FORM T-A-01

CONSULTANT

TESTING ADJUSTING AND BALANCING CARD FOR HVAC SYSTEMS

CARD I	OK H	VAC SY	STEMS	CONTRAC	TOR				
AIR SIDE TEST SUMMARY									
BALANCING BY				INSTRUMENT					
FAN DATA: RPM		FLOWRATE		MOTOR S.P. AMPS			VOLTAGE		
		(DM^3/S)	(Pa))					
1	2	3	4	5	6	7	8		
* DUCT MEASUREMENT POINT No. OR TERMINAL CODE	SUPPLY OR RETURN MODEL	FLOW FACTORS OR NET CORE AREA	DESIGN AIR FLOW	DESIGN VELOCITY	AVERAGE VELOCITY READING	MEASURED AIR FLOW	REMARKS		
	SIZE	m^2	dm^3 / s	m / s	m / s	dm^3 / s			
* CEE DDWC	1								
* SEE DRWG'S									
FINAL CHECK									
				CONSUL	TANT	CON	ΓRACTOR		
BUILDING :			NAME	:		NAME	:		
EQPT. CODE :			SIGNATURI	GNATURE:			SIGNATURE:		
			DATE	:		DATE	:		

AN CAPACITY TEST	T REPORT FORM T-A-02
EST By :	SHEET: /OF/
BUILDING :	ZONE #:
YSTEM :	DATE :
REMARKS :	
VOLTAGE :	_ Actual Volts :
(volts)	_ Nameplate Volts :
CURRENT :	_ No Load Amps :
(amps)	_ Full Load Amps :
	_ Running Amps :
	_ Corrected Actual
	Full Load Amps : Line (2) x Line (4) =
	Line (1)
POWER :	Nameplate HP :
(HP)	Numeriae III
	BRAKE HP = $\underline{\text{Line } (5) - 1/2 \text{ Line } (3)} \times \text{Line } (7) \dots$
	Line (6) - 1/2 Line (3)
HEAD :	Total Suction Head _:
(Pa)	Total Disharge Head:
	Static Disharge Head:
	* FAN STATIC HEAD = Line (11) - Line (9) =
_	
** FLOW RATE (dm^3/s)	:
SPEED (rpm)	:

DUCT TRAVERSE READINGSTEST By:BUILDING:SYSTEM:REMARKS:				SHEET: ZONE#: DATE:	FORM T-A-03 / OF /						
NO.	VELOCITY PRESSURE	VELOCITY	DUCT POSITION	NO .	VELOCITY PRESSURE	VELOCITY	DUCT POSITION	NO .	VELOCITY PRESSURE	VELOCITY	DUCT POSITION
1A				1B				1C			
2A				2B				2C			
3A				3B				3C			
4A				4B				4C			
5A				5B				5C			
6A 7A				6B 7B				6C 7C		1	
7A 8A				8B				8C		1	
9A				9B				9C			
10A				10B				10C			
11A				11B				11C			
12A				12B				12C			
13A				13B				13C			
14A				14B				14C			
15A				15B				15C		1	
16A		<u> </u>		16B				16C			
TOT =	ALAVERAGE V	ELOCITY			ALAVERAGE V	/ELOCITY		TOT. =	AL AVERAGE `	VELOCITY	
2 3 4		ERATURE FACTOR (I		E 3)				. = . =	CORRECTI	ON FACTOR	
		OTAL VELO OF READING						. =		$V_{\rm m}$, AVERA	AGE
6	V _m		x FACTOR		M^2	(LINE 4)		=		_ V , M/S	
			_			(LINE 7)		=		DM^3 / S	
9	ACTUAL	DM^3 / S	,		(LINE 8)	- ` ′			DESIGN D		
		ESSURE (S				ı					
		V = A = RECTANGO ROUND D	ACTUAL V DUCT ARE ULAR DUC UCT AREA	VELC EA , T AI , M2	OCITY AFTE M^2 REA, $M^2 = 2$	R INDICATION OF THE REPORT OF	VARIATIO IEIGHT ADIUS SQU	ON C	$O(pR^2)$	N	

ROUND DUCT FLOW ADJUSTING REPORT TEST By : SHEET: /OF/ BUILDING : ZONE #: SYSTEM : DATE :

EXISTING DATA		
DUCT DESIGNATION DAMPER TYPE & DIMENSION SPECIFIED FLOW (dm ³ /s)	: <u></u> : <u></u>	
1 st MEASUREMENT		
MEASURED Δp_2 (pa) DAMPER POSITION AIR FLOW (dm^3/s)	: <u></u> :	
2 nd MEASUREMENT		
2^{nd} MEASUREMENT MEASURED Δp_2 (pa) DAMPER POSITION AIR FLOW (dm^3/s)	:	
MEASURED Δp_2 (pa) DAMPER POSITION	: :	

FORM T-A-05 CONSULTANT

TESTING ADJUSTING AND BALANCING CARD FOR HVAC SYSTEMS

	CONTRACTOR								
AIR - HANDLING UNIT TEST REPORT WINTER / SUMMER									
BUILD	DING :	SHEET: /OF/							
	MENT CODE:	ZONE #							
	PERIOD :								
<u> </u>			1						
NO	ITEM	SPECIFIED	FIELD TEST 1	FIELD TEST 2	FIELD TEST 3				
1.1	OUTSIDE AIR TEMP (°C)								
1.2	SUPPLY AIR TEMP (°C)								
1.3	RETURN AIR TEMP (°C)								
*2.1	OUTSIDE AIR FLOW (dm ³ /s)								
2.2									
2.3	RETURN AIR FLOW (dm³/s)								
3.1	COOLING COIL INLET WATER TEMP (°C)								
3.2	COOLING COIL EXIT WATER TEMP (°C)								
**3.3	COOLING COIL WATER FLOW (1/s)								
3.4	COOLING COIL WATER TEOW (1/8) COOLING COIL PRESSURE DROP (kpa)								
3.5	COOLING COIL CAPACITY (kw)								
	1 1								
4.1	HEATING COIL INLET WATER TEMP (°C)								
4.2	HEATING COIL EXIT WATER TEMP (°C)								
**4.3	HEATING COIL WATER FLOW (1/s)								
4.4	4 HEATING COIL PRESSURE DROP (kpa)								
4.5	HEATING COIL CAPACITY (kw)								
*	ITEMS 2.1, 2.2, 2.3 RECORD	DED AS MEASUR	RED THROUGH A	AIR SIDE TESTS					
**	ITEMS 3.3, 4.3 RECORD	DED AS MEASUR	RED THROUGH V	WATER SIDE TE	STS.				
REMA	ARKS:								
(COMMISSIONING	CO	NSULTANT	CO	NTRACTOR				
NAME	ENGINEER	NAME :		NAME					
SIGNA		SIGNATURE :		SIGNATURE	·				
DATE	:	DATE :		DATE	:				
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FORM T-P-01 CONSULTANT TESTING ADJUSTING AND BALANCING CARD FOR HVAC SYSTEMS CONTRACTOR SEASONAL TEST CARD FOR ZONES SUMMER / WINTER BUILDING : _____ SHEET : ____ / OF / ____ TEST PERIOD : INSTRUMENT : TEMPERATURE(°C) - HUMIDITY (%) FIELD TEST 1 FIELD TEST 2 FIELD TEST 3 * ZONE SPECIFIED * SEE DRWG'S : _____ **REMARKS**: CONSULTANT CONTRACTOR COMMISSIONING **ENGINEER** NAME : _____ NAME : _____ NAME : ____ SIGNATURE : SIGNATURE : SIGNATURE : DATE : DATE : _____ DATE : ____