

**FANUC**

# Accurate welding with heavy equipment



57 MM

**LARGE HOLLOW WRIST**  
and hollow reducer



**35 KG PAYLOAD**



**FULLY INTEGRATED WELDING HOSEPACK**  
and cable management



**SMOOTH SURFACES**  
to minimise dust  
and dirt collection



**SLIM AND CURVED J2 ARM**  
to minimise interference

**NEW**

**ARC Mate 120iD/35**

## High performance in a small footprint

- slim lightweight design for more throughput
- compact arm and wrist for maximum access
- ideal for crowded production environments
- smooth finish deters dirt and is easy to clean
- easy to install, plus internal cable routing prevents snagging
- Zero Down Time software for intelligent maintenance prediction and scheduling

# ARC Mate 120iD/35 (Hollow wrist)



Max. load capacity at wrist: **35 kg**



Max. reach: **1831 mm**

Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range [°]						Maximum speed [°/s]						J6 Moment/Inertia (Nm/kgm <sup>2</sup> )		
			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6			
6	± 0.03*	250	340 (370)	260	458	400	280 (360)	540 (900)	180	180	200	350	350	400	110.0/4.0	110.0/4.0	60.0/1.5



## Robot

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



## Controller

Open air cabinet ..... -  
 Mate cabinet ..... ○  
 A-cabinet ..... ○  
 B-cabinet ..... ○  
 iPendant Touch ..... ●

## R-30iB Plus

## ARC Mate 120iD/35

## Electrical connections

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

## Integrated services

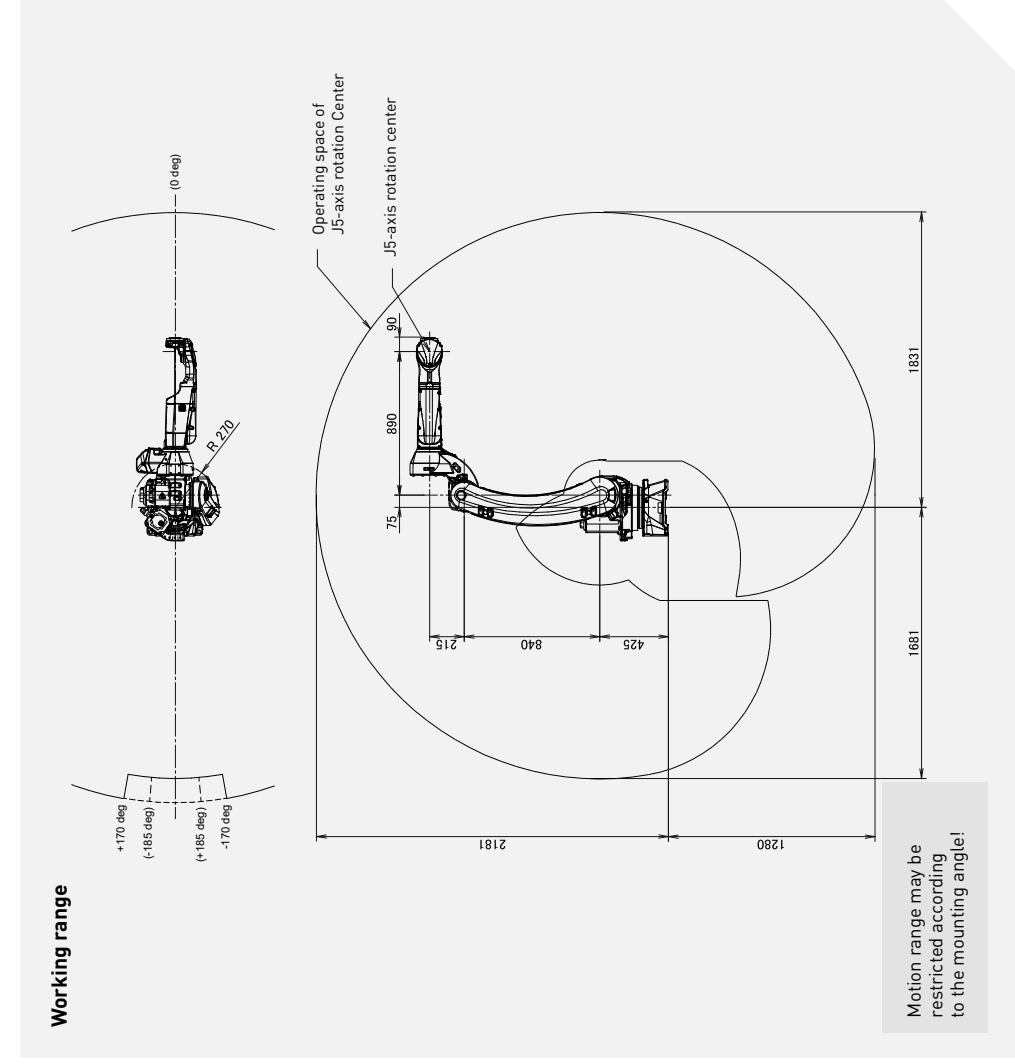
Integrated signals on upper arm In/Out ..... 1/1  
 Integrated air supply ..... 1

## Environment

Acoustic noise level [dB] ..... < 70  
 Ambient temperature [° C] ..... 0-45

## Protection

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



● standard ○ on request - not available ( ) with hardware and/or software option \*Based on ISO9283