

RE: Information Update Notice for IK Series Catalog

Dear Valued Customer,

Specification Tables have been updated from the Catalog No: CJ0120-2A-UST-2.
Please refer to the following for the respective tables. Thank you for using IAI product.

Page	Section	Incorrect description	Correct description
13, 15, 17, 19, 21, 23, 25, 27, 29, 33, 37, 41, 83, 86, 88	Specifications	Axis 2	Max speed

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IK2-PXBB1□□D

Specifications		
Item	X axis	Y axis
Axis model	RCP2-SS8R	RCP2-SA7R
Stroke (Can be set in 50-mm increments)	50-800mm	High-speed type: 350-400mm Medium-speed type: 200-400mm
Max speed	High-speed type: 250mm/s Medium-speed type: 125mm/s	High-speed type: 450mm/s Medium-speed type: 220mm/s
Motor size	56-square pulse motor	
Ball screw lead	High-speed type: 20mm Medium-speed type: 10mm	High-speed type: 16mm Medium-speed type: 8mm
Drive method	Ball screw, ø16mm, rolled, C10	Ball screw, ø12mm, rolled, C10
Positioning repeatability	±0.02mm	
Base material	Dedicated alloy steel	Aluminum
Surrounding air temperature/humidity	0 to 40°C, 85% RH or below (non-condensing)	

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IK2-PXBB2□□D

Specifications		
Item	X axis	Y axis
Axis model	RCP2-SS8C	RCP2-SA7R
Stroke (Can be set in 50-mm increments)	50-800mm	High-speed type: 350-400mm Medium-speed type: 200-400mm
Max speed	High-speed type: 250mm/s Medium-speed type: 125mm/s	High-speed type: 450mm/s Medium-speed type: 220mm/s
Motor size	56-square pulse motor	
Ball screw lead	High-speed type: 20mm Medium-speed type: 10mm	High-speed type: 16mm Medium-speed type: 8mm
Drive method	Ball screw, ø16mm, rolled, C10	Ball screw, ø12mm, rolled, C10
Positioning repeatability	±0.02mm	
Base material	Dedicated alloy steel	Aluminum
Surrounding air temperature/humidity	0 to 40°C, 85% RH or below (non-condensing)	

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IK2-PXZB1□□D

Specifications		
Item	X axis	Z axis
Axis model	RCP2-SS8R	RCP2-SA7R
Stroke (Can be set in 50-mm increments)	50-800mm	High-speed type: 300mm Medium-speed type: 300mm Low-speed type: 150-300mm
Max speed	High-speed type: 250mm/s	High-speed type: 400mm/s Medium-speed type: 200mm/s Low-speed type: 100mm/s
Motor size	56-square pulse motor	
Ball screw lead	High-speed type: 20mm	High-speed type: 16mm Medium-speed type: 8mm Low-speed type: 4mm
Drive method	Ball screw, ø16mm, rolled, C10	Ball screw, ø12mm, rolled, C10
Positioning repeatability	±0.02mm	
Base material	Dedicated alloy steel	Aluminum
Surrounding air temperature/humidity	0 to 40°C, 85% RH or below (non-condensing)	

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IK2-SXBD1□□S

Specifications				
Item		X axis		Y axis
Axis model		RCS2-S57R		RCS2-SA5R
Stroke (Can be set in 50-mm increments)		50-600mm		50-200mm
Max speed	Stroke	50-500mm	550-600mm	50-200mm
	High speed	600mm/s	470mm/s	800mm/s
	Medium speed	-	-	400mm/s
Motor output (W)		60W		20W
Ball screw lead		High-speed type: 12mm		High-speed type: 12mm Medium-speed type: 6mm
Drive method		Ball screw, ø10 mm, rolled, C10		
Positioning repeatability		±0.02mm		
Base material		Dedicated alloy steel		Aluminum
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)		

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IK2-SXBD1□□D

Specifications				
Item		X axis		Y axis
Axis model		RCS2-S57R		RCS2-SA5R
Stroke (Can be set in 50-mm increments)		50-450mm		250-400mm
Max speed	Stroke	50-350mm	400-450mm	250-400mm
	High speed	600mm/s	470mm/s	800mm/s
	Medium speed	-	-	400mm/s
Motor output (W)		60W		20W
Ball screw lead		High-speed type: 12mm		High-speed type: 12mm Medium-speed type: 6mm
Drive method		Ball screw, ø10 mm, rolled, C10		
Positioning repeatability		±0.02mm		
Base material		Dedicated alloy steel		Aluminum
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)		

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IK2-SXBD2□□S

Specifications				
Item		X axis		Y axis
Axis model		RCS2-S57C		RCS2-SA5R
Stroke (Can be set in 50-mm increments)		50-600mm		50-200mm
Max speed	Stroke	50-500mm	550-600mm	50-200mm
	High speed	600mm/s	470mm/s	800mm/s
	Medium speed	-	-	400mm/s
Motor output (W)		60W		20W
Ball screw lead		High-speed type: 12mm		High-speed type: 12mm Medium-speed type: 6mm
Drive method		Ball screw, ø10 mm, rolled, C10		
Positioning repeatability		±0.02mm		
Base material		Dedicated alloy steel		Aluminum
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)		

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IK2-SXBD2□□D

Specifications				
Item		X axis		Y axis
Axis model		RCS2-S57C		RCS2-SA5R
Stroke (Can be set in 50-mm increments)		50-450mm		250-400mm
Max speed	Stroke	50-350mm	400-450mm	250-400mm
	High speed	600mm/s	470mm/s	800mm/s
	Medium speed	-	-	400mm/s
Motor output (W)		60W		20W
Ball screw lead		High-speed type: 12mm		High-speed type: 12mm Medium-speed type: 6mm
Drive method		Ball screw, ø10 mm, rolled, C10		
Positioning repeatability		±0.02mm		
Base material		Dedicated alloy steel		Aluminum
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)		

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IK2-SXBC1□□S

Specifications				
Item		X axis		Y axis
Axis model		RCS2-SS7R		RCS2-SA6R
Stroke (Can be set in 50-mm increments)		50-600mm		50-200mm
Max speed	Stroke	50-500mm	550-600mm	50-200mm
	High speed	600mm/s	470mm/s	800mm/s
	Medium speed	300mm/s	230mm/s	400mm/s
Motor output (W)		60W		30W
Ball screw lead		High-speed type: 12mm Medium-speed type: 6mm		
Drive method		Ball screw, ø10 mm, rolled, C10		
Positioning repeatability		±0.02mm		
Base material		Dedicated alloy steel		Aluminum
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)		

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IK2-SXBC1□□D

Specifications				
Item		X axis		Y axis
Axis model		RCS2-SS7R		RCS2-SA6R
Stroke (Can be set in 50-mm increments)		50-450mm		250-400mm
Max speed	Stroke	50-350mm	400-450mm	250-400mm
	High speed	600mm/s	470mm/s	800mm/s
	Medium speed	300mm/s	230mm/s	400mm/s
Motor output (W)		60W		30W
Ball screw lead		High-speed type: 12mm Medium-speed type: 6mm		
Drive method		Ball screw, ø10 mm, rolled, C10		
Positioning repeatability		±0.02mm		
Base material		Dedicated alloy steel		Aluminum
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)		

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IK2-SXBC2□□S

Specifications				
Item		X axis		Y axis
Axis model		RCS2-SS7C		RCS2-SA6R
Stroke (Can be set in 50-mm increments)		50-600mm		50-200mm
Max speed	Stroke	50-500mm	550-600mm	50-200mm
	High speed	600mm/s	470mm/s	800mm/s
	Medium speed	300mm/s	230mm/s	400mm/s
Motor output (W)		60W		30W
Ball screw lead		High-speed type: 12mm Medium-speed type: 6mm		
Drive method		Ball screw, ø10 mm, rolled, C10		
Positioning repeatability		±0.02mm		
Base material		Dedicated alloy steel		Aluminum
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)		

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IK2-SXBC2□□D

Specifications				
Item		X axis		Y axis
Axis model		RCS2-SS7C		RCS2-SA6R
Stroke (Can be set in 50-mm increments)		50-450mm		250-400mm
Max speed	Stroke	50-350mm	400-450mm	250-400mm
	High speed	600mm/s	470mm/s	800mm/s
	Medium speed	300mm/s	230mm/s	400mm/s
Motor output (W)		60W		30W
Ball screw lead		High-speed type: 12mm Medium-speed type: 6mm		
Drive method		Ball screw, ø10 mm, rolled, C10		
Positioning repeatability		±0.02mm		
Base material		Dedicated alloy steel		Aluminum
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)		

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IK2-SXBB1□□S

Specifications								
Item		X axis					Y axis	
Axis model		RCS2-SS8R					RCS2-SA7R	
Stroke (Can be set in 50-mm increments)		50-1000mm					50-300mm	
Max speed	Stroke	50-600mm	650-700mm	750-800mm	850-900mm	950-1000mm	50-300mm	
	High speed	1000mm/s	960mm/s	765mm/s	625mm/s	515mm/s	800mm/s	
	Medium speed	500mm/s	480mm/s	380mm/s	310mm/s	255mm/s	400mm/s	
Motor output (W)		100W					60W	
Ball screw lead		High-speed type: 20mm Medium-speed type: 10mm					High-speed type: 16mm Medium-speed type: 8mm	
Drive method		Ball screw, ø16 mm, rolled, C10					Ball screw, ø12 mm, rolled, C10	
Positioning repeatability		±0.02mm						
Base material		Dedicated alloy steel					Aluminum	
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)						

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IK2-SXBB1□□D

Specifications								
Item		X axis					Y axis	
Axis model		RCS2-SS8R					RCS2-SA7R	
Stroke (Can be set in 50-mm increments)		50-800mm					High-speed type: 350-400mm Medium-speed type: 200-400mm	
Max speed	Stroke	50-400mm	450-500mm	550-600mm	650-700mm	750-800mm	200-400mm	
	High speed	1000mm/s	960mm/s	765mm/s	625mm/s	515mm/s	800mm/s	
	Medium speed	500mm/s	480mm/s	380mm/s	310mm/s	255mm/s	400mm/s	
Motor output (W)		100W					60W	
Ball screw lead		High-speed type: 20mm Medium-speed type: 10mm					High-speed type: 16mm Medium-speed type: 8mm	
Drive method		Ball screw, ø16 mm, rolled, C10					Ball screw, ø12 mm, rolled, C10	
Positioning repeatability		±0.02mm						
Base material		Dedicated alloy steel					Aluminum	
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)						

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IK2-SXBB2□□S

Specifications								
Item		X axis					Y axis	
Axis model		RCS2-SS8C					RCS2-SA7R	
Stroke (Can be set in 50-mm increments)		50-1000mm					50-300mm	
Max speed	Stroke	50-600mm	650-700mm	750-800mm	850-900mm	950-1000mm	50-300mm	
	High speed	1000mm/s	960mm/s	765mm/s	625mm/s	515mm/s	800mm/s	
	Medium speed	500mm/s	480mm/s	380mm/s	310mm/s	255mm/s	400mm/s	
Motor output (W)		100W					60W	
Ball screw lead		High-speed type: 20mm Medium-speed type: 10mm					High-speed type: 16mm Medium-speed type: 8mm	
Drive method		Ball screw, ø16 mm, rolled, C10					Ball screw, ø12 mm, rolled, C10	
Positioning repeatability		±0.02mm						
Base material		Dedicated alloy steel					Aluminum	
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)						

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IK2-SXBB2□□D

Specifications								
Item		X axis					Y axis	
Axis model		RCS2-SS8C					RCS2-SA7R	
Stroke (Can be set in 50-mm increments)		50-800mm					High-speed type: 350-400mm Medium-speed type: 200-400mm	
Max speed	Stroke	50-400mm	450-500mm	550-600mm	650-700mm	750-800mm	200-400mm	
	High speed	1000mm/s	960mm/s	765mm/s	625mm/s	515mm/s	800mm/s	
	Medium speed	500mm/s	480mm/s	380mm/s	310mm/s	255mm/s	400mm/s	
Motor output (W)		100W					60W	
Ball screw lead		High-speed type: 20mm Medium-speed type: 10mm					High-speed type: 16mm Medium-speed type: 8mm	
Drive method		Ball screw, ø16 mm, rolled, C10					Ball screw, ø12 mm, rolled, C10	
Positioning repeatability		±0.02mm						
Base material		Dedicated alloy steel					Aluminum	
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)						

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IK2-SXBA1□□S

Specifications								
Item		X axis					Y axis	
Axis model		RCS2-SS8R					RCS2-SS8R	
Stroke (Can be set in 50-mm increments)		50-1000mm					High-speed type: 50-350mm Medium-speed type: 50-200mm	
Max speed	Stroke	50-600mm	650-700mm	750-800mm	850-900mm	950-1000mm	50-350mm	
	High speed	1000mm/s	960mm/s	765mm/s	625mm/s	515mm/s	1000mm/s	
	Medium speed	500mm/s	480mm/s	380mm/s	310mm/s	255mm/s	500mm/s	
Motor output (W)		150W					100W	
Ball screw lead		High-speed type: 20mm Medium-speed type: 10mm						
Drive method		Ball screw, ø16 mm, rolled, C10						
Positioning repeatability		±0.02mm						
Base material		Dedicated alloy steel						
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)						

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IK2-SXBA1□□D

Specifications								
Item		X axis					Y axis	
Axis model		RCS2-SS8R					RCS2-SS8R	
Stroke (Can be set in 50-mm increments)		50-800mm					High-speed type: 300-400mm Medium speed type: 100-400mm	
Max speed	Stroke	50-400mm	450-500mm	550-600mm	650-700mm	750-800mm	100-400mm	
	High speed	1000mm/s	960mm/s	765mm/s	625mm/s	515mm/s	1000mm/s	
	Medium speed	500mm/s	480mm/s	380mm/s	310mm/s	255mm/s	500mm/s	
Motor output (W)		150W					100W	
Ball screw lead		High-speed type: 20mm Medium-speed type: 10mm						
Drive method		Ball screw, ø16 mm, rolled, C10						
Positioning repeatability		±0.02mm						
Base material		Dedicated alloy steel						
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)						

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IK2-SXBA2□□S

Specifications								
Item		X axis					Y axis	
Axis model		RCS2-SS8C					RCS2-SS8R	
Stroke (Can be set in 50-mm increments)		50-1000mm					High-speed type: 50-350mm Medium speed type: 50-200mm	
Max speed	Stroke	50-600mm	650-700mm	750-800mm	850-900mm	950-1000mm	50-350mm	
	High speed	1000mm/s	960mm/s	765mm/s	625mm/s	515mm/s	1000mm/s	
	Medium speed	500mm/s	480mm/s	380mm/s	310mm/s	255mm/s	500mm/s	
Motor output (W)		150W					100W	
Ball screw lead		High-speed type: 20mm Medium-speed type: 10mm						
Drive method		Ball screw, ø16 mm, rolled, C10						
Positioning repeatability		±0.02mm						
Base material		Dedicated alloy steel						
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)						

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IK2-SXBA2□□D

Specifications								
Item		X axis					Y axis	
Axis model		RCS2-SS8C					RCS2-SS8R	
Stroke (Can be set in 50-mm increments)		50-800mm					High-speed type: 300-400mm Medium speed type: 100-400mm	
Max speed	Stroke	50-400mm	450-500mm	550-600mm	650-700mm	750-800mm	100-400mm	
	High speed	1000mm/s	960mm/s	765mm/s	625mm/s	515mm/s	1000mm/s	
	Medium speed	500mm/s	480mm/s	380mm/s	310mm/s	255mm/s	500mm/s	
Motor output (W)		150W					100W	
Ball screw lead		High-speed type: 20mm Medium-speed type: 10mm						
Drive method		Ball screw, ø16 mm, rolled, C10						
Positioning repeatability		±0.02mm						
Base material		Dedicated alloy steel						
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)						

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IK2-SXZB1□□S

Specifications							
Item		X axis					Z axis
Axis model		RCS2-SS8R					RCS2-SA7R
Stroke (Can be set in 50-mm increments)		50-1000mm					50-250mm
Max speed	Stroke	50-600mm	650-700mm	750-800mm	850-900mm	950-1000mm	50-250mm
	High speed	1000mm/s	960mm/s	765mm/s	625mm/s	515mm/s	800mm/s
	Medium speed	-	-	-	-	-	400mm/s
	Low speed	-	-	-	-	-	200mm/s
Motor output (W)		100W					60W
Ball screw lead		High-speed type: 20mm					High-speed type: 16mm Medium-speed type: 8mm Low-speed type: 4mm
Drive method		Ball screw, ø16 mm, rolled, C10					Ball screw, ø12 mm, rolled, C10
Positioning repeatability		±0.02mm					
Base material		Dedicated alloy steel					Aluminum
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)					

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IK2-SXZB1□□D

Specifications							
Item		X axis					Z axis
Axis model		RCS2-SS8R					RCS2-SA7R
Stroke (Can be set in 50-mm increments)		50-800mm					High-speed type: 300mm Medium-speed type: 300mm Low-speed type: 150-300mm
Max speed	Stroke	50-400mm	450-500mm	550-600mm	650-700mm	750-800mm	150-300mm
	High speed	1000mm/s	960mm/s	765mm/s	625mm/s	515mm/s	800mm/s
	Medium speed	-	-	-	-	-	400mm/s
	Low speed	-	-	-	-	-	200mm/s
Motor output (W)		100W					60W
Ball screw lead		High-speed type: 20mm					High-speed type: 16mm Medium-speed type: 8mm Low-speed type: 4mm
Drive method		Ball screw, ø16 mm, rolled, C10					Ball screw, ø12 mm, rolled, C10
Positioning repeatability		±0.02mm					
Base material		Dedicated alloy steel					Aluminum
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)					

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IK2-SYBB1□□S

Specifications							
Item		Y axis					Z axis
Axis model		RCS2-SS8R					RCS2-SA7R
Stroke (Can be set in 50-mm increments)		50-1000mm					50-300mm
Max speed	Stroke	50-600mm	650-700mm	750-800mm	850-900mm	950-1000mm	50-300mm
	High speed	1000mm/s	960mm/s	765mm/s	625mm/s	515mm/s	800mm/s
	Medium speed	-	-	-	-	-	400mm/s
	Low speed	-	-	-	-	-	200mm/s
Motor output (W)		100W					60W
Ball screw lead		High-speed type: 20mm					High-speed type: 16mm Medium-speed type: 8mm Low-speed type: 4mm
Drive method		Ball screw, ø16 mm, rolled, C10					Ball screw, ø12 mm, rolled, C10
Positioning repeatability		±0.02mm					
Base material		Dedicated alloy steel					Aluminum
Surrounding air temperature/humidity		0 to 40°C, 85% RH or below (non-condensing)					