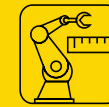


M-410iB/140H



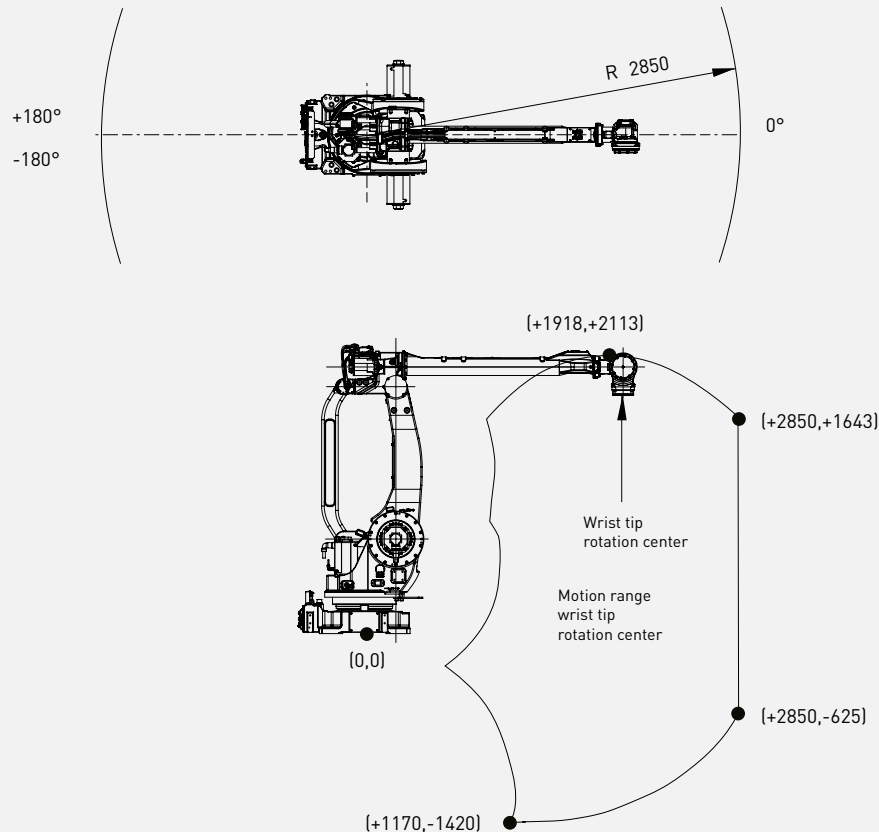
Max. load capacity
at wrist: **140 kg**



Max. Reach:
2850 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			
5	± 0.2	1200	360	155	112	20	720	–	140	115	135	135	420	–	147	53	–

Working Range



Robot

	M-410iB/140H
Robot footprint [mm]	806 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]	1

Integrated services

Integrated signals on upper arm In/Out	8/8
Integrated air supply	1

Environment

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

Protection

Body standard/optional	IP54 /IP55
Wrist & J3 arm standard/optional	IP67

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

M-410iC/315 (Hollow wrist)



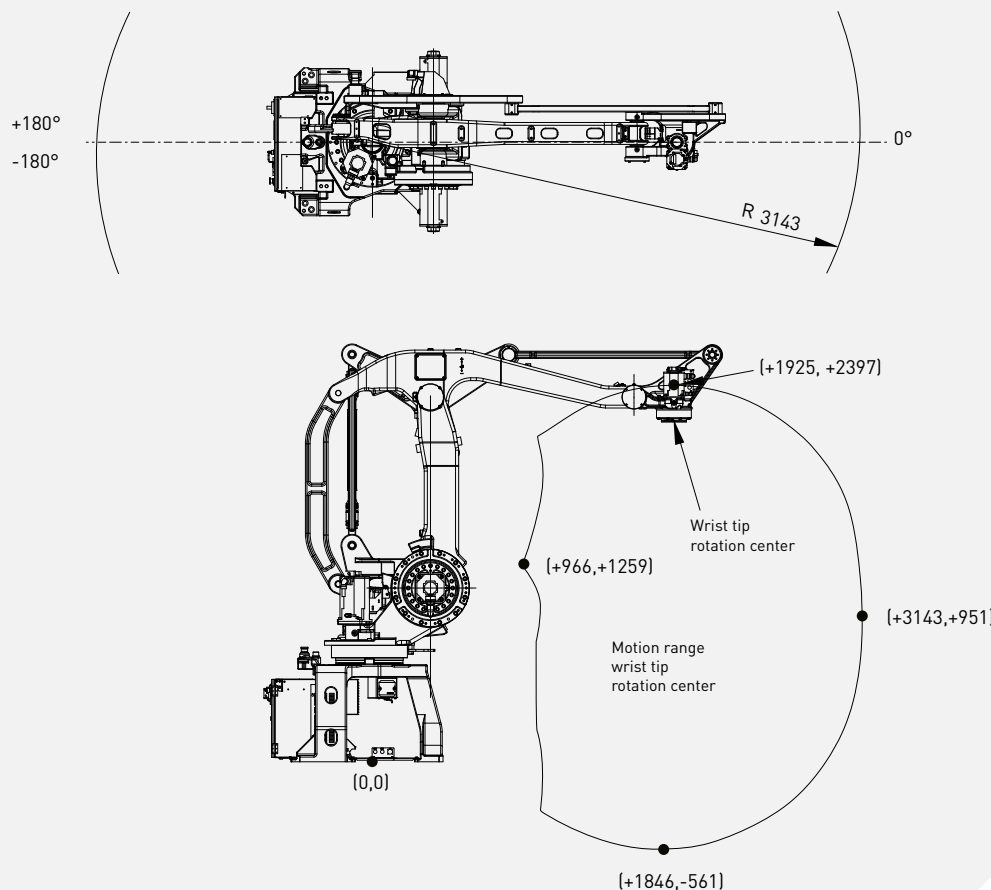
Max. load capacity
at wrist: **315 kg**



Max. Reach:
3143 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			
4	± 0.5	1600 (1330)	360	144	136	720	–	–	90	100	110	195	–	–	155	–	–

Working Range



Robot

	M-410iC/315
Robot footprint [mm]	1094 x 945 (806 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]	1

Integrated services

Integrated signals on upper arm In/Out	8/8
Integrated air supply	1

Environment

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

Protection

Body standard/optional	IP54 /IP55
Wrist & J3 arm standard/optional	IP67

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

M-410iB/450 (Hollow wrist)



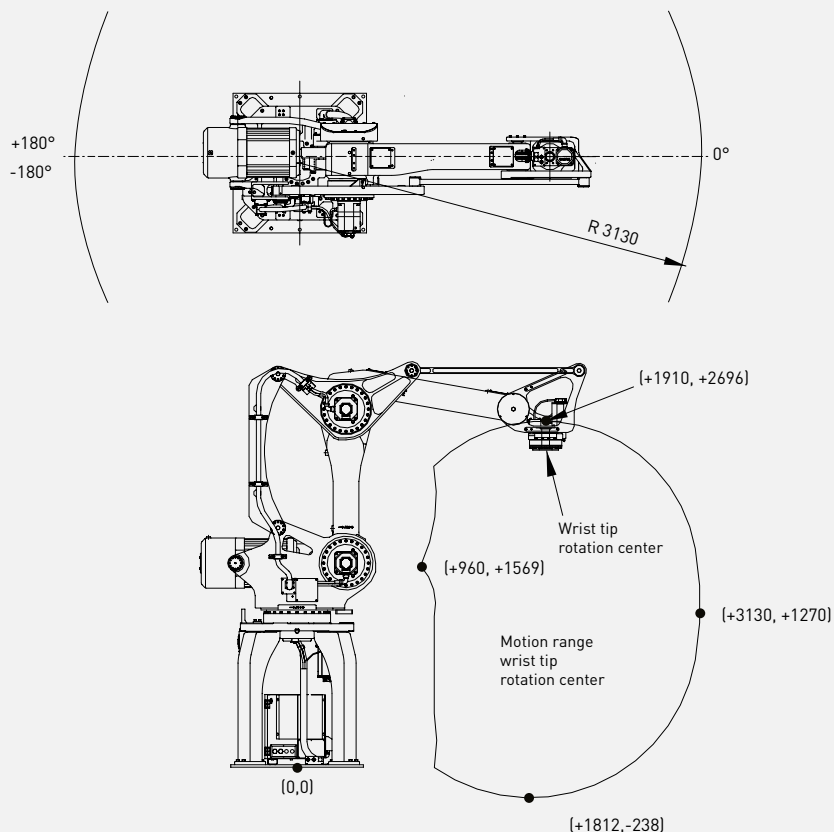
Max. load capacity
at wrist: **450 kg**



Max. Reach:
3130 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			
4	± 0.5	2430	360	145	135	540	–	–	70	70	70	180	–	–	196 (294)	–	–

Working Range



Robot

M-410iB/450

Robot footprint [mm]	1080 x 1030
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]	1

Integrated services

Integrated signals on upper arm In/Out	8/8
Integrated air supply	1

Environment

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

Protection

Body standard/optional	IP54 /IP55
Wrist & J3 arm standard/optional	IP67

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

M-410iC/500 (Hollow wrist)



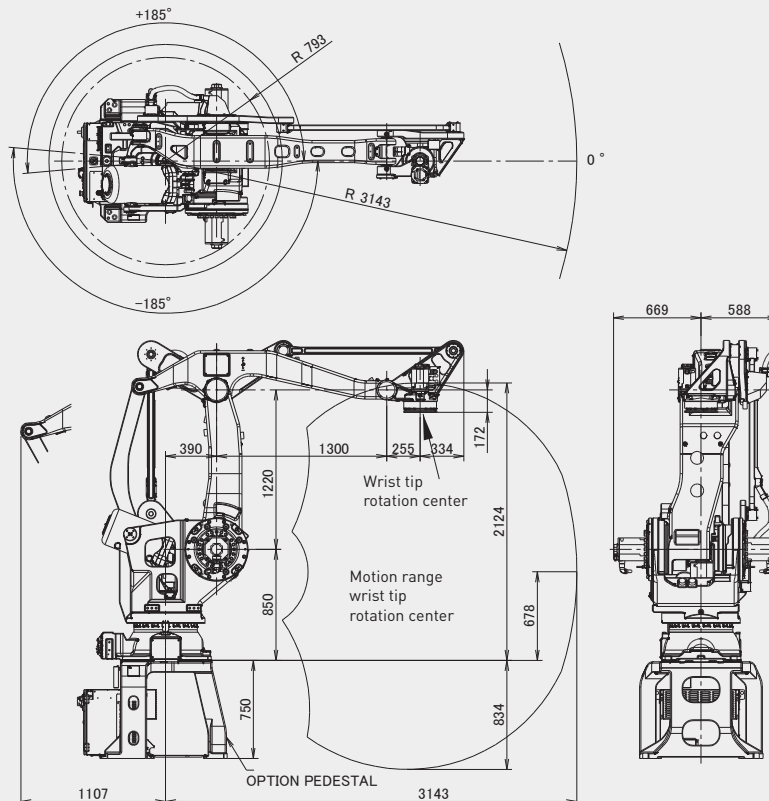
Max. load capacity
at wrist: **500 kg**



Max. reach:
3143 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			
4	± 0.5	2410 (1910)	370	144	136	720	–	–	85	85	85	200	–	–	250	–	–

Working range



Robot

M-410iC/500

Robot footprint [mm]	1094 x 945 (806 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]	3

Integrated services

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

Environment

Acoustic noise level [dB]	75.3
Ambient temperature [° C]	0-45

Protection

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

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

M-410iB/700 (Hollow wrist)



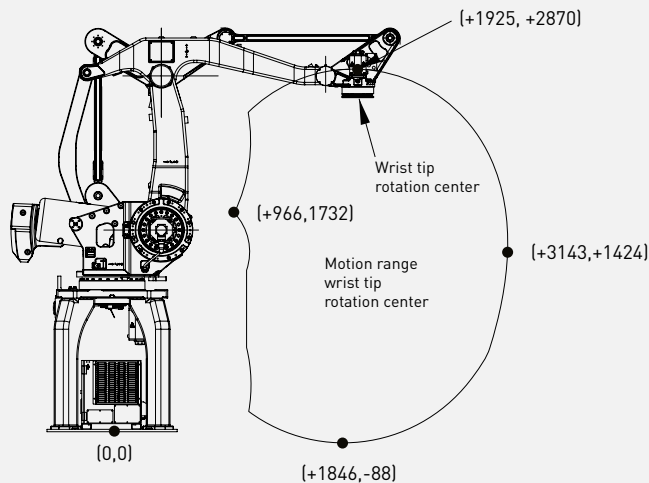
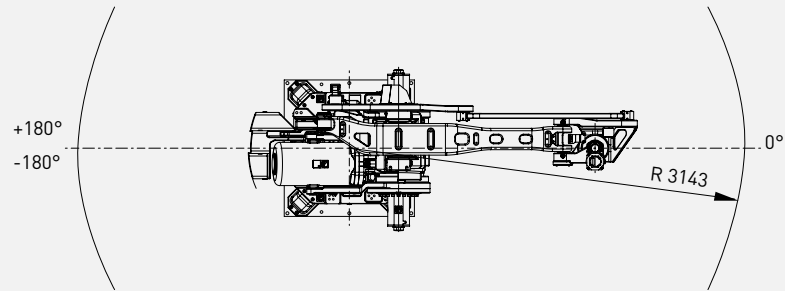
Max. load capacity
at wrist: **700 kg**



Max. Reach:
3143 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			
4	± 0.5	2700	360	144	136	540	–	–	60	60	60	120	–	–	490	–	–

Working Range



Robot

M-410iB/700

Robot footprint [mm]	1080 x 1030
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]	1

Integrated services

Integrated signals on upper arm In/Out	8/8
Integrated air supply	1

Environment

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

Protection

Body standard/optional	IP54 /IP55
Wrist & J3 arm standard/optional	IP67

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