

INKJET PRINTHEADS

KJ4A-SERIES · KJ4B-SERIES · KJ4C-SERIES



- Excellent performance opening new horizons
- Design center support with inkjet test lab in Esslingen, Germany

KEY DEVICES BEYOND THE STANDARD

▶ Features

· Recirculation available

- Wide print width: 108 mm
 wider printing coverage with fewer printheads
- **High-speed:** 100 m/min achieved in single pass printing
- High image quality: 1200 dpi grayscale due to Kyocera's piezoelectric actuator
- High reliability for continuous printing
 unique ink channel design provides
 stable ink supply up to 5312 nozzles

▶ KJ4A-Series

- designed for UV-curable inks or other high viscosity inks
- · optimal for e.g. label/packaging, sign graphics, offset surprint

▶ KJ4B-Series

- designed for high speed printing of water-based inks
- optimal for e.g. transaction printing, document printing, textile, MICR printing, 3D printing, building materials and others

▶ KJ4C-Series

- designed for high viscosity oil-based inks with ink circulation feature
- · optimal for e.g. ceramic tile printing which requires large drop volume

COMPANY



Headquartered in Kyoto, Japan, KYOCERA Corporation is one of the world's leading manufacturers of fine ceramic components for the technology industry.

Kyocera produces the piezo actuator, which is the core component in inkjet printheads. The production is based on Kyocera's technical expertise in fine ceramics ever since the company was established in 1959.

With the combination of the piezo technology and printing device technology, Kyocera inkjet printheads have realized high speed printing, high resolution, grayscale and wide printing width.

Model

Туре

Number of nozzles (in effective print width) Standard resolution

Effective print width

Max. drive frequency

Optimum ink viscosity

Dimensions (W × D × H)

Max. print speed

Drop volume

Weight





	30
	KJ4B-1200 (RC)
	High resolution with R/C
	5116
[dpi]	1200 x 1200
[mm]	108.27
[kHz]	80
[m/min]	100
[pL]	1.0 - 2.5 (TBD)
[mPa*s]	5.5 - 6.0
[mm]	200 × 52 × 141.1

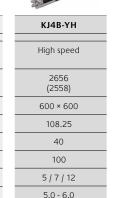
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KJ4B-1200	KJ4B-QA
cialist for high tion applications	Standard
5312 (5312)	2656 (2558)
200 × 1200	600 × 600
112.44	108.25
64	30
80	75
1.5 / 3 / 5	5 / 7 / 12 / 18 ⁽¹⁾
5.5 - 6.0	5.0 - 6.0
0 × 45 × 71.6	200 × 25 × 59.3





1400 (TBD)









Model	
Туре	
Number of nozzles (in effective print width)	
Standard resolution	[dpi]
Effective print width	[mm]
Max. drive frequency	[kHz]
Max. print speed	[m/min]
Drop volume	[pL]
Optimum ink viscosity	[mPa*s]
Dimensions (W × D × H)	[mm]
Weight	[n]

	KJ4B-0360
Larg	ge drop deposition with R/C
	1584 (1456)
	360 x 360
	102.66
	12
	50
	15 - 84 (TBD)
	10 - 15 (TBD)
	200 × 39 × 54
	424

KJ4B-0300
2c for scanning applications
1328 × 2 channels (1328 × 2)
300 × 300
112.35
30
152
5 / 7 / 12 / 18 ⁽¹⁾

KJ4B-0150
4c for multi-pass printing
664 × 4 channels (664 × 4)
150 × 150
112.35
30
152
5 / 7 / 12 / 18 ⁽¹⁾
5.0 - 6.0
200 × 45 × 66.8
640



200 × 30 × 60.9

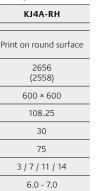
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KJ4C-0360	
ink circulation	
1568 (1568)	
360 × 360	
109	
12	
50	
15 - 84	
10 - 18	
200 × 39 × 54	
407	





Model	
Туре	
Number of nozzles (in effective print width)	
Standard resolution	[dpi]
Effective print width	[mm]
Max. drive frequency	[kHz]
Max. print speed	[m/min]
Drop volume	[pL]
Optimum ink viscosity	[mPa*s]
Dimensions (W × D × H)	[mm]
Weight	[9]



200 × 30 × 61.2

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5.0 - 6.0 200 × 36 × 61.1 540

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KJ4A-TA	KJ4A-AA
Standard	Enables small drop
2656 (2558)	2656 (2558)
600 × 600	600 × 600
108.25	108.25
20	20
50	50
6 / 7 / 11 / 14	3 / 6 / 13
6.0 - 7.0	6.0 - 6.5
200 × 25 × 59.3	200 × 25 × 59.3
420	420



KJ4A-0300
2c for multi-pass printing
1328 × 2 channels (1328 × 2)
300 × 300
112.35
30
152
4 / 6 / 10 / 14
7.0 - 7.5
200 × 36 × 61.4

540



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