

EC-171

Robotic Palletizer



EC-171 Series Technical Specifications

Fuji ACE Model		EC-171
Type of Motion		Multi-Articulated
Action Mode		Cylindrical
Load Capacity (Including End Effector)		160kg (353 lbs)
Palletizing Capacity (cycles / hour)		1400
Degree of freedom		4 axis
Operating Area	Z axis (vertical)	2400 mm (94.75")
	R axis (longitudinal)	1600 mm (63")
	Theta axis (rotation)	330°
	Alpha axis (wrist)	330°
Repeatability		± 0.5mm
Memory		400 programming locations available
Teaching method		Teaching playback / Teaching Support
Power Requirements		(208 / 220V, 3 phase, 50 / 60 Hz)
Power Consumption (Without Peripheral Equipment Load)		4.0 kVA / 10.5 Amps
Robot Weight (Without End Effector)		750 Kg (1654 lbs)
Maximum Air Pressure		120 psi (0.827 MPa)
Pneumatic Consumption (*Using Standard Fuji Case or Bag End Effector)		*5.7 SCFM @ 70 psi (.48 MPa)

Note: Capacity rates can be significantly affected by layouts, product types and total payload weight. Accurate capacity can be confirmed after a detailed analysis of an application.

The **EC-171** robot has the largest working envelope of all Fuji Robots while maintaining the smallest rotation radius. The **EC-171** is energy efficient using only 4 kva while still allowing the robot to work in tight space conditions and accomplishing a very high palletizing rate.

Operating Range

	Dimensions (mm)					
	A	B	C	D	E	F
EC-171	2143	663	1737	950	1600	2400

Details provide are for reference purposes only. All dimensions are in metric (millimeters)

