SOLID F40 against Printronix P8220 COMPARISON CHART with Arguments

Printer Model	SOLID F40	P8C20 Cabinet	Arguments
Picture			**Quality:** 600dpi resolution against gray line printer imagery, there is no comparison even when they make a double impact to inprove it. When it comes to graphics and barcodes, laser quality wins hands down. Datamatrix codes are produced at speed and with full decodability on the F40, no chance on the P8C20.
Manufacturer	Microplex	Printronix	
Machine Base Price in Euros	**18,400**	**17,959**	
Stacker Price	**included**	**included**	
Print Technology	LED, OPC Flash Fusing	Line Matrix - Impact	**Speed:** never mind whether it is quality text, graphics or barcodes the F40 maintains the speed of 2000 lines per miniute where as the P8C20 will drop to as low as 83lpm when printing barcodes.
Usage per Month	300,000 A4 pages		
Duty Cycle – Lifetime	18,000,000		
Resolution (DPI)	600 x 600 dpi	180 x 144 dpi	
Paper Feed	Push tractor	tractor	
Paper Width	16" (14.5 printable)	15" (13.6" printable)	
Paper Length (with Stacker)	7" - 24" (8.5" – 14")	3" – 12"	**Sound:** the F40 runs below 50dB where as the P8C20 runs at over 70dB, this means that you can work next to the F40, where as with the P8220 it must be in an other room. This is even more important when you replace three line printers with one F40, less noise and freed up office space.
Paper Weight	60 - 204gsm	56 – 163gsm	
Print Speed LPM	2,000 constant whether quality text, graphic or barcodes	1,000 (500 for quality text, 83 for a graphic or barcode at 90 x 96dpi	
Interfaces	Parallel, USB, Ethernet	USB standard, Ethernet etc optional	
Emulations	Line printer, PCL5e, IGP, IPDS (optional) + Windows driver + many more	Line printer (others like for SAP; IPDS optional)	**Install,** no problem, take out the P8C20, opimise IGP or the emulation required on the F40, plug in and print.
Barcodes	Linier and 2D standard	Linier and 2D standard	
Resident Fonts	Over 27	6	
Size in mm (w x d x h) & weight	805 x 850 x 1250 274kg	686 x 838 x 1029 109 kg	
Power	230v/50Hz max 3.0 kVA	240v	**Future proof,** introduce 2D barcodes for easy data entry, no problem, switch to SAP with PCL5e or IBM with IPDS, no problem the emulations are standard or available as an option.
Stacker Specification	3,000 pages @ 64gsm		
Additional Functionality	Form management, Status Out, SPS, remote monitor standard	remote monitor optional extra	
Cost per page A4 Landscape	0.0148 (everything) Toner only = 0.005	0.002 (ribbon only) for double density quality 0.004	