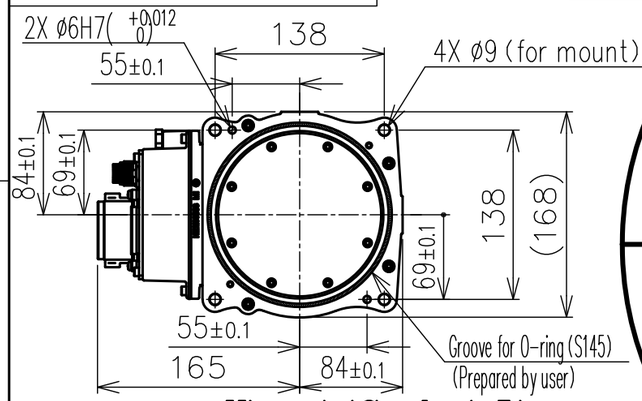
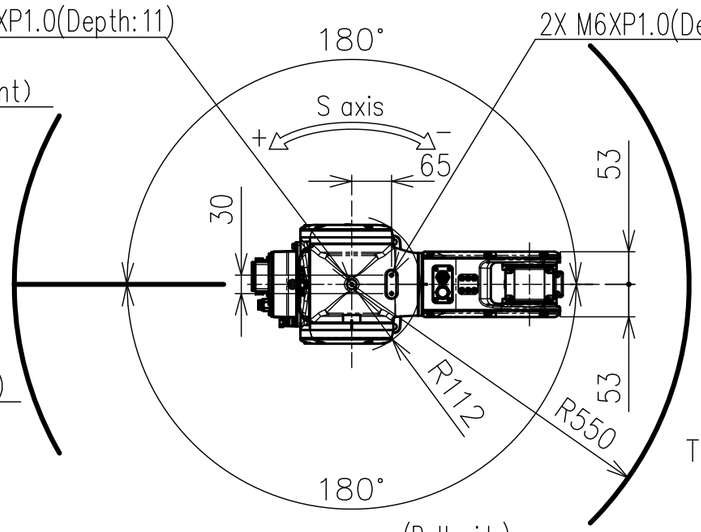
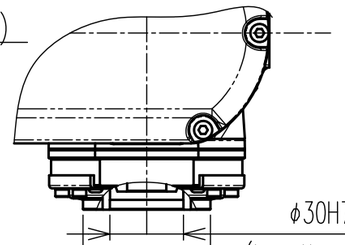
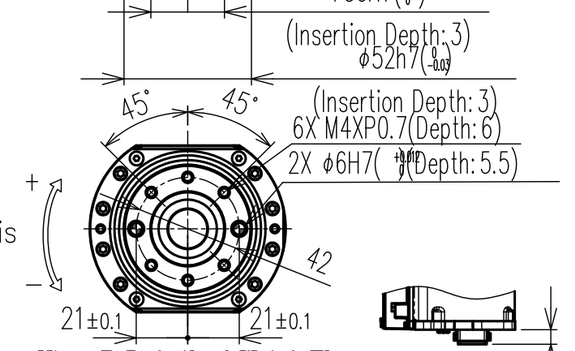
DWG.NO HW2380821



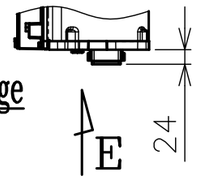
View A (Scale 1:5)



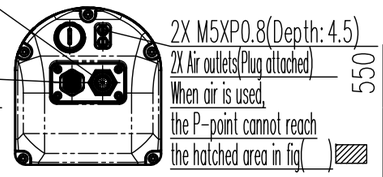




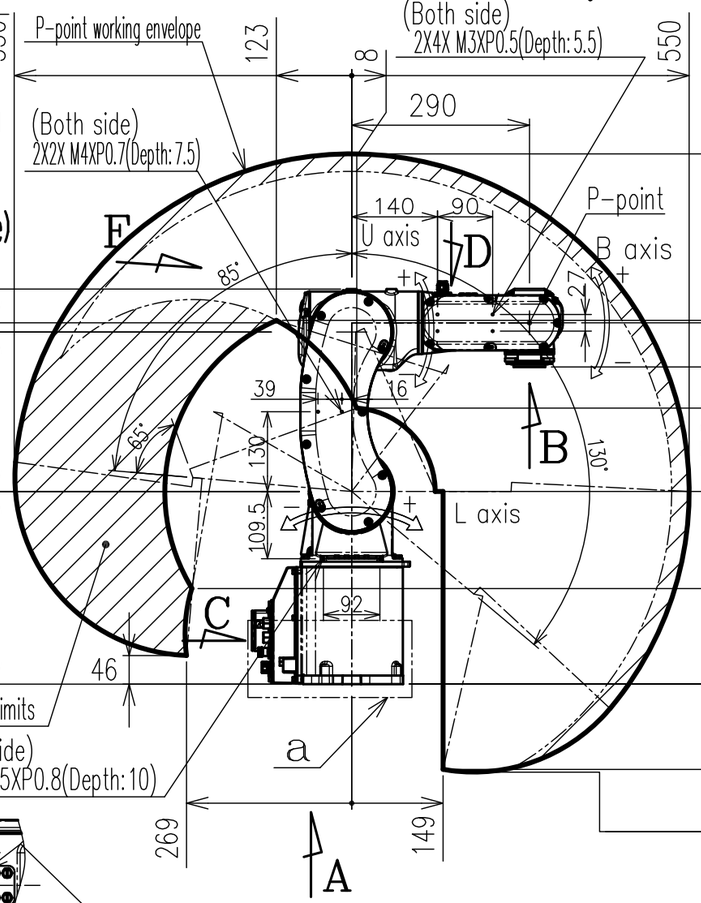
View B Detail of Wrist Flange (Scale 1:2.5)

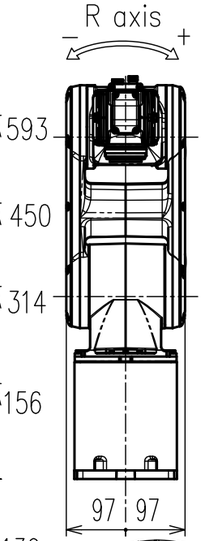


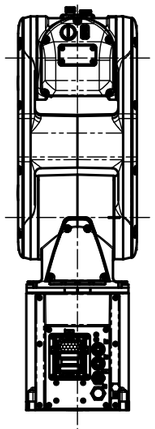
Details of a (When power cable is routed from below)

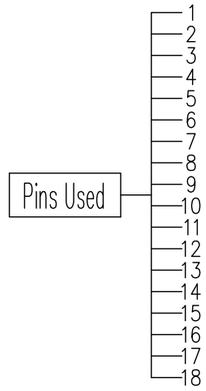


View F (Scale 1:5)
(When user cable is routed from back side)

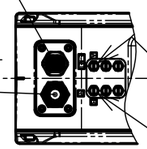


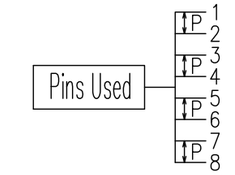






18X0.2mm²
Detail of User cable connector





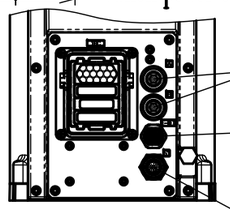
Cat.6A+PoE 8X0.1mm²
Detail of Ethernet cable connector

Ethernet cable connector
M12 X-coding 8 contacts (Socket)
(Cap attached)
Key Position: Lower right side
User cable connector
LF13WBRB-20S
(Cap attached)
Key Position: Lower Side

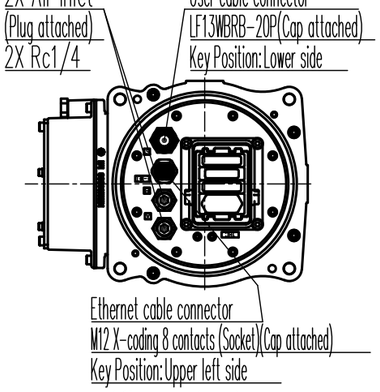
2X Air outlets
2X M5XP0.8(Depth: 4)
(Plug attached)

View D (Scale 1:5)

Type	Specification
YR-N1-06VX4-C00	Standard
YR-N1-06VX4-C01	Anti-corrosive coat spec.



View C (Scale 1:5)



View E (Scale 1:5)
(When power cable is routed from below)

Item		Model: MOTOMAN NEXT-NEX4
Configuration		Vertically articulated
Degree of freedom		6
Payload	Wrist	4kg
	On U-arm(*1)	1kg
Repeatability(*2)		0.01mm
Range of motion	S-axis	−180°– +180°
	L-axis	−85°– +130°
	U-axis	−65°– +200°
	R-axis	−200°– +200°
	B-axis	−33°– +213°
	T-axis	−455°– +455°
Maximum speed (*3)	S-axis	8.11rad/s, 465°/s
	L-axis	8.11rad/s, 465°/s
	U-axis	9.16rad/s, 525°/s
	R-axis	9.86rad/s, 565°/s
	B-axis	9.86rad/s, 565°/s
	T-axis	17.45rad/s, 1000°/s
Allowable moment	R-axis	8.86Nm (0.90kgfm)
	B-axis	8.86Nm (0.90kgfm)
	T-axis	4.9Nm (0.50kgfm)
Allowable inertia (GD²/4)	R-axis	0.2kg·m²
	B-axis	0.2kg·m²
	T-axis	0.07kg·m²
Mass		29kg
Protection rating		IP67
Clean rating (reference)(*4)		Equivalent to ISO class 5
Mounting method		Floor-mounted, Wall-mounted, Tilt-mounted, Ceiling-mounted
Ambient conditions	Temperature	0℃–45℃
	Humidity	20%RH–80%RH (Non-condensing)
	Vibration acceleration	4.9m/s²(0.5G)or less
	Altitude	1000m or less
	Flatness for installation	0.5mm or less
	Others	•Free from oil soot. •Free from explosive and corrosive gas or liquid. •Free from excessive electrical noise(plasma). •Free from strong magnetic field.
Power requirements(*5)		1KVA
Applicable controller		YNX1000

*1 Load on the U-arm will vary depending on the load weight of the wrist part.
*2 Repeatability conforms to ISO 9283.
*3 The maximum speed in this table is the available maximum value and will vary depending on the load, posture, or range of motion.
*4 The clean rating is for reference and not guaranteed.
*5 The power requirement value is obtained using YASKAWA's in-house measurement
*6 The posture in this drawing is in the home position.

Units : mm

Note:
1.All rights reserved.
2.Please note that the data is subject to be deleted without advance notice.
3.No warranty is given in relation to the data including the specification.
4.We are not responsible for any damages or loss caused by the use of the data.

FOR STUDY PURPOSE ONLY

SCALE 1 :10

YASKAWA
株式会社 安川電機

Reference Drawing

TITLE MOTOMAN NEXT-NEX4 DIMENSION DIAGRAM

DRWN DATE Sep.21.'23

DWG.NO. HW2380821 ②

SIZE A3