

Ventilation installation and Commissioning report

Reference number

Date 12th April 2021

Dwelling Address – Radcliffe Road, Golcar, 1st plot



System Details	
System Classification	System 4 - MVHR
Manufacture of Unit	Vent-Axia
Model Of Unit	Sentinel Kinetic Plus B
Number Of Units	1
Serial Number of unit	
Max Performance of unit	340 M 3/h
Provided Control of unit	Digital Controller
Location of unit	Loft
Type of Ductwork Installed	Semi-rigid (radial) & rigid
Total Floor area of dwelling	225 m ²
Total High Air Extract Rate	70 L p/s
Total High Air Supply Rate	70 L p/s

Installation and Commissioning Engineers Details	
Name	Barry Comper
Company if applicable	Home Ventilation Systems
Address line 1	25 Rectory Lane
Address line 2	Standish
Address line 3	Wigan
Address line 4	
Post Code	WN6 0XA
Signature	Barry Comper
Date	9 th April 2021

Calibrated Anemometer Details	
Make / Model	TESTO 417
Serial Number	02801992
Last Calibration Date	18/11/20

Airflow Measurements (Extract)				
Room Reference	Designed Air flow High Rate (l/s)	Measured Air Flow High Rate (l/s)	Designed Air Flow High Rate (M 3/h)	Measured Air Flow High Rate (M 3/h)
Kitchen	12	12		
Kitchenette	8	8		
Bathroom 1	9	9		
Bathroom 2	10	11		
Bathroom 3	12	11		
En-suite	9	10		
Games room	10	10		
Total	70	71		

Airflow Measurements (Supply)				
Room Reference	Designed Air Flow High Rate (l/s)	Measured Air Flow High Rate (l/s)	Designed Air Flow High Rate (M 3/h)	Measured Air Flow High Rate (M 3/h)
Sitting room	10	11		
Master bed 1	8	8		
Bed 2	6	6		
Dining Room	8	7		
Living room	8	8		
Master bed 2	8	8		
Lounge	10	11		
Basement 1	6	6		
Basement 2	6	7		
Total	70	72		

Installation Checklist		Tick as Appropriate
Has the airflow been checked using an anemometer	Yes	
Has the installation complete with no obvious defects present	Yes	
Upon Start up was there any abnormal sound or vibration experienced or any unusual smells detected		No
Is the unit below 40 dba noise levels in normal operation mode	Yes	
Have air terminals been set and securely tightened	Yes	
Condensation drain is complete and drains to appropriate Location	Yes	
Has the Ductwork been effectively insulated in unheated areas	Yes	
The system complies with the appropriate building regulations	Yes	
Do all internal door have sufficient undercut to allow air transfer between rooms (ie 10mm gap)	Yes	
Has the unit been fixed to a stable element of the building fabric (eg wall or floor) using manufacturer recommended/supplied fixing brackets?	Yes	
Has the entire system been installed such that there is sufficient access for routine maintenance and repair	Yes	
The system has been installed and commissioned in accordance with the manufacturers instructions	Yes	
The operation and system controls have been demonstrated to and understood by the customer	Yes	
The manufacturer's literature, including this checklist and service record, has been explained and left with the customer	Yes	
Has the ductwork been fitted to comply with DW144 regulations	Yes	
Have ducts been installed with as little air resistance and leakages as possible (flexible ducts should be avoided over 1 m in length)	Yes	
If small amounts of flexible ducting have been used, has it been pulled tight to minimise system resistance?	Yes	
Has the number of duct bends been minimised to ensure adequate airflow and least resistance? Bends should have a minimum radius of at least the same as the diameter of the ducting used	Yes	
Have the recommended duct joining collars and components been used to ensure appropriate duct performance	Yes	
Have the ducts passing through different fire compartments been appropriately fire stopped in accordance with the requirements of Part B Regulations (fire safety)	Yes	
If a Airtight membrane is used have all the grilles or ductwork that penetrate the building's air barrier, as identified in the construction drawings, have been sealed to ensure continuity of the air barrier?	Yes	
Has a local electrical mains isolator with earth been provided to enable the unit to be isolated for maintenance purposes	Yes	
Has all Accessories and switches been tested for correct operation	Yes	

