

R-2000iC/165F



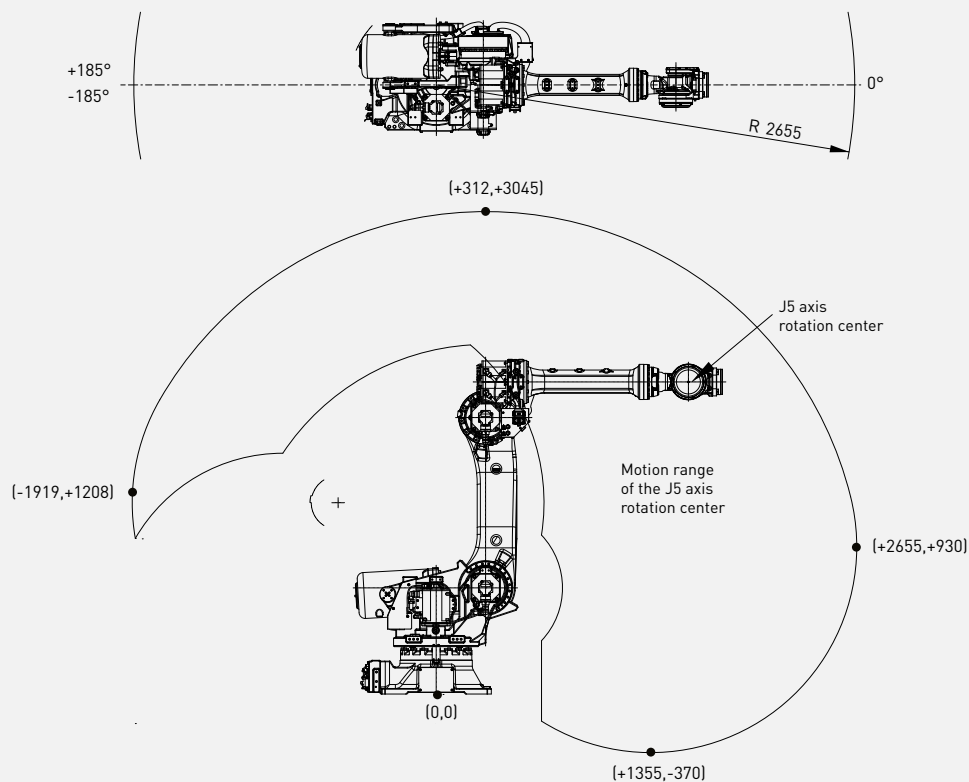
Max. load capacity
at wrist: **165 kg**



Max. Reach:
2655 mm

Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range [°]						Maximum speed [°/s]						J4 Moment/ Inertia (Nm/kgm²)	J5 Moment/ Inertia (Nm/kgm²)	J6 Moment/ Inertia (Nm/kgm²)
			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6			
6	± 0.2	1090	370	136	312	720	250	720	130	115	125	180	180	260	940/120	940/120	490/100

Working Range



Robot

	R-2000iC/165F
Robot footprint [mm]	771 x 610
Mounting position Floor	●
Mounting position Upside down	-
Mounting position Angle	-



Controller

	30iB
Open air cabinet	-
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]	2.5

Integrated services

Integrated signals on upper arm In/Out	8/8
Integrated air supply	2

Environment

Acoustic noise level [dB]	70.5
Ambient temperature [° C]	0-45

Protection

Body standard/optional	IP54 /IP56
Wrist & J3 arm standard/optional	IP67

● standard ○ on request - not available [] with hardware and/or software option

R-2000iC/210F



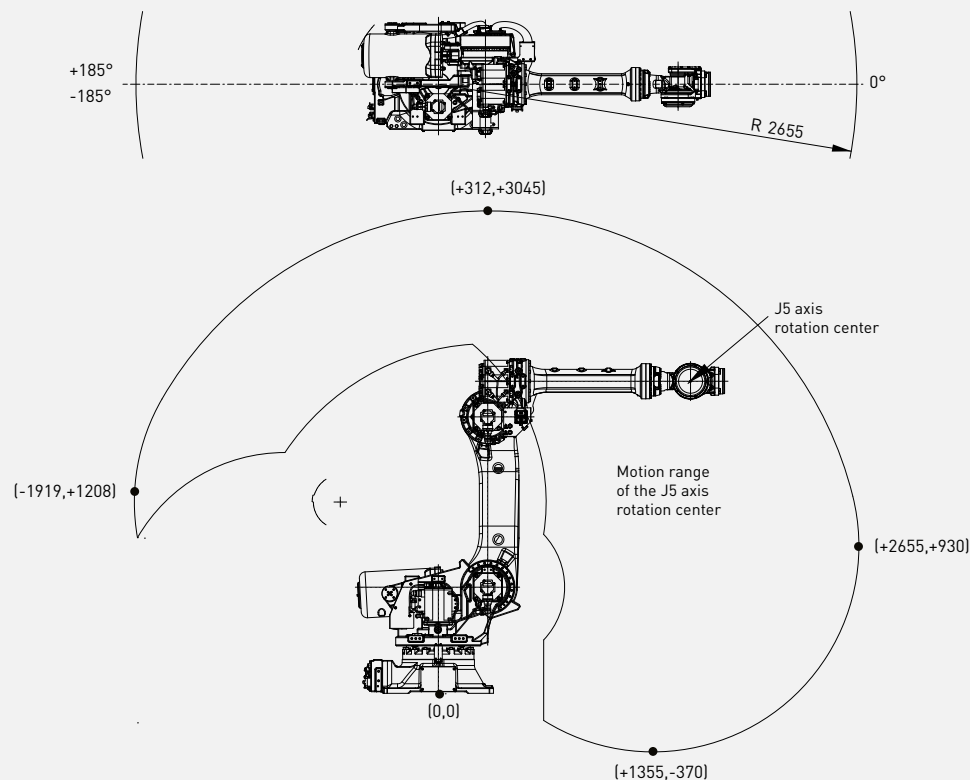
Max. load capacity
at wrist: **210 kg**



Max. Reach:
2655 mm

Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range (°)						Maximum speed (°/s)						J4 Moment/ Inertia (Nm/kgm²)	J5 Moment/ Inertia (Nm/kgm²)	J6 Moment/ Inertia (Nm/kgm²)
			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6			
6	± 0.2	1370	370	136	312	720	250	720	120	105	110	140	140	220	1360/225.4	1360/225.4	735/196

Working Range



Robot

	R-2000iC/210F
Robot footprint [mm]	771 x 610
Mounting position Floor	●
Mounting position Upside down	-
Mounting position Angle	-



Controller

	30iB
Open air cabinet	-
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]	2.5

Integrated services

Integrated signals on upper arm In/Out	8/8
Integrated air supply	2

Environment

Acoustic noise level [dB]	70.5
Ambient temperature [° C]	0-45

Protection

Body standard/optional	IP54 /IP56
Wrist & J3 arm standard/optional	IP67

● standard ○ on request - not available [] with hardware and/or software option

R-2000iB/210WE (Wash Environment)



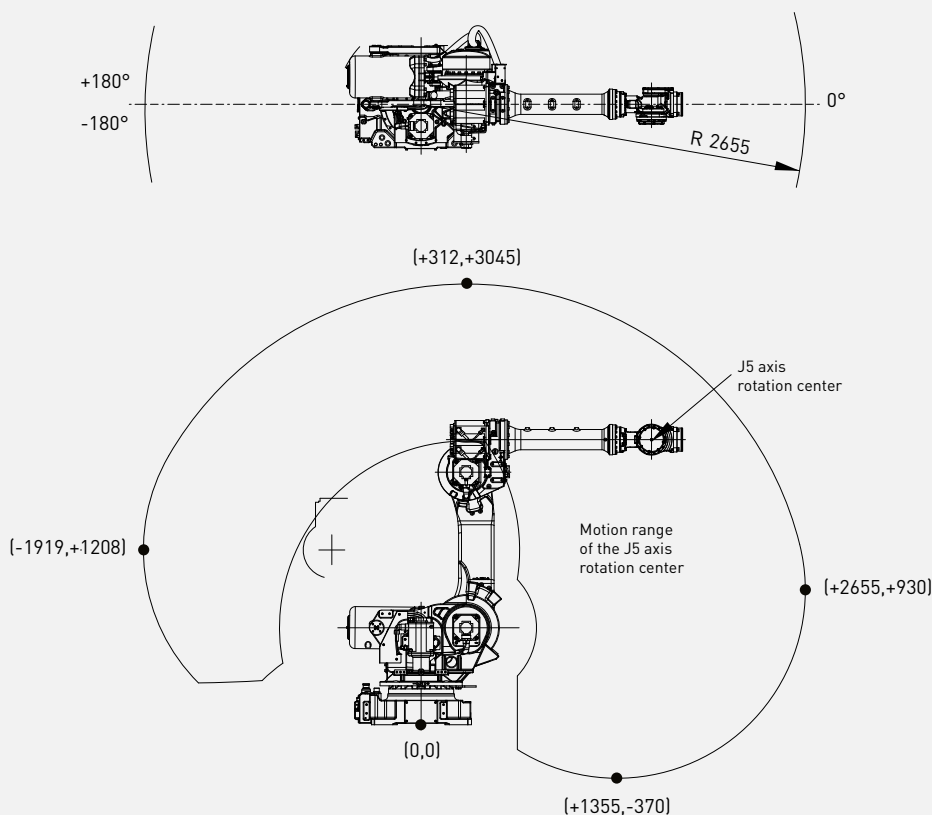
Max. load capacity
at wrist: **210 kg**



Max. Reach:
2655 mm

Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range [°]						Maximum speed [°/s]						J4 Moment/ Inertia (Nm/kgm²)	J5 Moment/ Inertia (Nm/kgm²)	J6 Moment/ Inertia (Nm/kgm²)
			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6			
6	± 0.3	1280	360	136	362	720	250	720	95	90	95	120	120	190	1333/225.4	1333/225.4	706/196

Working Range



Robot

R-2000iB/210WE

Robot footprint [mm]	771 x 610
Mounting position Floor	●
Mounting position Upside down	-
Mounting position Angle	-



Controller

30iB

Open air cabinet	-
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]	2.5

Integrated services

Integrated signals on upper arm In/Out	-
Integrated air supply	2

Environment

Acoustic noise level [dB]	71.3
Ambient temperature [° C]	0-45

Protection

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

● standard ○ on request - not available [] with hardware and/or software option

R-2000iC/270F



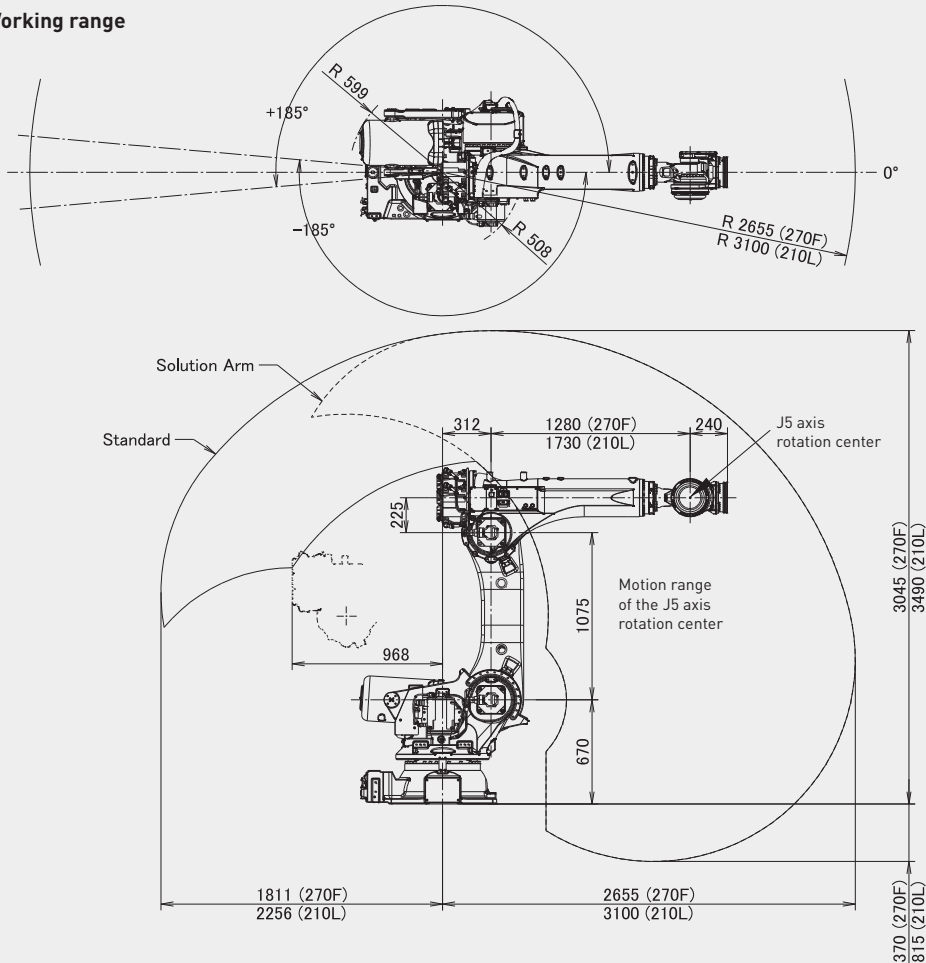
Max. load capacity
at wrist: **270 kg**



Max. reach:
2655 mm

Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range [°]						Maximum speed (°/s)						J4 Moment/ Inertia (Nm/kgm²)	J5 Moment/ Inertia (Nm/kgm²)	J6 Moment/ Inertia (Nm/kgm²)
			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6			
6	± 0.3	1320	370	136	312	720	250	720	105	90	85	120	120	200	1730/320	1730/320	900/230

Working range



Robot

R-2000iC/270F

Robot footprint [mm]	771 x 610
Mounting position Floor	●
Mounting position Upside down	-
Mounting position Angle	-



Controller

30iB

Open air cabinet	-
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]	2.5

Integrated services

Integrated signals on upper arm In/Out	8/8
Integrated air supply	2

Environment

Acoustic noise level [dB]	71.3
Ambient temperature [° C]	0-45

Protection

Body standard/optional	IP54 /IP56
Wrist & J3 arm standard/optional	IP67

● standard ○ on request - not available [] with hardware and/or software option