

Axis	6-axis		Moving speed	Moving range
Motion radius	1550mm	J1 axis S	290°/s	±180°
Power capacity	8.0KVA	J2 axis L	237°/s	+90°~-170°
Payload	15KG	J3 axis U	270°/s	+155°~-90°
Protection class	IP65/IP67	J4 axis R	360°/s	±190°
Repeatability	±0.03mm	J5 axis B	360°/s	±135°
Robot mass	147KG	J6 axis T	700°/s	±360°
Power capacity	Φ8		Axis 4 R (N.m)	23
Signals	Standard 16 in/16 out 24 VDC		Axis 5 B (N.m)	23
Install	Floor		Axis 6 T (N.m)	10



Installation Environment

Temperature	0-45°C	Humidity	20~80%RH(no condensing)	No corrosive or combustible gas, no water, no splashing	No excessive oil or dust
Vibrations	Below 4.9M/S2 (0.5G)	Altitude	Below 1000M	Away from electromagnetic source	Away from magnetic field

Control cabinet specifications

Overall dimension	600(width)*495(depth)*580(height)mm (with protrusions)
Approximate mass	80KG
Cooling method	Natural cooling
Power specifications	3PH AC380V 50/60HZ (with built-in 380V~220V isolated transformer)
Grounding	Industrial grounding (dedicated grounding, resistance below100Ω)
Input/Output signal	General signal:16 input,16 output
Position control method	Serial communication EtherCAT.TCP/IP
Memory capacity	JOB: 200000 steps,10000 robot commands (total 200M)
LAN(Host link)	Ethercat(1pc) TCP/IP(1pc)
Control mode	Servo position control
Ambient temperature	In use:0~ + 45°C,In storage: - 20~ + 60°C
Driver unit	AC servo system (6-axis)
Relative humidity	10%~90%(no condensing)
Vibrate	Below 0.5G

Serial port I/F

RS485(1pc) RS422(1pc) RS232(1pc) CAN(1pc) USB(1pc)

Altitude

Below 1000m. Derate 1% for every additional 100m if over 1000m. Maximum 2000m.

Others

No dust, cutting fluid (including coolant), organic solvent, oil smoke, water, salt, medicine, anti-rust oil, strong microwave, ultraviolet light, X-ray, radiation exposure

Teach pendent specifications

External dimensions	280(width)*220(depth)*120(height)mm (with protrusions)
Gross weight	0.6KG
Material	Reinforced plastics
Display	8 inch color LED,640*480 pixels
Protection class	IP54
Cable Length	Standard:5m Optional:15m

Manipulator

Selector, axis operation, value, mode selection with key (teach mode/auto mode/remote mode), emergency stop, enable, USB port etc



ATTENTION

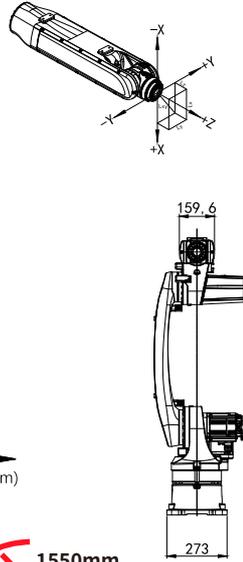
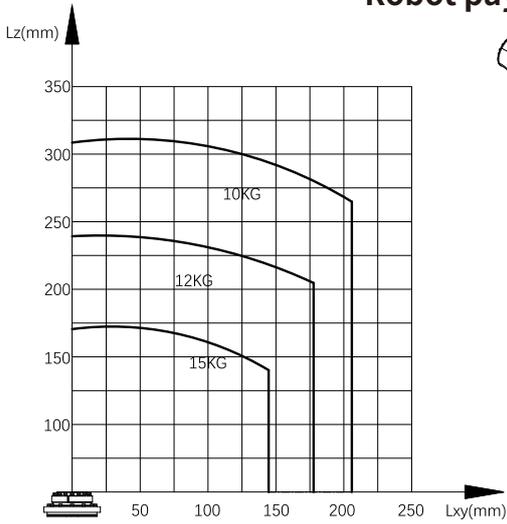
Please read the user manual and relevant documentations before use.

Contact official staff or distributor of MOKA if there are any errors, faults or if the robot is a harm to human safety.

All data, drawings and specifications provided in this catalog are purely for information purposes and do not constitute a guarantee of these characteristics. The extent of goods delivered and services performed is determined by the subject matter of the specific contract. No liability accepted for errors or omissions.

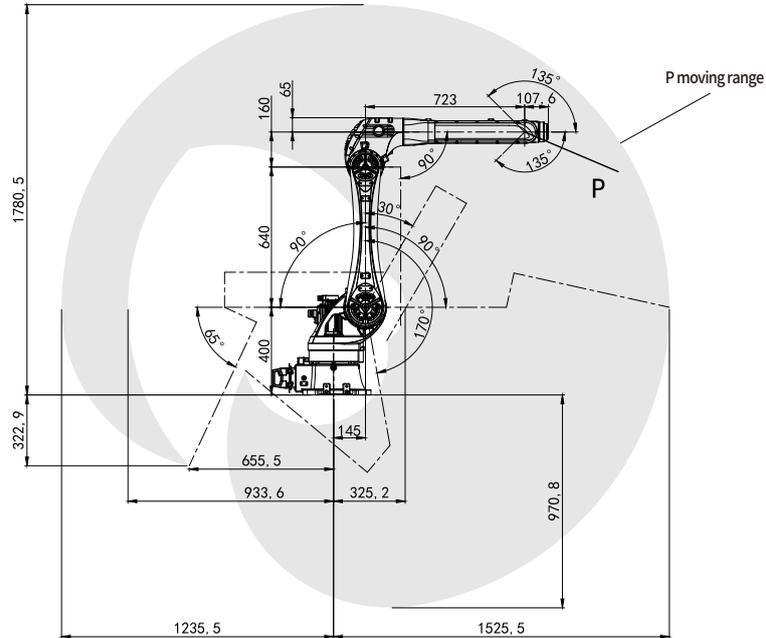


Robot payload diagram



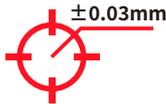
External dimensions and moving range

P moving range



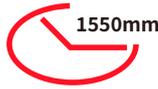
15KG

Max payload



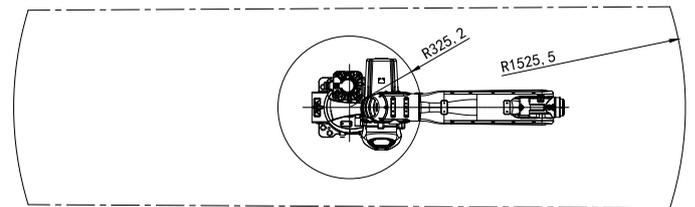
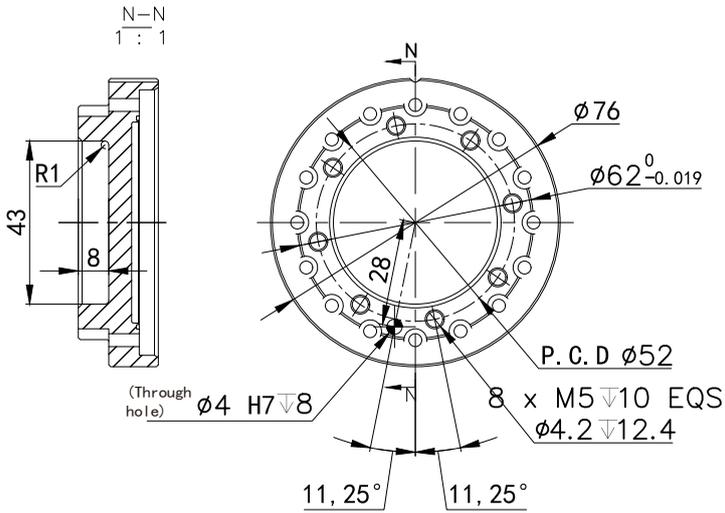
±0.03mm

Repeatability

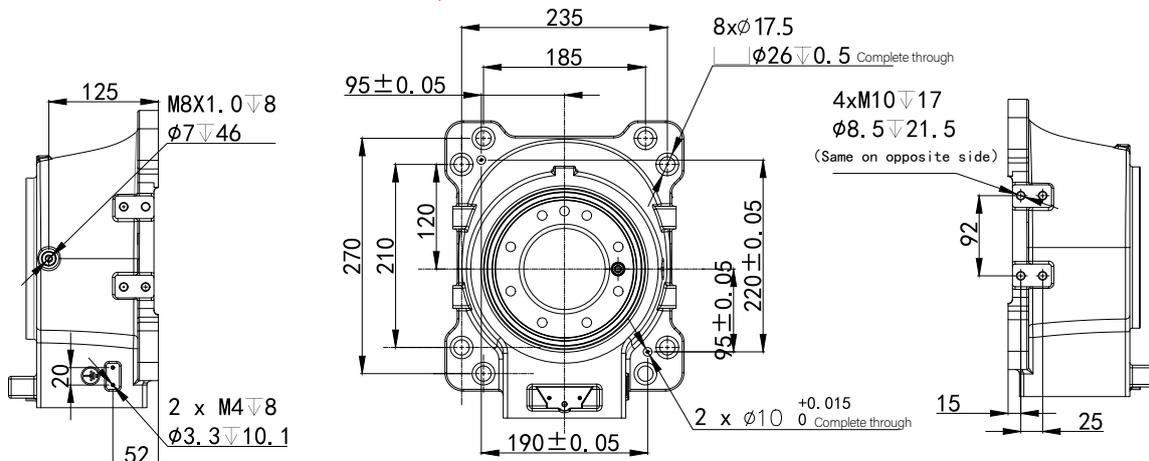


1550mm

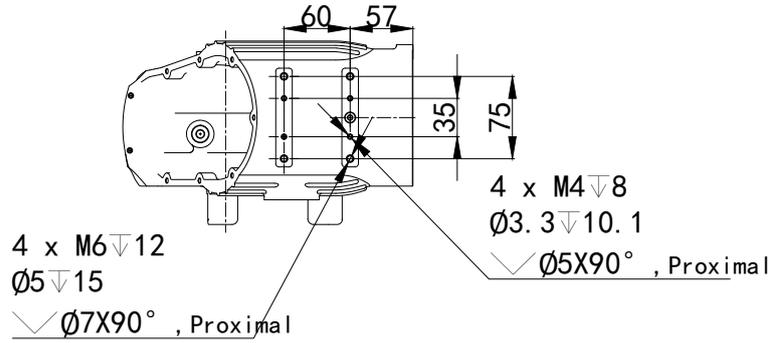
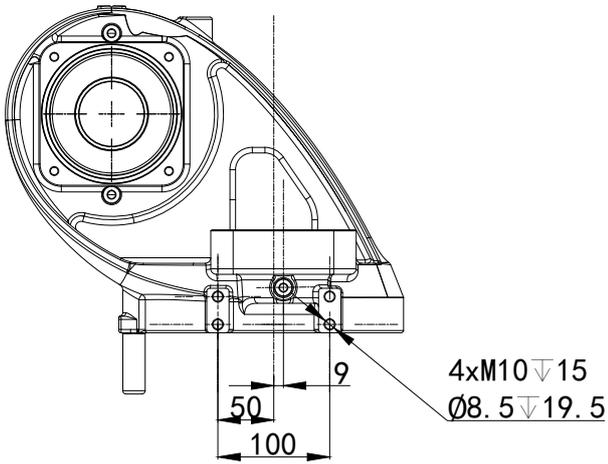
Moving range



End flange installation dimensions

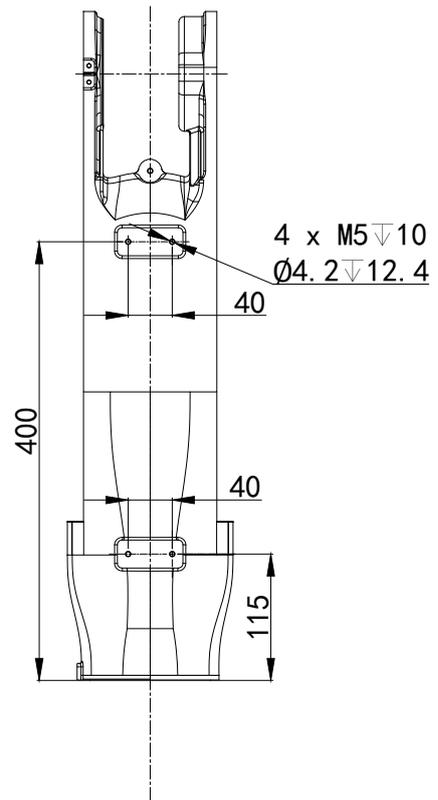
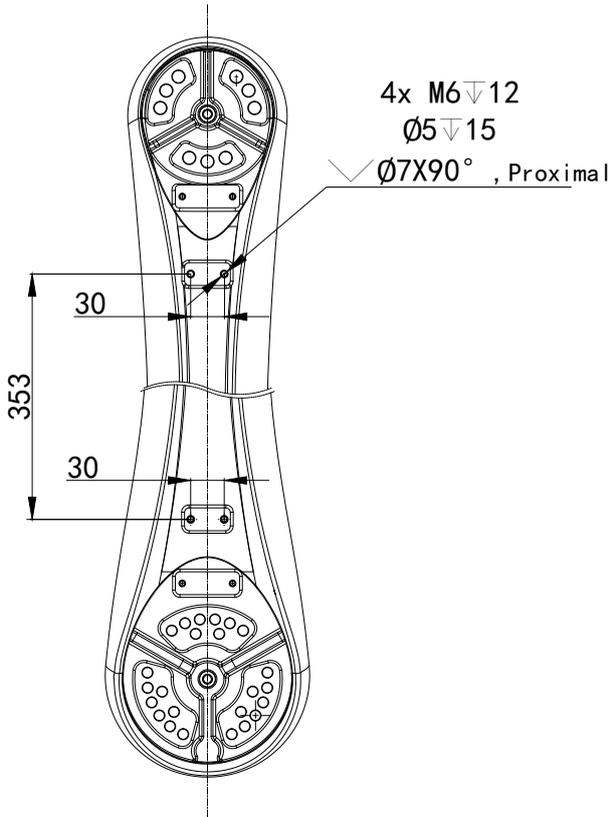


Base installation dimensions



J2 transposition installation dimensions

J4 motor seat installation dimensions



J3 arm installation dimensions

J5 wrist installation dimensions