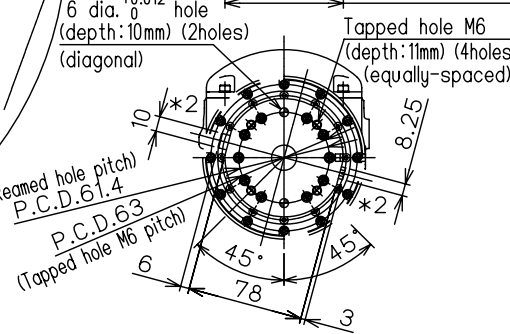
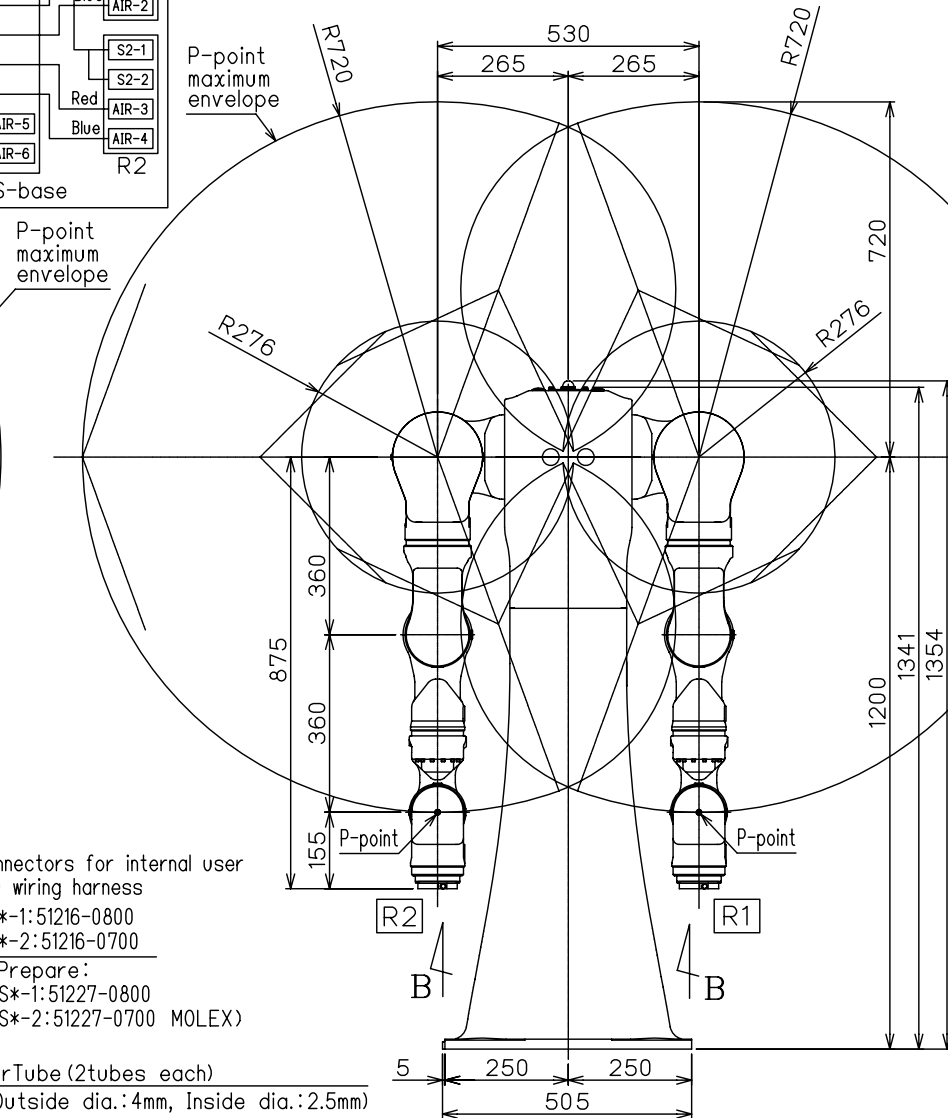
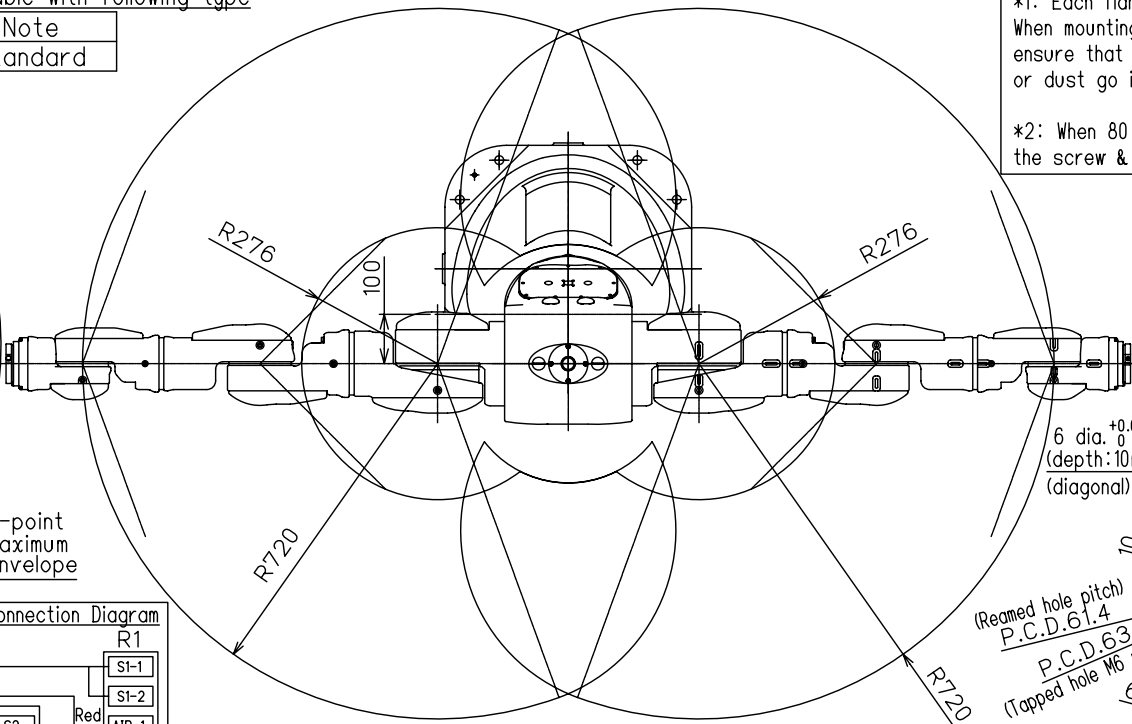
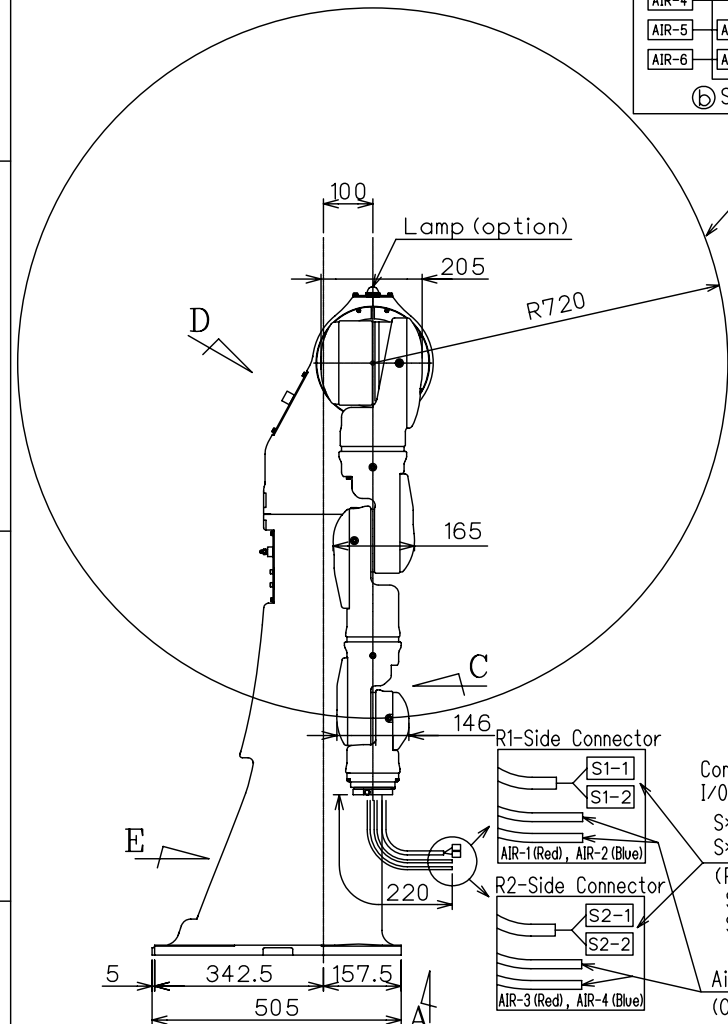
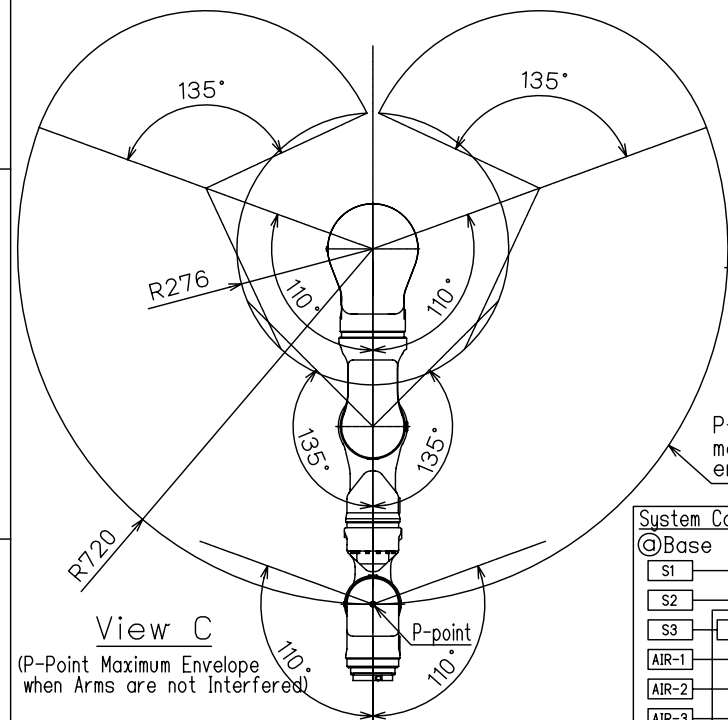
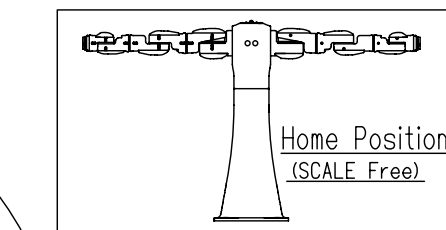


FOR STUDY PURPOSE ONLY

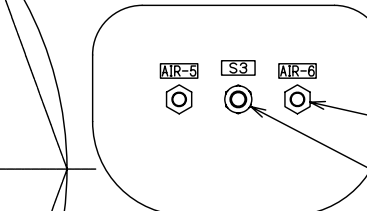
Type	Note
YR-SDA010D-A00	Standard



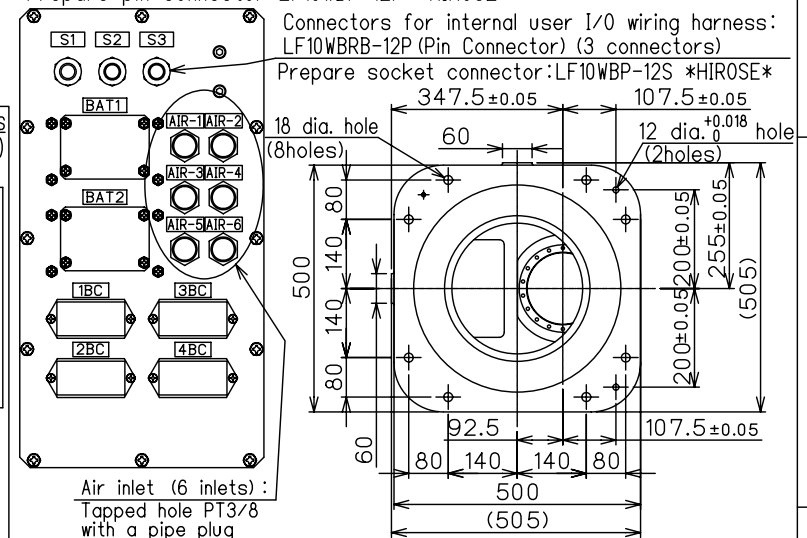
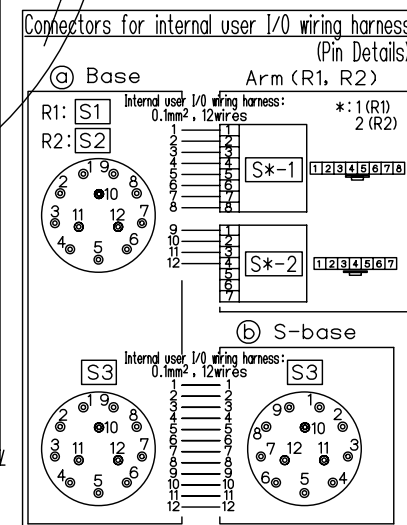
View B (SCALE 1/5)



Home Position  
(SCALE Free)



(b) View D  
(SCALE 1/5)



① View E  
(SCALE 1/5)

Item	Model	MOTOMAN-SDA10D
Configuration		Articulated
Degree of Freedom		7 axes for the left arm (R1); 7 axes for the right arm (R2); 1 turning axis
Payload		10kg/arm
Repetitive Positioning Accuracy *3		±0.1mm
Range of Motion	Rotation-axis	±170°
	S-axis (lifting)	±180°
	L-axis (lower arm)	±110°
	7th-axis (lower arm twist)	±170°
	U-axis (upper arm)	±135°
	R-axis (upper arm twist)	±180°
	B-axis (wrist pitch/yaw)	±110°
Maximum Speed	T-axis (wrist twist)	±180°
	Rotation-axis	2.27rad/s (130°/s)
	S-axis	2.97rad/s (170°/s)
	L-axis	2.97rad/s (170°/s)
	7th-axis	2.97rad/s (170°/s)
	U-axis	2.97rad/s (170°/s)
	R-axis	3.49rad/s (200°/s)
Allowable Moment	B-axis	3.49rad/s (200°/s)
	T-axis	6.98rad/s (400°/s)
Allowable Inertia (GD <sup>2</sup> /4)	R-axis	31.4 N·m (3.2kgf·m)
	B-axis	31.4 N·m (3.2kgf·m)
	T-axis	19.6 N·m (2.0kgf·m)
Mass		220 kg
Ambient Conditions	Temperature	0~40℃
	Humidity	20~80%RH at constant temperature
	Vibration acceleration	4.9m/s <sup>2</sup> (0.5G) 以下
	Others	<ul style="list-style-type: none"> <li>Free from corrosive gas or liquid, or explosive gas</li> <li>Free from exposure to water, oil, or dust</li> <li>Free from excessive electrical noise (plasma)</li> </ul>
	Power Capacity	2.7 KVA

SI units are used in this table. However, gravitational unit is used in ( ).  
\*3: Conformed to ISO9283

Air Port (for air supply; 2 ports):

Connector for internal user I/O wiring harness: LF10WBRB-12S (Socket Connector)

Prepare pin connector:LF10WBP-12P \*HIROSE\*

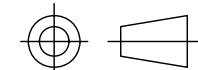
Connectors for internal user I/O wiring harness:  
LF10WBRB-12P (Pin Connector) (3 connectors)

Prepare socket connector: LF10WBP-12S \*HIROSE\*

Air inlet (6 inlets):  
Tapped hole PT3/8  
with a pipe plug

View A

REVISIONS		



SCALE 1 : 15



YASKAWA

株式会社 安川電機

作 図  
DRAW.

検 査  
CHECK

承認  
APPR

# MOTOMAN-SDA10D

## DIMENSION DIAGRAM

DWG.NO.
---------

HW0389841

EV.

F