



GENERATION		2026.07
Main circuits / cooling channels / DCABs		1 to 4
Monitored jet nozzles / Micro channels		1 to 32 (8 per channel (DCAB))
Number of nozzles per micro channel		1 to 3
System pressure (from-to)		10–24 bar
Heat transfer medium		Demineralised water
Cooling capacity		30 kW (Nominal)
Max. volume flow		50 l/min
Tank capacity		250 l
Noise level at full load		< 70 dB(A)
HMI		Integrated HMI (Standard)
Fan for main cabinet (MCAB)		Max. 42 °C
MONITORING (HMI-DISPLAY)		
Language (Standard)	EN (US) / EN (UK) / DE / FR / IT / SP / PT / SE / CZ / SK / PL / RO / HU / SL / HR / GR / TR / CN / KR / JP	
Process overview display		Yes
Water (tank) temperature		Yes
Return flow temperature		Per micro channel
Flow rate		Per micro channel
Pump pressure		Yes
In-flow water pressure		Per DCAB
Compressed air pressure		Yes
Water conductivity		Yes
Tank fill level		Max. 42 °C
MONITORING (CURVE OVER TIME)		
Return flow temperature		Per micro channel
Flow rate		Per micro channel
RECORDED VALUES		
Storage medium		USB-Stick, OPC-UA
Production data		Yes
Water tank temperature		Yes
Mean water temperature per cycle		Per micro channel
Mean flow rate per cycle		Per micro channel
Extracted heat per cycle		Per micro channel
Cooling duration per cycle		Per DCAB
Temperatur / Flow rate – curves over time		Per micro channel
FEATURES		
Water change		Automatic
Inegrated demineralisation unit		Yes
Leak test		Per DCAB
Pin-break monitoring		Yes
Fault recording		Yes
Pulse operation mode		Optional
Frequency controlled pump		Yes
Stand-by mode for energy saving		Yes
Recipe management		Yes
Automatic / Manual mode switch		Yes
Heat exchanger can be switched on and off		Yes
Pressure drop monitored filter		Yes
Tolerance setting (Per micro channel)		Flow, return temperature, extracted heat

KEY COMPONENTS	
CPU	Siemens
HMI	Siemens 10"
Main pump type	Centrifugal pump, stainless steel, (50 l/min at 24 bar)
By-pass-pump	Immersion pump, stainless steel, (10 l/min at 4 bar)
Flow meters	Vortex (0.5–10 l/min)
Heat-exchanger	Stainless steel
Water tank	Stainless steel
Water conductivity sensor	0.05–1000 µS
Internal field bus technology	I/O-Link
Protection class (MCAB)	IP54
Protection class (DCAB)	IP65
ENVIRONMENTAL CONDITIONS	
Temperature	5–42 °C
Relative air humidity	0–90 % (Not condensing)
Pressurized air	5–6 bar at 3500 l/min
DIMENSIONS [WIDTH X HIGHT X DEPTH] / WEIGHT	
Dimension FX JET MODEL 4	800 x 1780 x 1300 mm
Weight FX JET MODEL 4	570 kg
Dimension DCAB	600 x 260 x 250 mm
Weight DCAB	20 kg
VOLTAGE / CERTIFICATION	
Voltage, max. power consumption (Standard)	3x 400V ± 10 % / 50hz ± 1 %, 8 kW
Voltage, max. power consumption (Optional)	3x 480V ± 10 % / 60hz ± 0,5 %, 10 kW
Max. current	32 A
Certification	CE (Standard) / UL (Optional)
CONNECTORS / FITTINGS	
Compressed air	1/2"
Cooling water	3/4"
DCAB – MCAB (Water)	1/2"
DCAB – MCAB (Pressurized air)	1/2"
Tank – Water drain	1/2"
Tank – Water supply	1/2"
OPTIONS	
DCAB with 8 monitored micro channels	Optional
DCAB without micro channel monitoring	Optional
DCAB MANIDRIVE with flow rate and pressure monitoring	Optional
DCAB MANIDRIVE without monitoring	Optional
Profinet interface to DCM	Optional
Profibus interface to DCM	Optional
Anybus	Optional
Advanced communication	Optional
HMI remote panel	Optional
Type of HMI Wein View	10" (Optional) 20" (Optional)
Indicator light tower deported	Optional
Remote assistance EWON	Optional
Compressed air regulator	Optional
Air conditioner	Optional
Maintenance set	Optional