

ANNEX “D”

EXISTING TAB REPORT – 1994

Hi Tec Balancing Ltd.

AIR MOVING EQUIPMENT TEST SHEET

Sheet No. 1 OF 17

Job Name New Welding School Building No. 253

CFB Borden, Ontario.

Unit No.	AC-1	AC-2	MUA-1	MUA-2
Duty	Classroom 101	Classroom 103 Instructors Office	Welding Booth Make Up Air	Welding Booth Make Up Air
Location	Roof	Roof	Roof	Roof
Manufacturer	Keeprite	Keeprite	Temprite	Temprite
Model No.	PGA036F1SA	PGB090H2SARGMA75 N201A	GTD275-CBHW/G	GTD275-CBHW/G
Serial No.	L940119682	L942435182	11755-1	11756

Operating Conditions	Specified	Actual	Specified	Actual	Specified	Actual	Specified	Actual
Total CFM	1017 480 l/s	1520 717 l/s	2601 1227 l/s	2710 1278 l/s	33021 15576l/s	30580 14424l/s	36023 16992l/s	36355 17148l/s
Total of Outlets	1017 480 l/s	1520 717 l/s	2607 1230 l/s	2625 1238 l/s				
Return Air C.F.M.		90%		90%				
O.S.A. C.F.M.		10%		10%		100%		100%
Total Static Pressure EXT.	0.60" 150 pa	0.44" 110 pa	0.60" 150 pa	0.64" 159 pa	0.60" 150 pa	0.62" 154 pa	0.60" 150 pa	0.58" 144 pa
Suction Pressure		0.14" 35 pa		0.16" 40 pa		0.50" 124 pa		0.47" 117 pa
Discharge Pressure		0.30" 75 pa		0.48" 119 pa		0.12" 30 pa		0.11" 27 pa
Fan Sheave	Direct		Fixed		Fixed		Fixed	
Motor Sheave	Drive		Open		Fixed		Fixed	
Belts			1-A62		2 Sets 3-C107		2 Sets 3-C111	
Motor Manufacturer	Emerson		Emerson		Marathon		Teco Electric	
Size	1		2		2-20		2-25	
Voltage	208		575		575		575	
Phase	1		3		3		3	
RPM Motor	1075		1725		1755		1755	
Amperage	Rated 5.0	Running 3.3	Rated 2.7	Running 2.7	Rated 20.5 20.5	Running 20.0 19.5	Rated 24.0 24.0	Running 22.0 24.0
RPM Fan	NA	Low	NA	962	1459	NA	1563	NA
Remarks:								

Hi Tec Balancing Ltd.

AIR MOVING EQUIPMENT TEST SHEET

Sheet No. 2 OF 17

Job Name A-253

Unit No.	MUA-3	HV-1						
Duty	Welding Booth Make Up Air	Preparation Area						
Location	Roof	Roof						
Manufacturer	Temprite	Haakon Industries						
Model No.	GTDM275-CBHW/G	Pentpak HV-2SF						
Serial No.	11755-2	94-4592-02						
Operating Conditions	Specified	Actual	Specified	Actual	Specified	Actual	Specified	Actual
Total CFM	33021 ^{CFM} 15576 l/s	33860 ^{CFM} 15971 l/s	10012 4723 l/s	10255 4837 l/s				
Total of Outlets			9752 4600 l/s	10057 4744 l/s				
Return Air C.F.M.								
O.S.A. C.F.M.		100%		100%				
Total Static Pressure	EXT. 0.60" 150 pa	0.52" 129 pa	1.50" 375 pa	0.68" 169 pa				
Suction Pressure		0.43" 107 pa		0.20" 50 pa				
Discharge Pressure		0.09" 22 pa		0.48" 119 pa				
Fan Sheave	Fixed	Fixed						
Motor Sheave	Fixed	Open						
Belts	2 Sets 3-C107	2-A81						
Motor Manufacturer	Marathon	Century						
Size	2-20	10						
Voltage	575	575						
Phase	3	3						
RPM Motor	1755	1750						
Amperage	Rated 20.5 Running 20.5	Rated 20.0 Running 18.5	Rated 9.6 Running 7.0	Rated 7.0 Running 7.0	Rated	Running	Rated	Running
RPM Fan	1459	NA	1296	1199				
Remarks:								

Hi-Tec Balancing Ltd.

EXHAUST FAN TEST SHEET

Sheet No. 3 OF 17

Job Name A-253

Fan No.	EF-1	EF-2	EF-3	EF-4	EF-5	EF-6	EF-7
Location	Roof	Roof	Roof	Roof	Roof	Roof	Roof
Duty	Heat Recovery	Heat Recovery	Heat Recovery	Carbon Arc	Carbon Arc	Carbon Arc	General Exhaust
Mfg.	Temprite	Temprite	Temprite	Carnes	Carnes	Carnes	Carnes
Model No.	TAH136-330-BG0	TAH140-360-BG0	TAH136-330-BG0	VBBA13V2 H1N12A1	VBBA13V2 H1N12A1	VBBA13V2 H1n12A1	VRBK15P1 A1RA20SCK
Required CFM	33021 15576 l/s	36023 16992 l/s	33021 15576 l/s	3002 1416 l/s	3002 1416 l/s	3002 1416 l/s	2501 1180 l/s
Actual CFM	29680 ^{29,540 CFM} 14000 l/s	34680 ^{34,515 CFM} 16358 l/s	31475 ^{31,327 CFM} 14847 l/s	3150 1486 l/s	3240 1528 l/s	3310 1561 l/s	2750 1297 l/s
Required SP	1.80" 450 pa	1.80" 450 pa	1.80" 450 pa	1.20" 300 pa	1.20" 300 pa	1.20" 300 pa	0.13" 32 pa
Actual SP	1.38" 343 pa	1.45" 361 pa	1.48" 368 pa	1.15" 286 pa	1.02" 254 pa	1.00" 249 pa	0.16" 40 pa
Fan Sheave	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Motor Sheave	Fixed	Fixed	Fixed	Closed	Closed	Closed	Open
Belts	3-C110	3-C122	3-C110	1-B40	1-B40	1-B40	1-4L250
Motor HP	30	30	30	2	2	2	3/4
Voltage	575	575	575	575	575	575	575
Amp Rating	28.0	28.0	28.0	2.6	2.6	2.6	1.1
Actual AMP	24.0	25.0	24.5	2.6	2.6	2.6	1.1
Required RPM	1036	896	1036	1504	1504	1504	1179
Actual RPM	1042	890	1043	2073	2061	2064	1355

Remarks