



Xtra by Unovent®

Complete year round Home Ventilation System for Moisture Control

Xtra is a fully automated comprehensive positive pressure whole house ventilation system. Unique absolute humidity & temperature controller calculates optimum air flow. Optional add ons; Heater, Summer Mode, Roof Purge, and Heat Transfer.

Product suitability:

Any residential dwelling with a roof cavity or underfloor access to control condensation and improve air flow



Key Features

- Control based on Absolute Humidity, derived from Relative humidity and temperature, for optimum control.
- High performance centrifugal fan with eight speed controller
- Low running costs as equivalent to 100W light bulb (standard unit without the heater)
- Whisper quiet fan
- Keypad – 2.2” colour display, with adjustable brightness. PDL 600 series white switchplate (other colour switchplate options available on request)
- Washable* G4 filters with optional G7 Filter (* Hand washable in cold water with mild detergent)
- Filter service alert on control panel
- Optional heater (1kW or 2kW) to temper the air
- Optional heat transfer – transfers heat from main heating source such as an open fire
- Optional summer mode – outside air intake from south facing soffit
- Optional roof purge – expels air from roof cavity to avoid excessive heat build up

Applications

Xtra by Unovent® can be installed in any residential dwelling and free standing aged care units. Dwellings must have access to the roof cavity with a minimum 1m, or have underfloor access for floor registers. Xtra is suitable for two storey homes and downcuts can be used for retrofits. Large split level homes is not an issue as three fans can be connected to one Control unit.

Installation

Undertaken by Unovent's Certified installer network.

Limitations of use

- Not suitable for wet areas where Xtract by Unovent systems should be installed.
- Regular access to unit is required for filter maintenance

Electrical

- Standard 230V 50Hz three pin powerpoint is required and power outlet installation must be carried out by a registered electrician. Depending on the age of the property if there is no RCD on the switchboard a hardwired Permanent Connection may be suitable.
- Manufacturer supplied control cable from Control box in roof space to the wall Keypad.

Maintenance

- Filters should be inspected annually. Vacuum first then hand wash in cold water with a mild detergent and dried fully before refitted.
- Filters should be replaced after 5 years of use.

Warranty

5 year warranty on all parts and installation.

Components

The Xtra system has key components for the base unit plus components for the optional extras.

COMPONENT	DESCRIPTION	
Xtra Fan	<p>Each fan can supply up to 250m² dwelling</p> <ul style="list-style-type: none"> • 230V 50Hz • 100W • Ø340mm at widest point • Hanging chain and screw hooks 	
Xtra Control Box	<p>Unique controller with inbuilt algorithm to calculate absolute humidity from the thermostat and humidistat</p> <ul style="list-style-type: none"> • 230V 50Hz • Mains power plug • Low voltage manufacturer supplied control cable to connect to keypad • 73mmH x 212mmW x 162mmD • Optimal placement is screwed to a truss within 2m of the Xtra Fan; use extension cables if more than one fan is used 	
Filters	<ul style="list-style-type: none"> • Comes with an industry recognised standard G4 polymer filter to remove coarse dust particles including pollen, mould and spores from your home • Optional G7 filter for reducing the input of pollens into the house during months with a high pollen count 	
Keypad	<p>Keypad is housed with a PDL 600 white switchplate</p> <ul style="list-style-type: none"> • 2.2" display • Adjustable backlit screen brightness • Fully programmable or 'set and forget' manufacturers recommended settings • Tactile buttons • Filter service alert • Built in temperature and humidistat so position in centre of house (if optional heat transfer module to be installed Keypad must be installed in heat source room) 	
Diffuser	<p>Ceiling diffuser</p> <ul style="list-style-type: none"> • Ø150mm diffuser • UV stabilised engineered polymer • Textured white finish 	

Performance Curve*

High performance Swiss made centrifugal fan

Fan Speed

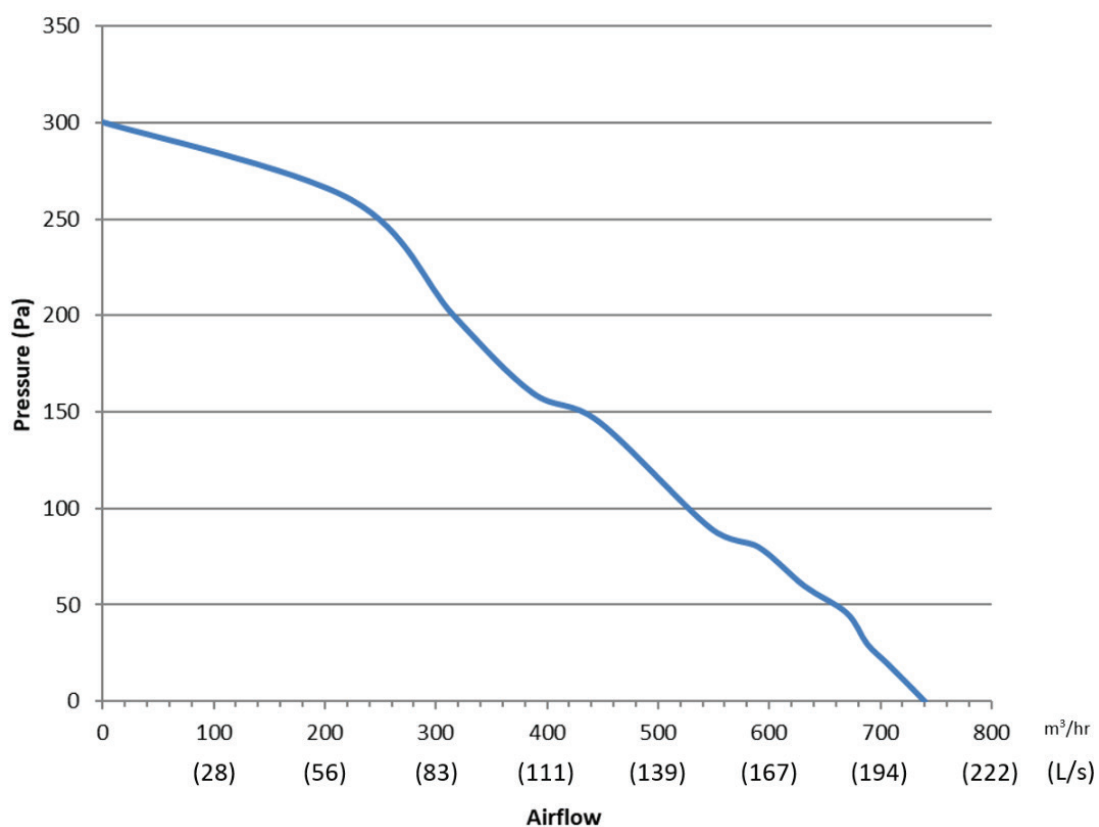
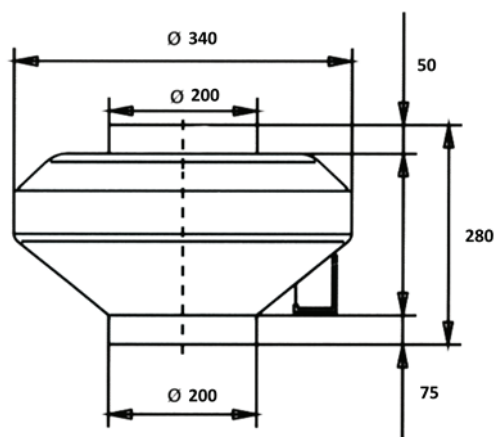
2550 RPM

Fan Performance

217 l/s

780m³/h

* Based on fan at high speed



Xtra with Heat Transfer



Xtra with Summer Mode



Xtra with Roof Purge



CAD is available at www.hometech.co.nz/technical-resources