

Higher Precision



Higher Protection Level(IP67)



Higher Speed

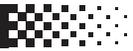


Better Price Performance



MB SERIES

SCARA ROBOTS



MB04SC-300



MB04SC-400



MB10SC-500



MB10SC-600



MB10SC-700



MB10SC-800



MB25SC-800



MB25SC-900



MB25SC-1000

MB SERIES

SMALL 6-AXIS ROBOTS



MB04S-580



MB10S-740



MB10S-920

MB SERIES

GENERAL 6-AXIS ROBOTS



MB20-2100



MB35-1870



MB45-1870



MB180-3200



MB210-2650



MB280-2650



MR10C-1488



MR30C-1750



MR10W-1440-D



MR12-2010



MR12Z-1550



MR80E-2250



MR60E-2680

**MB280-2650****PAYLOAD : 280KG    REPEATABILITY : ±0.06mm****MOKA**

Number of axis	6-axis	Maximum speed	Moving range
Motion radius	2650mm	J1 axis S	±180°
Power capacity	25.0KVA	J2 axis L	+60°~-180°
Max Payload	280KG	J3 axis U	+95°~-80°
Protection class	IP54/IP67	J4 axis R	±210°
Repeatability	±0.06mm	J5 axis B	±125°
Robot mass	1240KG	J6 axis T	±360°
Built-in air tube	Φ10	J4 axis R(N.m)	1134
Input/Output signals	Standard 16 in/16 out 24 VDC	J5 axis B(N.m)	1134
Mounting position	Floor	J6 axis T(N.m)	752

**MADE BY MOKAROBOT**



# SPECIFICATIONS

## TECHNICAL SPECIFICATION

### 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)
Approximate mass	170KG
Cooling method	Natural cooling
Power specifications	3PH AC380V 50/60HZ
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.

#### 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: 6m Optional: 8m/10m/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.

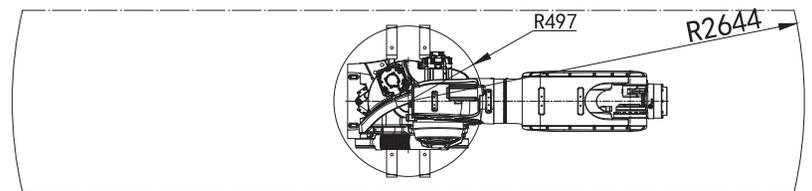
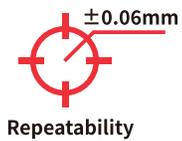
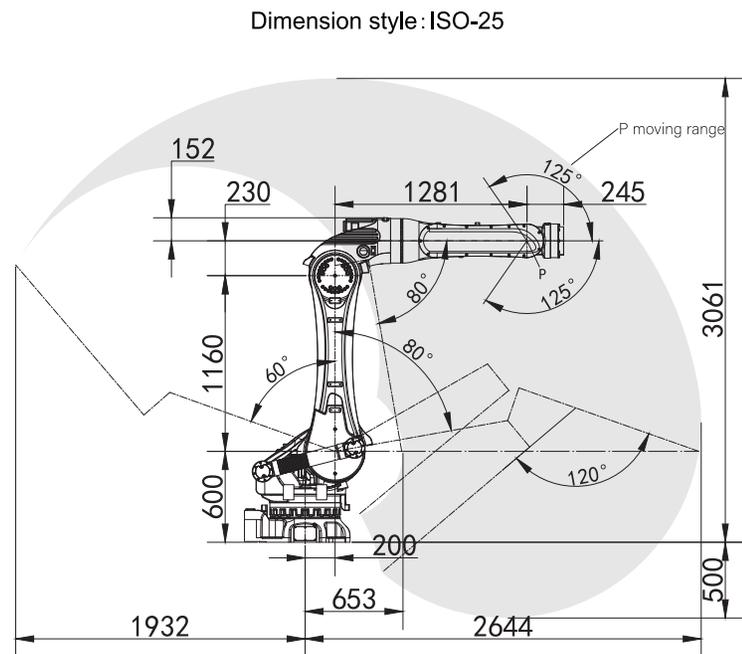
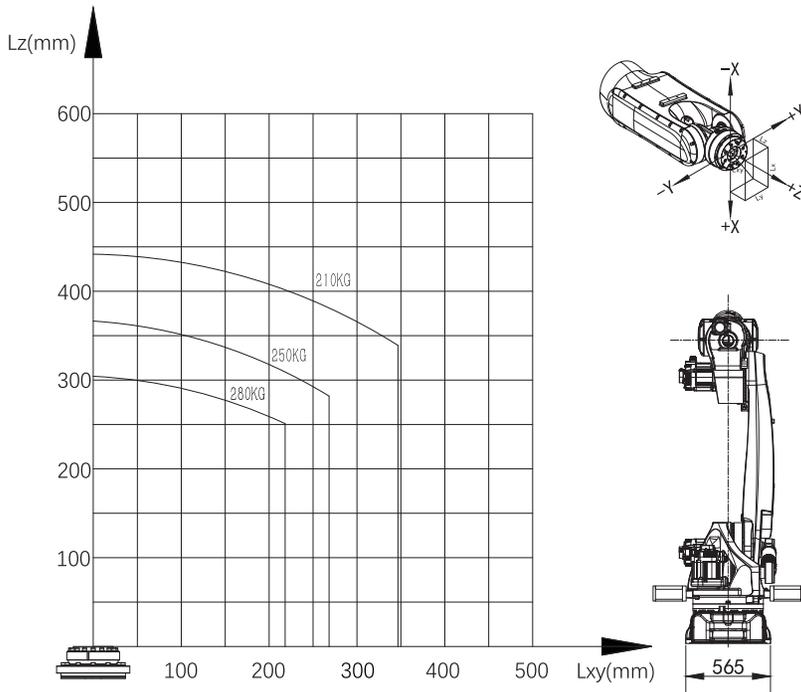


## SPECIFICATIONS

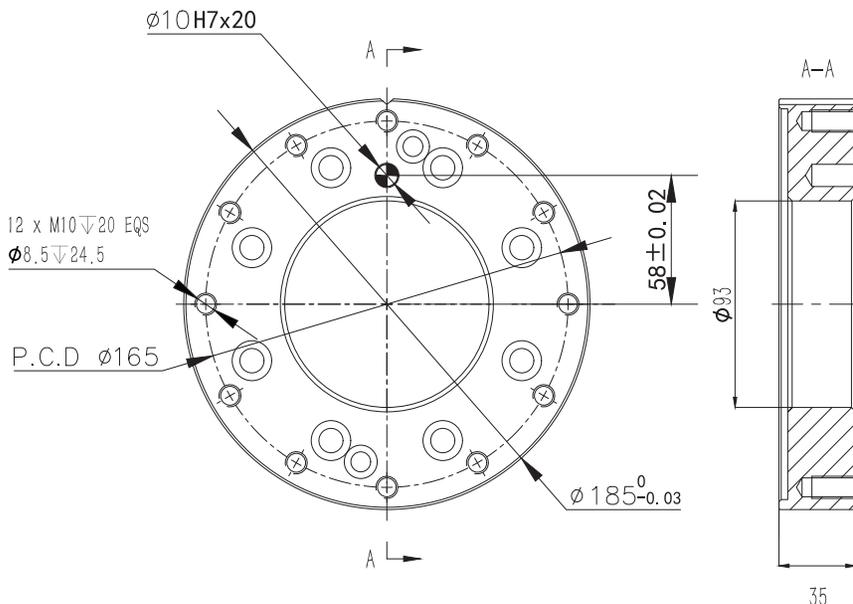
## TECHNICAL SPECIFICATION

### Robot payload diagram

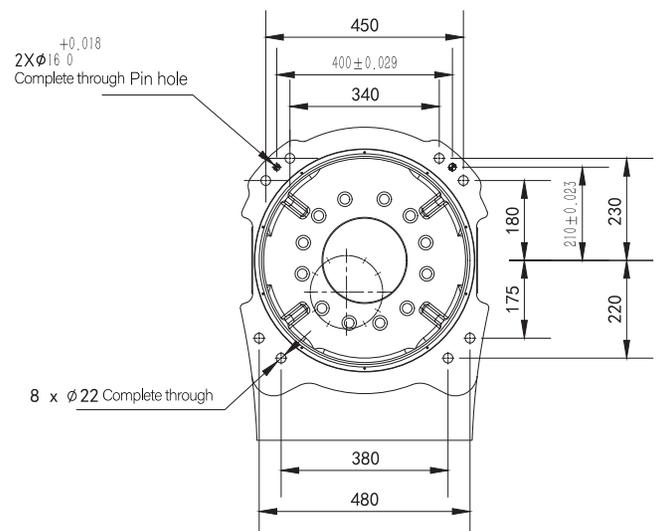
### External dimensions and moving range



Dimension style: Flange dimension

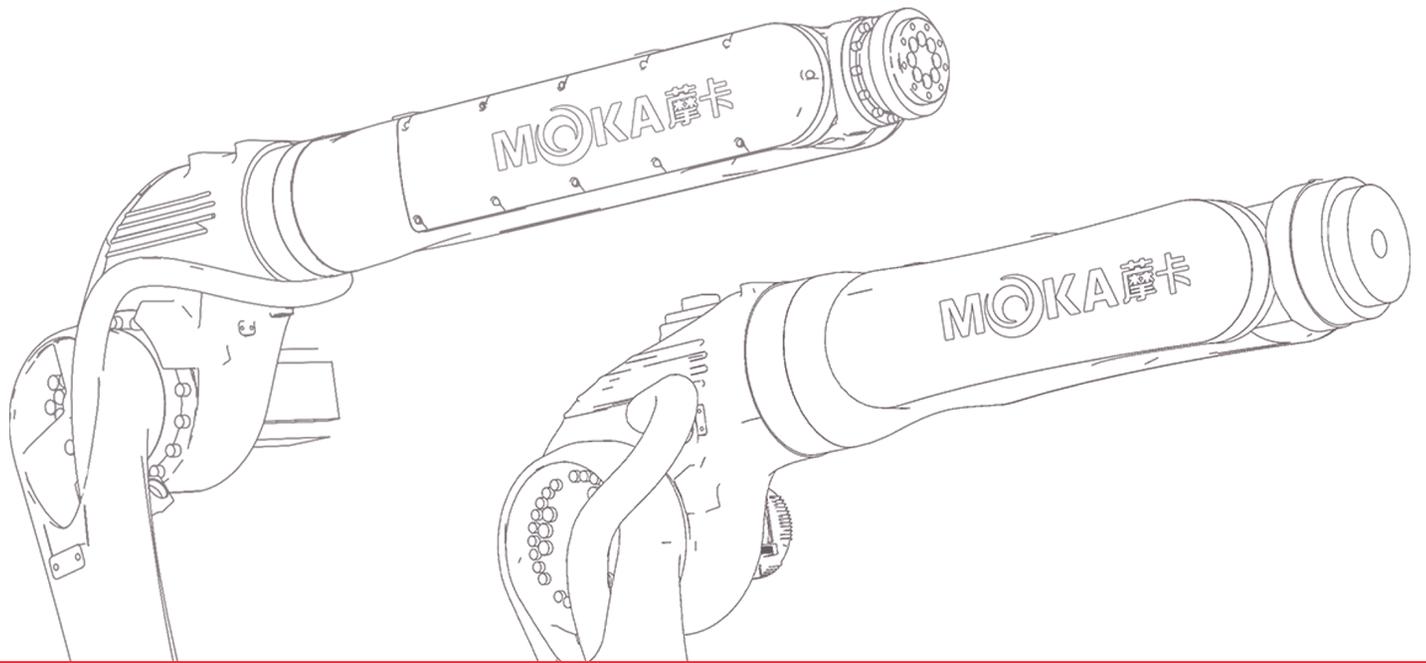


Dimension style: Installation drawing



### End flange installation dimensions

### Base installation dimensions



# MOKA 摩卡

Committed to providing customers with  
the most valuable products

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