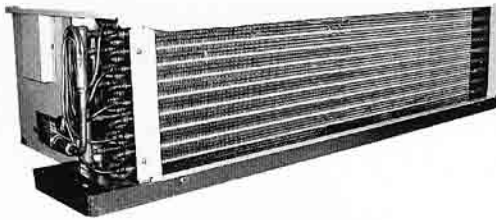
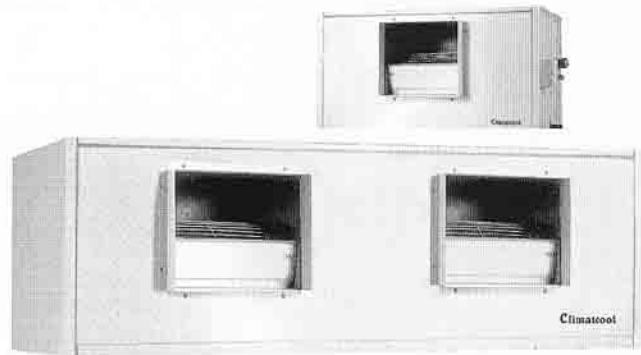


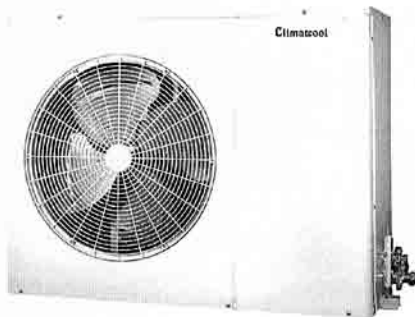
CENTRAL SPLIT AIR CONDITIONERS



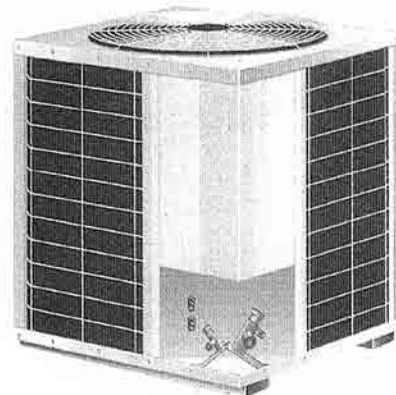
FHD
DX FAN COIL UNIT



SPA
DX AIR HANDLING UNIT



SPC
**SIDE DISCHARGE
CONDENSING UNIT**



SPCT
**TOP DISCHARGE
CONDENSING UNIT**

FHD - Low - Medium Static DX Fan Coil Unit
Capacity - CFM (400 - 2000)

SPC - Side Discharge Condensing Unit
Capacity - BTU/HR (12,000 - 72,000)

SPA - Medium - High Static DX Air Handling Unit
Capacity - CFM (800 - 4000)

SPCT - Top Discharge Condensing Unit
Capacity - BTU/HR (12,000 - 72,000)

FAN COIL UNIT

- CABINET:** Model FHD design suitable for horizontal concealed ceiling. Also available as option with plenum and aluminum filter and powder painting.
- COILS:** Standard 3 row cooling coils ensuring high dehumidification.
- MOTOR:** Motor is fitted with life - lubricated bearing and TAP winding giving 3 speeds. It is a permanent split capacitor type.
- BLOWERS:** Centrifugal blower direct driven double inlet statically and dynamically balanced with the motor.
- DRAIN PAN:** Galvanized and double insulated inner and outer fans.

AIR HANDLING UNIT

- CABINET:** Model SPA powder coat painted. Only 18" high, ideally suited for concealed ceiling.
- MOTOR:** Inherently protected direct driven motors are mounted inside of the insulated cabinet to reduce motor noise.
- EXPANSION DEVICE:** Flow control single circuit upto 5 ton and dual circuit for 7 ½ and 10 ton.
- EVAPORATOR COIL:** Coils are constructed of grooved copper tubes with aluminum fins mechanically bonded to the tubes for maximum heat transfer.
- FILTERS:** One inch thick aluminum permanent washable filters are standard.

CONDENSING UNIT

- CABINET:** Cabinet is constructed of powder painted galvanized steel.
- COMPRESSOR:** Hermetically sealed with internal high temperature motor overload protection. It is internally spring mounted and externally mounted on rubber grommet to reduce vibration and noise.
- CONDENSER COIL:** Copper tube and plate aluminum fins are used on all models.
- SHUT OFF VALVE:** Liquid and suction service valves are standard on all models
- FILTER DRIER:** High quality Liquid line drier provided on the unit.
- L. P. SWITCH:** All models 2 ½ Ton and above are provided with L.P. Switch to avoid compressor failure on refrigerant leakage.

PERFORMANCE & SPECIFICATION AIR HANDLING UNIT WITH SIDE DISCHARGE CONDENSING UNIT. MODEL - SPA / SPC

AIR HANDLING UNIT	MODEL	SPA24C			SPA30C			SPA36C			SPA42C			SPA48C			SPA60C			SPA90C			SPA120C		
		75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	75	80	85
AIR FLOW	CFM	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72
	ENTERING AIR TEMP IN (°F)	22.8	24.6	27.1	26.4	29.1	32.1	33.8	36.5	39.8	39.1	42.1	45.1	42.4	46.4	50.4	48	52.2	55.6	57.2	61.9	65.3	84.8	92.8	100.8
COOLING CAPACITY	95°F AMB	17.9	18.8	20.1	21.5	22.4	23.1	28.8	30.7	32	32.8	35	37.1	32.9	36.4	37.9	37.6	40.5	41.4	47.5	50.6	51.8	75.8	75.8	81
	115°F AMB	18.5	20.2	22.1	23.6	25.8	27.9	28.8	32.1	34.2	34.2	38	39.2	37.7	41.6	43.2	41.4	46.2	47.5	49.6	54.7	56.6	82.8	82.8	95
DX - COIL DATA	SMBH	15.2	16.2	17.1	18.8	20.1	21.2	25.3	24.6	28.3	26.1	28.5	32.1	30	32.2	34	33.7	36	38.7	40.3	43.6	45.5	60	64.4	68
	AREA IN SQ. FT.	2.44			3.28			3.28			3.28			3.28			3.28			3.28			5.55		6.40
BLOWER DATA	NO OF ROWS	3			3			3			3			4			4			4			4		4
	FINS PER INCH	12			13			13			13			13			13			13			13		13
FAN	NOS.	2			1			1			1			1			1			1			2		2
	SIZE	7" x 9"			9" x 9"			9" x 9"			9" x 9"			10" x 10"			10" x 10"			10" x 10"			10" x 10"		10" x 10"
MOTOR	NOS.	1			1			1			1			1			1			1			2		2
	HP	1 / 10			1 / 3			1 / 3			1 / 3			1 / 3			1 / 2			1 / 2			1 / 2		1 / 2
CONNECTION SIZE (INCH)	SUCTION	5 / 8			3 / 4			3 / 4			3 / 4			3 / 4			3 / 4			3 / 4			2 x 3 / 4		2 x 3 / 4
	LIQUID	3 / 8			3 / 8			3 / 8			3 / 8			1 / 2			1 / 2			1 / 2			2 x 1 / 2		2 x 1 / 2
DIMENSION (IN MM)	HEIGHT	330			466			466			466			466			466			466			466		466
	DEPTH	545			665			665			665			665			665			665			665		665
WEIGHT (KG)	WIDTH	882			882			882			926			926			926			926			1498		1676
		46			53			53			57			57			58			58			90		95
CONDENSING UNIT	MODEL	SPC24C			SPC30C			SPC36C			SPC42C			SPC48C			SPC60C			SPC72C			2XSPC48C		2XSPC60C
	RLA	10.3			13.6			16.6			5.8			6.6			8.8			8.9			2 x 6.6		2 x 8.8
COMPRESSOR	LRA	60			104			104			50			55			65			75			2 x 55		2 x 65
	SUCTION	5 / 8			3 / 4			3 / 4			3 / 4			3 \ 4			3 / 4			3 / 4			2 x 3 / 4		2 x 3 / 4
CONNECTION SIZE	LIQUID	3 / 8			3 / 8			3 / 8			3 / 8			1 \ 2			1 / 2			1 / 2			2 x 1 / 2		2 x 1 / 2
	HEIGHT	620			695			695			695			795			830			830			795		830
DIMENSION (IN MM)	DEPTH	350			440			440			440			440			460			460			440		460
	WIDTH	864			1050			1050			1050			1050			1080			1080			1050		1080
WEIGHT (KG)		58			82			82			90			135			155			156			2 x 135		2 x 155

All SPA are 220V / 1 Ph / 50
SPC 24, 30, 36, are 220V / 1 Ph / 50 - SPC 42, 48, 60, 72 - 380 / 440V / 3 Ph / 50 HZ

PERFORMANCE & SPECIFICATION

AIR HANDLING UNIT WITH TOP DISCHARGE CONDENSING UNIT. MODEL - SPA / SPCT

AIR HANDLING UNIT	MODEL	SPA24C			SPA30C			SPA36C			SPA42C			SPA48C			SPA60C			SPA60C			SPA90C			SPA120C		
		800			1000			1200			1400			1600			2000			2000			3000			4000		
AIR FLOW	CFM	75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	75	80	85
		62	67	72	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72
ENTERING AIR TEMP IN (°F)	DB	22.8	24.6	27.1	26.4	29.1	32.1	33.8	36.5	39.8	39.1	42.1	45.1	42.4	46.4	50.4	48	52.2	55.6	57.2	61.9	65.3	84.8	92.8	100.8	96	104.4	111.2
		17.9	18.8	20.1	21.5	22.4	23.1	28.8	30.7	32	32.8	35	37.1	32.9	36.4	37.9	37.6	40.5	41.4	47.5	50.6	51.8	65.8	72.8	75.8	75.2	81	82.8
COOLING CAPACITY	AMB	18.5	20.2	22.1	23.6	25.8	27.9	28.8	32.1	34.2	34.2	38	39.2	37.7	41.6	43.2	41.4	46.2	47.5	49.6	54.7	56.6	75.4	83.2	86.4	82.8	92.4	95
		15.2	16.2	17.1	18.8	20.1	21.2	25.3	24.6	28.3	26.1	28.5	32.1	30	32.2	34	33.7	36	38.7	40.3	43.6	45.5	60	64.4	68	67.4	72	77.4
SMBH	AMB	2.44			2.83			2.83			3.28			3.28			3.28			3.28			5.55			6.40		
		3			3			3			3			4			4			4			4			4		
NO OF ROWS	FINS PER INCH	12			13			13			13			13			13			13			13			13		
		2			1			1			1			1			1			1			2			2		
FAN	SIZE	7" x 9"			9" x 9"			9" x 9"			9" x 9"			10" x 10"			10" x 10"			10" x 10"			10" x 10"			10" x 10"		
		1			1			1			1			1			1			1			2			2		
MOTOR	HP	1/5			1/3			1/3			1/3			1/3			1/2			1/2			1/3			1/2		
		5/8			3/4			3/4			3/4			3/4			3/4			3/4			2 x 3/4			2 x 3/4		
CONNECTION SIZE (INCH)	LIQUID	3/8			3/8			3/8			3/8			1/2			1/2			1/2			2 x 1/2			2 x 1/2		
		330			466			466			466			466			466			466			466			466		
DIMENSION (IN MM)	DEPTH	545			665			665			665			665			665			665			665			665		
		882			882			882			882			986			986			986			1498			1676		
WEIGHT (KG)		46			53			53			57			57			58			58			90			95		
CONDENSING UNIT	MODEL	SPCT24C			SPCT30C			SPCT36C			SPCT42C			SPCT48C			SPCT60C			SPCT72C			2XSPCT48C			2XSPCT60C		
		RLA			13.6			16.6			5.8			6.6			8.8			8.9			2 x 6.6			2 x 8.8		
COMPRESSOR	LRA	60			104			104			50			55			65			75			2 x 55			2 x 65		
		5/8			3/4			3/4			3/4			3/4			3/4			3/4			2 x 3/4			2 x 3/4		
CONNECTION SIZE	LIQUID	3/8			3/8			3/8			3/8			1/2			1/2			1/2			2 x 1/2			2 x 1/2		
		615			700			700			700			700			700			700			700			700		
DIMENSION (IN MM)	DEPTH	570			600			600			600			650			650			650			650			650		
		570			600			600			600			650			650			650			650			650		
WEIGHT (KG)		58			80			82			90			135			155			156			2 x 135			2 x 155		

All SPA are 220V / IPh / 50
 SPCT 24, 30, 36, are 220V / IPh / 50 - SPCT 42, 48, 60, 72 - 380 / 440V / 3 Ph / 50 HZ

PERFORMANCE & SPECIFICATION

FAN COIL UNIT WITH SIDE DISCHARGE CONDENSING UNIT - FHD / SPC

FAN COIL UNIT	MODEL	FHD04			FHD06			FHD08			FHD10			FHD12			FHD14			FHD16			FHD18			FHD20		
		75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	75	80	85
AIR FLOW	CFM	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72
	ENTERING AIR TEMP IN (°F)	11.6	12.2	13.5	15.4	19.1	23.2	20.5	25.2	33.4	25.2	31	40.9	30	37.2	49.1	35.1	43.3	51	40.3	49.8	65.5	45	52.2	57.2	49.8	61.8	81.2
COOLING CAPACITY	95°F	10.4	10.8	11.5	15	13.2	12.9	20.1	17.7	18.6	24.9	22.6	24.6	29.7	26.3	25.4	34.5	31.7	29.6	39.6	34.8	31.4	44.7	41.2	37.1	49.5	43.7	46.2
	115°F	10	11.6	12	13.4	16.3	21.2	17.6	21.6	27.6	21.8	24.6	31.8	24.4	32.6	37.2	29.6	36.2	46.3	33.2	41.2	53.2	39	46.2	39.2	42	54.6	64.6
AMB	SMBH	9.4	10.2	10.8	11.5	12.8	13.5	15.2	16.2	18.2	19.2	20.8	22.4	23.2	25.2	28.4	28.2	29.1	33.4	32.4	38.2	45.6	37.8	41.4	32.1	40.2	49.2	52.4
	AREA IN SQ. FT.	1.4			1.56			2.04			2.43			2.92			3.4			3.89			3.5			3.5		
DX - COIL DATA	NO OF ROWS	3			3			3			3			3			3			3			3			3		
	FINS PER INCH	12			12			12			12			12			12			12			12			12		
FAN	NOS.	2			2			2			2			2			2			2			2			2		
	SIZE	6 x 8			6 x 9			6 x 9			6.5 x 9			6.5 x 9			7 x 7			7 x 7			8 x 8			8 x 8		
MOTOR	NOS.	1			1			1			1			1			1			1			1			1		
	HP	1/15			1/15			1/10			1/6			1/6			1/4			1/4			1/2			1/2		
CONNECTION	SUCTION	5/8			5/8			5/8			3/4			3/4			3/4			3/4			3/4			3/4		
	LIQUID	3/8			3/8			3/8			3/8			3/8			3/8			3/8			3/8			3/8		
DIMENSION (IN MM)	HEIGHT	240			290			290			290			290			340			340			390			390		
	DEPTH	492			492			492			492			492			530			530			590			590		
WEIGHT (KG)	WIDTH	766			919			1072			1072			1072			1072			1072			1180			1180		
		18			20			22			25			26			35			37			45			48		
CONDENSING UNIT	MODEL	SPC12C			SPC18C			SPC24C			SPC30C			SPC36C			SPC42C			SPC48C			SPC60C			SPC72C		
	RLA	6			8.5			10.3			13.6			16.6			5.8			6.6			8.8			8.9		
COMPRESSOR	LRA	36			47			60			72			104			50			55			65			75		
	SUCTION	1/2			5/8			5/8			3/4			3/4			3/4			3/4			3/4			3/4		
CONNECTION SIZE	LIQUID	1/4			3/8			3/8			3/8			3/8			3/8			1/2			1/2			1/2		
	HEIGHT	620			620			620			695			695			695			795			830			830		
DIMENSION (IN MM)	DEPTH	350			350			350			440			440			440			440			460			460		
	WIDTH	864			864			864			1050			1050			1050			1050			1080			1080		
WEIGHT (KG)		40			56			58			80			82			90			135			155			156		

All FHD are 220V / 1 Ph / 50 HZ

All SPC 12, 18, 24, 30, 36, are 220V / 1 Ph / 50 and SPC 42, 48, 60, 72 are 380 / 440V / 3 Ph / 50 HZ

PERFORMANCE & SPECIFICATION

FAN COIL UNIT WITH TOP DISCHARGE CONDENSING UNIT - FHD / SPCT

FAN COIL UNIT	MODEL	FHD04			FHD06			FHD08			FHD10			FHD12			FHD14			FHD16			FHD18			FHD20		
		400			600			800			1000			1200			1400			1600			1800			2000		
AIR FLOW	ENTERING AIR TEMP IN (°F)	75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	75	80	85
	WB	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72	62	67	72
COOLING CAPACITY	95 °F AMB	11.6	12.2	13.5	15.4	19.1	23.2	20.5	25.2	33.4	25.2	31	40.9	30	37.2	49.1	35.1	43.3	51	40.3	49.8	65.5	45	52.2	57.2	49.8	61.8	81.2
	SMBH	10.4	10.8	11.5	15	13.2	12.9	20.1	17.7	18.6	24.9	22.6	24.6	29.7	26.3	25.4	34.5	31.7	29.6	39.6	34.8	31.4	44.7	41.2	37.1	49.5	43.7	46.2
	115 °F AMB	10	11.6	12	13.4	16.3	21.2	17.6	21.6	27.6	21.8	24.6	31.8	24.4	32.6	37.2	29.6	36.2	46.3	33.2	41.2	53.2	39	46.2	39.2	42	54.6	64.6
	SMBH	9.4	10.2	10.8	11.5	12.8	13.5	15.2	16.2	18.2	19.2	20.8	22.4	23.2	25.2	28.4	28.2	29.1	33.4	32.4	38.2	45.6	37.8	41.4	32.1	40.2	49.2	52.4
DX - COIL DATA	AREA IN SQ. FT.	1.33			1.67			2			2.5			2.5			3			3			3.5			3.5		
	NO OF ROWS	3			3			3			3			3			3			3			3			4		
	FINS PER INCH	12			12			12			12			12			12			12			12			12		
BLOWER DATA	FAN	2			2			2			2			2			2			2			2			2		
	SIZE	6 x 8			6 x 9			6 x 9			6.5 x 9			6.5 x 9			7 x 7			7 x 7			8 x 8			8 x 8		
	NOS.	1			2			2			2			2			2			2			2			2		
	MOTOR	1 / 15			1 / 15			1 / 10			1 / 6			1 / 6			1 / 4			1 / 4			1 / 2			1 / 2		
CONNECTION SIZE (INCH)	SUCTION	5 / 8			5 / 8			5 / 8			3 / 4			3 / 4			3 / 4			3 / 4			3 / 4			3 / 4		
	LIQUID	3 / 8			3 / 8			3 / 8			3 / 8			3 / 8			3 / 8			1 / 2			1 / 2			1 / 2		
	HEIGHT	240			290			290			290			290			340			340			390			390		
DIMENSION (IN MM)	DEPTH	492			492			492			492			492			530			530			590			590		
	WIDTH	766			919			1072			1072			1072			1072			1072			1180			1180		
WEIGHT (KG)		18			20			22			25			26			35			37			45			48		
CONDENSING UNIT	MODEL	SPCT12C			SPCT18C			SPCT24C			SPCT30C			SPCT36C			SPCT42C			SPCT48C			SPCT60C			SPCT72C		
	RLA	6			8.5			10.3			13.6			16.6			5.8			6.6			8.8			8.9		
COMPRESSOR	LRA	36			47			60			104			104			50			55			65			75		
	SUCTION	1 / 2			5 / 8			5 / 8			3 / 4			3 / 4			3 / 4			3 / 4			3 / 4			3 / 4		
CONNECTION SIZE (INCHES)	LIQUID	1 / 4			3 / 8			3 / 8			3 / 8			3 / 8			3 / 8			1 / 2			1 / 2			1 / 2		
	HEIGHT	565			615			615			700			700			700			700			700			700		
DIMENSION (IN MM)	DEPTH	570			570			570			600			600			600			650			650			650		
	WIDTH	570			570			570			600			600			600			650			650			650		
WEIGHT (KG)		40			56			58			80			82			90			135			155			156		

All FHD are 220V / 1 Ph / 50 HZ

ALL SPCT 12, 18, 24, 30, 36, are 220V / 1 Ph / 50 and SPCT 42, 48, 60, 72 are 380 / 440V / 3 Ph / 50 HZ

FAN PERFORMANCE - CFM - AIR HANDLING UNIT

MODEL SPA	MOTOR SPEED	EXTERNAL STATIC PRESSURE IN WG					MINIMUM AIR FLOW cfm	MAXIMUM AIR FLOW cfm
		0.1	0.2	0.3	0.4	0.5		
24	Hi	880	820	770	700	-	680	880
	Med	790	760	710	680	-		
	Lo	680	650	630	610	-		
36	Hi	1330	1250	1200	1130	1050	1030	1330
	Med	1180	1110	1070	1000	940		
	Lo	1030	970	935	880	820		
48	Hi	1880	1760	1650	1590	1490	1460	1880
	Med	1670	1570	1470	1410	1330		
	Lo	1460	1370	1290	1230	1160		
60	Hi	2100	1900	1660	1590	1500	1560	2100
	Med	1960	1870	1480	1410	1330		
	Lo	1560	1460	1290	1230	1170		
90	Hi	3210	2920	2790	2670	2480	2500	3210
	Med	2860	2600	2480	2370	2200		
	Lo	2500	2280	2175	2070	1930		
120	Hi	3650	3490	3330	3100	2830	2840	3650
	Med	3250	3100	2970	2750	2520		
	Lo	2840	2720	2590	2410	2200		

BLOWER PERFORMANCE - CFM - FAN COIL UNIT

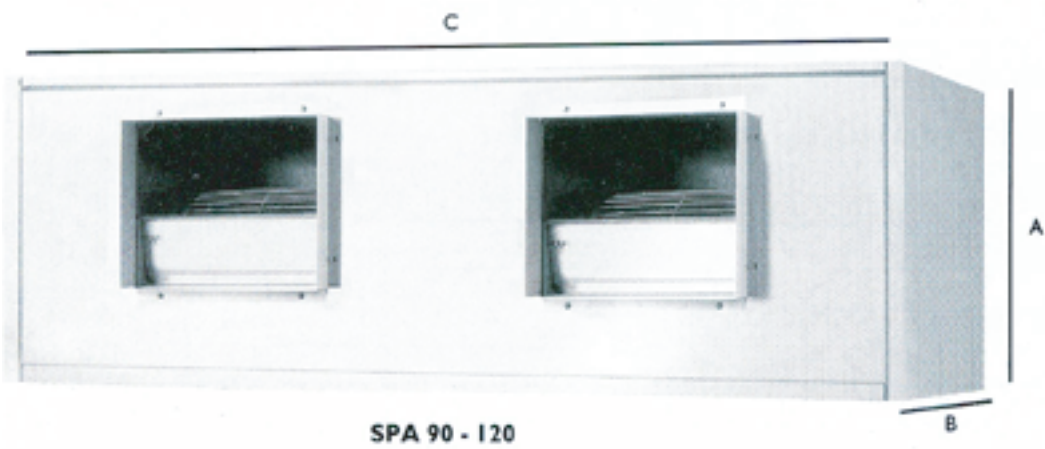
MODEL FDH	FAN SPEED	EXTERNAL STATIC PRESSURE IN WG					MINIMUM AIR FLOW cfm	MAXIMUM AIR FLOW cfm
		0.10	0.20	0.30	0.40	0.50		
04	Hi	540	370	-	-	-	460	540
	Med	500	350	-	-	-		
	Lo	460	320	-	-	-		
06	Hi	599	599	567	560	554	378	599
	Med	472	460	449	441	407		
	Lo	378	365	-	-	-		
08	Hi	797	789	773	734	682	578	797
	Med	647	610	593	555	521		
	Lo	578	545	503	472	-		
10	Hi	1034	968	925	867	799	927	1034
	Med	951	825	732	656	-		
	Lo	927	724	631	-	-		
12	Hi	1190	1080	1020	950	930	797	1190
	Med	997	970	930	897	-		
	Lo	797	-	-	-	-		
14	Hi	1476	1410	1406	1401	1322	1014	1476
	Med	1128	1090	1065	988	898		
	Lo	1014	962	885	-	-		
16	Hi	1749	1619	1489	1360	1100	1165	1749
	Med	1360	1295	1287	1230	-		
	Lo	1165	1100	979	-	-		
18	Hi	1978	1836	1694	1483	1236	1271	1978
	Med	1412	1404	1398	1342	-		
	Lo	1271	1200	1165	-	-		
20	Hi	2426	2322	2013	1692	1483	1650	2426
	Med	2043	2001	1894	1596	1276		
	Lo	1650	1596	1543	1469	1200		

DIMENSIONS

AIR HANDLING UNIT - SPA

LEGEND

- A - HEIGHT
- B - DEPTH
- C - WIDTH



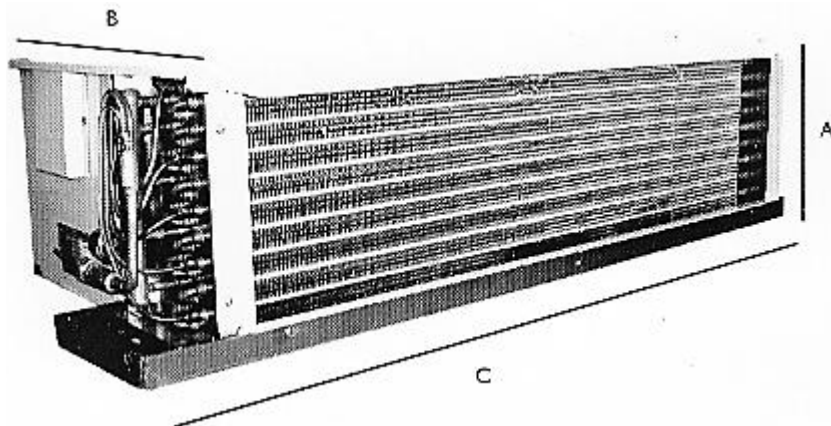
MODEL	DIMENSIONS (mm)			WEIGHT (KG)
	A	B	C	
24	330	545	882	46
30	466	665	882	53
36	466	665	882	53
42	466	665	926	57
48	466	665	926	57
60	466	665	926	58
90	466	665	1498	90
120	466	665	1676	95

LEGEND

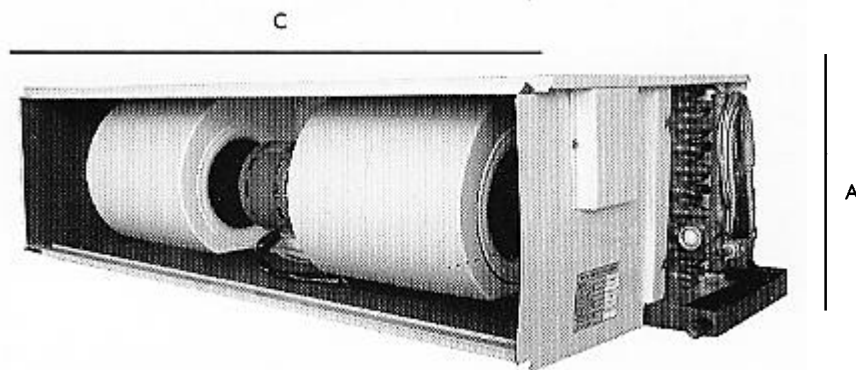
A - HEIGHT

B - DEPTH

C - WIDTH



PLENUM
WITH
ALUMINUM FILTER
(OPTIONAL)
→



MODEL	DIMENSIONS (mm)			WEIGHT (KG)
	A	B	C	
04	240	492	766	18
06	290	492	919	20
08	290	492	1072	22
10	290	492	1072	25
12	290	492	1072	26
14	340	530	1072	35
16	340	530	1072	37
18	390	590	1180	45
20	390	590	1180	48

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