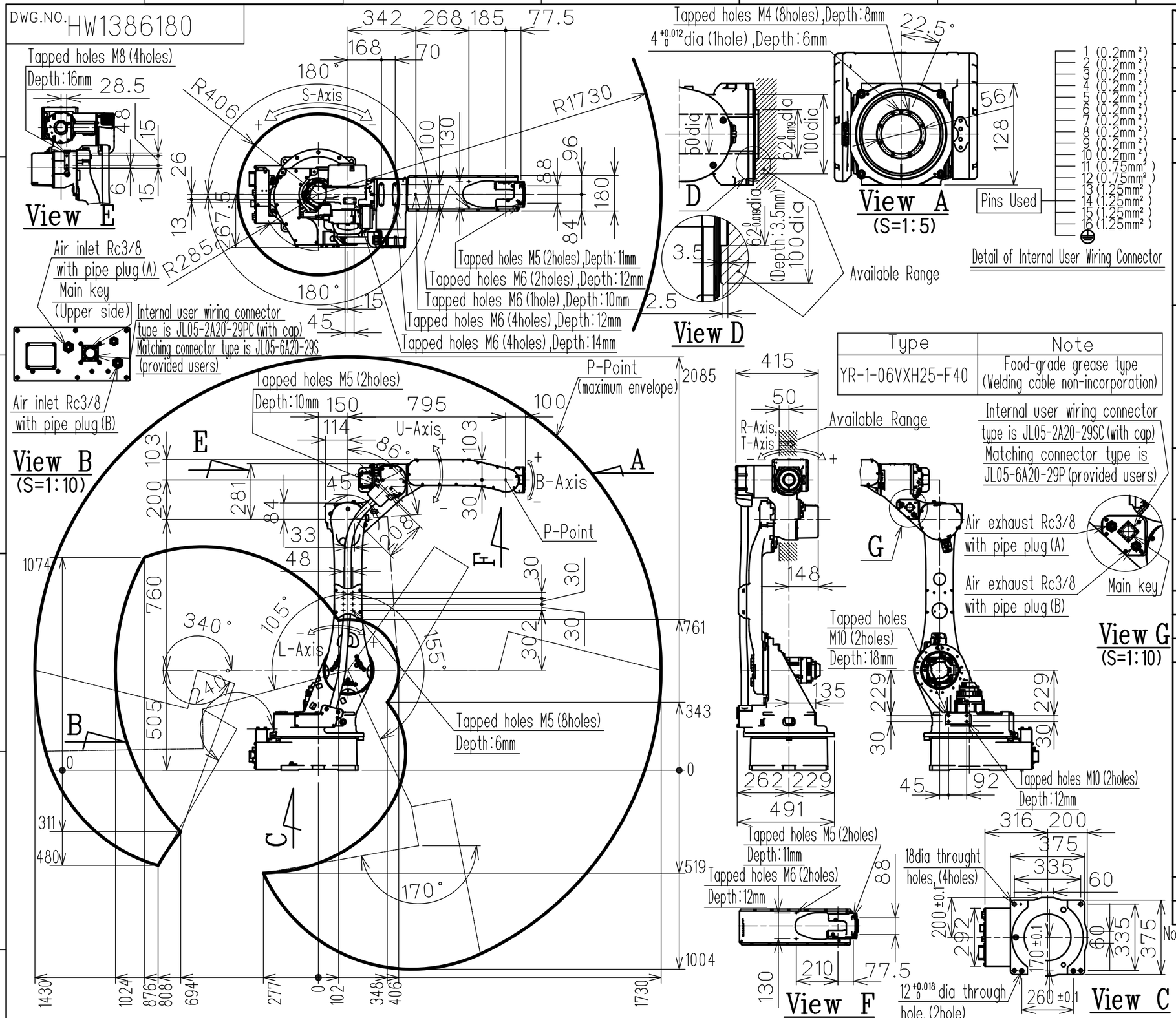
DWG.NO. HW1386180



Type	Note
YR-1-06VXH25-F40	Food-grade grease type (Welding cable non-incorporation)

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 ($GD^2/4$)	R-Axis	2.3kg·m²
	B-Axis	2.3kg·m²
	T-Axis	1.2kg·m²
Approx,Robot mass		265kg
Protected structure		Body:IP65 Wrist:IP67
Mounting method (※3)		Floor-mounted,Wall-mounted,Tilt-mounted,Ceiling-mounted
Ambient Conditions	Temperature	15~45℃
	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. •Not to be splashed with oil. •Not to be covered with dust. •To be no material to influence the lip of oil seal made of butadiene acrylonitrile (NBR). •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 Repeatability 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 (Food-grade greace type)

DIMENSION DIAGRAM

DRWN DATE Sep.10.'18

DWG.NO. HW1386180

SIZE A3