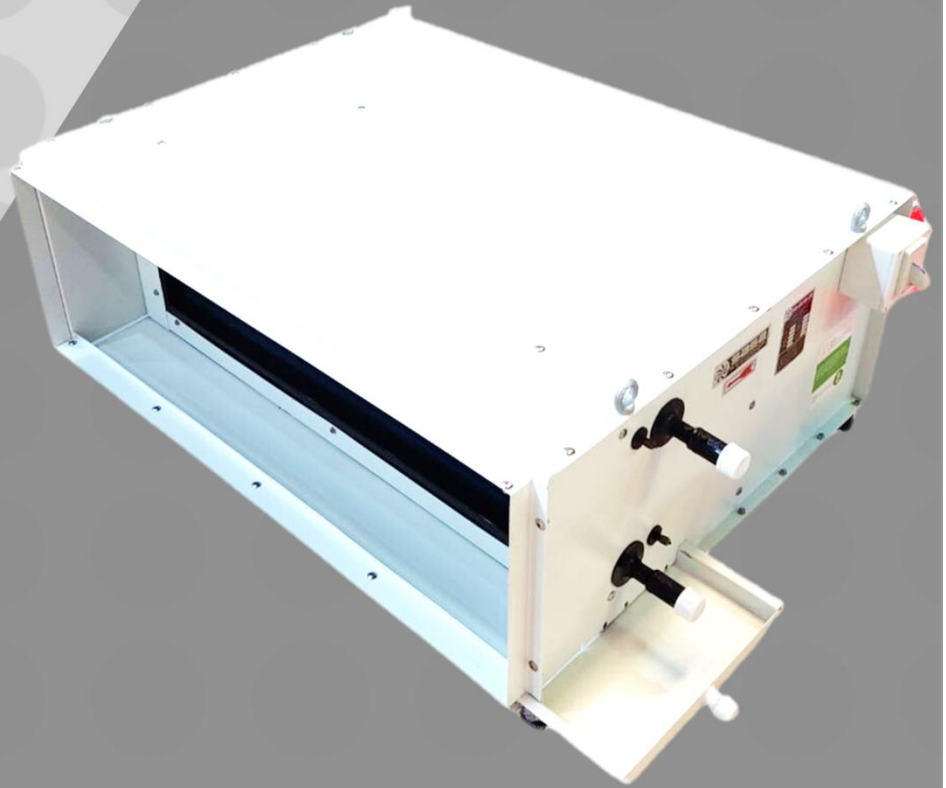




FAN COIL UNIT

APPROACH TOWARDS A BETTER PERFORMANCES

MODULAR AND COMPACT DESIGN
STANDARD RANGE 2 TON TO 8 TON



FAN COIL UNITS

THE SASA SCU SERIES HORIZONTAL HIGH PERFORMANCE FAN COIL UNITS ARE DESIGNED TO MAXIMIZE FLEXIBILITY OF SELECTION AND INSTALLATION. THE UNITS ARE ALSO DESIGNED TO EXCEED THE STRINGENT QUALITY STANDARDS OF THE INSTITUTIONAL MARKET, WHILE REMAINING COST COMPETITIVE IN THE LIGHT COMMERCIAL SEGMENT OF THE MARKET. SASA FAN COIL UNITS SET THE NEW STANDARDS FOR QUALITY, FLEXIBILITY, AND COMPETITIVE PRICING.

CONSTRUCTION

SINGLE SKIN : GREAT APPEARANCE. SOLID CONSTRUCTION CASING IS MADE OF HIGH QUALITY, HEAVY DUTY PRE-COATED / GALVANIZED STEEL SHEET. THE CHILLED/ HOT CHILLED WATER HEAT EXCHANGERS ARE MADE OF SEAMLESS COPPER TUBES MECHANICALLY EXPANDED INTO ALUMINUM FINNS. THE TUBES ARE MADE OF HIGH QUALITY COPPER. STANDARD UNITS COME WITH 3/8" DIA PLAIN COPPER TUBE. OPTIONS ARE AVAILABLE WITH 1/2" COPPER TUBE DIA AS WELL. THE FINNS ARE MADE OF FINEST ALUMINUM QUALITY. OPTIONS ARE AVAILABLE TO CHOOSE FROM PLAIN OR HYDROPHILIC. ALL COILS ARE DULY PRESSURE TESTED AT 21 KG/CM2 UNDER CHILLED WATER. STANDARD UNITS HAVE COILS OF 4 ROWS DEEP WITH FIN SPACING OF 4-5 FINNS/CM. HEATING COIL CONFIGURATION ALSO AVAILABLE AS AN OPTION.

CASING

TOP COVER, BASE, SIDE PANEL & BACK COVER MATERIAL: GALVANIZED STEEL THICKNESS: 0.8 MM AND PLENUM BOX INSULATION: 6 MM CLOSED CELL FOAM.

DRAIN TRAY

THE OUTER PAN IS FABRICATED FROM 22 GAUGE PRE-COATED GALVANIZED STEEL SHEET.

COOLING COIL

FOR EACH UNIT SIZE THERE ARE 3 AND 4 ROW COILS AVAILABLE. ALL COILS CONSIST OF 3/8" EXTERNAL DIAMETER COPPER PIPES MECHANICALLY BONDED TO THE ALUMINUM FIN PACKS. COILS HAVE COPPER HEADERS AND BRASS SOLDERING CONNECTIONS.

FAN DECK

THE FAN DECK HAS A 3 SPEED MOTOR AND 2 OR MULTIPLE CENTRIFUGAL, GALVANIZED STEEL, THE MOTOR AND FANS ARE MOUNTED ON A RIGID, 1.5MMTHICK, GALVANIZED STEEL BASE. ALL MOTORS HAVE PERMANENTLY CONNECTED CAPACITOR AND THERMAL PROTECTION OF THE WINDINGS WITH MANUAL RECHARGE. POWER SUPPLY IS SINGLE PHASE 50 HZ, 230 V ±10%. EACH FAN ASSEMBLY IS STATICALLY AND DYNAMICALLY BALANCED, TO MINIMIZE NOISE AND COMPONENT WEAR. DEPENDING ON THE SIZE OF THE UNIT, THE FAN-DECKS COMPOSE OF ONE OR TWO OR MULTIPLE DIRECT DRIVE FANS WITH DIDW FORWARD CURVED CENTRIFUGAL IMPELLERS.

FILTER & FILTER SECTION

THE AIR FILTER IS CONSTRUCTED FROM A WASHABLE POLYESTER ACRYLIC FABRIC OR NYLON, FILTRATION

ELECTRICAL PANEL

ALL MODELS ARE PROVIDED WITH A TERMINAL BOARD WITH SCREW TERMINALS CONTAINED IN AN ABS PLASTIC BOX.

FAN COIL UNIT STANDARD SELECTION DATA

Fan Coil Units Design Details (Standard)

S #	Model #	Fan Dia	Air flow	Cooling Capacity	ESP	Motor	Power	SASA Unit Size (Wx Dx H)
		mm	CFM	Ton	Inch WG	RPM	Watt	Inches
1	SDT-24	180	800	2	0.5	1450	300	40" x 34" x 15"
2	SDT-48	200	1600	4	0.5	1350	700	52" x 38" x 18"
3	SDT-72	250	2400	6	0.5	1380	1400	60" x60" x24"
4	SDT-96	250	3200	8	0.5	1350	1800	72" x60" x24"

Note: Unit Sizes could be change by SASA without any notices and intimation.