

<u>Production Printer Comparison</u>	<u>Colour Wave 650</u>	<u>Colour Wave 900</u>	<u>Vortex 4200</u>	<u>HP Pagewide</u>	<u>Kip C7800</u>	<u>Xerox IJP 2000</u>
Specifications						
Toner	Toner Pearls (Wax)	Aqueous-based dye ink	aqueous-based dye ink	Pigment-based (cyan, magenta, yellow, black)	CMYK Dry Toner	aqueous-based dye ink
Resolution/DPI	600 x 600	1600x800/1600x1600	1600x800/1600x1600	1200 x 1200 dpi	2400 x 600	1600x1600
speed	1361 ft ² hour	5380-12000 ft ² hour	4520-9168 ft ² hour	30 Ds per minute/ 75 feet min	3500 colour ft ² hour/4200 BW colour ft ² hour	6" per second / 4,520 ft ² hour
Tank Size	500 grams each	2 litres each x 5	2 or 10 litres each	2 x 775 ml per color with auto switch	1000 grams each	Five - 2 liter ink containers
Indoor/Outdoor		Indoor	indoor	Indoor and short-term outdoor	Printed Images are UV lightfast and waterproof	Indoor only water resistant aqueous ink
Mounting and Lamination	Cold Lam		Hot/Cold Lam	Can mount and laminate		Mounting and lamination available offline. Optional Fotoba FHS42 inline cutter available for full bleed finished
Controller	Océ PowerM® Plus	PowerM or Onyx	Liberty	Embedded 1 x 128 GB SSD; 1 x 500 GB HDD, self encrypted w/ AES-256; Memory: 16 GB DDR; Processor: Intel	Embedded with Windows 7/Kip Print	Caldera Grand Rip +
Colour Management	Océ Express Web tools	Onyx	Caldera Grand Rip +	Closed Looped Color with built-in color densitometer	Kip Colour Rip	Four color CMYK. Caldera color management. Spot color with Pantone/RAL/PPG libraries.
Tools	Océ Clear Connect/Océ Mobile Web Tools/Océ Account Centre			HP PartnerLink; HP Embedded Web Server, HP WebJetAdmin	Kip Printing Applications/Kip Cost Review Applications	Tiling for superwide prints. Composition and manual nesting. Native PDF
Drivers	Océ Wide Format Printer Driver for Microsoft Windows 2, Océ PostScript 3 driver	Adobe Postscript 3 / PDF printing	Caldera/Windows	HP-GL/2; PCL 3 GUI; PostScript (with PS/PDF upgrade)	KIP C7800 Certified KIP Windows Driver/KIP C7800 Certified KIP AutoCAD Driver	Optional Xerox Windows driver available
Job Submission	USB flash drive, Océ Mobile WebTools for iOS, Android and BlackBerry, Océ Publisher Mobile for iOS and Android, Océ Publisher Express, and Océ Publisher Select software.	Adobe Postscript 3 / PDF printing; Smart inbox, print and history queue on the user interface; Océ Express WebTools, browser based remote submission tool; Océ Publisher Select™, job submission tool to submit multiple files with different setting including preview & stamping		HP SmartStream	Cloud Convenience Printing	enabled via hot folders, print driver or drag and drop from RIP
Accepted file formats	TIFF 6.0, JPEG1.02, HPGL, HPGL2, C4, Calcomp 906/907/951, CALS 1, NIRS, NIFF, PS3/PDF1.7/APPE3 (optional)	Adobe Postscript 3 / PDF printing	PostScript level 3, EPS, PDF 1.8, HPGL/RTL, TIFF, JPEG, popular raster formats (BMP, PNG, etc..)	Adobe PostScript 3, Adobe 1.7; TIFF, JPEG (with PS/PDF upgrade)	Raster Color: TIFF, JPG, JPG2000, PNG, BMP, GIF, TGA, RLE/RLC Vector Color/B&W: HPGL, HPGL/2, HP-RTL, Postscript (PS/EPS), Adobe PDF, Autodesk DWF, Multipage PDF & DWF Raster B&W: TIFF Group 3 & 4, CALS Group 4, Grayscale TIFF, IBM IOCA, Intergraph CIT/TG4, Government C4 Vector B&W: Calcomp 906/907	Native PDF rendering with Adobe® APPE 2.6 TIFF 6.0, JPEG, EPS, PNG, PS, PRN, PSD, CFX, FS, PD, FPX, PCD, PCT, PICT, WMF, TGA, BMP, PCX. Optional HPGL
Operating System		XP / Vista / 7 / Server 2003 / Server 2008, Terminal Server, Citrix® MetaFrame, Mac® OS 9 / OS X (Adobe® PostScript® 3/PDF driver)	RIP: Lunix, Printer Controller: Windows 7	N/A		Linux
Rolls	2-6 rolls	6 Rolls/ 3 drawers	1 or 2 Rolls	2 standard, up to 6	3 Rolls	4 Rolls / 2 drawers. Holds up to 500 feet of media. Manual sheet feed capability
Trays	Top delivery tray 50-100 sheets	42-inch Dual Tray High Capacity Stacker folder	1 optional	N/A	High Capacity Print tray/C7800 Stacker standard	Inline stacker and optional floor catch box
Maximum Width	42"	42"	42"	40" media width	36"	42"
Maximum Length	117"	98'	total roll length	up to 650' on 3" core	130'	98'
Available Options	folder/tray/workflow software/Scanner		stacker/folder/takeup reel	online folder, integrated stacker, scan station	Colour Scanner/Folder	Xrite i1p18m 2.0 spectrophotometer Caldera Cost Proof
Media Weight	60-160 gsm		80 to 300 gsm	70 to 200 g/m2	64-150 gsm	64-190 gsm
Media Types	Paper/Film	Bond, inkjet coated paper, semi gloss, photo gloss,		Bond papers, coated papers, poster papers, polypropylene	Bond, translucent bond, film, double matte, double matte, clear film,	17-50lb bond or 76-178µm thickness
Specialty Media	Tyvek® self adhesive papers, self adhesive coated vinyls, blue back papers, polypropylene films, polyester films, light blocks films, soft banner, instant dry photo paper, backlit paper	blueback, self adhesive, film, banner materials	Continuous roll or cut sheet on plain (CAD), matt, glossy, satin, backlit, self-adhesive, PE, PP, blueback, tyvek, grayback, and other aqueous inkjet-coated media	poster papers and polypropylene	Weather proof banner film, waterproof bond, film white opaque adhesive back/6 mil, film clear adhesive back, Blue Back, bright fluorescent bond, (yellow, orange, green, blue), fusion banner media	Plain bond, Inkjet coated media - matte coated, photo satin, photo gloss, Backlit film, spotlight film, tear resistant, adhesive back, banner fabric, vinyl and blueback
Print Heads	Océ Crystal Point	5 x 70,400 nozzles per head	5 (user replaceable)	8 X HP 841 PageWide XL Printheads		5 thermal print heads (KCMYK) with 70,400 nozzles per head
Droplet Size		1.2 pL	1.2 pL	11 picoliters for the Black, 8.25 picoliters for the colors		1.3 pL
<u>Environmental Operations</u>						
Temperature	59-95° F	68-75° F	15-30C (59-86F)	41 to 104 degrees Fahrenheit	55-85° F	59-86° F
Humidity	20-80%	30-50%	20 to 80 RH	20 to 80% TH, depending on media type	20-70%	20-80%

* This information was compiled with due care. Nevertheless the ERA/IRgA does not assume any liability for accuracy, timeliness and completeness.