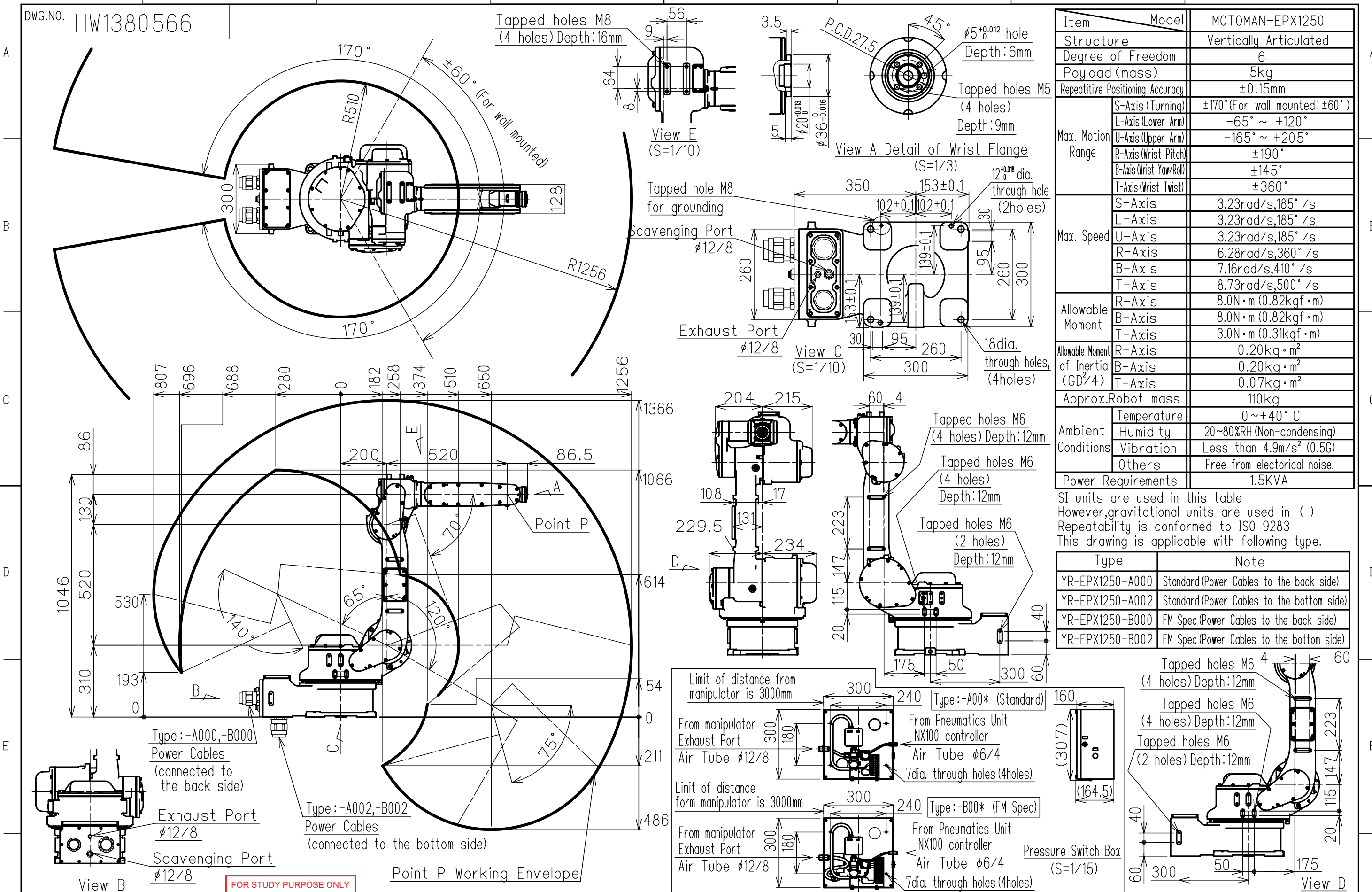


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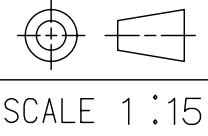


Item	Model	MOTOMAN-EPX1250
Structure		Vertically Articulated
Degree of Freedom		6
Payload (mass)		5kg
Repetitive Positioning Accuracy		±0.15mm
Max. Motion Range	S-Axis (Turning)	±170° (For wall mounted: ±60°)
	L-Axis (Lower Arm)	-65° ~ +120°
	U-Axis (Upper Arm)	-165° ~ +205°
	R-Axis (Wrist Pitch)	±190°
	B-Axis (Wrist Yaw/Roll)	±145°
Max. Speed	T-Axis (Wrist Twist)	±360°
	S-Axis	3.23rad/s, 185°/s
	L-Axis	3.23rad/s, 185°/s
	U-Axis	3.23rad/s, 185°/s
	R-Axis	6.28rad/s, 360°/s
Allowable Moment	B-Axis	7.16rad/s, 410°/s
	T-Axis	8.73rad/s, 500°/s
	R-Axis	8.0N·m (0.82kgf·m)
Allowable Moment of Inertia (GD <sup>2</sup> /4)	B-Axis	8.0N·m (0.82kgf·m)
	T-Axis	3.0N·m (0.31kgf·m)
	T-Axis	0.20kg·m <sup>2</sup>
Approx. Robot mass		110kg
Ambient Conditions	Temperature	0 ~ +40°C
	Humidity	20 ~ 80%RH (Non-condensing)
	Vibration	Less than 4.9m/s <sup>2</sup> (0.5G)
	Others	Free from electrical noise.
Power Requirements		1.5KVA

SI units are used in this table  
 However, gravitational units are used in ( )  
 Repeatability is conformed to ISO 9283  
 This drawing is applicable with following type.

Type	Note
YR-EPX1250-A000	Standard (Power Cables to the back side)
YR-EPX1250-A002	Standard (Power Cables to the bottom side)
YR-EPX1250-B000	FM Spec (Power Cables to the back side)
YR-EPX1250-B002	FM Spec (Power Cables to the bottom side)

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.



Reference Drawing

TITLE MOTOMAN-EPX1250  
 DIMENSION DIAGRAM

DWG.NO. HW1380566

SIZE A3