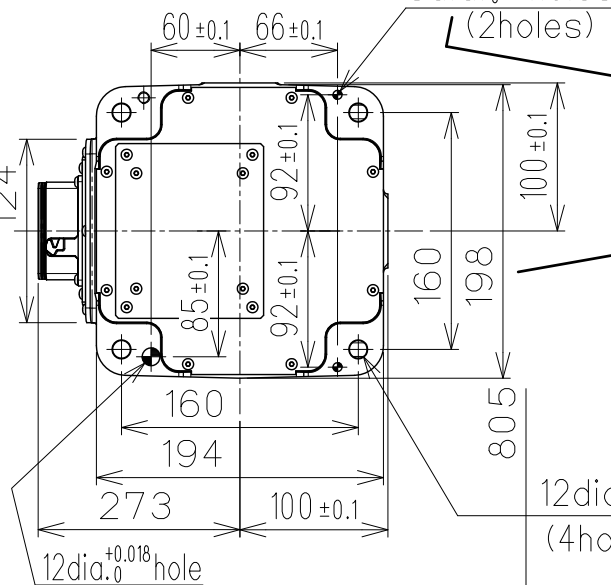


DWG.NO. HW1384164

Tapped holes M8 (depth:15mm)
(pitch:P1.25) (4holes)

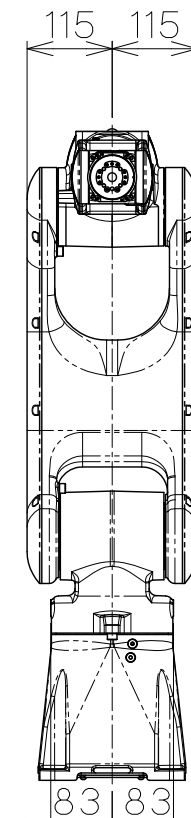
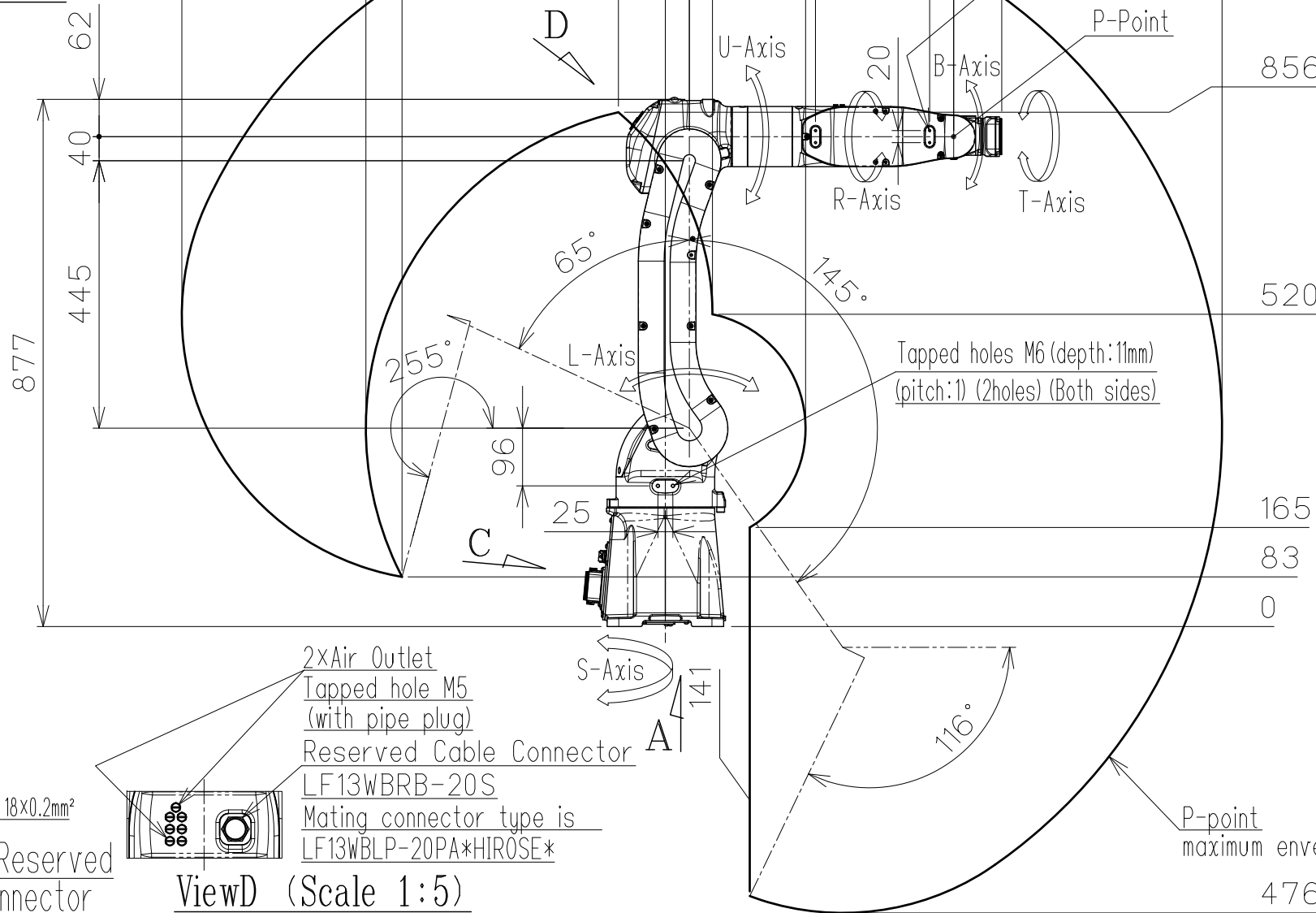
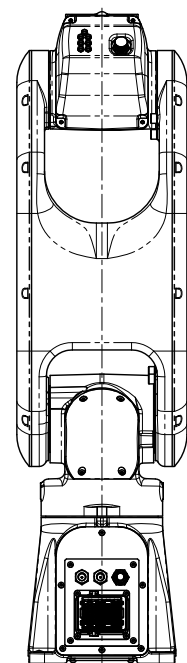
Tapped holes M5 (depth:8mm)
(pitch:0.8) (4holes)



ViewA (Scale 1:5)

ViewB Detail of Wrist Frange
(Scale 1:2)

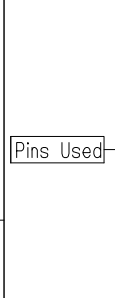
Type	Note
YR-1-06VX7-A00	STANDARD



Reserved Cable Connector
LF13WBRB-20P
Mating connector type is
LF13WBP-20S*HIROSE*
2xAir inlet Tapped hole Rc1/4
(with pipe plug)

Notes: *1 Repeatability is conformed to ISO 9283.
*2 When the manipulator is installed on a tilt or a wall,
the motion of S-axis will be limited.
*3 The manipulator is in the home position.

Item	Model	MOTOMAN-GP7/AR900
Configuration		Vertically Articulated
Degree of Freedom		6
Payload		7kg
Repeatability *1		±0.03mm
Range of motion	S-Axis (Turning)	-170° ~ +170°
	L-Axis (Lower Arm)	-65° ~ +145°
	U-Axis (Upper Arm)	-116° ~ +255°
	R-Axis (Roll)	-190° ~ +190°
	B-Axis (Pitch/Yaw)	-135° ~ +135°
	T-Axis (Twist)	-360° ~ +360°
Maximum speed	S-Axis	6.54rad/s, 375° /s
	L-Axis	5.50rad/s, 315° /s
	U-Axis	7.15rad/s, 410° /s
	R-Axis	9.59rad/s, 550° /s
	T-Axis	17.45rad/s, 1000° /s
Allowable Moment	R-Axis	17Nm (1.73kgfm)
	B-Axis	17Nm (1.73kgfm)
	T-Axis	10Nm (1.02kgfm)
Allowable Inertia (GD ² /4)	R-Axis	0.5kg·m ²
	B-Axis	0.5kg·m ²
	T-Axis	0.2 kg·m ²
Approx. Robot mass		34kg
Protected structure		IP67
Mounting method *2		Floor-mounted, Wall-mounted, Tilt-mounted, Ceiling-mounted
Ambient Conditions	Temperature	0 to 45 °C
	Humidity	20 to 80%RH (Non-Condensing)
	Vibration	Less than 4.9m/s ² (0.5G)
	Altitude	1000 m or less
	Others	•Free from explosive or corrosive gas and liquid. •Free from electrical noise. •Free from strong magnetic fields.
Power Requirements		1KVA
Controller		YRC1000



Reserved Cable: 18x0.2mm²

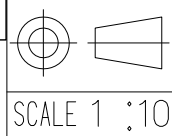
Detail of Reserved Cable Connector

2xAir Outlet
Tapped hole M5 (with pipe plug)
Reserved Cable Connector
LF13WBRB-20S
Mating connector type is
LF13WBLP-20PA*HIROSE*

ViewD (Scale 1:5)

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



YASKAWA
株式会社 安川電機

Reference Drawing

TITLE MOTOMAN-GP7/AR900
DIMENSION DIAGRAM

DRWN DATE ' 16.08.17
DWG.NO. HW1384164

SIZE A3