



# NALTUBE FANS

## Plastic Cased Centrifugal Fans

### Installation and Maintenance

CE The EMC Directive 2014/30/EU  
The Low Voltage directive 2014/35/EU

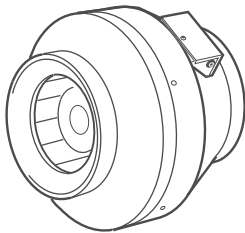
## Introduction

All NALTUBE models shall be suitable for air over motor temperatures of up to 60°C and 95% R.H. (non condensing). The motor and impeller shall be dynamically balanced as an assembly.

Fan casing is manufactured from robust GRP reinforced polyimide, impeller and shutter shall be manufactured UV stabilised, flame retardant ABS polymer.

Do not operate the fan in the presence of inflammable vapours (alcohol etc). When installing the fan into a room containing a combustion appliance, ensure that sufficient air can enter the room to supply both appliances. This is to ensure both correct operation of the fuel appliance and to compensate for air extracted by the fan. The appliance must discharge into a single fume pipe or directly outside.

Fig. 1.



## Code descriptions

### NALTUBE - IOOP

| | |  
1 2 3

1. Centrifugal Tube Fan Range
2. Case Size
3. P = Standard Performance

## 1.0 Handling

Always handle the fans carefully to avoid damage and distortion. Care should be taken to ensure that any slings used for lifting purposes do not damage the casing, connection box, impeller or inlet cone.

## 2.0 Installation

Installation must be carried out by a competent person in accordance with the appropriate authority and conforming to all statutory and governing regulations i.e. IEE, CIBSE, COSHE etc.

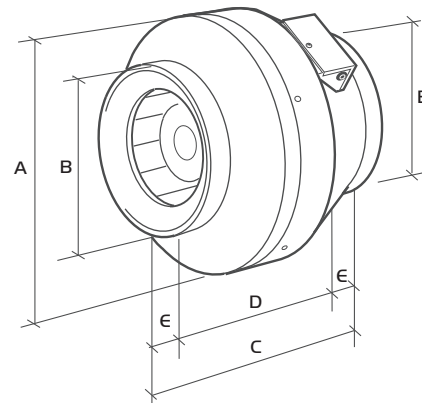
The fan is designed to be installed in any orientation. Note the noise levels given in the table in regard to siting the fan so that the noise level is not harmful to the people who may occupy the area. The use of speed control can increase sound levels.

To fix the fan to a wall or ceiling first choose a suitable mounting position. If using the optional bracket, mark out the fixing hole positions by marking through the fixing bracket holes.

Drill and plug the surface and fix using suitable plugs and screws (by others). The fan is a push fit into the matching bracket which clips over the spigots.

## 3.0 Dimensions (mm) & Weights (kg)

Fig. 2.



Code	A	B	C	D	E	Weight (Kg)
NALTUBE-100P	251	99	230	170	30	2
NALTUBE-125P	251	124	230	170	30	2
NALTUBE-150P	340	149	230	170	30	3
NALTUBE-200P	340	199	230	170	30	3.3
NALTUBE-250P	340	249	230	170	30	3.3
NALTUBE-315P	405	315	275	215	30	5

## 4.0 Technical Data

Fan Code	RPM	Motor Watts	FLC	Breakout @ 3m
NALTUBE100P	2482	29.1	0.171	35
NALTUBE125P	2469	29.2	0.172	38
NALTUBE150P	2418	59.9	0.261	48
NALTUBE200P	2550	107	0.47	45
NALTUBE250P	2546	109	0.476	48
NALTUBE315P	2387	176	0.77	40

### IMPORTANT

Isolation - Before commencing work make sure that the unit, and any control are electrically isolated from the mains supply.

## IMPORTANT

For good EMC engineering practice, any sensor cables or switched live cables should not be placed within 50mm of other cables or on the same metal cable tray as other cables.

Isolation - Before commencing work make sure that the unit, switched live and Nuaire control are electrically isolated from the mains supply.

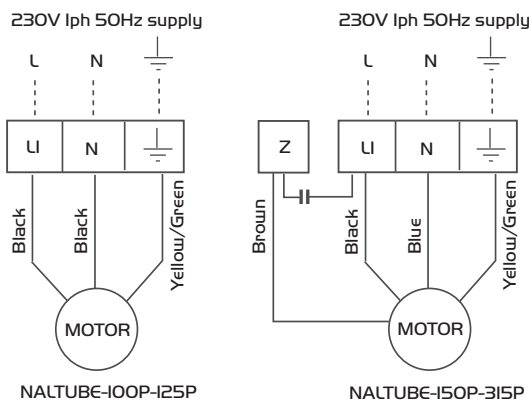
Please note this product must be earthed.

## 5.0 Electrical Wiring

Electrically isolate unit before commencing any work. Ensure that the voltage and frequency of the electrical supply match the information stated on the Rating Plate on the unit. Wire the unit as shown in the wiring diagram.

On connecting the electrical supply ensure that the airflow direction corresponds with the direction of airflow arrow sited on the unit.

Fig. 3.



**Electrical Note:** Because the run and start currents depend upon the duty and associated duct work of an individual unit, the values quoted in the table are nominal. Run currents will be exceeded if the unit is operated beyond the operating curve shown in the performance catalogue.

## 6.0 Maintenance

Electrically isolate unit before commencing any work.

Usage and conditions of use will dictate frequency of maintenance.

We would recommend a through inspection and cleaning three months after commissioning and, dependent in the condition in which the fan is found, at least annually thereafter.

Fans and systems should be maintained in accordance with the HVCA Standard Maintenance Recommendations for Mechanical Services in Buildings' Volume II Ventilation and Airconditioning.

Remove Motor mounting plate and withdraw impeller assembly. Carefully clean rotating parts and check for damage and security of components.

The motor is fitted with sealed for life bearings and does not require any further lubrication.

Refit motor mounting plate.

Do not use a high pressure cleaner (steam jet) or any solvents for cleaning purposes.

Pay particular attention to any build up at the motor ventilating slots.

Do not use solvents or immerse the unit in water. Check all parts for security and general condition.

Check that the impeller rotates freely.

## 7.0 Warranty

The unit has a one year warranty. The warranty starts from the date of delivery and covers faulty materials or workmanship and includes parts and labour.

This warranty is void if the equipment is modified without authorisation, is incorrectly applied, misused, disassembled, or not installed, commissioned and maintained in accordance with the details contained in this manual and general good practice.

The product warranty applies to the UK mainland and in accordance with Clause 14 of our Conditions of Sale. Customers purchasing from outside of the UK should contact Nuaire International Sales office for further details.

## 8.0 After Sales Enquiries

For technical assistance or further product information, including spare parts and replacement components, please contact the After Sales Department.

**Telephone 02920 858 400**

Technical or commercial considerations may, from time to time, make it necessary to alter the design, performance and dimensions of equipment and the right is reserved to make such changes without prior notice.