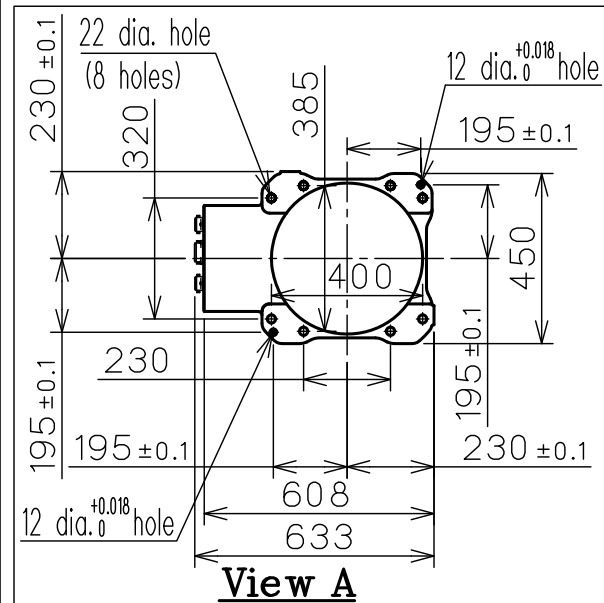
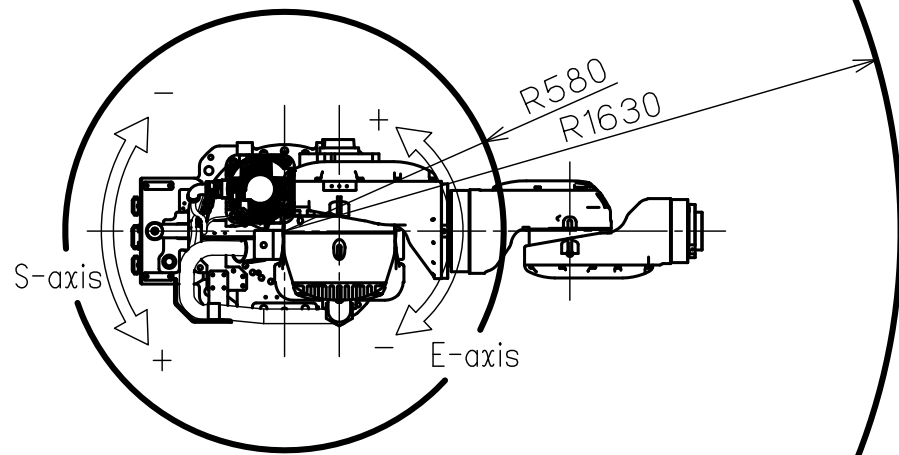


DWG.NO. HW0389601



\*1.Flange has a cable through hole.  
When mounting equipment such as an attachment,ensure that no foreign liquid,oil,or dust go into hols.

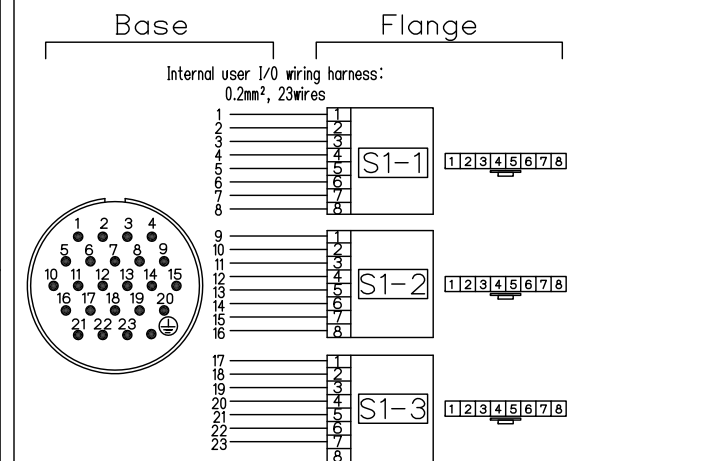
Type	Note
YR-SIA050D-A00	Standard
YR-SIA050D-A01	Dripproof (Base:IP54, Body:IP65,Wrist:IP67)



Connectors for internal user I/O wiring harness:  
51216-0800\*MOLEX\*(3 connectors)  
Prepare:51227-0800\*MOLEX\*

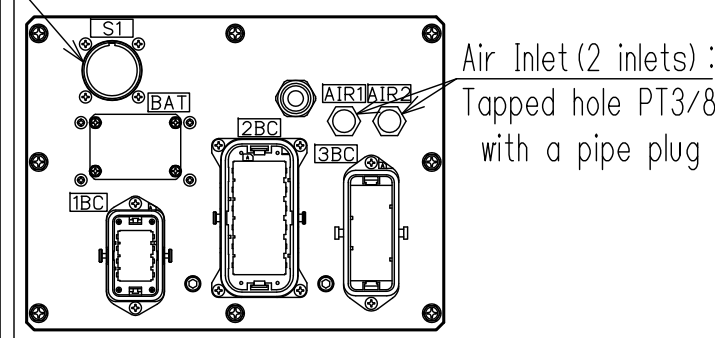
Enlarged View

Item	Model	MOTOMAN-SIA50D
Type		Articulated
Degree of Freedom		7 axes
Payload		50kg
Repeatability *2		±0.1mm
Range of Motion	S-axis	-180° ~ +180°
	L-axis	-60° ~ +125°
	E-axis	-170° ~ +170°
	U-axis	-35° ~ +215°
	R-axis	-170° ~ +170°
	B-axis	-125° ~ +125°
	T-axis	-180° ~ +180°
Maximum Speed	S-axis	2.97rad/s,170° /s
	L-axis	2.27rad/s,130° /s
	E-axis	2.27rad/s,130° /s
	U-axis	2.27rad/s,130° /s
	R-axis	2.27rad/s,130° /s
	B-axis	2.27rad/s,130° /s
	T-axis	3.49rad/s,200° /s
Allowable Moment	R-axis	377N·m (38.5kgf·m)
	B-axis	377N·m (38.5kgf·m)
	T-axis	147N·m (15.0kgf·m)
Allowable Inertia (GD <sup>2</sup> /4)	R-axis	29.6kg·m <sup>2</sup>
	B-axis	29.6kg·m <sup>2</sup>
	T-axis	12.5kg·m <sup>2</sup>
Mass		640kg
Ambient Conditions	Temperature	0~40°C
	Humidity	20~80%RH at constant temperature
	Vibration Acceleration	4.9m/s <sup>2</sup> (0.5G) or less
	Others	•Free from corrosive gas or liquid, or explosive gas •Free from exposure to oil or dust •Free from excessive electrical noise (plasma)
Power Capacity		5.0kVA

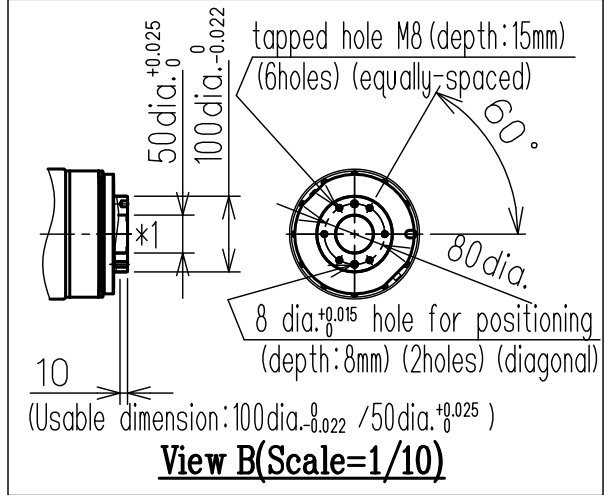
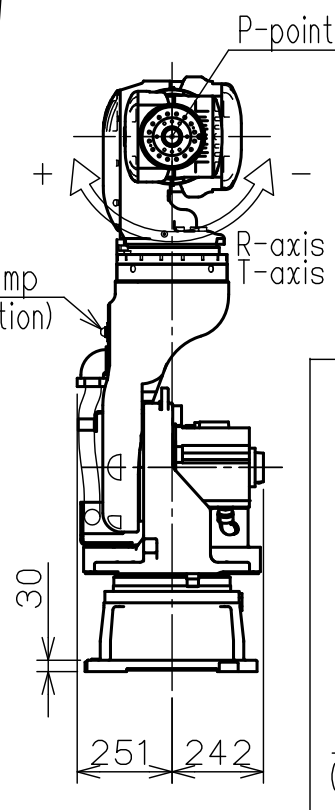
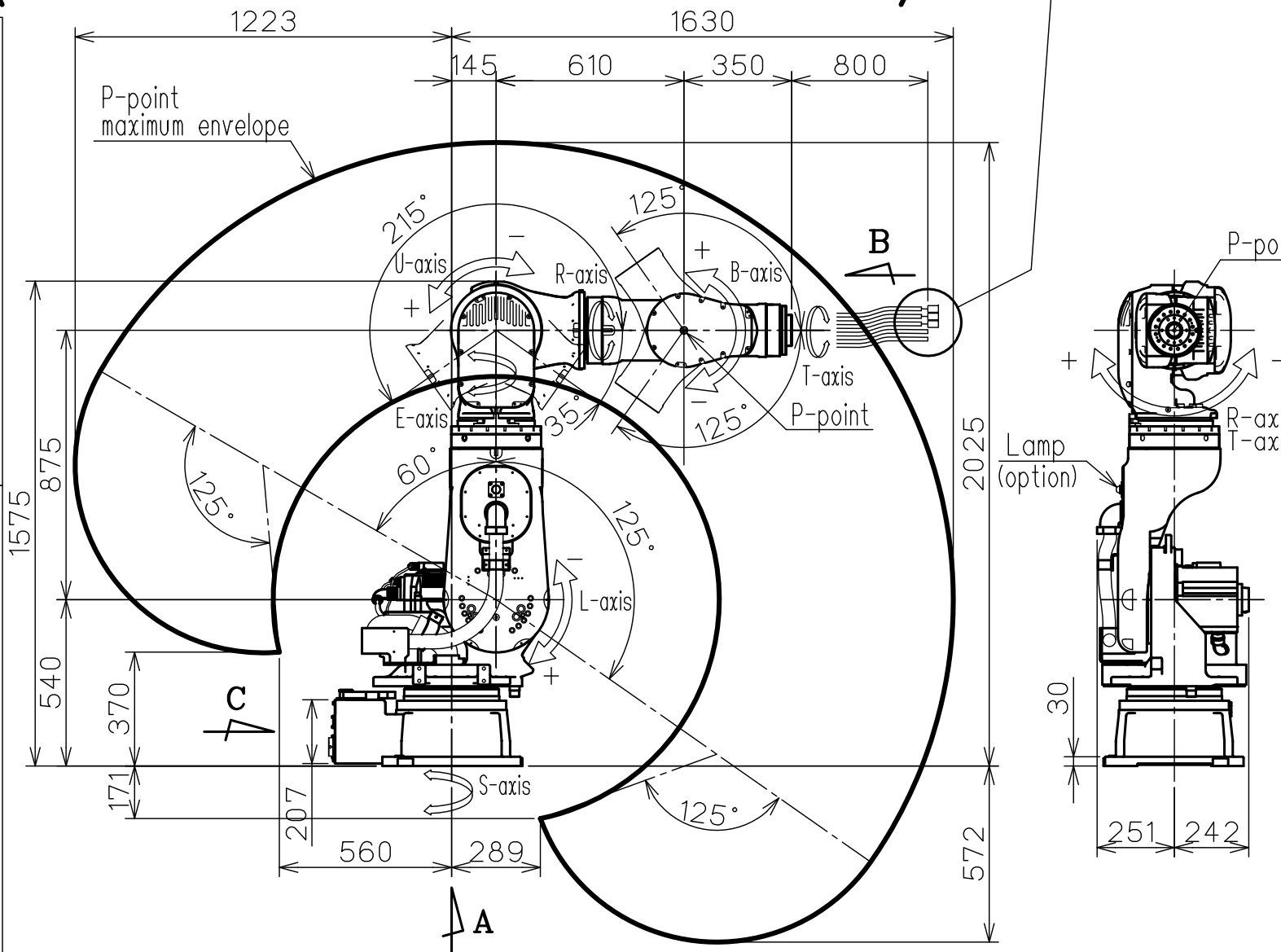


Connectors for internal user I/O wiring harness (Pin Details)

Connector for internal user I/O wiring harness:  
JL05-2A24-28PC-FOR  
Prepare socket connector: JL05-6A24-28SC-FOR

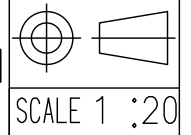


View C(Scale=1/5)



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4.We are not responsible for any damages or loss caused by the use of the data.

FOR STUDY PURPOSE ONLY



**YASKAWA**  
株式会社 安川電機

Reference Drawing

TITLE MOTOMAN-SIA50D  
DIMENSION DIAGRAM

DRWN DATE Nov.25.'08  
DWG.NO. HW0389601

SIZE A3