

Kinetix 6000 Specifications

IAM Converters (2094-)	AC05-M01	AC09-M02	BC01-M01	BC02-M02
AC Input Voltage	195-265V rms three-phase		324-528V rms three-phase	
AC Input Frequency	47 - 63 Hz -----			
Main AC Input Current - Nominal	11A	20A	7.2A	18A
Main AC Input Current - Maximum inrush	40A	40A	40A	45A
Logic Power AC Input Voltage	95-264V rms single-phase (110/230V nominal) -----			
Continuous Output Current to Bus (Adc)	9A	19A	10A	22.5A
Intermittent Output Current to Bus (Adc)	18A	38A	20A	45A
Continuous Power Output to Bus (nominal)	3 kW	6 kW	6 kW	15 kW
IAM and AM Inverters (2094-)	AC05-M01 and AM01	AC09-M02 and AM02	BC01-M01 and BM01	BC02-M02 and BM02
Continuous Output Current (0-peak)	9A	15A	9A	15A
Peak Output Current (0-peak)	17A	30A	13A	22A
Maximum seconds at peak	2.5	2.5	5	5
Continuous Power Out (nominal)	1.9 kW	3.4 kW	3.9 kW	6.6 kW
Module Size Specifications	Height	Depth	Width AM	Width IAM
230V ac	200mm	195mm	70mm	125mm
460V ac	250mm	260mm	70mm	125mm
Motors with 1st release K6000/V11 RSLogix	MP-Series Low Inertia, 1326AB, Y-, H-, and N-Series			
Feedback types	Resolver, plus incremental, hi-resolution single- and multi-turn absolute encoders, including Stegmann Hiperface and sine/cosine			

UL® listed to U.S and Canadian safety standards, and CE compliant.

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Kinetix 6000 Overview								
<ul style="list-style-type: none"> • high-end, multi-axis digital servo drive designed to optimize performance, size, ease-of-use and low cost. • goes beyond drive-only concerns to help the designer improve the machine as a whole. • world class velocity and current bandwidths provide speed/smoothness for high-end applications (e.g., packaging and converting). • smaller size, zero-stacking, bookshelf style (plus enhanced features) for efficient use of panel space. • reduces time and costs to design, build and commission a machine. • reduced wiring means lower costs, fewer wiring errors, and less documentation. 								
Performance								
• Current Loop bandwidth > 1300Hz			• Velocity Loop bandwidth > 400Hz (2 to 5 times that of competitors)					
Size Savings								
• Drive modules are 20%-68% smaller			• Size and features (integrated power supply) = 50% reduction in panel space					
Ease-Of-Use				Wiring Savings				
<ul style="list-style-type: none"> • Logix includes motion and sequential programming • "dirty" and "clean" cable separation • Standard removable connectors on top and front 				<ul style="list-style-type: none"> • SERCOS improves diagnostics and reduces wiring • Power Rail for 8 axis install < 3-5 minutes and eliminates 20 wires/bus bars/drive • LIM replaces 9 devices and 72 wire terminations 				
Cost Savings								
Low module prices + minimized mounting and wiring + simplified programming + smaller panel needs + lower ancillary equipment costs = lower machine costs (\$300-1000/axis)								
System List Price /Axis	1 axis	2 axis	3 axis	4 axis	5 axis	6 axis	7 axis	8 axis
460V, 9A	\$2,310	\$1,775	\$1,638	\$1,505	\$1,478	\$1,416	\$1,407	\$1,369
460V, 15A	2,810	2,150	1,972	1,818	1,778	1,708	1,693	1,651
230V, 9A	2,210	1,700	1,572	1,443	1,418	1,358	1,350	1,313
230V, 15A	2,710	2,075	1,905	1,755	1,718	1,649	1,636	1,594
3M Cable Set	184	184	184	184	184	184	184	184

Spare Allen-Bradley Parts