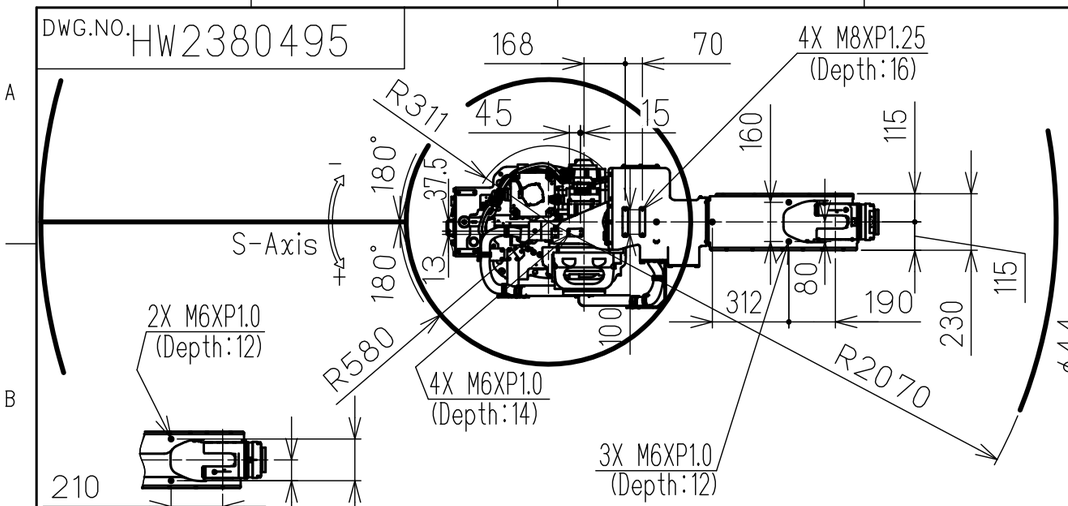
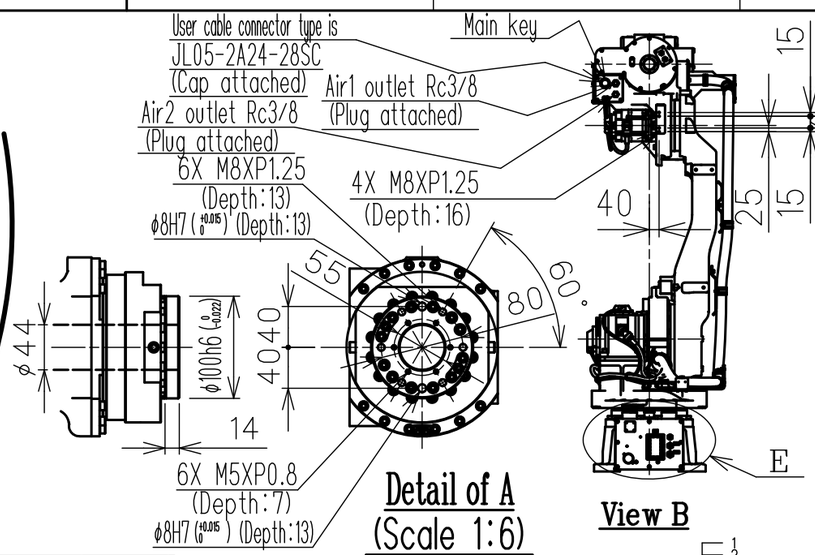
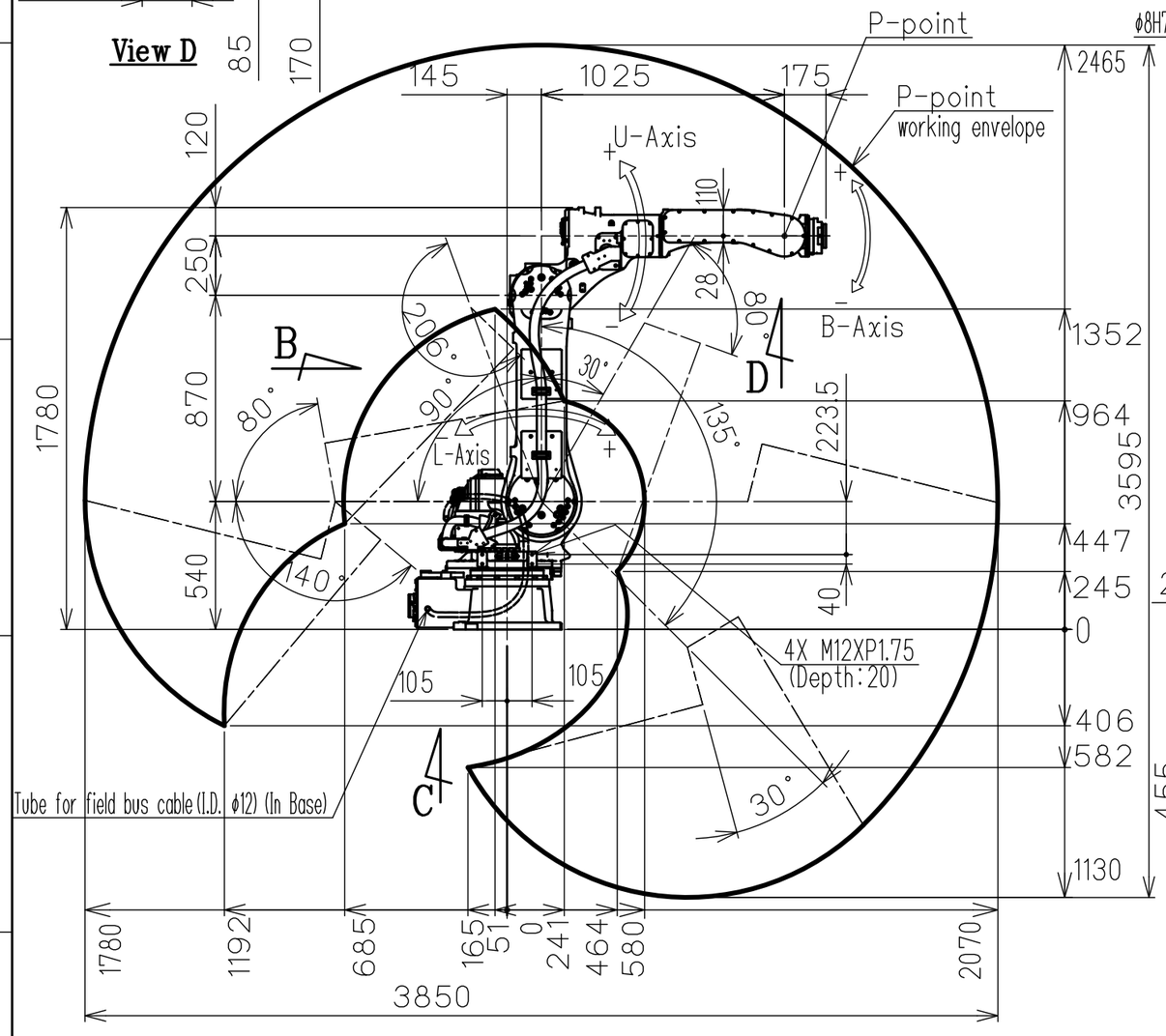
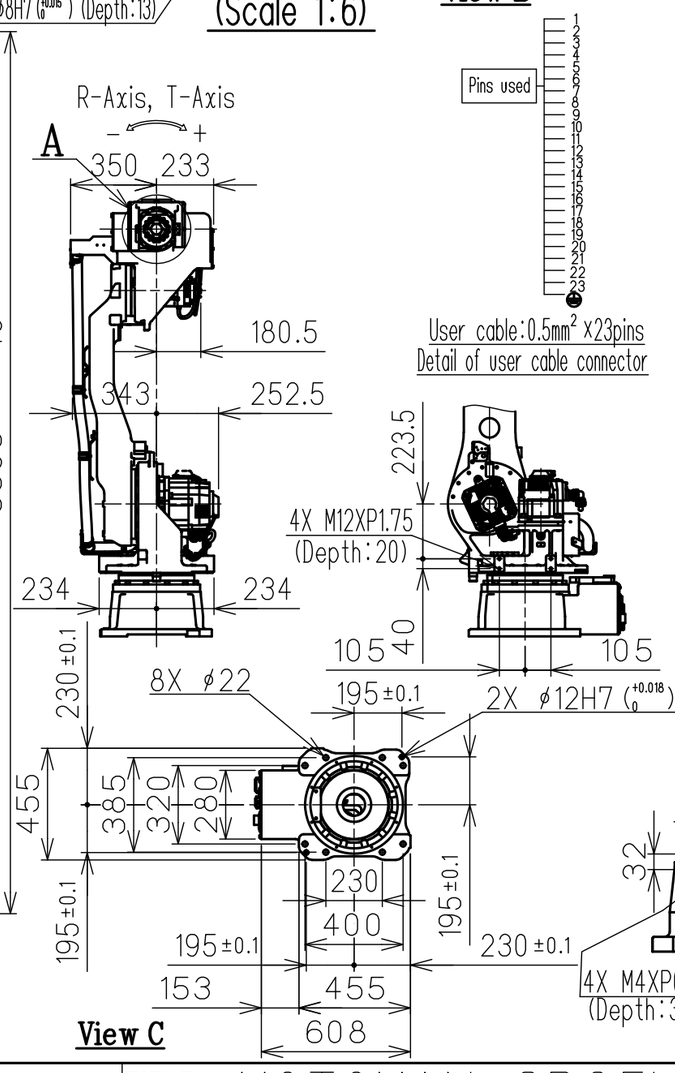
DWG.NO. HW2380495

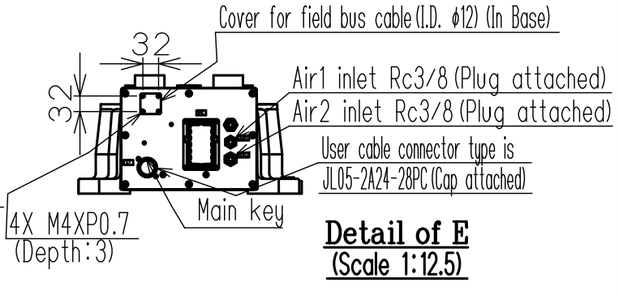








User cable:0.5mm² x23pins
Detail of user cable connector



Item \ Model		MOTOMAN-GP35H
Configuration		Vertically articulated
Degree of freedom		6
Payload	Wrist part	35kg
	U-arm (*1)	10 kg
Repeatability (*2)		0.07mm
Range of motion	S-Axis	-180° - +180°
	L-Axis	-90° - +135°
	U-Axis	-80° - +206°
	R-Axis	-200° - +200°
	B-Axis	-125° - +125°
	T-Axis	-360° - +360°
Maximum speed (*3)	S-Axis	3.14rad/s,180°/s
	L-Axis	3.14rad/s,180°/s
	U-Axis	3.49rad/s, 200°/s
	R-Axis	6.11rad/s, 350°/s
	B-Axis	6.11rad/s, 350°/s
	T-Axis	6.98rad/s, 400°/s
Allowable moment	R-Axis	150N·m (15.3kgf·m)
	B-Axis	150N·m (15.3kgf·m)
	T-Axis	120N·m (12.2kgf·m)
Allowable inertia (GD²/4)	R-Axis	20kg·m²
	B-Axis	20kg·m²
	T-Axis	10kg·m²
Mass		545kg
Protection rating		Body:IP54 Wrist:IP67
Mounting method (*4)		Floor-mounted,Wall-mounted,Tilt-mounted,Ceiling-mounted
Ambient conditions	Temperature	0°C - +45°C
	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 dirt,dust,oil soot,or water. ·Free from explosive and corrosive gas or liquid. ·Free from excessive electrical noise (plasma). ·Free from strong magnetic field.
Power requirements (*5)		4.0KVA
Applicable controller		YRC1000

Notes:
*1 The mountable load on the U-arm will vary depending on the load mass 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 When wall- or tilt-mounted, the S-axis motion range is limited.
*5 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.
*6 The posture in this drawing is in the home position.

Units:mm

Type	Specification
YR-1-06VXH35-A00	Standard

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 :25

YASKAWA
株式会社 安川電機

Reference Drawing

TITLE MOTOMAN-GP35H
DIMENSION DIAGRAM

DRWN DATE Jan. 24,'22

DWG.NO. HW2380495 ◇1

SIZE A3