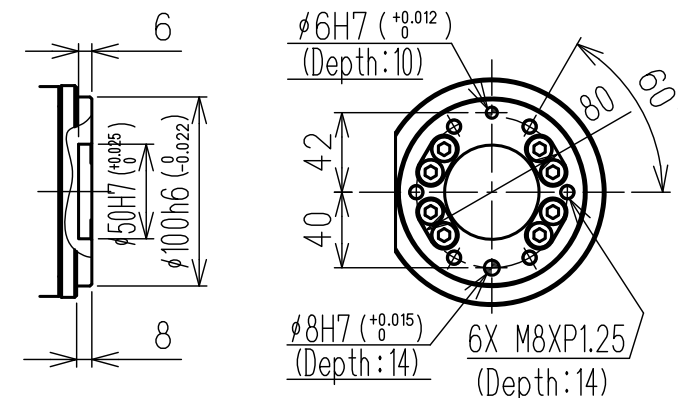
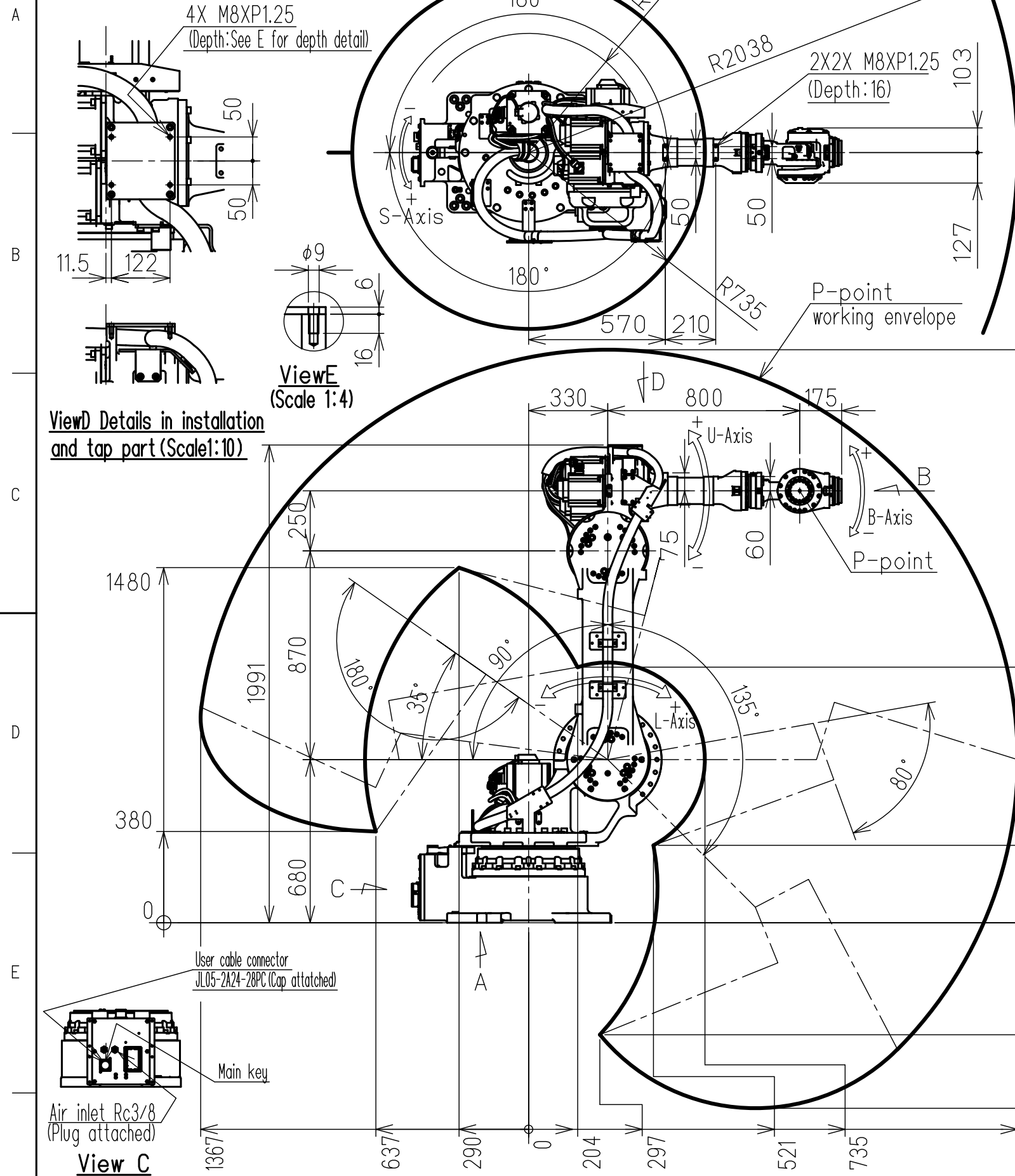
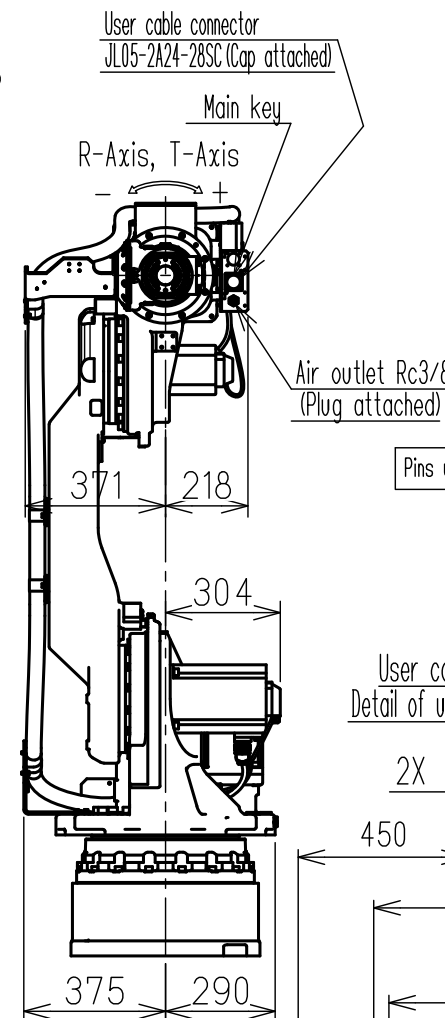


DWG.NO. HW1386093



View B
(Scale 1:4)



View A

Item	Model	MOTOMAN-GA50
Configuration	Vertically articulated	
Degree of Freedom	6	
Payload	Wrist part	50 kg (*1)
	U-arm	10 kg
Repeatability (*2)	0.015mm	
Range of Motion	S-Axis	-180° - +180°
	L-Axis	-90° - +135°
	U-Axis	-80° - +180°
	R-Axis	-360° - +360°
	B-Axis	-125° - +125°
Maximum Speed (*3)	T-Axis	-360° - +360°
	S-Axis	2.62rad/s, 150°/s
	L-Axis	2.62rad/s, 150°/s
	U-Axis	2.62rad/s, 150°/s
	R-Axis	4.36rad/s, 250°/s
Allowable Moment	B-Axis	4.36rad/s, 250°/s
	T-Axis	4.36rad/s, 250°/s
	R-Axis	110N·m (11kgf·m)
Allowable Inertia (GD ² /4)	B-Axis	110N·m (11kgf·m)
	T-Axis	55N·m (6kgf·m)
	R-Axis	7kg·m ²
Mass	855kg	
Protected structure	Body: IP54 Wrist: IP67	
Mounting method	Floor-mounted	
Ambient conditions	Temperature	0°C - +45°C
	Humidity	20%RH - 80%RH (Non-condensing)
	Vibration acceleration	Less than 4.9m/s ² (0.5G)
	Altitude	1000m or less
	Flatness for installation	0.5mm or less
Others	<ul style="list-style-type: none"> Free from explosive and corrosive gas or liquid. Free from dirt, dust, oil, soot, or water. Free from electrical noise (plasma). Free from strong magnetic field. 	
Power requirement	4.5KVA (*4)	
Applicable controller	YRC1000	

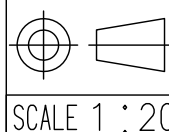
- *1 Use the robot under 30kg payload for high accuracy usage.
 *2 Repeatability conforms to ISO 9283.
 *3 The maximum speed in this table is the available maximum value and will vary depending on the load, posture, or range of motion.
 *4 The power requirement value is obtained using YASKAWA's in-house measurement conditions and will vary depending on the load, motion pattern, or cycle time.
 *5 The posture in this drawing is in the home position.

Units : mm

Type	Specification
YR-1-06VXA50-A00	Standard

Note:
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 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



YASKAWA
 株式会社 安川電機

Reference Drawing

TITLE MOTOMAN-GA50
 DIMENSION DIAGRAM

DRWN DATE Jan. 14, '20

DWG.NO. HW1386093

SIZE A3