MULTIFLOW CTF FAN (In-Line Mixed Flow Fan)

FEATURES

The Multiflow CTF is a range of in-line mixed flow fans with a compact profile which offers excellent pressure development characteristics, designed specifically for use with rigid duct or flexible ductwork for a wide variety of residential and commercial applications.

- Integral mixed flow impeller design
- Four popular sizes: 100, 125, 150 & 200 mm
- Air volume flow rates up to 0.233 m3/s
- Static pressures of up to 250 Pa
- Greater pressure capability than axial fans
- Greater airflow capability than centrifugal fans
- IP44-Splash proof
- Suitable for operating temperatures up to 60°C
- Motors are double insulated with built-in thermal overload protection
- CE Marked
- Sealed for life bearings to operate at any angle
- Lower noise levels
- Air performance tested to ISO5801:1997

Range

There are 4 sizes: 100mm, 125mm, 150mm and 200mm and all are suitable for continuous running.

Design Appeal

The compact design means the CTF is ideal where space is at a premium such as ceiling voids and refurbishment projects.

Ease of Installation

CTF fans can be mounted in line or at either end of the ductwork, horizontally or vertically, as well as against walls, ceiling voids and other flat surfaces.

Motor Protection

Double insulated so no earth is required, with thermal overload protection.

Easy to Maintain

All CTF models feature a removable motor and impeller body which ensures easier cleaning without affecting the installation by having to remove the ductwork.

Material Strength

Made from shock proof, heat resistant white plastic, which is durable and non-corrosive.

Safety

IP44-splash proof.

Reliability

Motors have sealed for life bearings.

Warranty

Each CTF unit comes with a 1 year warranty.

Applications

- Shower rooms
- Bathrooms
- Utility rooms
- Residential
- Commercial

TECHNICAL DATA

Model Number	Speed Setting	Fan Speed RPM	Avg dB(A) @3m	CTF.. 1 ph. Amps	Watts
CTF-100	High	2300	42	0.18	30
	Low	1700	36	0.10	18
CTF-125	High	2300	45	0.18	30
	Low	1700	36	0.10	18
CTF-150	High	2700	49	0.36	80
	Low	2000	45	0.27	60
CTF-200	High	2700	50	0.34	85
	Low	2000	41	0.21	55

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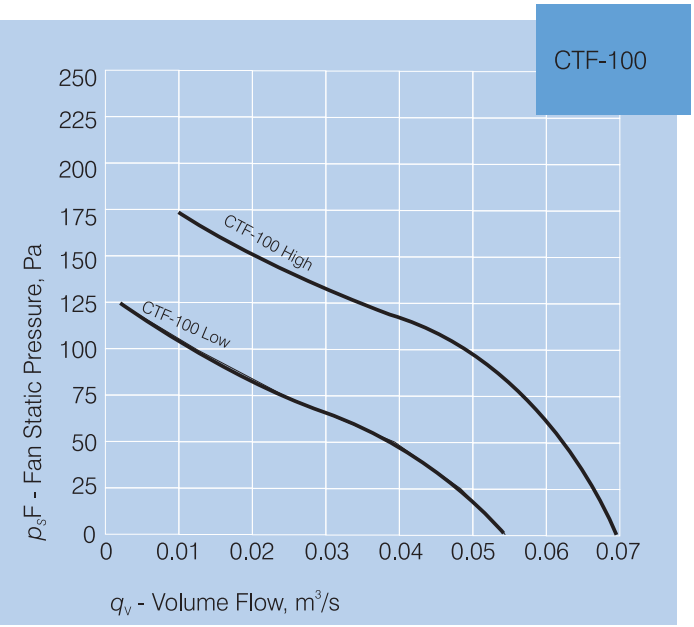
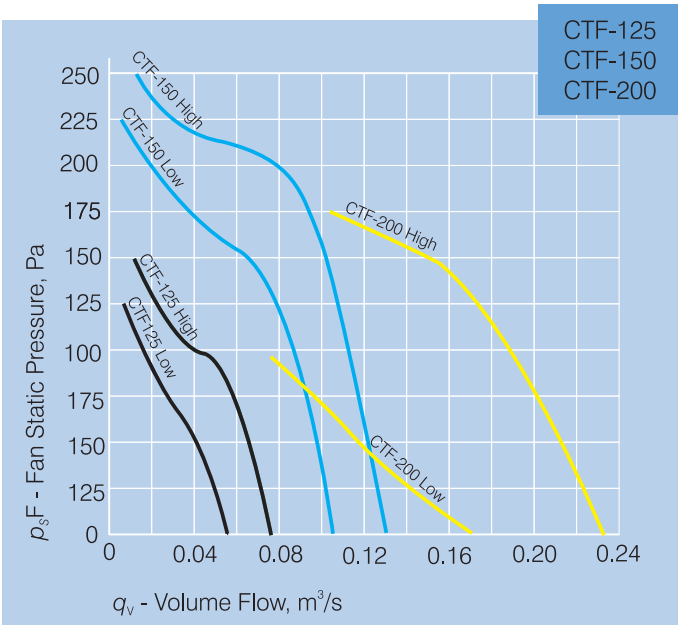
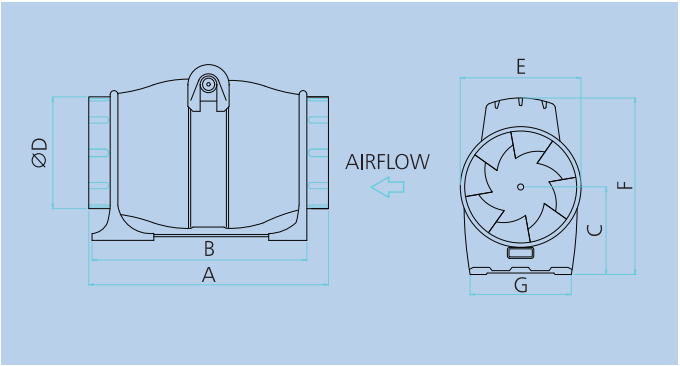
PERFORMANCE DATA





DIMENSIONS



Model Number	Dimensions, mm A	B	C	ØD	E	F	G	Approx. weight Kg
CTF-100	315	235	115	98	180	232	130	3
CTF-125	280	235	115	122	180	232	130	3
CTF-150	294	265	115	147	192	240	130	3
CTF-200	354	265	140	197	230	280	142	4

2.0 INSTALLATION

WARNING- The fan must be isolated from the power supply during installation and maintenance, and must be earthed in accordance with the local regulations.

2.1 Upon receipt, the fan should be visually inspected to check for any damage.

2.2 Check the details on the rating plate to ensure that the correct power supply (voltage, frequency and phase) is available.
An incorrect power supply will lead to permanent damage of the fan.

2.3 Means for electrical disconnections must be incorporated in the wiring installation in accordance with the relevant wiring and electrical regulations.

2.4 To install the fan: -

- Remove the fan body from the spigots that are attached to the base, by releasing the two retaining clamps.
- Mount the base in the desired position using the fasteners supplied.
- Replace the fan body in-between the spigots and tighten the two retaining clamps.

3.0 START-UP

3.1 Before power is supplied to the unit, ensure that the wiring is correct as per the connection diagram.

3.3 Check that the motor amperage draw does not exceed the nameplate rating.

4.0 FAN MAINTENANCE

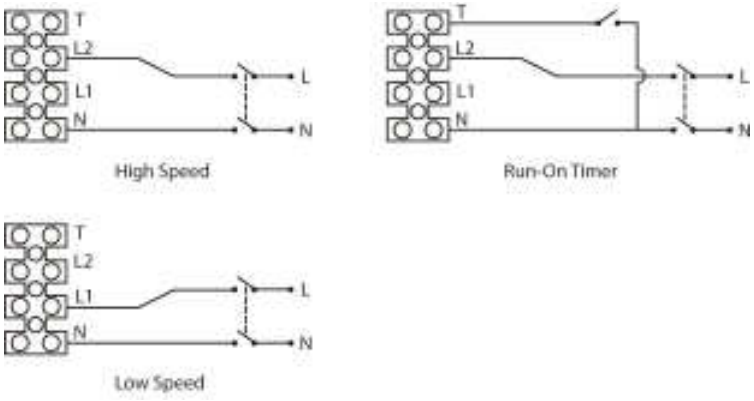
4.1 Inspection of the fan at least once every 12 months is recommended to ensure that the motor, fan blades, and supporting guards, are clean. Any build up of dust and deposit on the blades or guards should be removed using a non-abrasive cleaner.

4.2 All fastenings should be checked for tightness. In addition, all rotating items should be checked.

4.3 Bearings are of the 'sealed for life' type and will not need a detailed inspection.

5.0 WIRING DIAGRAMS

FOR MODEL CTF-100~150



WARNING: -

This fan is fitted with a non self-resetting thermal cut-out which switches the fan off in the event of a fault condition. To reset, turn the power off for one minute, then back on. Do not cover the air inlet and outlet. Only a suitably qualified and competent person may carry out maintenance after the electrical supply has been isolated.

GUARANTEE

HYDOR or its agents will, within a period of 1 year from the date of dispatch from their works, repair or, at its option, replace any goods, which are proven to have defects as a result of defective materials or workmanship. The goods MUST be returned to HYDOR, carriage paid, for examination.

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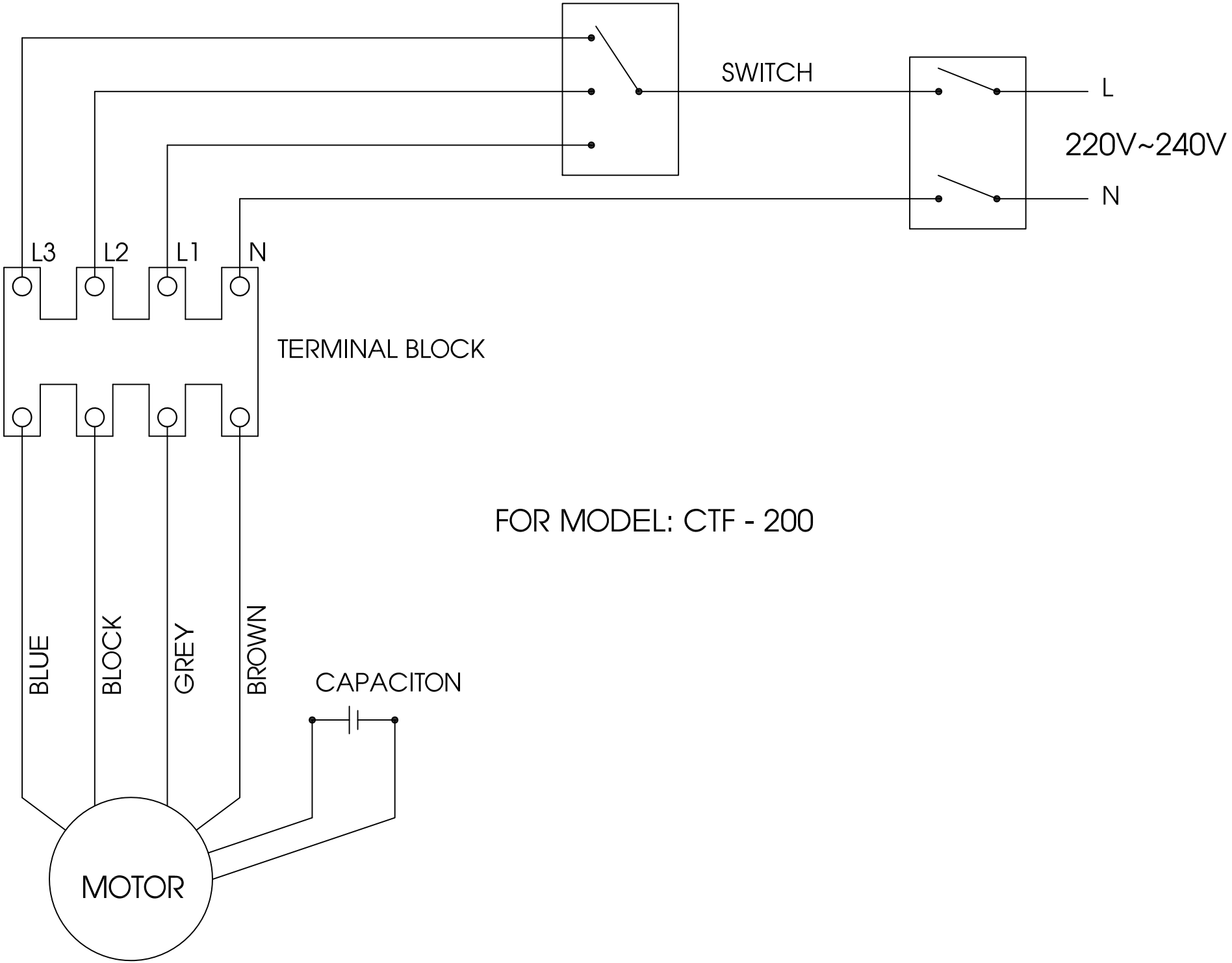
SWITCH
L
220V~240V
N
L3
L2
L1
N
TERMINAL BLOCK
FOR MODEL: CTF - 200
BLUE
BLOCK
GREY
BROWN
CAPACITON
MOTOR