



Axis	6-axis		Moving speed	Moving range
Motion radius	1840mm	J1 axis S	204°/s	±180°
Power capacity	4.5KVA	J2 axis L	206°/s	+90°~-160°
Payload	25KG	J3 axis U	285°/s	+85°~-155°
Protection class	IP65/IP67	J4 axis R	360°/s	±190°
Repeatability	±0.02mm	J5 axis B	409°/s	±135°
Robot mass	203KG	J6 axis T	654°/s	±360°
Power capacity	Φ10		Axis 4 R (N.m)	50
Signals	Standard 16 in/16 out 24 VDC		Axis 5 B (N.m)	50
Install	Floor/frame/ceiling		Axis 6 T (N.m)	30



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	650(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 pendant 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.

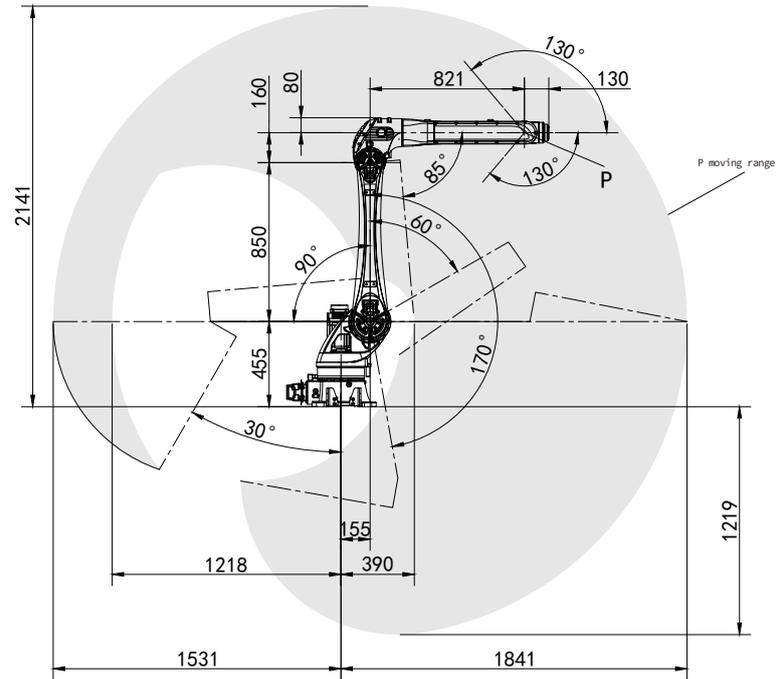
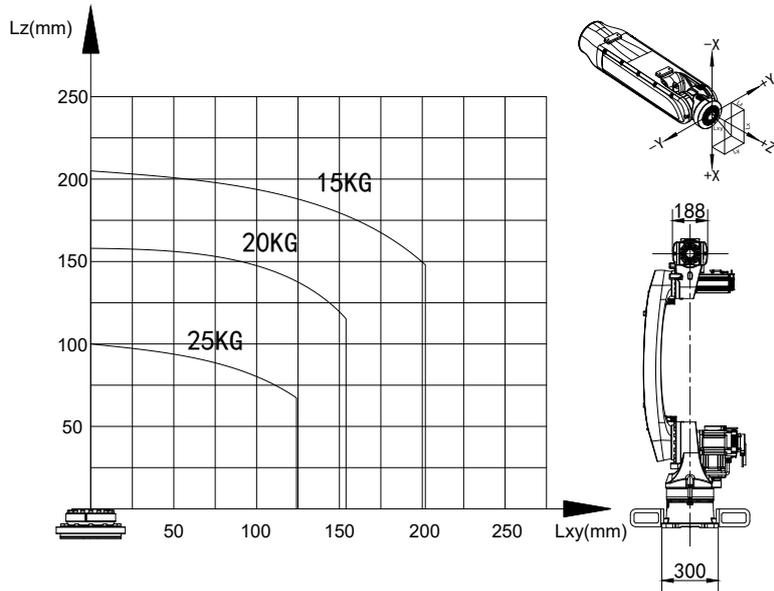
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Robot payload diagram

External dimensions and moving range

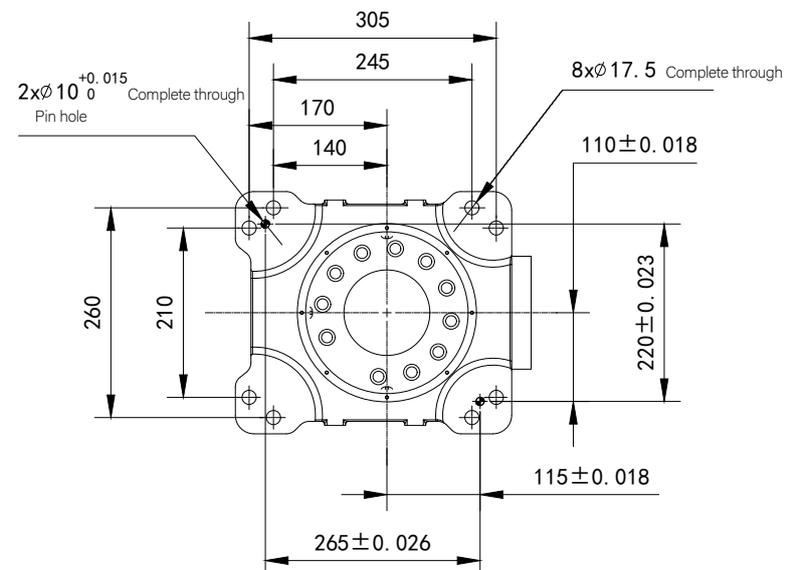
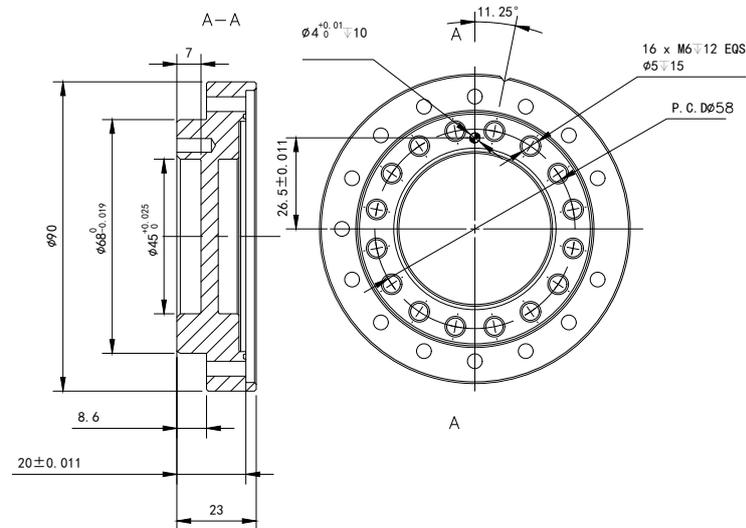
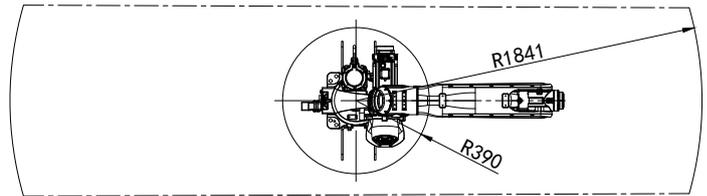
P moving range



25KG
Max payload

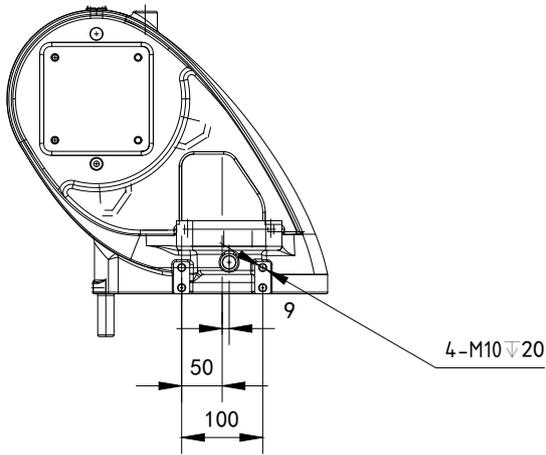
$\pm 0.02\text{mm}$
Repeatability

1840mm
Moving range

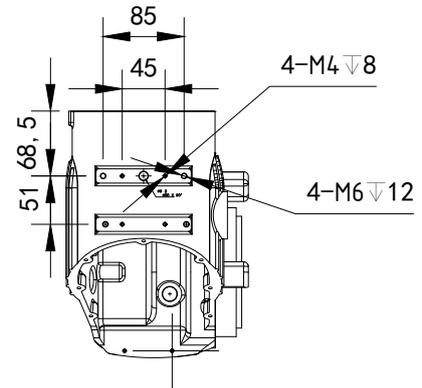


End flange installation dimensions

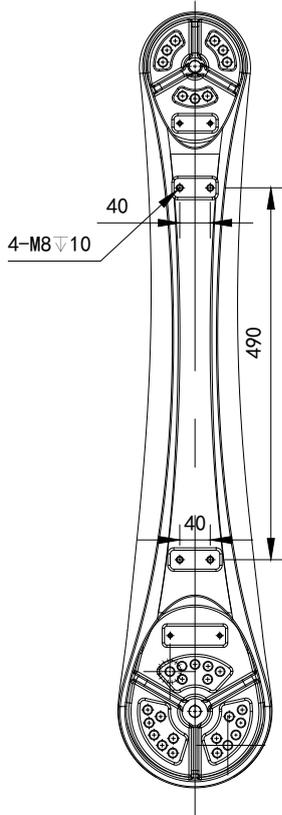
Base installation dimensions



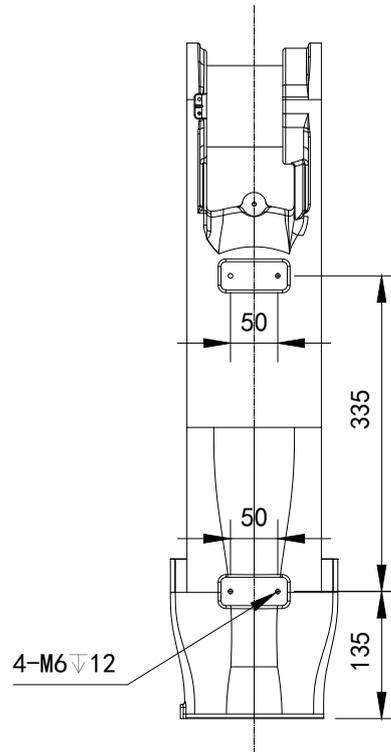
J2 transposition installation dimensions ◀



J4 motor seat installation dimensions ◀



J3 arm installation dimensions ◀



J5 wrist installation dimensions ◀