



## Printers with Capabilities

Controllers	CT, CB, CU, SA	CT, TIPC, CB, CU, SA	CT, TIPC, CB, CU, SA	CT, TIPC, CB, CU, SA	CT, TIPC, CB, CU, SA, TCU	CT, PCIPCB	CT, TIPC, CB, CU, SA
Engine	XJ128 original 200dpi	XJ128+ 200dpi	XJ128 360 5.5kHz	XJ128 360 8.3kHz	HP-Series 45 cartridge	XJ126-200	XJ500-180
Quality of Printhead resolution	185dpi	185dpi	185 & 360dpi	185 & 360dpi	600,300,150,75 dpi	185dpi	180dpi
Channel resolution	185	185	185	185	600 x 600, 300 x 300, 300 x 150	185	180
Typical drop volume	80pl	70pl	40pl	40pl	33pl	80pl	80pl
Speed Max fire frequency	4.25kHz	5.5kHz	5.5kHz	8.3kHz	12kHz to 15kHz	5.2kHz	4.0kHz
Standard speed	35m/min (114ft/min)	45m/min (147ft/min)	45m/min at 185dpi 23m/min at 360dpi	68m/min at 185dpi 35m/min at 360dpi	125fpm, 250fpm, 1000fpm	43m/min (141ft/min)	34m/min (111ft/min)
Double Speed	70m/min (228ft/min)	90m/min (294ft/min)	90m/min (294ft/min)	136m/min (446ft/min)	N/A	86m/min (282ft/min)	N/A
Print swathe width	17.5mm (0.7")	17.5mm (0.7")	17.5mm (0.7")	17.5mm (0.7")	0.5"	17.5mm (0.7")	70mm (2.8")
No. of addressable channels	128	128	128	128	300 per pen	126	500
Optimal print distance	1mm	1mm	1mm	1mm	1mm	1mm	1mm
Max engines per controller	16-CT, 16-TIPC, 16-CB, 8-CU, 4-SA,	16-CT, 16-TIPC, 16-CB, 8-CU, 4-SA,	16-CT, 16-TIPC, 16-CB, 8-CU, 4-SA,	16-CT, 16-TIPC, 16-CB, 8-CU, 4-SA,	8-CT, 4-TIPC, 4-CB, 4-CU, 0-SA, 2-TCU	8-CT, 8-PCIPCB	4-CT, 4-TIPC, 4-CB, 2-CU,
Print head cable length	25'	25'	25'	25'	6'	25'	25'
Inks	oil, solvent	oil, solvent	oil, solvent	oil, solvent	water based	oil,UV	oil, UV, slow solvents
Features		Wet nozzle plate					
Warranty	4 million drops	4 million drops	4 million drops	4 million drops	40 million characters based on 300x600 using 10-point	8 million drops	8 million drops
Typical drop placement accuracy	1.0 degrees	1.0 degrees	1.0 degrees	1.0 degrees	1.0 degrees	0.7 degrees	1.0 degrees

### HP print speeds:

600x600 dpi at 39 m/min (128 ft/min)

600x300 dpi at 78 m/min (256 ft/min) called 300x300 – double ink. Both nozzle rows shoot but only at every other fire.

600x150 dpi at 156 m/min (511 ft/min) called 300x150 – double ink. Both nozzles fire but only once per four fires.

Can we print this resolution? Yes. Just select double ink and 150x300. The max speed is 156 m/min.

300x600 dpi at 39 m/min (128 ft/min) one nozzle row (1 or 2)

300x300 dpi at 78 m/min (256 ft/min) called 300x300 - one nozzle row (1 or 2)

300x300 dpi at 156 m/min (511 ft/min) called 300x300 - both nozzle rows (high speed)

300x150 dpi at 312 m/min (1023 ft/min) called 300x150 - both nozzle rows

We have the capability to make overlap over cartridge, and adjust offset in the software.

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