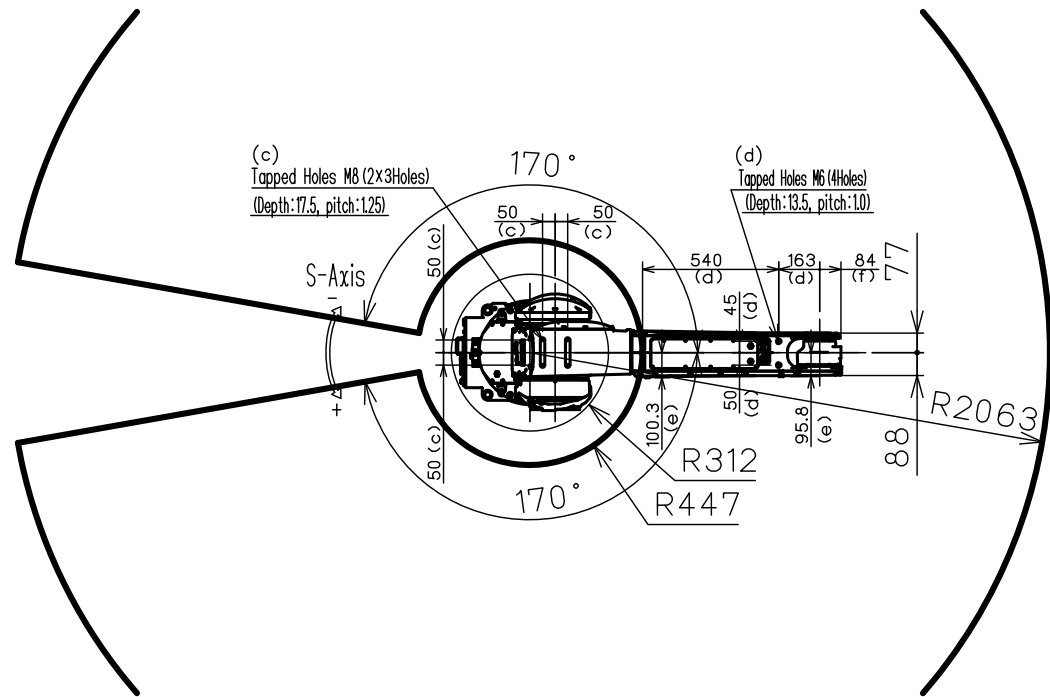
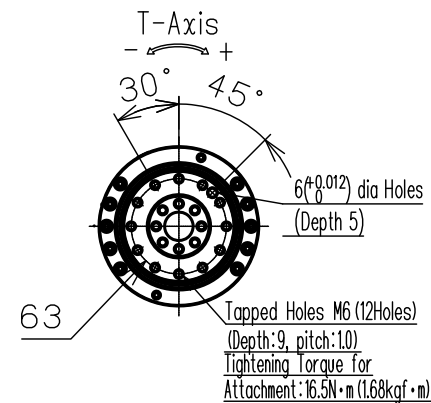
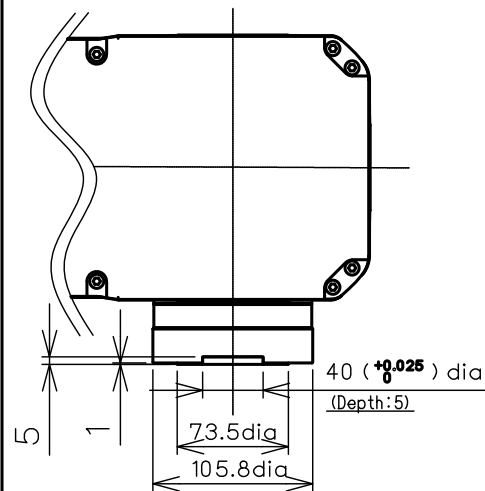
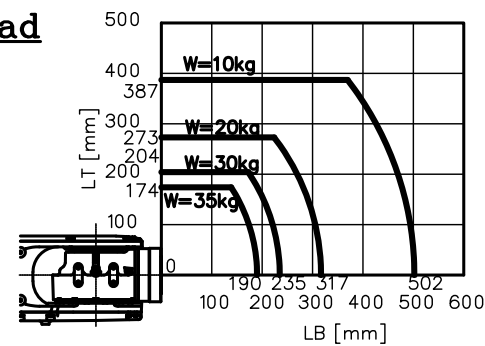
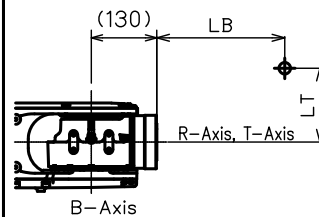


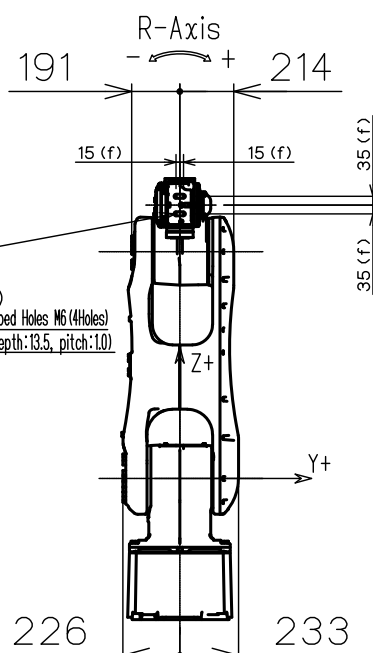
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Allowable Wrist Load (SCALE 1:15)



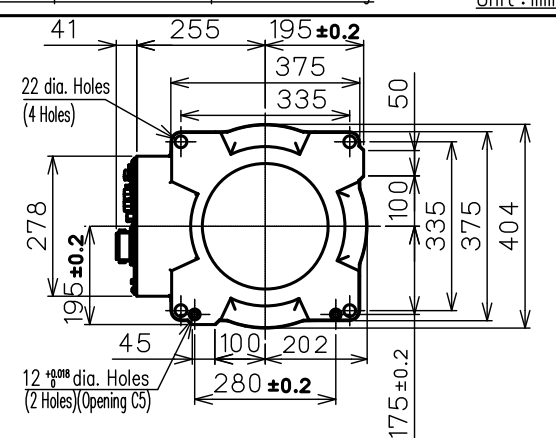
View E (SCALE 1:5)



Type	Specification	備考
YR-N1-06VX35-C00	Standard	Built-in Air Hoses, Internal User (4 wires), Internal User (20 wires), I/O (8 wires) and Ethernet cables
YR-N1-06VX35-C02	Anti-corrosive coat	
YR-N1-06VX35-C01	Standard	Built-in Air Hoses, Internal User (4 wires), Internal User (20 wires), I/O (8 wires) and Ethernet (2 sets) cables
YR-N1-06VX35-C03	Anti-corrosive coat	

Item	Model	MOTOMAN NEXT-NEX35
Configuration		Vertically Articulated
Degree of Freedom		6
Payload	Wrist	35kg
	On Upper Arm ^{*1}	10kg
Repeatability ^{*2}		0.04mm
Range of Motion	S-Axis (Turning) ^{*3}	-170° - +170°
	L-Axis (Lower Arm)	-90° - +140°
	U-Axis (Upper Arm)	-82° - +180°
	R-Axis (Roll)	-200° - +200°
	B-Axis (Pitch/Yaw)	-35° - +215°
	T-Axis (Twist)	-360° - +360°
Maximum Speed ^{*4}	S-Axis	3.14rad/s, 180°/s
	L-Axis	3.14rad/s, 180°/s
	U-Axis	3.49rad/s, 200°/s
	R-Axis	6.10rad/s, 350°/s
	B-Axis	6.10rad/s, 350°/s
	T-Axis	6.98rad/s, 400°/s
Allowable Moment	R-Axis	110N·m (11.2kgf·m)
	B-Axis	110N·m (11.2kgf·m)
	T-Axis	60N·m (6.1kgf·m)
Allowable Inertia (GD ² /4)	R-Axis	4kg·m ²
	B-Axis	4kg·m ²
	T-Axis	1.5kg·m ²
Approx. Mass		370kg
Protected Structure		All Axis:IP67
Cleanliness (Reference) ^{*5}		Equivalent to ISO class 5
Mounting Method ^{*3}		Floor-, Tilt-, Wall-, Ceiling-mounted
Ambient Conditions	Temperature	0 to 45°C
	Humidity	20 to 80%RH (Non-Condensing)
	Vibration	4.9m/s ² (0.5G) or Less
	Altitude	1000m or Less
	Flatness	0.5mm or Less
	Others	•Free from explosive and corrosive gas or liquid. •Free from electrical noise (Plasma). •Free from strong magnetic fields.
Power Requirements ^{*6}		2.5kVA
Applicable Controller		YNX1000

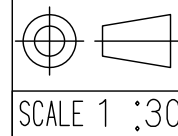
^{*1} Load on the Upper arm will vary depending on the load weight of the wrist part.
^{*2} Repeatability conforms to ISO 9283.
^{*3} Range of motion for S-axis will be limited when the manipulator is tilt- or wall-mounted.
^{*4} The maximum speed in this table is the available maximum value and will vary depending on the load, posture, or range of motion.
^{*5} The cleanliness class is for reference and not guaranteed.
^{*6} The power requirement value is obtained using YASKAWA's in-house measurement conditions and will vary depending on the load, motion pattern, or cycle time.
^{*7} The manipulator is in the home position on this drawing.
Unit : mm



View A (SCALE 1:15)

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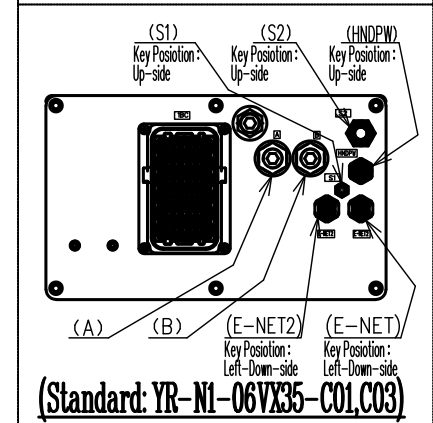
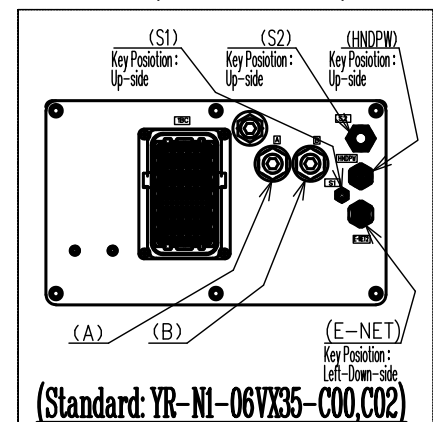
Reference Drawing

TITLE MOTOMAN NEXT-NEX35
DIMENSION DIAGRAM

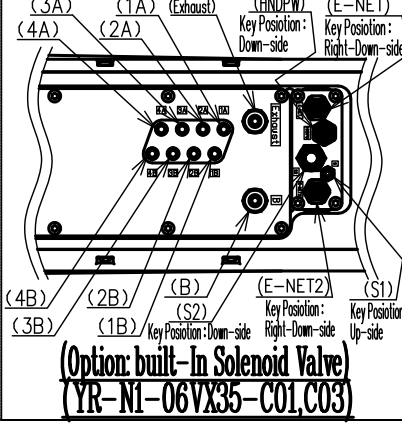
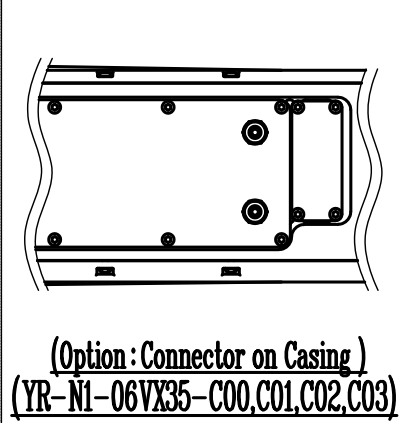
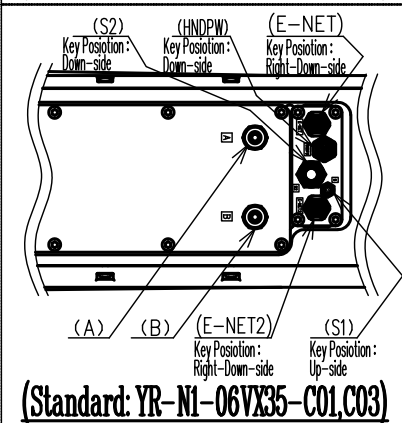
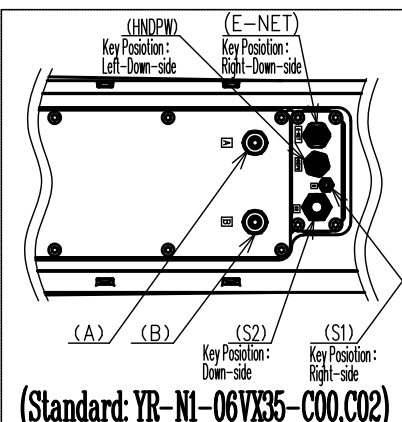
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SIZE A3

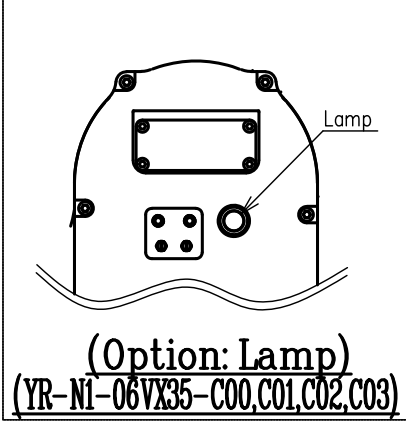
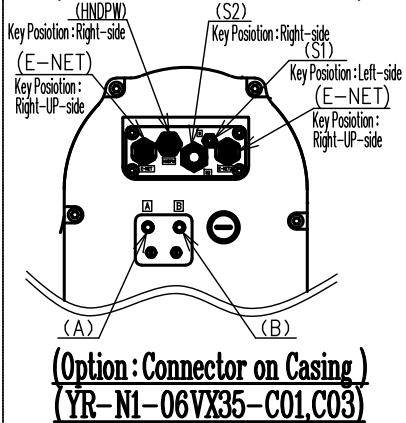
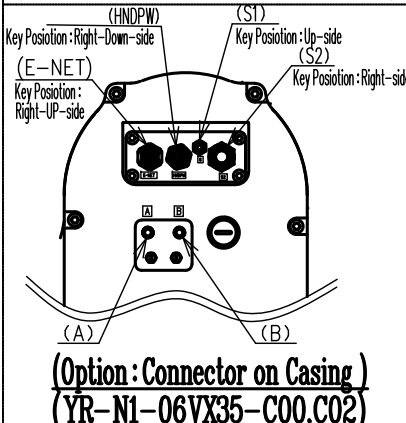
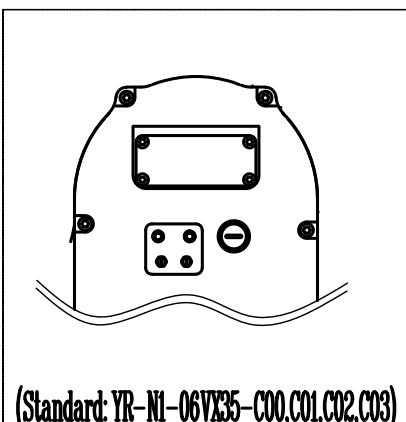
View B (SCALE 1: 6)



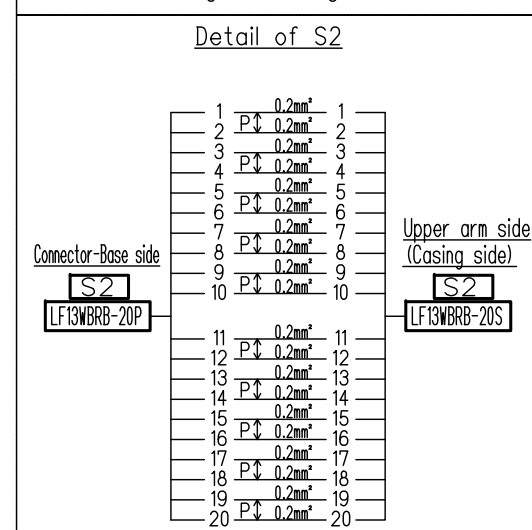
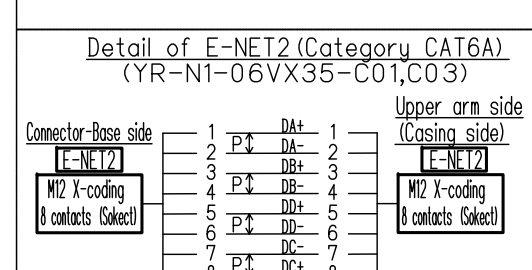
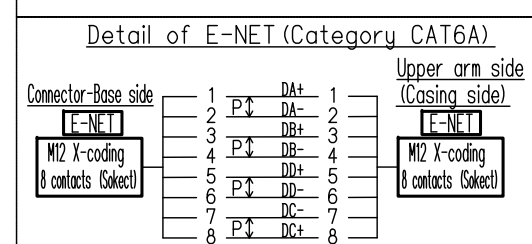
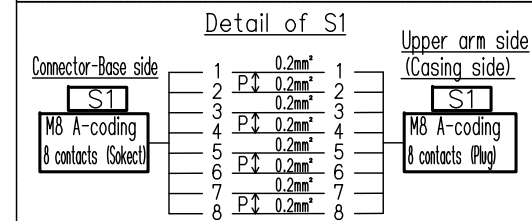
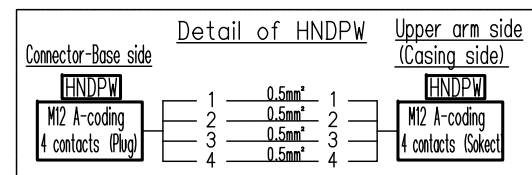
View C (SCALE 1: 6)



View D (SCALE 1: 6)

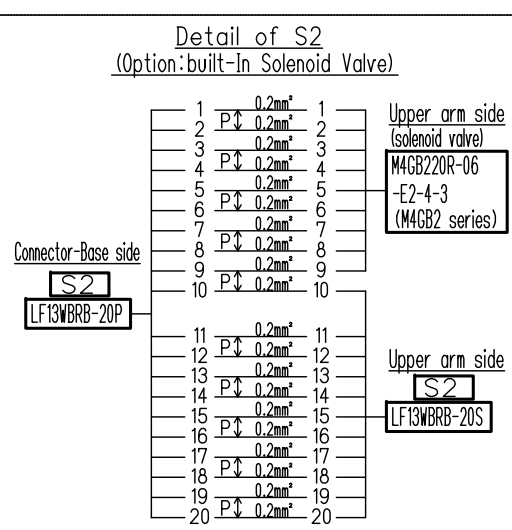


Detail of Equipment cable



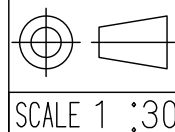
Equipment cable connector model/specifications

Connector Position	name	Manipulator side	the other side (Connector Prepared by USER)
• Upper arm side	S1	I/O Cable Connector	M8 A-coding 8 contacts (Plug)
• Casing side (Option)	S2	Internal User Cable Connector	LF13WBRB-20S
	HNDPW	Internal User Cable Connector	M12 A-coding 4 contacts (Socket)
	E-NET	Ethernet Cable Connector	M12 X-coding 8 contacts (Socket)
	E-NET2	Ethernet Cable Connector (YR-N1-06VX35-C01,C03)	M12 X-coding 8 contacts (Socket)
	A	Air1 Outlet	Rc1/8 (with a plug)
	B	Air2 Outlet	Rc1/8 (with a plug)
Connector-Base side	S1	I/O Cable Connector	M8 A-coding 8 contacts (Socket)
	S2	Internal User Cable Connector	LF13WBRB-20P
	HNDPW	Internal User Cable Connector	M12 A-coding 4 contacts (Plug)
	E-NET	Ethernet Cable Connector	M12 X-coding 8 contacts (Socket)
	E-NET2	Ethernet Cable Connector (YR-N1-06VX35-C01,C03)	M12 X-coding 8 contacts (Socket)
	A	Air1 Inlet	Rc3/8 (with a plug)
	B	Air2 Inlet	Rc3/8 (with a plug)
Upper arm side (Option: built-In solenoid valve)	Exhaust	Solenoid valve exhaust port	Rc1/8
	B	Air2 Outlet	Rc1/8 (with a plug)
	1A		
	2A		
	3A		
	4A		
	1B	Solenoid valve supply port	Rc1/8 (with a plug)
	2B		
	3B		
	4B		



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Reference Drawing

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DIMENSION DIAGRAM

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