

Commissioning - Air
Commissioning - Water

Project:	auto	Ref.:	auto
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System: auto Sheet: auto of auto

*The system detailed within has been witnessed to the Clients representative,
the test data is a true record of the system performance achieved*

Witnessed By:	auto (S)
Company:	auto (S)
Date:	auto (S)

Test Completed By:	Auto
Services Contractor:	Auto
Date:	Auto

Comments: 12×1





Generic

Project:	auto	Ref.:	auto
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System: <u>auto</u>	Sheet: <u>auto</u> of <u>auto</u>
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Client	Auto
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[illegible]

Engineer: <i>auto</i>	Date: <i>auto</i>
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GENERIC

BALCOMM LIMITED

Communications / Electronics / Computing
in Water Treatment

System Schematic

Project:	auto	Ref:	auto
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System:	auto	Sheet:	auto of auto
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VISTA - EXPORT?

Engineer:	auto	Date:	auto
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Commissioning - Air

BALCOMM LIMITED

Commissioning, Ductwork Cleaning
& Water Treatment

Air System Pre-Commissioning Checks

Project: Auto	Ref.: Auto
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System: Auto	Sheet: Auto of Auto
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General	Check	Comments
Installation Complete	X	TEXT
Fire Dampers Open & Operational	X	
Balancing Dampers Open	X	
Grilles & Diffuser Open	X	
Fan Chambers Clean	X	
Ductwork Clean	X	

Fan Mechanical Checks	Check	Comments
Transit Bolts Removed	X	TEXT
Pulleys Secure On Shaft	X	
Pulley Alignment & Belt Tension	X	
Motor & Pump Bearing Lubrication	X	
Filters In Position & Clean	X	
Drive Guards Fitted	X	

Electrical Checks	Check	Comments
Starter Overload Settings	X	TEXT
Electrical Supply Available	X	TEXT

Initial Start	Check	Comments
Direction Of Rotation Of Motor Shaft	X	TEXT
Motor Running Currents (All Phases)	X	TEXT

Comments: TEXT

☒ OK = Yes
 ☐ X = No
 ☐ N/A = Not Applicable

Engineer: Auto	Date: Auto
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Commissioning-Air

BALCOMM LIMITED

Commissioning, Ductwork Cleaning
& Water Treatment

Fan Detail & Performance Test Record

Project: A10	Ref.: A10
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System: A10	Sheet: A10 of A10
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FAN	Item	Static Check	Comments
	Make & Model	TEXT	TEXT
	Type	↓	↓
	Serial Number 1		
	Serial Number 2		
	Pulley/Shaft/Bush		
	Belt		
	Pitch Angle	↓	↓

MOTOR	Item	Static Check	Comments
	Make & Model	TEXT	TEXT
	Frame	↓	↓
	Serial Number 1		
	Serial Number 2		
	Power kw	Text	
	Voltage Volt	Text	
	Full Load Current amp	Number 2 decimal	
	Pulley & Bush Detail	TEXT	↓

PERFORMANCE	Item	Design Data	Test Data No.1	Test Data No.2
	Volume Flow Rate m³/s	Number 3 decimal	Number 3 decimal	Number 3 decimal
	Fresh Air Inlet Pa	Text	Text	Text
	Fan Suction Pa	↓	↓	↓
	Fan Discharge Pa			
	Fan Total Static Pa			
	External Resistance Pa	↓	↓	↓
	Run Current R/Y/B amps	Number 2 decimal	↓	↓
	Fan Speed rpm	Number 2 decimal	↓	↓
	Motor Speed rpm	↓		

Comments: TEXT	↓

Engineer: A10	Date: A10
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Commissioning - Air

BALCOMM LIMITED

Commissioning, Ductwork Cleaning
& Water Treatment

Pitot Volume Test Record

Project: <u>AUTO</u>	Ref.: <u>AUTO</u>
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System: <u>AUTO</u>	Sheet: <u>AUTO</u> of <u>AUTO</u>
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Design Information		Final Measured Volumes										
Traverse Ref.:	TEXT	1	2	3	4	5	6	7	8	Total Velocity m/s	Average Velocity m/s	Actual Volume m³/s
Traverse Location	TEXT	Number								Number	Number	Number
Duct Size mm	Number x Number	1 decimal								1 decimal formula	1 decimal formula	3 decimal formula
Duct Area m²	Number 3 decimal formula									Design %		Number 6 decimal formula
Flow Rate m³/s	Number 3 decimal									No Test Points		Number 6 decimal formula
										Static Pressure (Pa)		Number 1 decimal

Design Information		Final Measured Volumes										
Traverse Ref.:	TEXT	1	2	3	4	5	6	7	8	Total Velocity m/s	Average Velocity m/s	Actual Volume m³/s
Traverse Location	TEXT											
Duct Size mm	x	NONE								Design %		
Duct Area m²	N/A											
Flow Rate m³/s										No Test Points		
										Static Pressure (Pa)		

Design Information		Final Measured Volumes										
Traverse Ref.:	TEXT	1	2	3	4	5	6	7	8	Total Velocity m/s	Average Velocity m/s	Actual Volume m³/s
Traverse Location												
Duct Size mm	x	NONE								Design %		
Duct Area m²												
Flow Rate m³/s										No Test Points		
										Static Pressure (Pa)		

Engineer: <u>AUTO</u>	Date: <u>AUTO</u>
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Commercial/Industrial Cleaning
& Water Treatment

ATC

And

Duct Total l/s:	Number 2 decimal
Hood/Grille Total:	Number 2 decimal
Correction Factor:	Number 2 decimal Formula

TEXT

Arlo

Commissioning, Network Cleaning
& Water Treatment

Sheet: AUTO of AUTO

Date: Avto DD/MM/YY

Constant Air Volume Control Box Test Record

Project: Auto Ref.: Auto

System: AUTO Sheet: AUTO of AUTO

[illegible]

Comments: TEXT

Engineer: ATD Date: ATD

FCU Validation Check List

Project:	AUTO	Ref:	AUTO
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System:	AUTO	Sheet:	AUTO	of	AUTO
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FCU No.	TEXT
Fan Manufacturer	TEXT
Fan Model/Age	TEXT
Fan Serial No.	TEXT
Fan Speed Setting	
Fan Controller Type/Manufacturer	
FCU Chilled Cartridge Type/Manufacturer	
FCU Heating Cartridge Type/Manufacturer	
Visual Inspection For Damage/Corrosion/ Firmness of Fixings	
Valve Operation Open/Close/No Leaks	
Grille Obstructions	
Fresh Air Fitted	
Condensate Test	
Does Speed Controller Work/Noisy	
Filter Ok	
Visual Inspection of Coils	
Does Chilled/Heating Damper Work	
Does BMS Control for Heating/Cooling Work	
Visual Inspection of Electrical Connections	

Comments	TEXT

Engineer:	AUTO	Date:	AUTO
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