

Number of axis	6-axis		Maximum speed	Moving range
Motion radius	2700mm	J1 axis S	115°/s	±180°
Power capacity	25.0KVA	J2 axis L	95°/s	+60°~-80°
Max Payload	220KG	J3 axis U	115°/s	+157.5°~-80°
Protection class	IP54/IP67	J4 axis R	170°/s	±190°
Repeatability	±0.06mm	J5 axis B	145°/s	±125°
Robot mass	1060KG	J6 axis T	210°/s	±360°
Built-in air tube	Φ10	J4 axis R(N.m)		1045
Input/Output signals	Standard 16 in/16 out 24 VDC	J5 axis B(N.m)		1045
Mounting position	Floor	J6 axis T(N.m)		858



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	873(width)*600(depth)*940(height)mm (with protrusions)
Rough quality	170KG
Cooling method	Natural cooling
Power specifications	3PH AC380V 50/60HZ (with built-in 380V~220V isolated transformer)
Grounding	Industrial grounding (dedicated grounding, resistance below 100Ω)
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.

Other

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

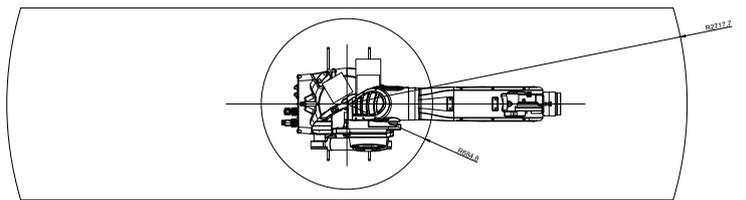
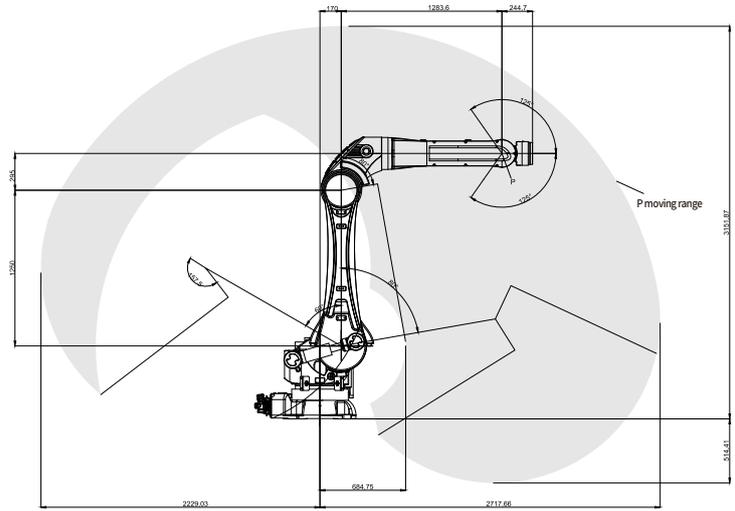
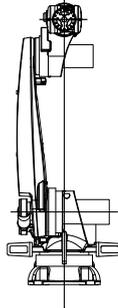
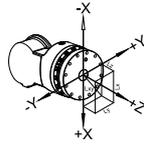
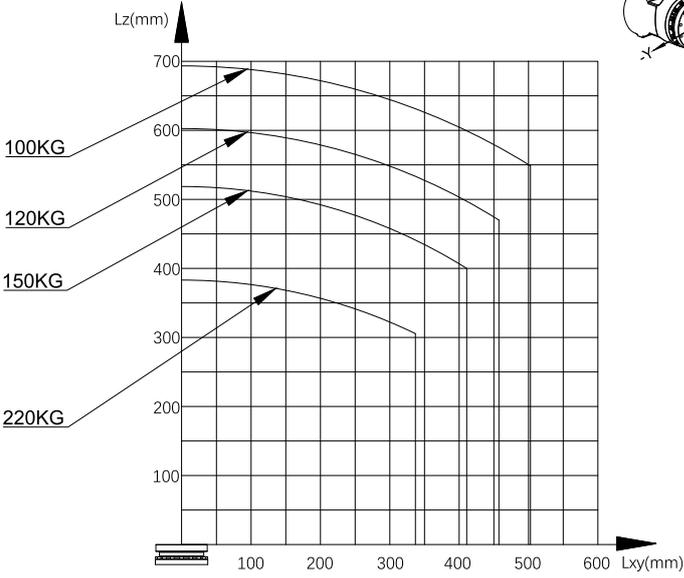
Please read the user manual and relevant documentations before use.
 Contact official staff or distributor of MOKA if there are any errors, faults or if the robot is a harm to human safety.
 All data, drawings and specifications provided in this catalog are purely for information purposes and do not 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

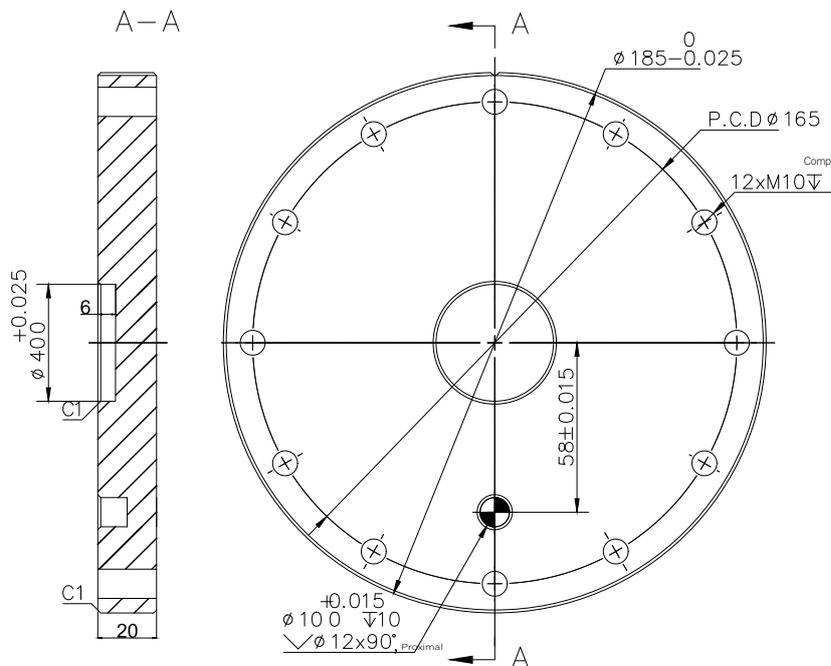


220KG
Max payload

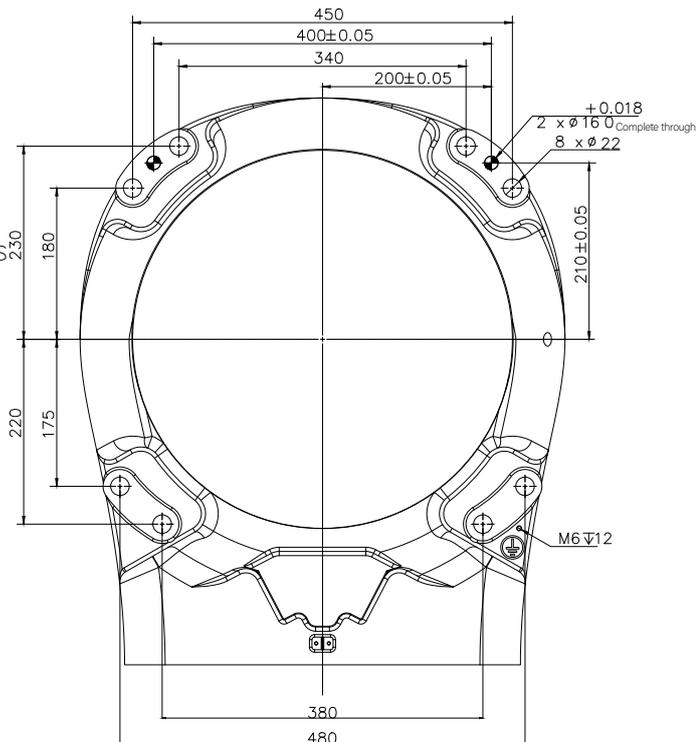
$\pm 0.06\text{mm}$
Repeatability

2700mm
Moving range

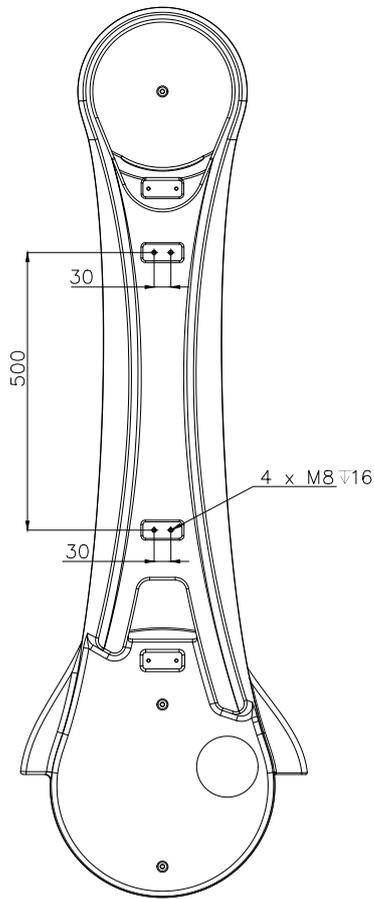
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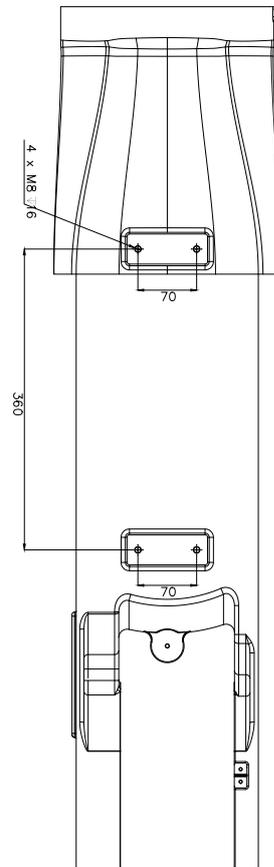
End flange installation dimensions



Base installation dimensions



J3 arm installation dimensions ◀



J5 wrist installation dimensions ◀