

Fan Coil Units



Never
Seen
Never
Heard

LOW NOISE. LOW HEIGHT.
FAN COIL UNITS FROM BLUE STAR.

Apart from being reliable and trouble-free, the unique low noise feature in the Blue Star Fan Coil Unit makes it the quietest in its category. Its low height of just 266 mm makes it compact and perfect for even low ceiling heights.

Stringent tests carried out on the new generation FCUs prove them beyond doubt to be superior to any other FCU made in India, and as good or better than imported brands.

Results of these tests, on various parameters such as capacity, air quantity, and noise levels, have been certified by an independent accredited agency, Vipac Engineers & Scientists Ltd., Australia.



FCU without valves



Apart from Low Noise and Low Height, Blue Star Fan Coil Units also have the following unique features.

Stainless Steel Drain Pan

The high quality stainless steel (SS304) drain pan, supported by GI powder coated cover, is corrosion resistant and rust proof.

Interchangeable Filters on the RA Plenum

The position of the air filter on the return air plenum can be interchanged to collect return air from either the rear or from the bottom of the unit.

Auxiliary Drain Pan

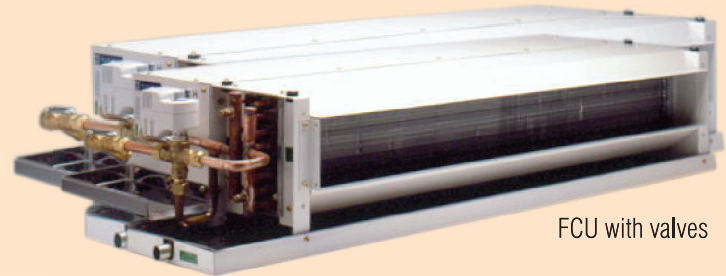
The auxiliary drain pan, made from stainless steel (SS304), collects condensate from control valves and isolation valves.

No Weld Joints

The units are less prone to corrosion and hence are more durable due to the absence of weld joints.

Permanent Split Capacitor Motors

The split capacitor motors are highly energy efficient. They are also kept permanently lubricated making them maintenance free.



FCU with valves

Detachable Fan Panel

The fan panel that can easily be detached by loosening the wing nuts, ensures that the fan motor and coil can easily be serviced.

Salt Spray Tested GI Powder Coated Panels

The powder coated GI panels, rigorously tested for over a 1000 hours, ensure that the units are rust proof and maintenance free, besides being aesthetically appealing.

Control Valve, Thermostat & Isolation Valves

The FCU is fitted with 3 way control valve (Siemens make), thermostat with Heating/Cooling and 3 speed switch for the motor (supplied loose for fixing at site at a convenient location). The spring return type control valve bypasses the chilled water when the unit is not in operation to avoid condensation. Isolation ball valves are provided at both inlet and outlet, with a strainer at the inlet. These valves are interconnected with copper piping at the factory to enable ease of connection in the field.



Technical Specifications

Model			FCU - 4 C / FCU - 4	FCU - 6 C / FCU - 6	FCU - 8 C / FCU - 8	FCU - 10 C / FCU - 10	FCU - 12 C / FCU - 12	FCU - 14 C / FCU - 14
Nominal Cooling Capacity		KCal/hr	3000	4500	6000	7500	9000	10500
		Tons	1.0 TR	1.5 TR	2.0 TR	2.5 TR	3.0 TR	3.5 TR
Power Supply		V/Ph/Hz	230/1/50					
Dimensions	Height	mm	266	266	266	266	266	266
	Width	mm	1110	1110	1400	1600	1790	2000
	Depth	mm	513	513	513	513	513	513
Fan	Type		Centrifugal Forward Curve, DIDW					
	Qty	Nos	2	2	2	3	4	4
Motor	Power	HP	1/12	1/12	1/10	1/10 & 1/12	1/10	1/10
	Speed	Rpm	920	920	1050	1050 & 920	1050	1050
	Qty	Nos	1	1	1	2	2	2
Coil	Tube Material		Inner Grooved Copper Tube					
	Tube O.D.	mm	9.5					
	Fin Material		Aluminium					
	Rows Deep	Nos	3					
	Fins/cm		4					
	Face Area	Sq.M.	0.14	0.17	0.23	0.27	0.31	0.35
Condensate Drainage	O.D.	mm	20					
Air Filter			Woven high density polyethylene, washable					
Piping	Inlet	mm	20	20	25	25	25	25
	Outlet	mm	20	20	25	25	25	25
Control Valve*	Make		Siemens					
	Type		3 way spring return type					
Thermostat*			Heating/Cooling with 3 speed regulating switch					
Ball Valve*	Size	mm	20	20	20	25	25	25
Operating Weight		kg	35	37	44	48	66	69

* Fitted as a standard component only in 'C' Series.

** Specifications and dimensions are subject to change without prior notice.



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