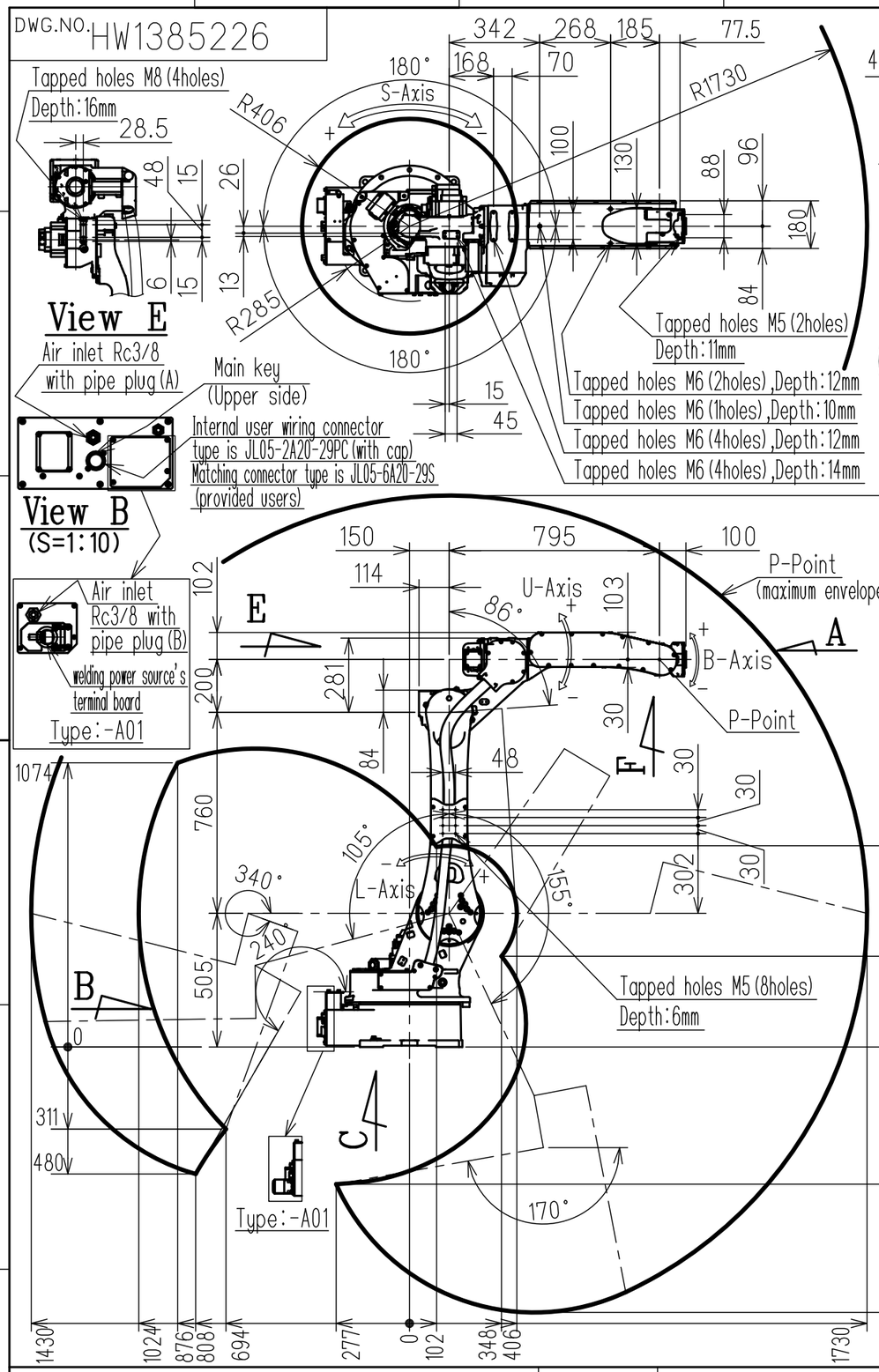
DWG.NO. HW1385226



Available Range

Type	Note
YR-1-06VXH25-A00	STANDARD:One air line (welding cable non-incorporation)
YR-1-06VXH25-A01	Two air lines (built-in welding cable)

Item \ Model		MOTOMAN-GP25
Configuration		Articulated Robot
Degree of Freedom		6
Payload	Wrist	25kg
	On U-arm (※1)	12kg
Repeatability (※2)		±0.06mm
Range of Motion	S-Axis	-180° ~ +180°
	L-Axis	-105° ~ +155°
	U-Axis	-86° ~ +160°
	R-Axis	-200° ~ +200°
	B-Axis	-150° ~ +150°
	T-Axis	-455° ~ +455°
Max Speed	S-Axis	3.67rad/s, 210°/s
	L-Axis	3.67rad/s, 210°/s
	U-Axis	4.63rad/s, 265°/s
	R-Axis	7.33rad/s, 420°/s
	B-Axis	7.33rad/s, 420°/s
	T-Axis	15.44rad/s, 885°/s
Allowable Moment	R-Axis	52N·m (5.3kgf·m)
	B-Axis	52N·m (5.3kgf·m)
	T-Axis	32N·m (3.3kgf·m)
Allowable Inertia (GD²/4)	R-Axis	2.3kg·m²
	B-Axis	2.3kg·m²
	T-Axis	1.2kg·m²
Approx.Robot mass		250kg
Protected structure		Body:IP54 Wrist:IP67
Mounting method (※3)		Floor-mounted,Wall-mounted,Tilt-mounted,Ceiling-mounted
Ambient Conditions	Temperature	0~45℃
	Humidity	20~80%RH (Non-condensing)
	Vibration	4.9m/s² (0.5G) or less
	Altitude	1000m or less
	Others	·Free from explosive or corrosive gas and liquid. ·Free from dust,soot,oil,or water. ·Free from electrical noise. ·Free from strong magnetic fields.
Power Requirements		2.0KVA
Controller		YRC1000

Notes: ※1 Load on the U-arm will vary depending on the load weight of the wrist part.
※2 Repeatabilitiy is conformed to ISO 9283.
※3 When the manipulator is installed on a slope or a wall, the motion of S-axis will be limited.
※4 The manipulator 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 :20

YASKAWA
株式会社 安川電機

Reference Drawing

TITLE MOTOMAN-GP25 DIMENSION DIAGRAM

DRWN DATE May.12.'17

DWG.NO. HW1385226

SIZE A3