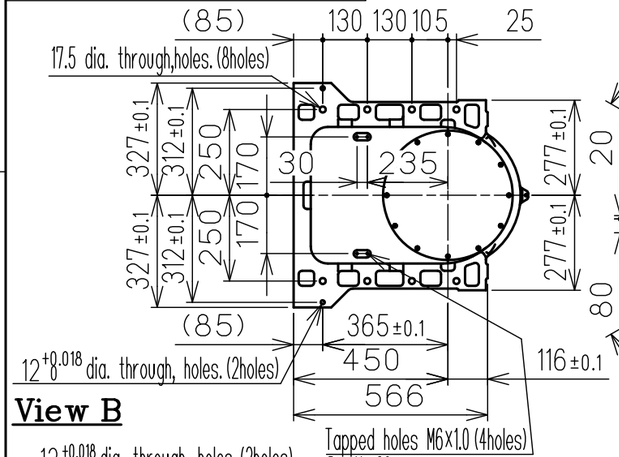
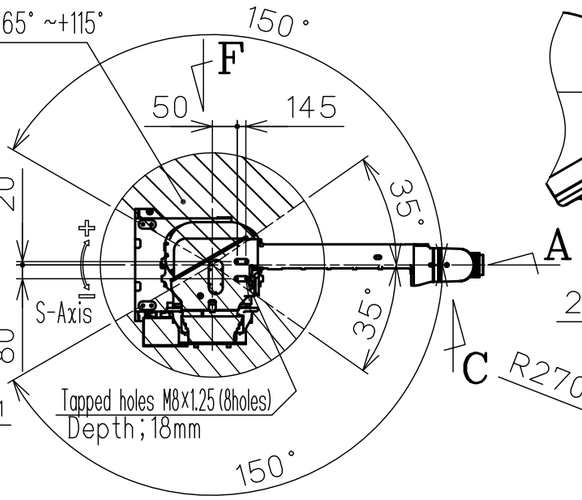
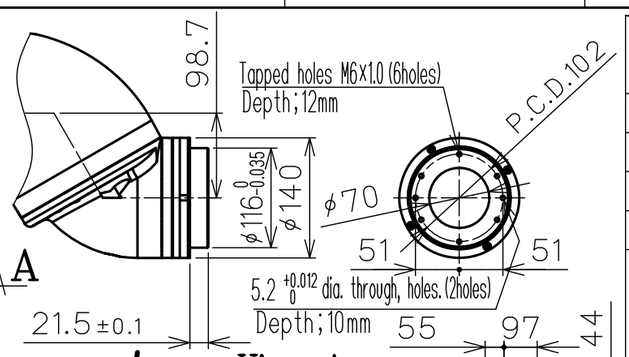
DWG.NO. HW1383967

☆ L Working range : -65° ~+115°

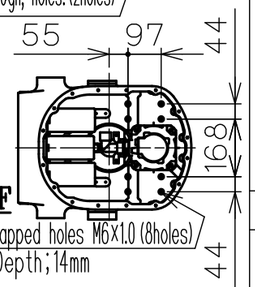


View B

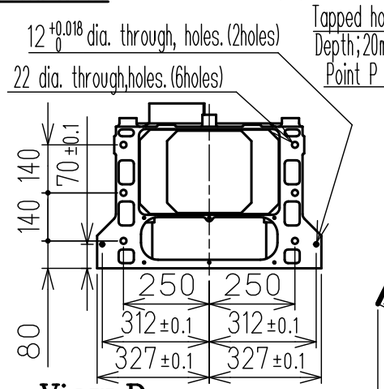




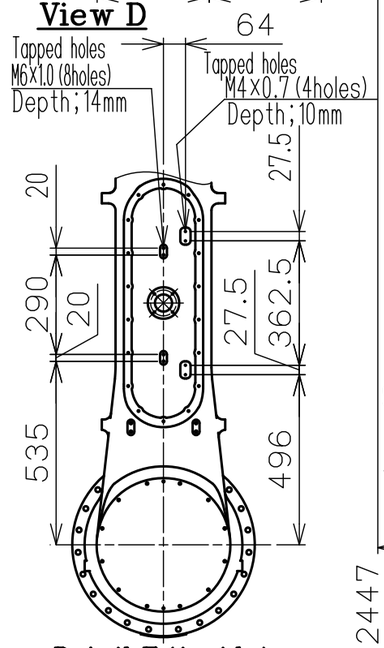
View A



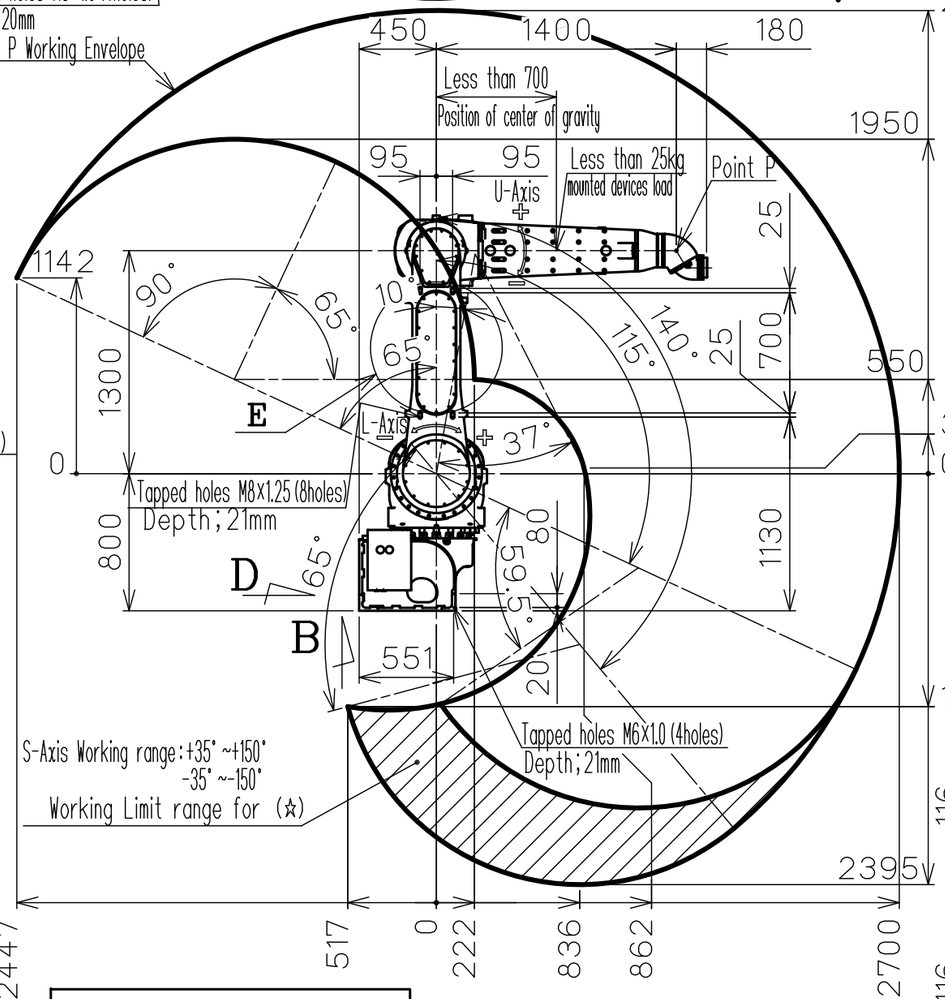
View F

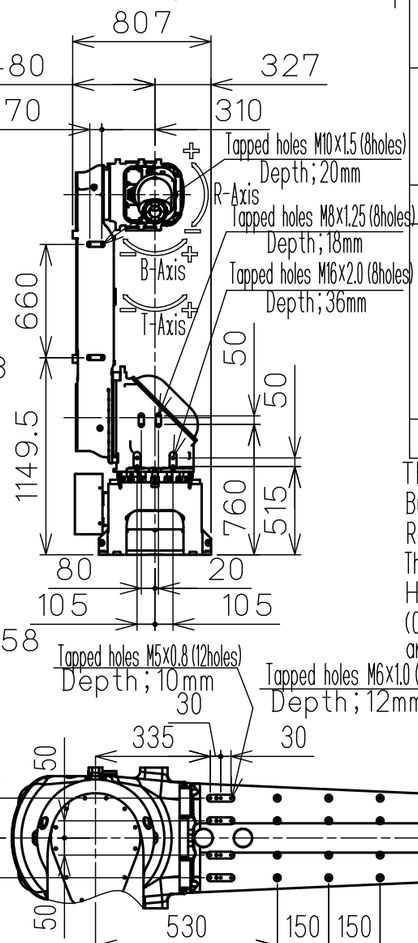


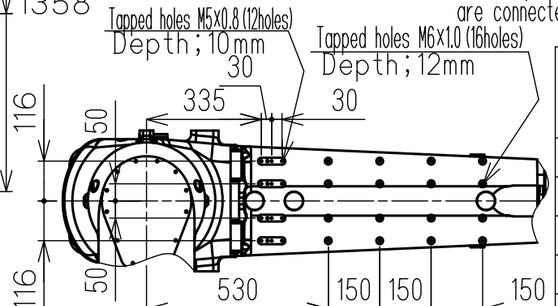
View D



Detail E (inside)







View C

Item \ Model		MOTOMAN-MPX3500
Structure		Articulated Robot
Degree of Freedom		6
Payload (mass)		15kg
Repetitive Positioning Accuracy		±0.15mm
Max.Motion Range	S-Axis (Turning)	+150° ~ -150°
	L-Axis (Lower Arm)	+140° ~ -65°
	U-Axis (Upper Arm,Lower Arm)	+90° ~ -65°
	R-Axis (Roll)	+720° ~-720°
	B-Axis (Pitch/Yaw)	+720° ~-720°
	T-Axis (Twist)	+720° ~-720°
Max.Speed		2m/s
Allowable Moment	R-Axis	93.2N·m (9.5kgf·m)
	B-Axis	58.8N·m (6.0kgf·m)
	T-Axis	19.6N·m (2.0kgf·m)
Allowable Inertia ($GD^2/4$)	R-Axis	3.75kg·m²
	B-Axis	2.225kg·m²
	T-Axis	0.20kg·m²
Approx.Robot mass		590kg
Location	Ambient Temperature	0 ~+40℃
	Relative Humidity	20~80%RH (Non-condensing)
	Vibration	Less than 4.9m/s²(0.5G)
	Others	To be no electoric noise factor near.
Power Supply		3.0KVA

This table is written in SI units.
But numbers in ( ) are written in Gravity units.
Repetitive Positioning Accuracy is based on ISO 9283.
The robot position shown in this drawing is the original position
How the communication cables
(CC-LINK,Devicenet,Ethernet (or EtherCAT or PROFINET))
are connected is shown in the wiring diagram in the user manual

type	Note/ Explosionproof authentication
YR-MPX3500-A1*	R-Type/TIIS
YR-MPX3500-B1*	R-Type/FM
YR-MPX3500-C1*	R-Type/ATEX
YR-MPX3500-D1*	R-Type/NEPSI
YR-MPX3500-E1*	R-Type/KCs

FOR STUDY PURPOSE ONLY

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.

SCALE 1 :35

YASKAWA
株式会社 安川電機

Reference Drawing

TITLE MOTOMAN-MPX3500 DIMENSION DIAGRAM

DRWN DATE Mar.31.'15

DWG.NO. HW1383967 ②

SIZE A3