

Higher Precision



Higher Protection Level(IP67)



Higher Speed



Better Price Performance



Moka Robot is a high-tech robot manufacturer providing high quality industrial robots and solutions to our customers. As one of the earliest companies who manufactures industrial robots, we offer professional, timely service and complete robot application solutions. Our robot system is highly stable and mature. After years of development, our products are widely used in industrial automation applications such as welding, painting, handling, palletizing and polishing, both in China and the global market. Our industrial robots are developed by our company with independent intellectual property rights. The motion of each joint of the robot is realized by high performance servo motors and a high precision reducers. The core advantages of our industrial robots include: cost-effective, compact structure, highly reliable, high speed, high precision, easy to operate and easy to maintain. For details, please visit www.mokarobot.com.

Honorary qualifications

发明专利证书

专利号: 20171086266.0

发明名称: 一种工业机器人末端执行器

发明人: 李洪波, 王洪波, 王洪波, 王洪波, 王洪波

专利权人: 芜湖摩卡机器人科技股份有限公司

授权公告日: 2021年09月16日

专利登记簿副本

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计算机软件著作权登记证书

软件名称: 工业机器人末端执行器控制软件 V1.0

著作权人: 芜湖摩卡机器人科技股份有限公司

开发完成日期: 2021年02月08日

首次发表日期: 未发表

登记号: 2017SR0492283

实用新型专利证书

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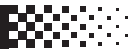
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MB SERIES

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

MB35-1870**PAYLOAD:35KG****REPEATABILITY:±0.03mm****MOKA 摩卡**

Number of axis	6-axis		Maximum speed	Moving range
Motion radius	1870mm	J1 axis S	202°/s	±180°
Power capacity	8.0KVA	J2 axis L	211°/s	+98°~-160°
Max Payload	35KG	J3 axis U	234°/s	+200°~-80°
Repeatability	±0.03mm	J4 axis R	470°/s	±200°
Robot mass	260KG	J5 axis B	405°/s	±130°
Built-in air tube	Φ8	J6 axis T	535°/s	±360°
Protection class	IP54/IP67	J4 axis R(N.m)	Axis 4 R (N.m)	80
Input/Output signals	Standard 16 in/16 out 24 VDC	J5 axis B(N.m)	Axis 5 B (N.m)	80
Mounting position	Floor/frame/ceiling	J6 axis T(N.m)	Axis 6 T (N.m)	50

MADE BY MOKAROBOT



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	700(width)*530(depth)*740(height)mm (with protrusions)
Rough quality	100KG
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.
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

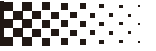
External dimensions	280(width)*220(depth)*120(height)mm (with protrusions)
Gross weight	0.6KG
Material	Reinforced plastics
Display	8 inch color LED, 640*480 pixels
Protection class	IP54
Cable Length	Standard: 6m Optional: 8m/10m/15m

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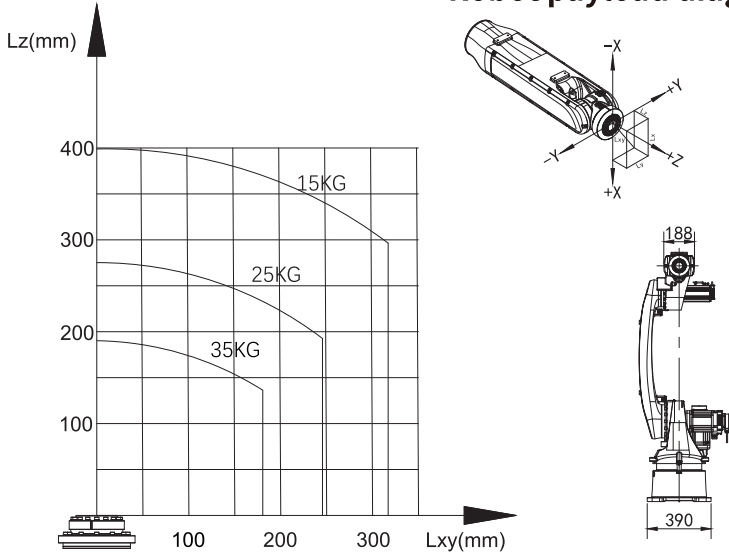


ATTENTION

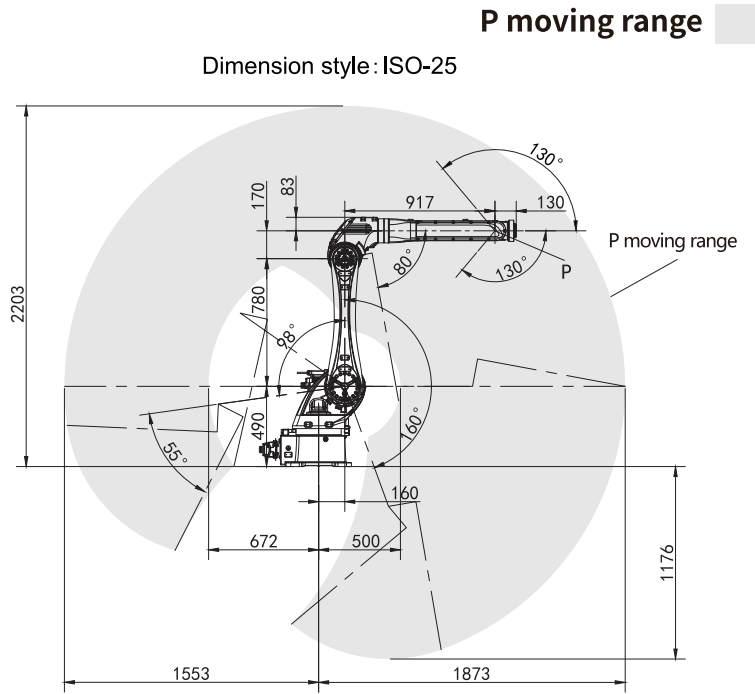
Please read the user manual and relevant documentations before use.
 Contact official staff or distributor of MOKA if there are any errors, faults or if the robot is a harm to human safety.
 All data, drawings and specifications provided in this catalog are purely for information purposes and do not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



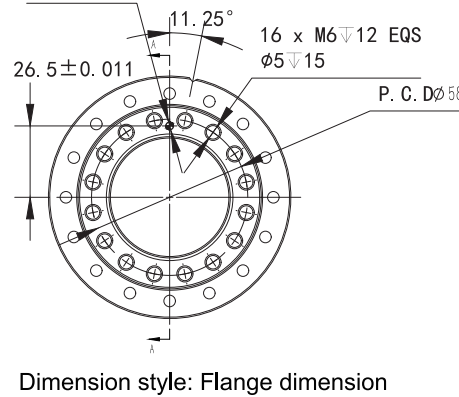
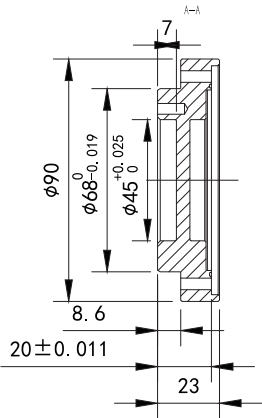
External dimensions and moving range



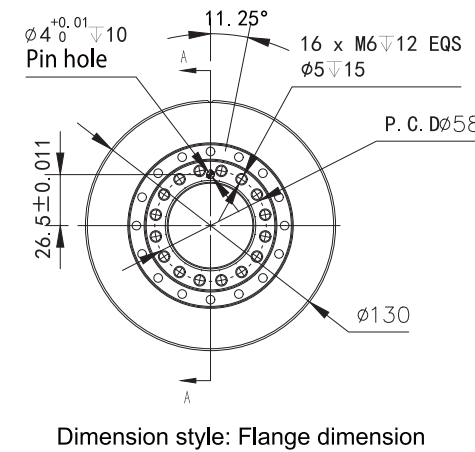
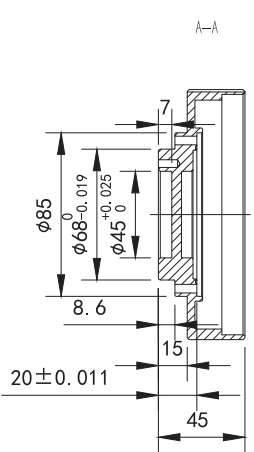
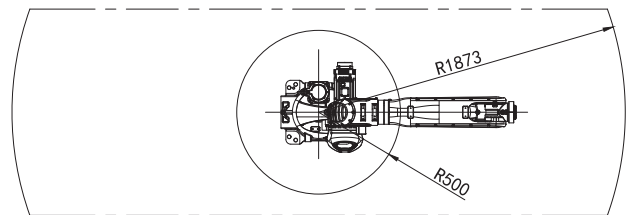
35KG
Max payload

$\pm 0.03\text{mm}$
Repeatability
 $\phi 4^{+0.01} \nabla 10$
Pin hole

1870mm
Moving range

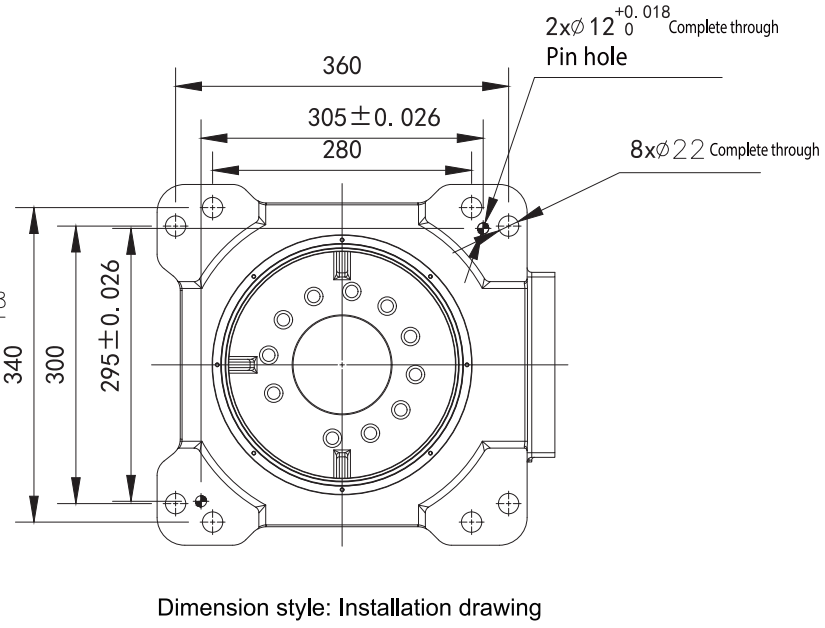


End flange installation dimensions

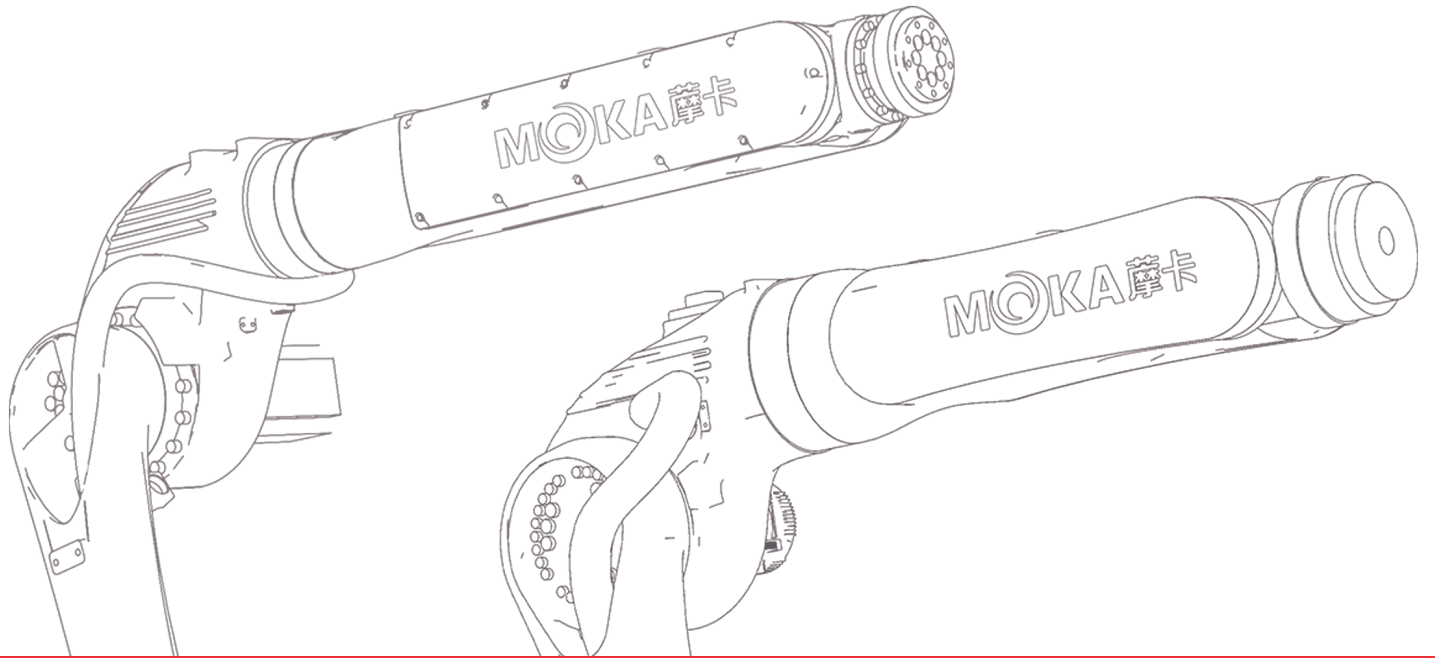


End flange installation dimensions

(waterproof, only for polishing & die-casting applications)



Base installation dimensions



MOKA 摩卡

Committed to providing customers with
the most valuable products

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