

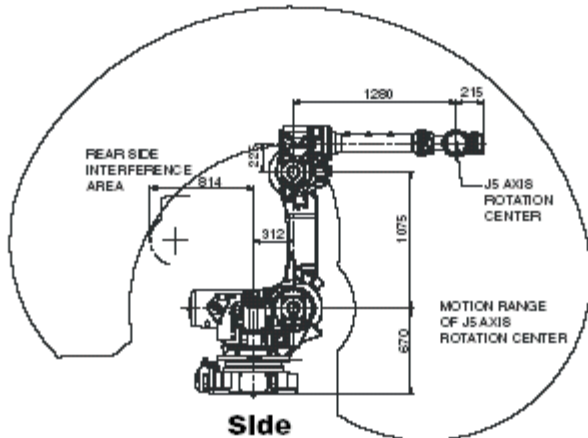
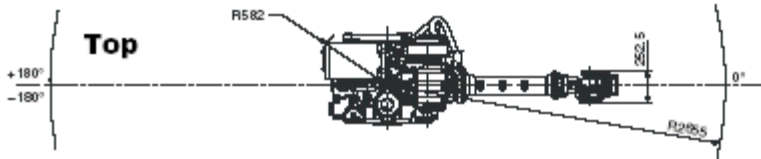


## FANUC ROBOTICS R-2000iB Series

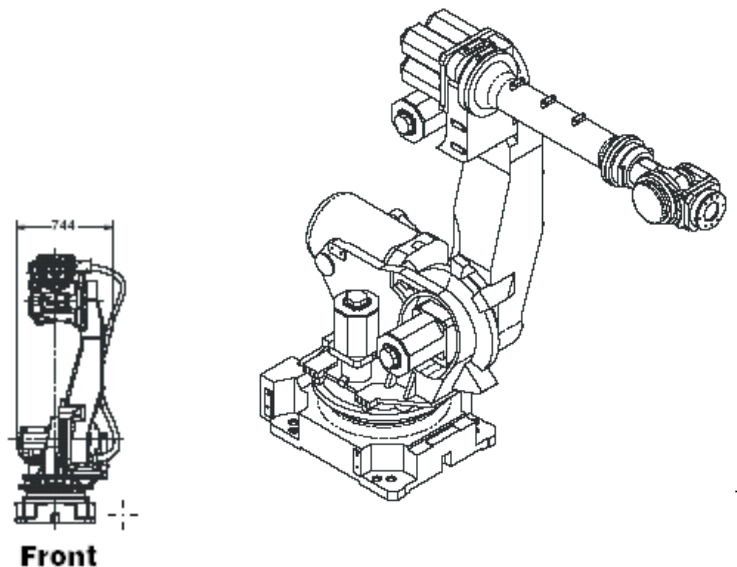
2Ri Robotics carries a wide selection of high-quality used robots, in stock and ready for shipment. Each component has undergone extensive reconditioning and passed rigorous testing to guarantee years of service and dependability



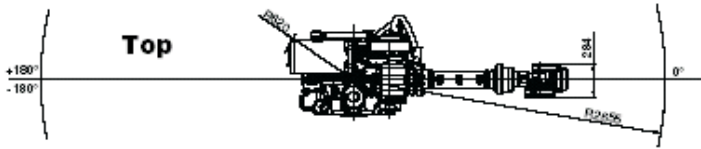
### R-2000iB/165F



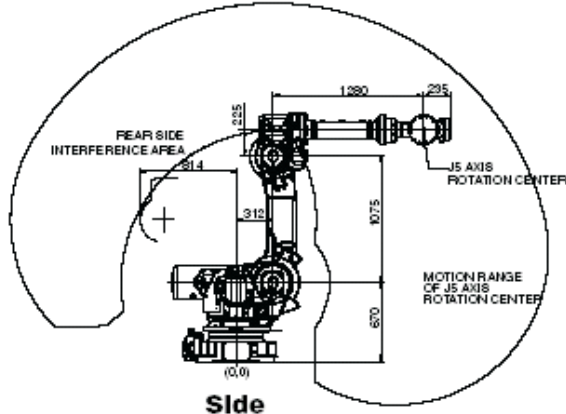
### Isometric 165F



**R-2000iB/210F**



**Top**

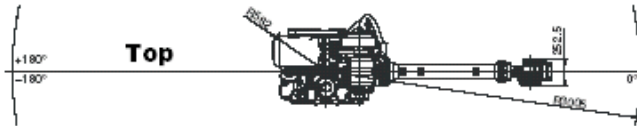


**Side**

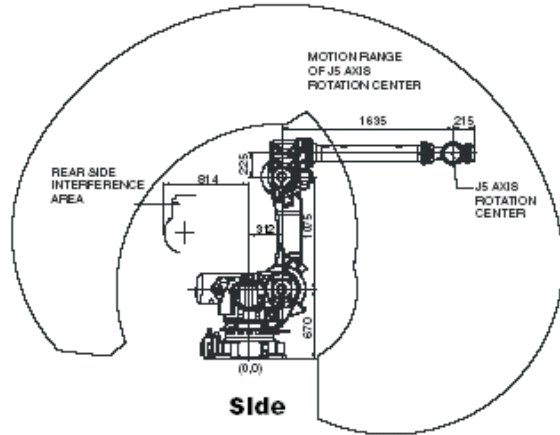


**Front**

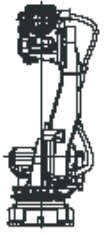
**R-2000iB/125L**



**Top**

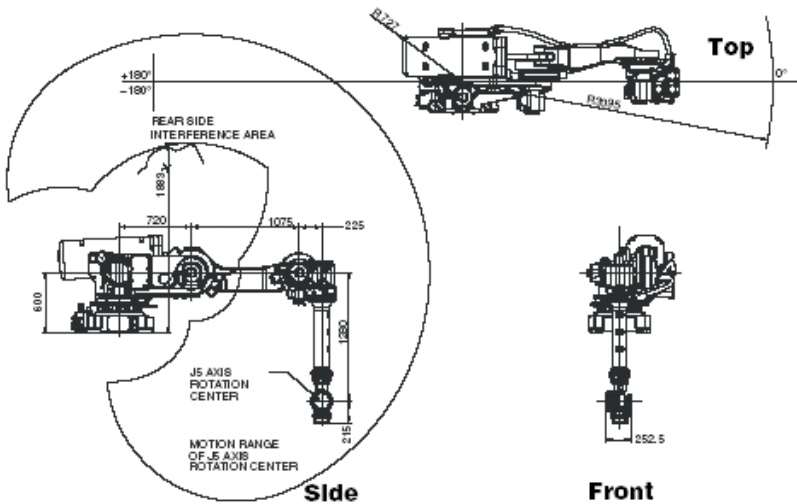


**Side**

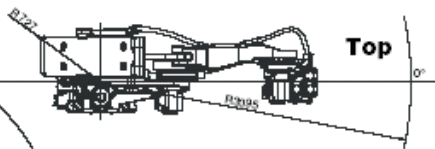


**Front**

**R-2000iB/165R**



**Side**

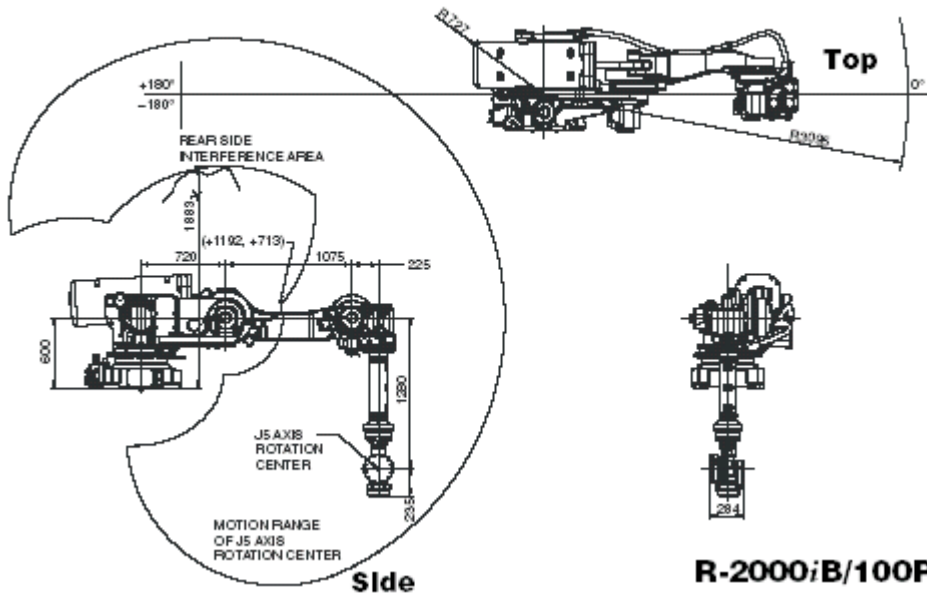


**Top**

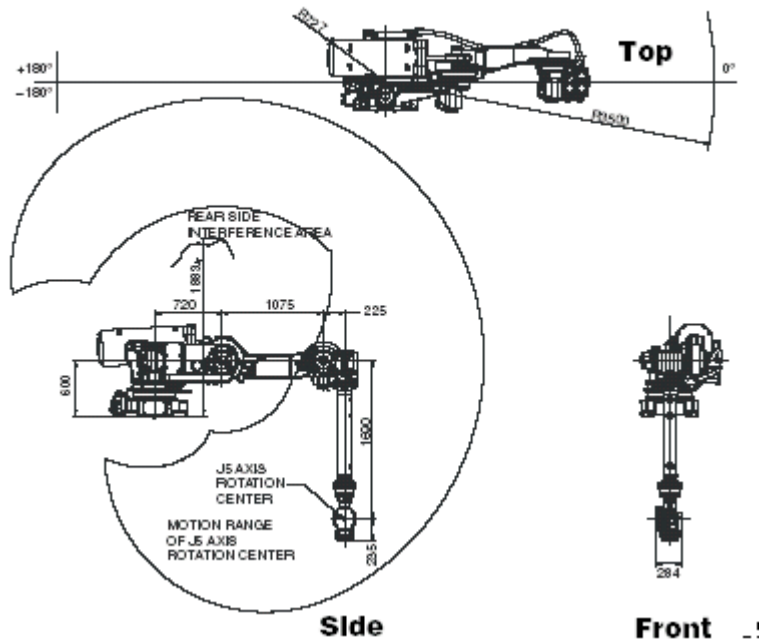


**Front**

# R-2000iB/200R

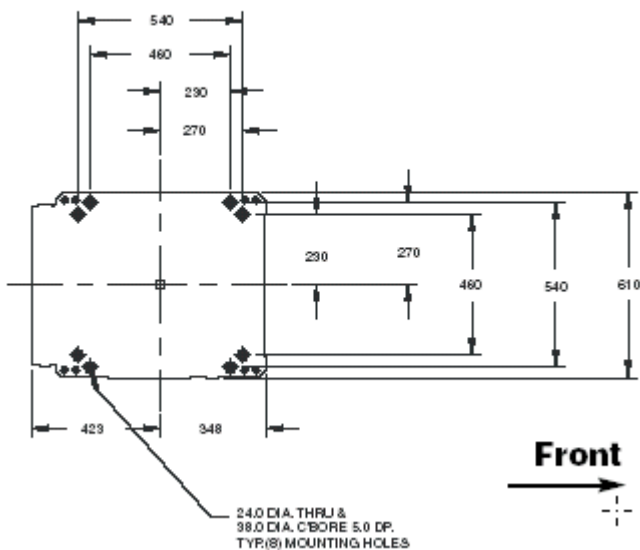


R-2000iB/100P



Front

## Footprint (All models)



## R-2000iB Series Specifications

Items		/165F	/210F	/125L	/165R	/200R	/100P	
General Purpose		Heavy payload floor mount	Heavier payload floor mount	Longer reach floor mount	Heavy payload rack mount	Heavier payload rack mount	Longer reach rack mount	
Controlled axes		6	6	6	6	6	6	
Payload - Wrist (kg)		165	210	125	165	200	100	
Payload - J2 Base (kg)		550	550	550	550	550	550	
Payload - J3 forearm (kg)		25	25	20	25	0	25	
Horizontal reach (mm)		2655	2655	3005	3095	3095	3500	
Repeatability (mm) per JISB 8432		±0.2	±0.3	±0.2	±0.3	±0.3	±0.3	
J2 interference radius (mm)		582	620	582	727	727	727	
Motion range (degrees)	J1	360	360	360	360	360	360	
	J2	136	136	136	185	185	185	
	J3	362	362	362	365	365	365	
	J4	720	720	720	720	720	720	
	J5	250	250	250	250	250	250	
	J6	720	720	720	720	720	720	
Motion speed (degrees/s)	J1	110	95	110	110	90	110	
	J2	110	90	110	100	85	90	
	J3	110	95	110	110	95	110	
	J4	150	120	170	150	120	120	
	J5	150	120	170	150	120	120	
	J6	220	190	260	220	190	190	
Wrist moment <sup>(1)</sup> (kgf-m)	J4	94	136	60	94	136	100	
	J5	94	136	60	94	136	100	
	J6	47	72	35	47	72	72	
Wrist inertia <sup>(2)</sup> (kgf-cm-s <sup>2</sup> )	J4	800	1440/2300	600	800	1440	2300	
	J5	800	1440/2300	600	800	1440	2300	
	J6	410	800/2000	230	410	800	2000	
AC electric servo drive		All joints	All joints	All joints	All joints	All joints	All joints	
Fail-safe brakes		All joints	All joints	All joints	All joints	All joints	All joints	
Robot mass (kg)		1170	1240	1190	1480	1540	1570	
Ambient temperature °C		0 to 45	0 to 45	0 to 45	0 to 45	0 to 45	0 to 45	
Vibration (G)		≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	
Relative humidity		Normally: ≤75%; Short term (≤month): ≤95%. No condensation (dew or frost).						
Installation altitude		Up to 1000 m above sea level.						
IP Ratings per BS EN 60529-1992 <sup>(3)</sup>		Standard: IP67 wrist and forearm, IP54 main body. Optional: FoundryPRO IP66 main body drivetrain, two-part epoxy paint.						

- Notes:**
- (1) Higher allowable wrist moments are possible with wrist flange facing up and down.
  - (2) Higher wrist inertias can be toggled from within application code; acc/dec slightly affected when on but all other specs unchanged.
  - (3) Fluids which harm nitrile rubber (NBR) must not be used. FoundryPRO not available on R-2000iB/100P.