

three inches = one foot

one and one half inch = one foot

one inch = one foot

three quarters inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot

AIR HANDLER SCHEDULE																					
UNIT	TAG	AC96-1		AC96-2		AC-04		AC-05		AC-14		AC-45		AC-46		AC-47		AC-53		AC-54	
	SERVICE	BLDG. 36 1ST FLR ACTIVITY RM		BLDG. 36 1ST FLR DAY RM		BASEMENT		1ST/2ND FLOOR ANNEX		1ST FLOOR		4TH/5TH/6TH DAYROOMS		DINING ROOM		KITCHEN		5TH FLR		5TH FLR	
	TYPE	VDT		VDT		STACKED		STACKED		STACKED		HDT		HDT		HDT		STACKED		STACKED	
	PRESSURE RATING	LOW		LOW		MEDIUM		MEDIUM		MEDIUM		MEDIUM		MEDIUM		MEDIUM		MEDIUM		MEDIUM	
SUPPLY FAN	OUTSIDE AIR FLOW (FT ³ /MIN.)	320		200		500		2205		1310		740		700		1600		900		1350	
	FAN TYPE	FC		FC		AF		AF		AF		PL		PL (K2)		PL (K2)		PL		PL	
	SUPPLY AIR FLOW (FT ³ /MIN.)	3750		2555		2010		5685		4700		3960		8610		11290		3940		5390	
	EXTERNAL STATIC PRES. (IN.W.G.)	1.0		1.0		1.8		3.5		2.0		2.0		1.8		1.5		2.0		2.4	
	DRIVE TYPE	BELT		BELT		BELT		BELT		BELT		DIRECT		DIRECT		DIRECT		DIRECT		DIRECT	
	FAN SPEED (RPM)	928		803		2550		2520		2850		2160		2260		1970		2680		2680	
	MOTOR SIZE (HP)	3		1		3.0		10.0		7.5		3.5		4.5 (K2)		6.5(K2)		5.0		3.5 (K2)	
	MOTOR SPEED (RPM)	1800		1800		1750		1750		1750		1750		1750		1760		1750		1755	
	VOLTS/PHASE	460/3		460/3		460/3		460/3		460/3		208/3		208/3		208/3		460/3		460/3	
	COOLING COIL	TYPE	CW		CW		CW		CW		CW		CW		CW		CW		CW		CW
AIR FLOW (FT ³ /MIN.)		3750		2555		2010		5685		4700		3960		8610		11290		3940		5390	
MIN. FACE AREA (FT ²)						9.0		15.1		12.0		24.0		24.0		24.0		15.0		15.0	
MIN. SENSIBLE CAPACITY (MBH)		89.3		62.5		71.1		171.7		154.7		113.9		255.4		357.8		157.9		183.3	
MIN. TOTAL CAPACITY (MBH)		90.1		65.4		101.2		286.1		227.6		165.8		573.0		209.0		274.4		274.4	
ENTERING AIR TEMP. DEWB (°F)		78.2/61.8		78.7/62.6		83.4/67.5		81.9/69.2		84.0/68.9		82.6/68.0		79.8/66.2		84.5/70.7		82.9/68.2		83.5/68.5	
LEAVING AIR TEMP. DEWB (°F)		55/54		55/54		55/54		55/54		55/54		55/54		55/54		55/54		55/54		55/54	
MIN. ROWS		4		4		6		6		6		6		6		6		6		6	
MAX. FINS PER INCH		10		10		10		10		10		10		10		10		10		10	
MAX. AIR PRES. LOSS (IN.W.G.)		0.25		0.25		0.56		0.56		0.57		0.58		0.65		0.76		0.43		0.52	
HEATING COIL	WATER FLOW (GAL./MIN.)	18		12		15		60		35		35		75		115		45		55	
	ENTERING WATER TEMP. (°F)	45		45		45		45		45		45		45		45		45		45	
	MAX. WATER PRES. LOSS (FT. W.G.)	5		4.1		8.5		4.45		14.1		8.0		8.1		9.3		6.4		7.0	
	TYPE	-		-		-		HW (PRE-HEAT)		-		-		-		HW (PRE-HEAT)		-		-	
	AIR FLOW (FT ³ /MIN.)	-		-		-		5685		-		-		-		11290		-		-	
	MIN. FACE AREA (FT ²)	-		-		-		15.1		-		-		-		24.0		-		-	
	MIN. SENSIBLE CAPACITY (MBH)	-		-		-		278.9		-		-		-		344.7		-		-	
	ENTERING AIR TEMP. DB (°F)	-		-		-		30		-		-		-		65.1		-		-	
	LEAVING AIR TEMP. DB (°F)	-		-		-		55		-		-		-		85		-		-	
	MANUFACTURER	NOTES	MAGIC AIRE		MAGIC AIRE		TEMTRIL		TEMTRIL		TEMTRIL		TEMTRIL		TEMTRIL		TEMTRIL		TEMTRIL		TEMTRIL
		7.10.11		7.10.11		1.6,7,8		2.6,7,8		1.6,7,8		4.6,7,8		4.6,7,9		5.6,7,9		3.6,7,8		3.6,7,8	

- NOTES:
- PROVIDE UNIT WITH MIXING SECTION, PRE-FILTER SECTION INCLUDING ONE 2" THICK MERV 7 AND ONE 6" THICK MERV 11 FILTERS, 18" ACCESS SECTION, COOLING COIL SECTION, AND STACKED FAN SECTION.
 - PROVIDE UNIT WITH MIXING SECTION, PRE-FILTER SECTION INCLUDING ONE 2" THICK MERV 7 AND ONE 6" THICK MERV 11 FILTERS, PRE-HEAT COIL SECTION, 18" ACCESS SECTION, COOLING COIL SECTION, AND STACKED FAN SECTION.
 - PROVIDE UNIT WITH MIXING SECTION, PRE-FILTER SECTION INCLUDING ONE 2" THICK MERV 7 AND ONE 6" THICK MERV 11 FILTERS, 18" ACCESS SECTION, COOLING COIL SECTION, STACKED FAN SECTION, AND AFTER FILTER SECTION INCLUDING ONE 12" THICK MERV 14 FILTER.
 - PROVIDE UNIT WITH MIXING SECTION, PRE-FILTER SECTION INCLUDING ONE 2" THICK MERV 7 AND ONE 6" THICK MERV 11 FILTERS, 18" ACCESS SECTION, COOLING COIL SECTION, AND FAN SECTION WITH HORIZONTAL DISCHARGE.
 - PROVIDE UNIT WITH MIXING SECTION, PRE-FILTER SECTION INCLUDING ONE 2" THICK MERV 7 AND ONE 6" THICK MERV 11 FILTERS, 18" ACCESS SECTION, COOLING COIL SECTION, AND FAN SECTION WITH HORIZONTAL DISCHARGE.
 - MANUFACTURER TO PROVIDE AND SHIP UNIT IN INDIVIDUAL SPLITS. CONTRACTOR TO DISASSEMBLE SECTIONS IN FIELD AS REQUIRED IN ORDER TO PLACE UNITS IN LOCATIONS INDICATED ON DRAWINGS.
 - PROVIDE AND FIELD INSTALL SUPPLY AND RETURN SMOKE DETECTORS PROVIDED BY MECHANICAL CONTRACTOR AND WIRED BY ELECTRICAL CONTRACTOR.
 - PROVIDE WITH FACTORY MOUNTED VFD (BACNET INTERFACE) WITH BYPASS AND INTEGRAL DISCONNECT.
 - PROVIDE MOTOR OVERLOAD PANEL WITH FACTORY MOUNTED VFD (BACNET INTERFACE) WITH BYPASS AND INTEGRAL DISCONNECT.
 - PROVIDE ABB VFD WITH BACNET INTERFACE CARD
 - INSTALL VERTICAL UNIT ON RETURN PLENUM STAND AS INDICATED ON DRAWINGS. PROVIDE WITH GRAVITY DAMPER AT INLET OF UNIT.

AIR DEVICE SCHEDULE										
MARK	SERVICE	TYPE	FACE APPEARANCE	FACE SIZE (IN.)	THROW PATTERN	MATERIAL	FINISH	MANUFACTURER	MODEL	NOTES
A	SUPPLY	CEILING	LOUVERED	24x24	4-WAY	ALUMINUM	WHITE	TITUS	TDC-AA	1,2
B	SUPPLY	CEILING	LOUVERED	12x12	4-WAY	ALUMINUM	WHITE	TITUS	TDC-AA	1