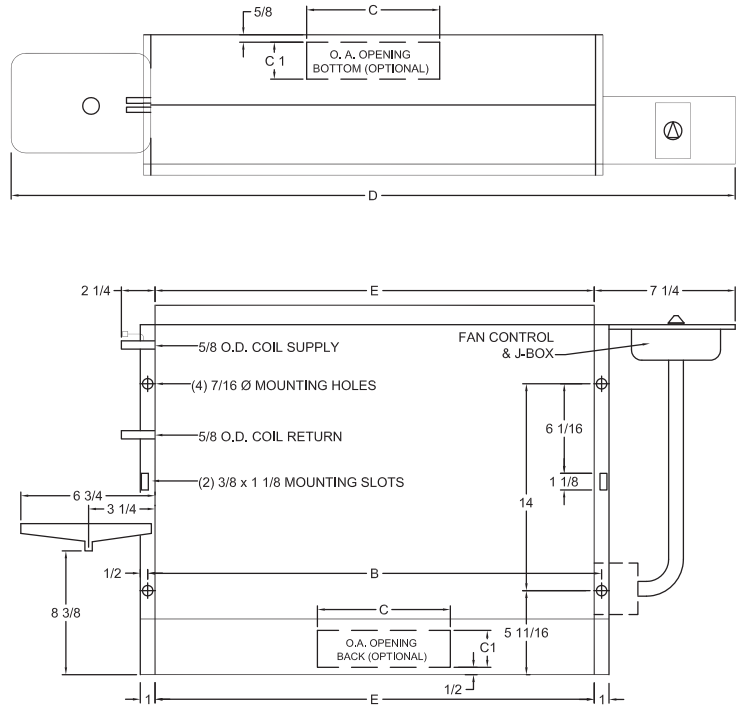
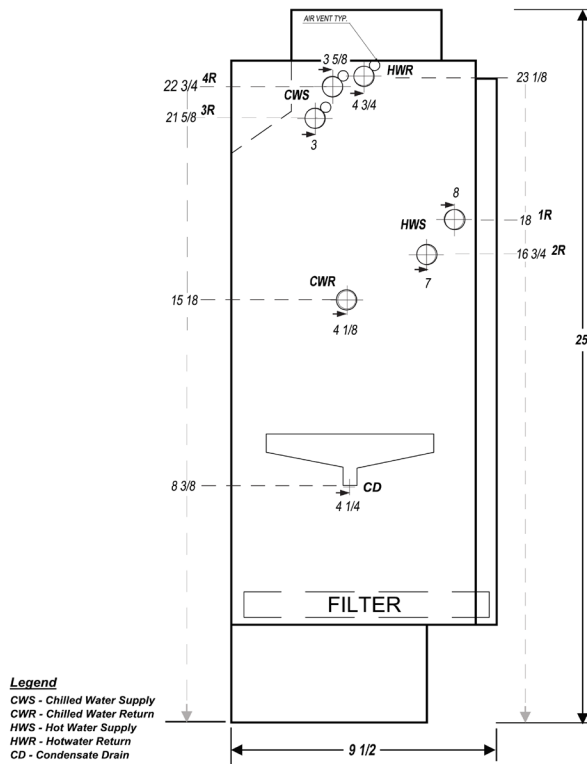


FCTF Floor Concealed



FCTF_V5_S1

Left hand piping connections shown, right hand opposite. Piping hand determined when facing air outlet. Electric junction box location may vary depending on control requirements. Contact Factory.

UNIT SIZE	DIMENSIONS				
	B	25% OA INTAKE		D	E
		C	C1		
02	22	9	2-1/2	35	21
03	28	9	2-1/2	41	27
04	32	15	2-1/2	45	31
06	46	15	2-1/2	59	45
08	58	27	2-1/2	71	57
10/12	78	27	2-1/2	91	77

Dimensions are approximate and are subject to change without notice.



260 North Elm Street, Westfield, MA 01085

Tel: (413) 568-9571

www.airthermhvac.com

PROJECT: _____ DATE: _____

LOCATION: _____

ARCHITECT: _____

ENGINEER: _____

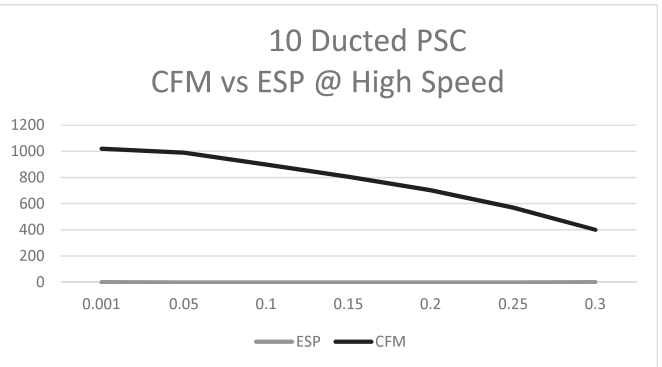
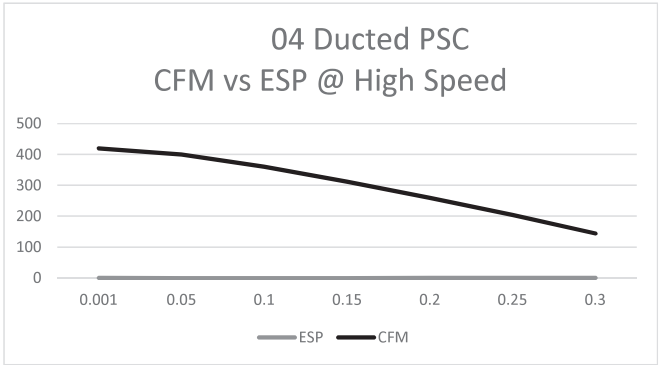
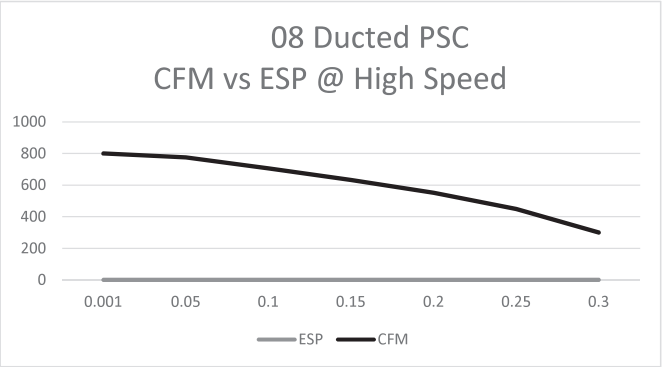
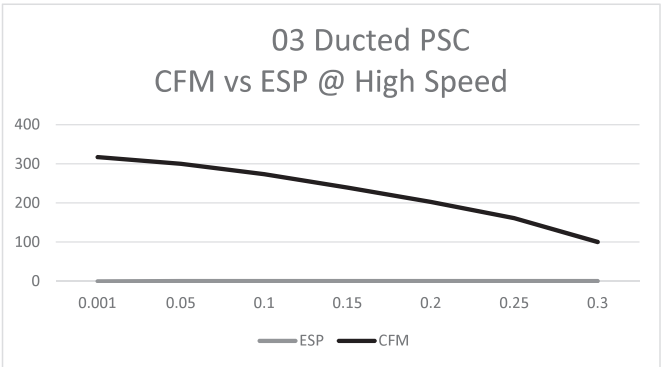
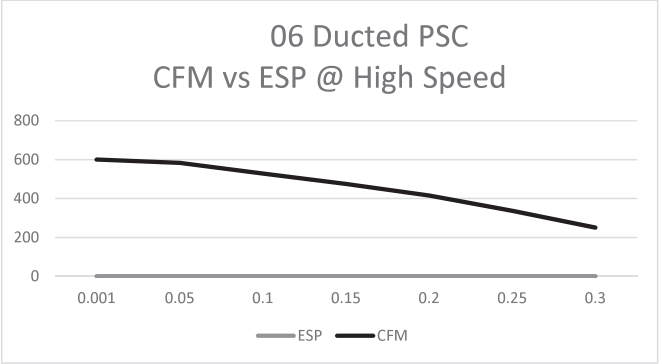
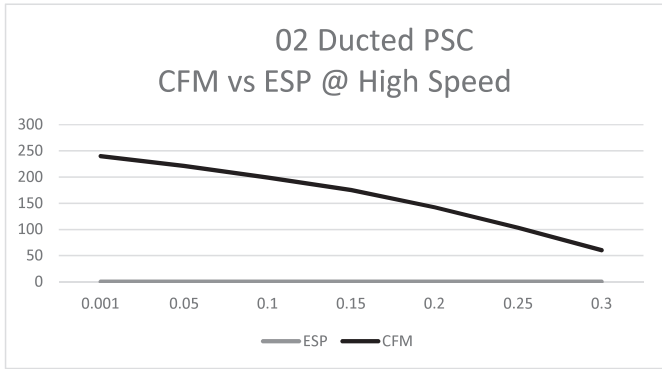
CONTRACTOR: _____

PO NUMBER: _____

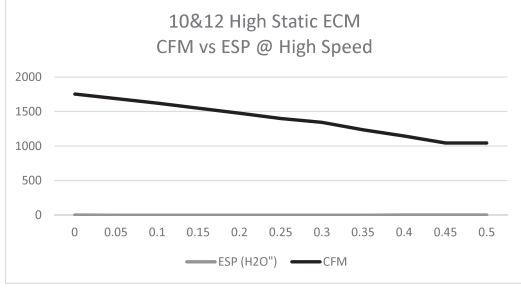
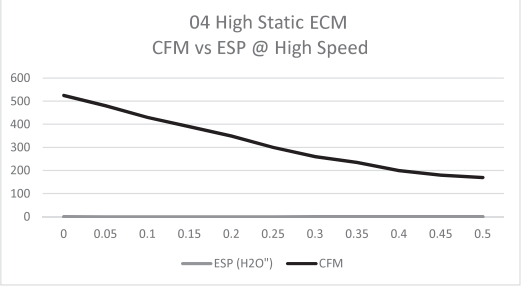
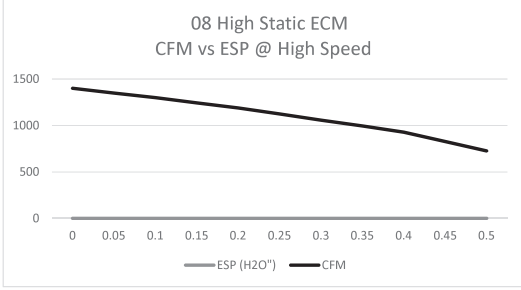
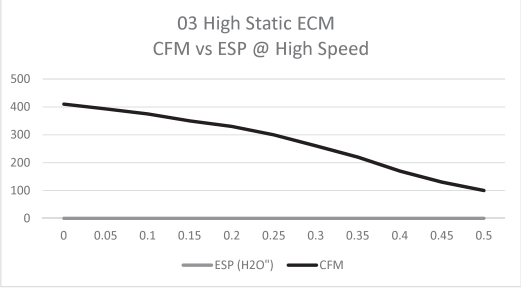
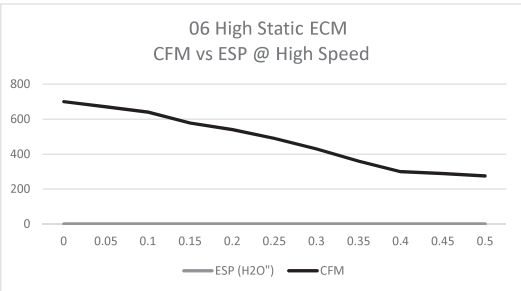
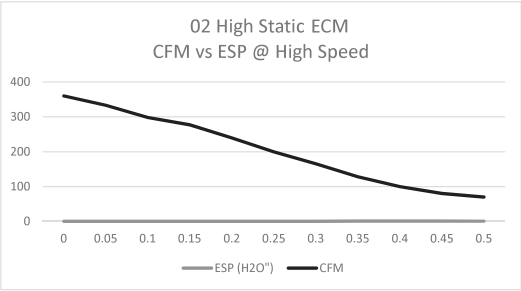
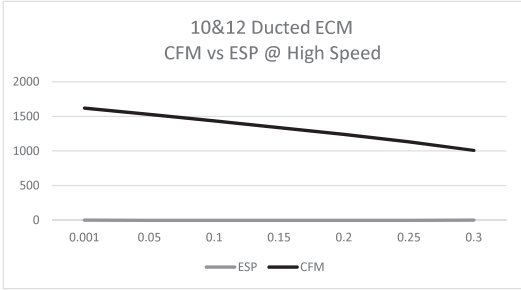
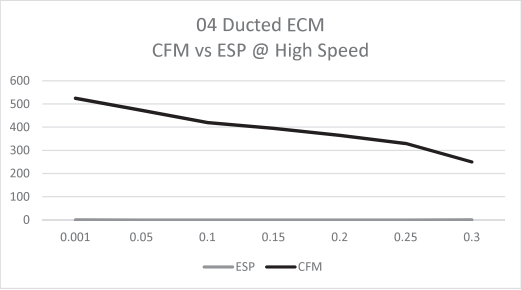
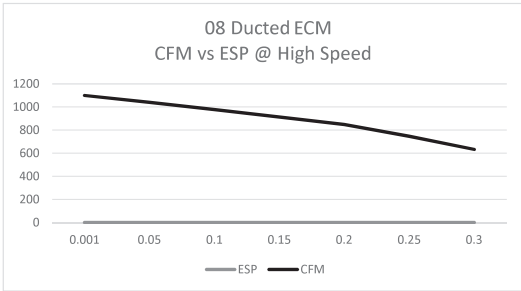
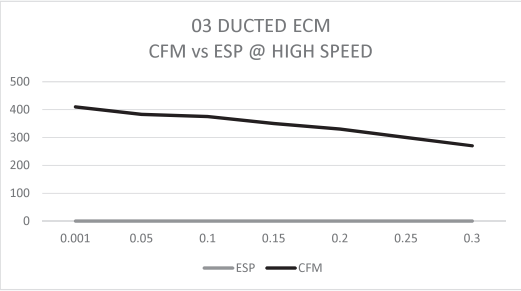
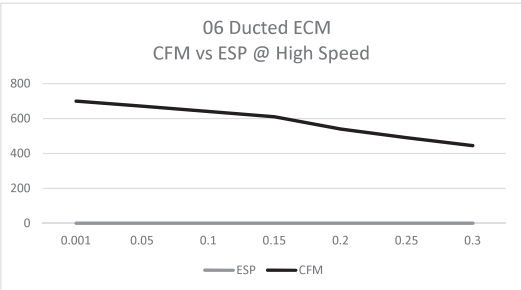
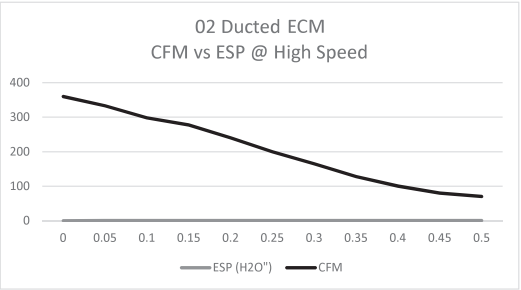
PHYSICAL DATA										
				UNIT SIZE						
				2	3	4	6	8	10	12
Air Inlet Opening – Minimum Free Area – Square Inches				67.6	81.2	94.9	149.6	190.7	259.1	259.1
Air Outlet Opening – Minimum Free Area – Square Inches				57.9	69.6	81.4	128.3	163.4	222.1	222.1
Filters			QTY.	1	1	1	1	1	2	2
SIZE-1" X 9" X			Length (In.)	20 7/8	26 7/8	30 7/8	44 7/8	56 7/8	40 & 30 7/8	40 & 30 7/8
Fans	Wheel	QTY		1	1	2	21	3	4	4
		Diameter (In.)		5.72	5.72	5.72	5.72	5.72	5.72	5.72
		Width (In.)		7.875	7.875	7.875	7.875	7.875	7.875	7.875
		Type		Double Width – Double Inlet – Forward Curve						
	Construction		U.L. Rated Plastic Fan – Dynamically Balanced							
	Housing	Width (In.)		9.175						
		Construction		Galvanized Steel						
	Coils		Air Vent		Manual Air Vent Furnished On All Coils					
Tube Diameter			1/2" Seamless Copper							
Connection Size			5/8" O.D. Sweat							
Test Pressure			450 PSI							
Working Pressure			300 PSIG Maximum							
Depth 3-ROW			3 1/4							
Depth 4-ROW			4 3/8							
Width (In.)			7.5							
Length (In.)			15 1/12	22 1/2	26 1/2	40 7/8	53 7/8	72 5/8	72 5/8	
Face Area (Sq. Ft.)			3 & 4-Row	0.81	1.2	1.4	2.1	2.8	3.8	3.8
Fin Material			Aluminum							
FPI			10.5							
			12				14			
Water Vol. Gal. 3-Row			0.41	0.5	0.56	0.75	0.93	1.22	1.22	
Water Vol. Gal. 4-Row			0.55	0.67	0.75	1	1.24	1.62	1.62	

UNITAIRE 5 FAN COILS DUCTED UNITS Capacity Performance Chart									
		UNIT SIZE							
		02	03	04	06	08	10	12	
PRIMARY COILS		Cooling EAT-80*DB/67*WB_EWT/LWT-45/55							
3-ROW	Tot/Sen GPM	6.6/4.9 1.3	8.4/6.3 1.7	11/8.3 2.2	12.3/9.2 2.5	17.5/13 3.5	26.6/20 5.3	32.8/24.7 6.6	
4-ROW	Tot/Sen GPM	7.4/5.6 1.5	9.4/7.1 1.9	12.3/9.3 2.5	14/10.6 2.8	20.1/15 4.0	31/23.3 6.2	37.6/28 7.5	
HEATING COILS		Heating EAT-70*DB_EWT/LWT-180/160							
1-ROW	Sen GPM	11 1.1	15.2 1.5	18.9 1.9	22 2.2	28.4 2.8	6.4 3.6	39.5 4	
2-ROW	Sen GPM	15 1.5	20.7 2.1	25.9 2.6	27.2 2.7	35.2 3.5	45 4.5	47.5 4.9	
3-ROW	Sen GPM	17.9 1.8	25.4 2.5	32.9 3.3	42.1 4.2	56.3 5.6	69.6 7	82.7 8.3	
4-ROW	Sen GPM	20.9 2.1	28.8 2.9	35.9 3.6	46.5 4.7	60 6	72.7 7.3	84.3 8.4	
CFM Range @.15 ESP		90-320	100-320	150-500	150-560	225-860	370-1300	370-1300	
WATTS		60	60	80	90	140	200	200	

Air Flow Curves



Optional Motor Air Flow Curves



UNITAIRE DUCTED HIGH STATIC FAN COIL UNITS

OCTAVE BAND SOUND POWER RATINGS

(DB RE: 10⁻¹² WATTS)

The following data pertains to uncased, high static fan coils under 0.0 ESP, (not an installed unit) recorded in a reverberation chamber.

Tabulated below is the sound power data for Airtherm Unitaire fan coil units. Riverbank Acoustical Laboratory located in Geneva, Illinois has conducted independent sound power tests for Airtherm. The facilities and measurement techniques were in complete accordance with ARI Standard 350-86. The standard output of the ILG Source is that indexed in ASTM E336-67T.

UNIT SIZE	MOTOR SPEED	MOTOR RPM	CFM	OCTAVE BAND						
				2	3	4	5	6	7	8
				CENTER FREQUENCY (CPS)						
				125	250	500	1000	2000	4000	8000
021	HIGH	1010	240	60.5	61.5	53.5	51.5	47.5	43.5	42.5
	MED	950	220	57.5	58.5	50.5	48.5	44.5	40.5	39.5
	LOW	750	175	52.5	53.5	45.5	43.5	39.5	35.5	34.5
031	HIGH	1060	310	58.5	63.5	57.5	55.5	52.5	45.5	38.5
	MED	950	275	55.5	60.5	54.5	52.5	49.5	42.5	35.5
	LOW	750	220	50.5	55.5	49.5	47.5	44.5	37.5	30.5
041	HIGH	1060	400	58.5	60.5	58.5	54.5	50.5	42.5	41.5
	MED	950	350	55.5	57.5	55.5	51.5	47.5	39.5	38.5
	LOW	750	280	46.5	52.5	50.5	46.5	42.5	34.5	33.5
061	HIGH	1060	600	61.5	66.5	60.5	59.5	55.5	49.5	45.5
	MED	950	535	58.5	63.5	57.5	56.5	52.5	46.5	42.5
	LOW	750	425	53.5	58.5	52.5	51.5	47.5	41.5	37.5
081	HIGH	1070	800	60.5	64.5	59.5	59.5	56.5	47.5	40.5
	MED	950	710	57.5	61.5	56.5	56.5	53.5	44.5	37.5
	LOW	750	560	52.5	56.5	51.5	51.5	48.5	39.5	32.5
101	HIGH	1070	800	63.5	68.5	61.5	60.5	57.5	50.5	44.5
	MED	950	710	60.5	65.5	58.5	57.5	54.5	47.5	41.5
	LOW	750	560	55.5	53.5	53.5	52.5	49.5	42.5	36.5
121	HIGH	1220	1060	60.5	65.5	59.5	58.5	54.5	48.5	44.5
	MED	1100	900	--	--	--	--	--	--	--
	LOW	830	710	52.5	57.5	51.5	50.5	46.5	40.5	36.5