Modbus	
JOG function	Run manually(The speed is according to the parameter of configuration)	
Brake function	Output the control signal of Z-Axis brake, according to the servo ON/OFF status.	
Abnormal function	Servo control stop, positive / negative turn actuation restricted	
Protective device	Over current, over voltage, over temperature, encoder abnormal, low voltage, input pulse over limit, follow abnormal detection.	
Input signal	Servo control ON/OFF, zero point signal, pulse control signal.	
Output Signal	Servo control ready (Z axis brake control signal), location complete, actuation abnormal output (parameter setting).	

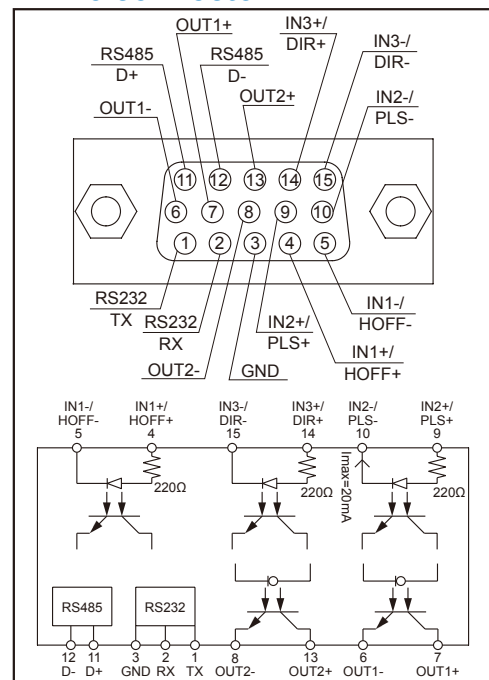
\* Recommend installation environment: Places without moisture, oily dusty, corrosive and flammable liquid. Without floating dusty and metallic particle. Firm and static places without electrical interference, megathermal equipment.

### Dimensions

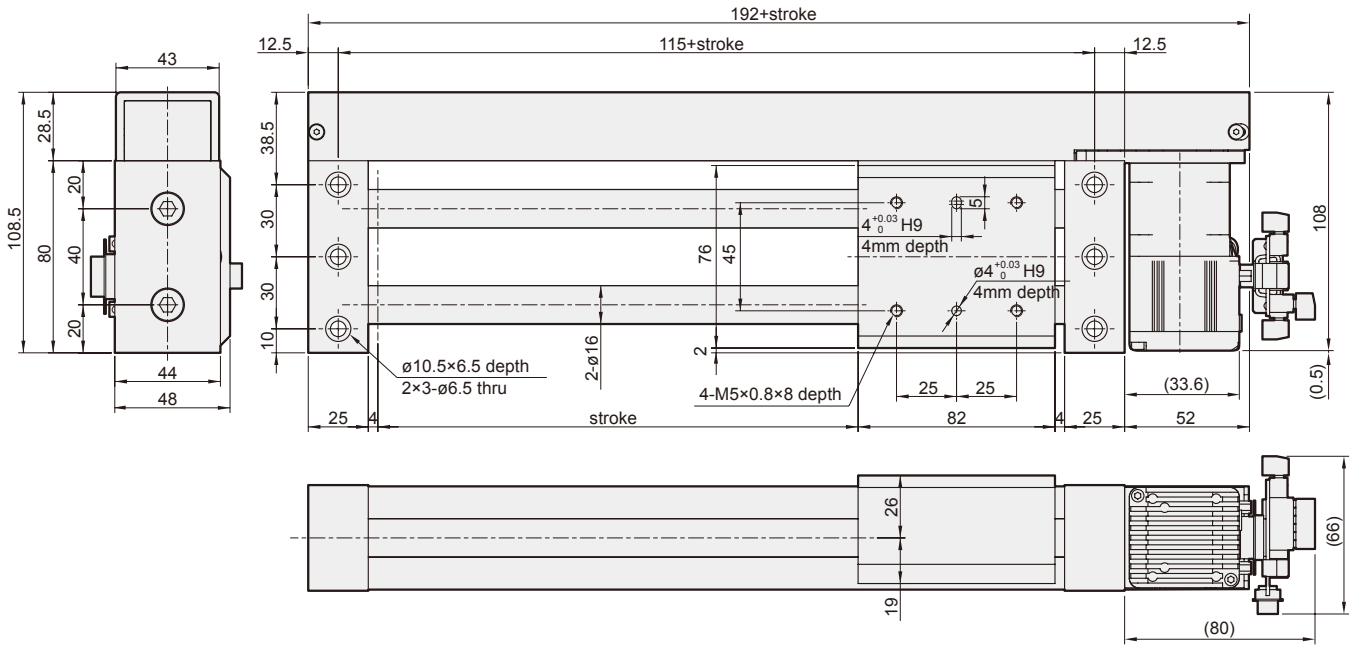


\* Resistors in series on input port is 220Ω. If the input is over 5V, please add additional serial resistors. (In general, add 680Ω if 12V, 2KΩ if 24V)

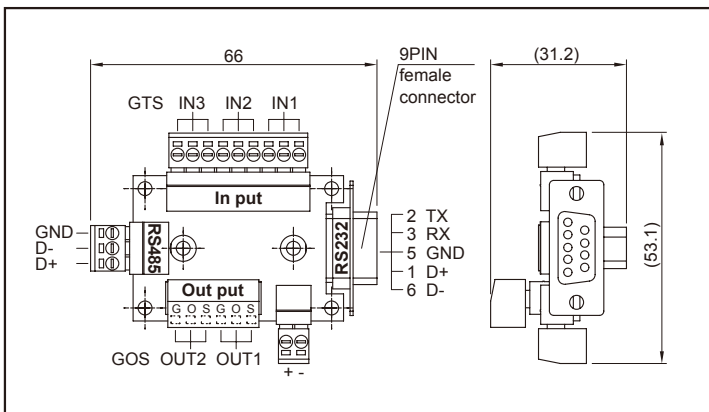
### Definition of three-row 15pin DE-15 connector



### Dimensions (Including expansion I/O card)



### Expansion I/O card



### Order example

**EAT - 1**

Expansion I/O card

\* When in control mode, all inputs/outputs are not defined and should be defined by program. (I/O card is optional)

### Outputs/inputs circuit diagram

