



SAIVER

CHILLED WATER FAN COIL UNIT

SFC

EC Series



SF-EC
3 Row Coil Series



MODEL			SFC03	SFC04	SFC06	SFC08	SFC10	SFC12	
Nominal Cooling Capacity			BTU/HR	9,000	13,100	15,600	22,200	24,200	35,400
			W	2,630	3,820	4,560	6,480	7,070	10,340
Nominal Sensible Cooling Capacity			BTU/HR	7,100	10,200	12,300	17,500	19,100	28,200
			W	2,060	2,980	3,580	5,100	5,580	8,240
Power Supply			V/Ph/Hz	220 ~240V / 1Phz / 50/60Hz					
Motor Type				3 Speed brushless EC motor**					
External Static Pressure			Pa	60					
External Static Pressure (with plenum box)			Pa	30					
Nominal Air Flow			L/s (CFM)	137 (290)	198 (420)	241 (510)	354 (750)	378 (800)	590 (1250)
Fan Coil Water Volume / Mass			cm³	795	1179	1439	1763	2066	2437
Condensate Drain Size			mm (in)	12.7 (1/2")					
Nominal Water Flow Rate			USGPM	2.1	2.9	3.5	4.9	5.4	7.8
			LITRES/M	8	11	13	19	20	29
Head Loss			kpa	21	18	14	18	16	27
Max Working Pressure			kpa (psi)	1600 (230)					
Connection (Thread Type)			inch (mm)	3/4" (NPT) 19.0					
Unit Weight			kg (lb)	17 (37.5)	22 (48.5)	26 (57.3)	30 (66.1)	37 (81.6)	43 (94.8)
Casing	Outline Dimension	Length	mm	805	1051	1224	1470	1642	1889
		Depth	mm	458 (without plenum) / 488 (with plenum and filter)					
		Height	mm	270					
	Material			GI					
	External Finishing			Bare GI					
	Insulation			PE / 5mm					
Fan	Qty			1	1	2	2	3	4
	Material			GALVANIZED STEEL					
	Diameter		mm	160					
	Length		mm	200					
	Drive			Direct					
Fan Motor	Qty			1	1	1	1	2	2
	Index of Protection (IP) / Poles			IP 20 / 8					
	Insulation Grade			B					
	Rated Running Current		A	0.64	0.74	0.84	0.87	1.58	1.71
Coil	Tube	Material		Copper (Cu)					
		Diameter	mm	9.52					
		Thickness	mm	0.3					
	Fin	Material		Aluminum (Al)					
		Thickness	mm	0.11					
		Face Area	m² (ft²)	0.095 (1.02)	0.145 (1.56)	0.18 (1.94)	0.23 (2.48)	0.265 (2.85)	0.315 (3.39)
		Row		3					
		Fin per inch	FPI	12					
Filtration	Type			Washable Aluminium Frame Filter / G2					
	Quantity		pc	1	2	2	3	3	4
	Dimension (L x W x t)		mm	488x243x12	488x233x12x1 246x233x12x1	488x233x12x1 418x233x12x1	488x233x12x1 418x233x12x1 246x233x12x1	488x233x12x1 418x233x12x2	488x233x12x1 418x233x12x2 246x233x12x1

Notes:

- All specifications are subjected to change by the manufacturer without prior notice.
- Nominal cooling capacity are based on the below conditions:
 - Entering air temperature 27 °C (80.6 °F) DB and 19 °C (66.2 °F) WB.
 - Entering outdoor temperature 7 °C (44.6 °F).
 - Leaving water temperature 12 °C (53.6 °F).
- Air flow value is referred to high speed motor connection & measured with air outlet plenum box.
- Air flow on medium and low speed motor connection are 80% and 60% of high speed.
- **Optional stepless EC motor is available upon request.
- The dimensions stated in table is actual dimension of Fan Coil Unit before packaging.