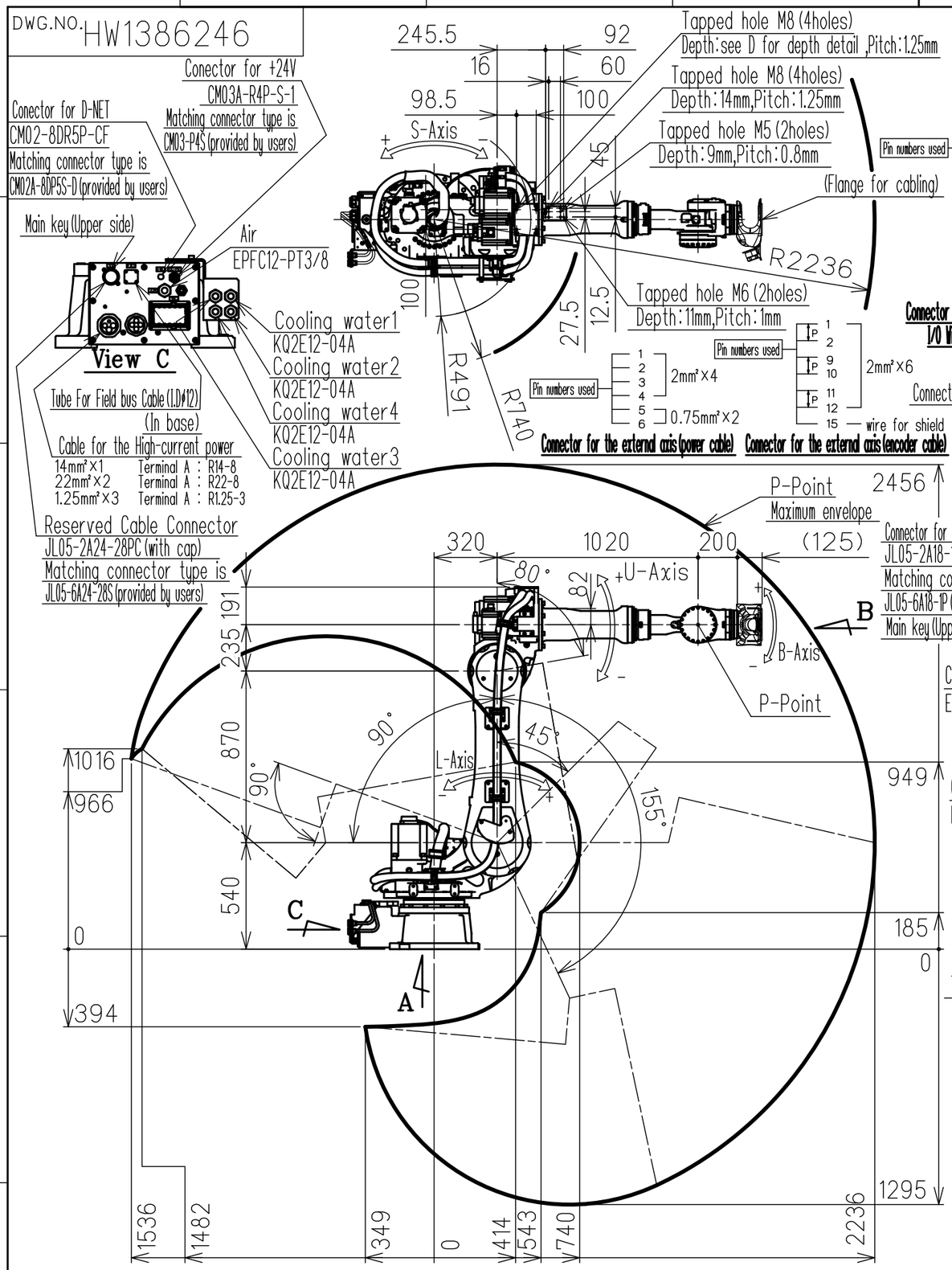
DWG.NO. HW1386246



Type	Note
YR-1-06VX140-A00	Standard

Item \ Model		MOTOMAN-SP130	
Flange for cabling		Not-equipped	equipped
Configuration		Vertically articulated	
Degree of Freedom		6	
Payload	Wrist	140kg	130kg
	On U-arm	10kg	
Repeatability (※1)		0.03mm	
Range of Motion	S-Axis	-180° - +180°	
	L-Axis	-90° - +155°	
	U-Axis	-80° - +90°	
	R-Axis	-360° - +360°	-205° - +205°
	B-Axis	-125° - +125°	-120° - +120°
	T-Axis	-360° - +360°	-205° - +205°
Max Speed	S-Axis	2.45 rad/s,140°/s	
	L-Axis	1.92 rad/s,110°/s	
	U-Axis	2.27 rad/s,130°/s	
	R-Axis	3.05 rad/s,175°/s	
	B-Axis	3.05 rad/s,175°/s	
	T-Axis	4.44 rad/s,255°/s	
Allowable Moment	R-Axis	845N·m (86.2kgf·m)	820N·m (83.6kgf·m)
	B-Axis	845N·m (86.2kgf·m)	820N·m (83.6kgf·m)
	T-Axis	360N·m (36.7kgf·m)	
Allowable Inertia (GD²/4)	R-Axis	73kg·m²	71kg·m²
	B-Axis	73kg·m²	71kg·m²
	T-Axis	38.7kg·m²	38kg·m²
Approx.Robot mass		660kg	
Protected structure		Body:IP54 Wrist:IP67	
Mounting method		Floor-mounted	
Ambient Conditions	Temperature	0°C to +45°C	
	Humidity	20%RH to 80%RH (Non-condensing)	
	Vibration	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 fields.	
Power Requirements		5.0kVA	
Controller		YRC1000	

※1 Repeatability is conformed to ISO 9283.
※2 The manipulator is in the home position.

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-SP130
DIMENSION DIAGRAM

DRWN DATE Dec.12.'18
DWG.NO. HW1386246 ①

SIZE A3