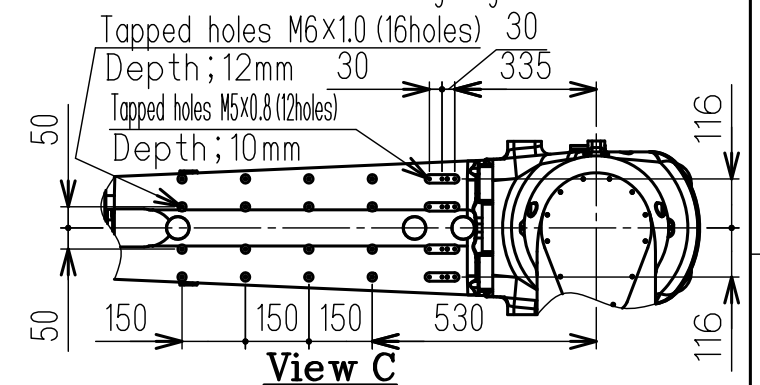


Model		MOTOMAN-MPX3500
Item		
Structure		Articulated Robot
Degree of Freedom		6
Payload (mass)		15kg
Repetitive Positioning Accuracy		$\pm 0.15\text{mm}$
Max.Motion Range	S-Axis (Turning)	$+150^{\circ} \sim -150^{\circ}$
	L-Axis (Lower Arm)	$+140^{\circ} \sim -65^{\circ}$
	U-Axis (Upper Arm, Lower Arm)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

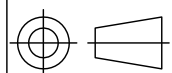


FOR STUDY PURPOSE ONLY

type	Note/ Explosionproof authentication
YR-MPX3500-F0*	L-Type/ZONE2

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	May.14.' 15
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DWG.NO.

HW1384069①

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