IRB 660 Industrial Robot

MAIN APPLICATIONS Material handling Palletizing



Pushing the working envelope

The IRB 660 is a dedicated palletizer that blends speed, reach and payload like no other robot on the market. This is an exceptionally fast 4-axis machine that combines a 3.15 meter reach with a 250 kg payload, making it ideal for palletizing bags, boxes, crates, bottles and more.

The IRB 660 is considerably faster than its predecessor. Its optimized motor power and motion performance ensure significantly shorter cycle times than competing products. The new palletizer comes in a high-speed version capable of handling 180 kg payloads at full speed, and as a 250 kg version for high throughput. The robot's impressive reach means it can service up to four in-feed conveyors, two pallet stacks, one slip-sheet stack and four palletizing out-feeding lines. In fact, the IRB 660 has the versatility, reach and handling capacity to meet the demands of just about any palletizing applications.

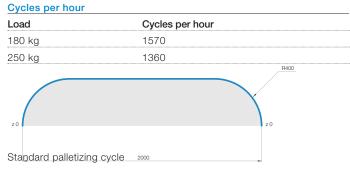
The IRB 660 is easy to come to grips with. ABB's multi-functional IRC 5 controller and comprehensive packaging line software, PickMaster, house all the key functions for quick, easy programming and intuitive operation on the shop floor. Furthermore, the robot's rugged design and IP 67 tightness make for steady performance in even the toughest environments. As well as ensuring those extra lengthy service intervals!



IRB 660

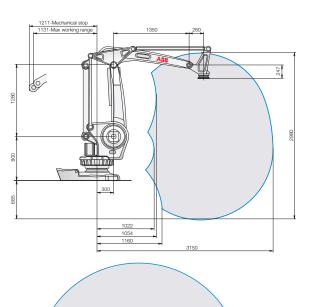
Robot versions	Handlir	a	Reach	
IRB	capacit	-	nouon	
660-180/3.15	180 kg	.,	3.15 m	
660-250/3.15	250 kg		3.15 m	
Number of axes:	4		0.10 11	
Protection class:		IP 67		
Mounting:	Floor m	ounted		
IRC5 Controller variants		Single cabinet, Dual cabinet		
Performance	- Olingio e			
Position repeatability	0.1 mm	0.1 mm		
Path repeatability	0.3 mm			
Axis movements		Working range IRB 660		
Axis 1 Rotation		+180° to -180° Option +220° to -220°		
Axis 2 Arm		+85° to -42°		
Axis 3 Arm		+120° to -20°		
Axis 6 Turn		+300° to -300° Default		
		+150 rev. to -150 rev. Max.		
Max velocity	110010			
Axis no.	IBB 660)-180/3.15	IRB 660-250/3.15	
1	130°/s		95°/s	
2	130°/s		95°/s	
3	130°/s		95°/s	
6	300°/s		240°/s	
Electrical connections			,	
Supply voltage	200-600	200-600 V, 50/60 Hz		
Power consumption	ISO-Cube		2.7 kW	
		movements	3.2 kW	
Physical				
Robot base	1136 ×	1136 x 850 mm		
Weight	1650 kg			
Environment		,		
Ambient temperature for	r mechanic	al unit:		
During operation:			to +50°C (122°F)	
During transportation and storage:			-25°C (-13°F) to 55°C (131°F)	
For short periods		(Max. 24 h): +70°C (158°F)		
Relative humidity			max 95%	
Noice level			Max 73 dB (A)	
Safety		Double circuits with supervision,		
		emergency stops and safety		
		functions, 3-positions enable		
		,	device	
Emission		EMC/EMI-shielded		

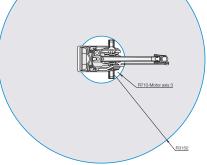
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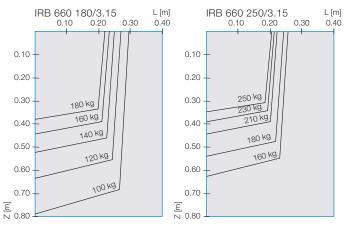


Working range at wrist center & load diagram

IRB 660-180/3.15 and IRB 660-250/3.15







Power and productivity for a better world™

