

FANUC

Long reach, fast accurate welding



LONG ARM

for longer reach to work on bigger workpieces and cover a wider area



SLIM AND CURVED J2 ARM
to minimise interference



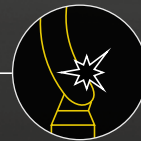
FULLY INTEGRATED WELDING HOSEPACK
and cable management



8 KG PAYLOAD
perfect for additional toolings



LARGE HOLLOW WRIST
and hollow arm



SMOOTH SURFACES
to minimise dust and dirt collection

NEW

ARC Mate 100iD/8L



Next generation welding – ultimate precision

- high productivity and precision thanks to higher rigidity
- compact and fully articulated to reach narrow spaces in machine tools or jigs
- smooth appearance with minimum fastener bolts exposed, reducing dust and dirt collection
- large hollow 57mm for hose pack routing as well as additional utilities
- intelligent maintenance schedule with FANUC Zero Downtime function that predicts mechanical and process equipment status

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ARC Mate 100iD/8L

Max. load capacity
at wrist: **8 kg**



Max. reach:
2032 mm



Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range [°]						Maximum speed [%/s]						J4 Moment/Inertia (Nm/kgm ²)	J5 Moment/Inertia (Nm/kgm ²)	J6 Moment/Inertia (Nm/kgm ²)
			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6			
6	± 0.03*	180	340 [370]	235	455	380	360	900	210	210	220	430	450	720	16.1/0.63	16.1/0.63	5.9/0.061



Robot

Robot footprint [mm]..... 343 x 343
 Mounting position Floor..... ●
 Mounting position Upside down..... ●
 Mounting position Angle..... ●

Controller

Open air cabinet..... **R-30iB Plus**
 Mate cabinet..... -
 A-cabinet..... ○
 B-cabinet..... ○
 iPendant Touch..... ●

Electrical connections

Voltage 50/60Hz 3phase [V]..... 380-575
 Voltage 50/60Hz 1phase [V]..... -
 Average power consumption [kW]..... 1

Integrated services

Integrated signals on upper arm In/Out..... 1/1
 Integrated air supply..... 1

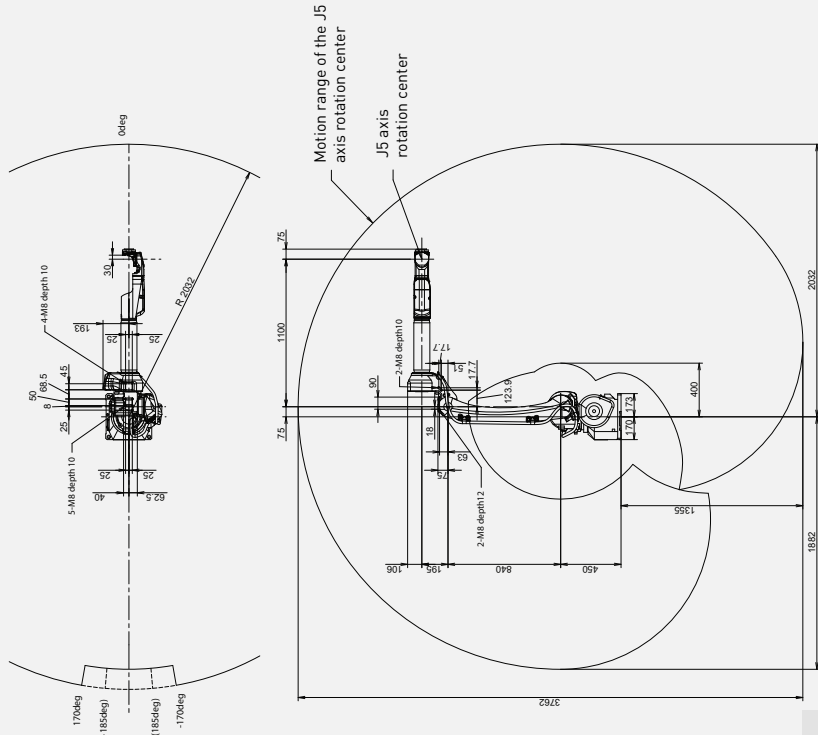
Environment

Acoustic noise level [dB]..... 57.4
 Ambient temperature [° C]..... 0-45

Protection

Body standard/optional..... IP54
 Wrist & J3 arm standard/optional..... IP67

Working range



Motion range may be restricted according to the mounting angle!

● standard ○ on request - not available () with hardware and/or software option

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*Based on ISO9283