

# MANROSE PUB1474 EC Inline Mix Flow Duct Fan Instruction Manual

[Home](#) » [MANROSE](#) » MANROSE PUB1474 EC Inline Mix Flow Duct Fan Instruction Manual 

## MANROSE PUB1474 EC Inline Mix Flow Duct Fan Instruction Manual



**Please ensure these instructions are read thoroughly before commencing installation and that all documentation is left with the home owner on completion of installation**

### **CAUTION**

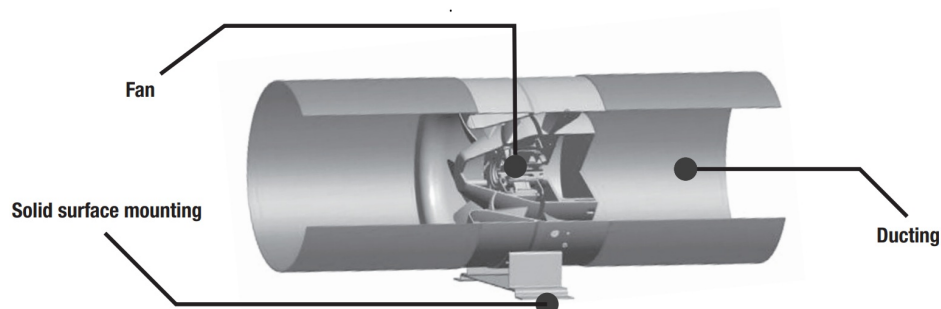
- Before use, please check that the supply voltage and that of the fan are the same (see product rating label).
- All wiring must comply with national wiring rules and regulations.

- Any changes or modifications made or attempted to this product, without the prior written approval of the manufacturer, will void any and all stated warranties.

## IMPORTANT

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Electrical safety is guaranteed only if the product is connected to a suitably earthed electricity supply, according to the national wiring rules.
- In case of damage to the supply cord, switch off the device and do not tamper with it. Damaged supply cords can be rectified only and exclusively by the manufacturer or by an appointed representative. Failure to comply with the above may endanger the safety of the whole system.
- The fan must be permanently connected to a suitable electricity supply by way of the cable provided. This should be via a permanent connection unit in accordance with the national wiring rules.
- Isolate the mains supply before removing the guard, making any electrical connections or performing maintenance.
- Do not connect fan to power before duct work is in place.
- This fan is intended for indoor general ventilating use only. Use other than as described may result in electric shock or injury to persons.
- Do not insert or allow foreign objects into fan or duct connected to fan.
- Do not allow liquids to contact the fan or the fan housing as this may cause electric shock and/or fire hazard.
- Do not place objects on the fan housing as this may cause fire hazard or electric shock or injury.
- Do not puncture fan housing with screw, bolts, etc.
- Install with duct on inlet and duct and/or fan attenuator/silencer on exhaust of fan.
- Install guard screens if personnel have access to inlet or exhaust of fan.
- Precautions must be taken to avoid the back-flow of gases, in this case, a check valve is necessary.
- This fan should be installed by a qualified electrician.
- Do not operate in temperatures lower than -10°C, or above 60°C.
- Do not use where flammable, hazardous, or explosive materials and/or gases are present.

## Product



## Contents

### [1 INSTALLATION – FAN](#)

### [2 BEFORE FAN INSTALLATION & USE](#)

### [3 SWITCHING/WIRING OPTIONS](#)

### [4 Documents / Resources](#)

### [5 Related Posts](#)

## INSTALLATION – FAN

- Unpack and check fan for damage; ensure that the fan impeller spins freely and not touching fan housing.
- Use a pre-filter on the inlet duct to prevent any excessive dust, oil and other foreign substances from building up on the impeller. Build up of dust and or foreign material can cause an out-of-balance impeller and excessive vibration. Excessive vibration will reduce fan life expectancy.
- Use the appropriate attachment screws for the surface material being selected to mount the fan. Use the supplied mounting bracket or hanger.
- Do not install fan on plasterboard or weak surfaces.
- Do not deform fan bracket or fan housing.
- After completing the installation, electrical work and duct work, perform the test operation to confirm if the fan operates normally.
- After turning the power on the fan should rotate freely and build up speed normally.
- If there is abnormal noise or no rotation, check all connections and check power supply.
- Always install the fan at the height of 2.1m or above.

## BEFORE FAN INSTALLATION & USE

- Always turn off the power or isolate the fan from the power source before connecting or disconnecting the speed control cable to the fan.
- Always turn off the power or isolate the fan from the power source before connecting or disconnecting the speed control cable to the speed controller.
- The speed controller will allow the user to select the desired fan speed of the fan (RPM).
- Selecting different RPM will affect the volume of the air flow and the pressure in the duct.
- The fan may not be operated without the speed controller. In this case the RPM will default to OFF state.
- Do not use near water or other fluid.
- Do not use with damaged plug or damaged cable.
- Do not use near flammable gases or source of heat.

## SWITCHING/WIRING OPTIONS

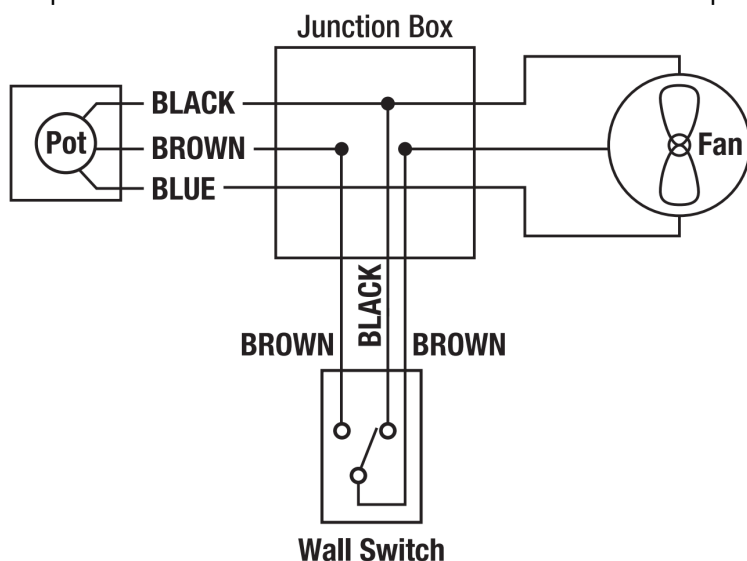
Standard control of Blue Jet uses the included European variable speed controller, with OFF/ON switching. A matching Euro Flush box is also supplied, along with a plug-in 10 meter long control cable. The Blue Jet Fan also comes with a 3-pin lead and plug as standard.



### Continuous Slow Extraction with Manual Boost



Set potentiometer at slow continuous rate and secure the speed controller from tampering in ceiling space.



### OPTIONAL NZ/AUS Wall Switch

for continuous trickle extraction and full-speed boost via fan switch



**Installation Instructions** Specifications are subject to change without notice  
[enquiry@manrose.co.nz](mailto:enquiry@manrose.co.nz) | [www.manrose.co.nz](http://www.manrose.co.nz)

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# MANROSE®

**Documents / Resources**

