

# ROTOMOLD INDUSTRIAL DRUM FAN

JEFRFANIND24-110 - JEFRFANIND24-230 - JEFRFANIND36-110 - JEFRFANIND36-230



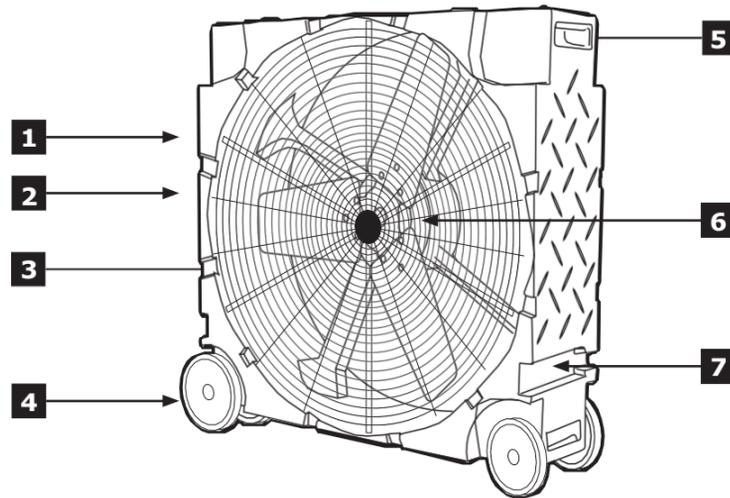
## IMPORTANT SAFETY INSTRUCTIONS

Before using this product, please read this user manual, if you do not understand any of the instructions within, please do not use the product and consult your retailers or the manufacturer. Failure to follow these instructions may result in damage to the product, property and/or cause personal injury to the user or bystanders.

Please read and comply with these original instructions prior to the initial operation of your appliance and store them for later use or subsequent owners. Apart from the notes contained herein the general safety provisions and rules for the prevention of accidents of the legislator must be observed.

**PRODUCT KEY COMPONENT IDENTIFICATION**

1.	Control Panel
2.	Main Cable & Cable Management
3.	Safety Grill
4.	Transportation Wheels
5.	Integral carry handle
6.	Motor & fan blade assembly
7.	Interlocking straps for Overlay use



**GENERAL SAFETY INFORMATION**

DO NOT position the cooler up against the wall and position near any other structure that may restrict the air flow around the unit. Ensure a 1 meter gap is observed around the unit when in use.

Always ensure there is sufficient air flow around the front and back when not in use always remove the unit from the power supply. When removing the plug from the socket always do so by holding and pulling the main body of the plug and NOT the cable.

DO NOT modify this equipment to do tasks other than those intended, this will invalidate your warranty, product approvals and pose a risk to the user, bystanders, and property.

DO NOT use in an enclosed environment. There must be sufficient air flow for the unit to function correctly and perform to its full capabilities.

Never leave the unit running unattended.

DO NOT use the equipment if there is any damage noted on the mains inlet cable. Ensure the mains cable does not present a trip hazard.

DO NOT run the main cable across walkways, paths or in front of doors / doorways. Once the cable has been routed into the desired position please secure. Also consider and avoid sharp edges, water and chemicals when positioning the cable.

Ensure the cable is fully unwound before use.

If the external mains cable is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid hazard.

In some applications it may be necessary to complete a risk assessment and method statement on the use of this product. Please note this is the responsibility of the user to consider all foreseen and unforeseen risks and mitigate where possible.

Reading, understanding and adhering to these user instructions is essential for safe use and sufficient product training.

**CAUTION:** DO NOT use the equipment if there are any signs of damage that may present a hazard in use. If you are unsure seek advice from a qualified person, retailer, or the manufacturer.

**GENERAL SAFETY INFORMATION CONT.**

It is recommended this unit is used with an RCD device.

Ensure your hands are dry when connecting, using, and disconnecting an electrical appliance.

Always make sure the plug fuse and any other circuit protection is of the correct rating, refer to the products rating label. If you are unsure, please contact either the reseller or manufacturer for assistance.

DO NOT leave the unit plugged in and / or running unattended where young children may be able to touch the unit.

Always ensure children are supervised at all times where the unit is used and in operation.

Only use on a flat level surface.

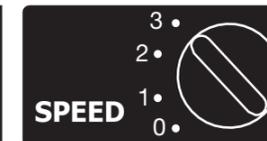
**INSTALLATION AND SET-UP**

Assembly instruction and any other consideration for the safe set-up of the product.

- Remove packaging used to secure product in transit.
- Attach wheels to the bottom of the unit. Pass the axles through the pre moulded holes leaving sufficient axle exposed on either side to secure the wheels.
- Add a wheel on either side followed by a washer and finally secure using the nyloc nuts provided.
- The following tools will be required to complete the assembly requirements – 17mm Spanner
- Attach the unit to the correct power supply, please refer to the products rating label for confirmation. BEFORE turning the power on ensure the Fan Speed switch is positioned to O (off)
- Turn the equipment on by turning the “SPEED” switch dial to 1 to set the fan speed to the lowest setting. To increase the fan speed and therefore the airflow simply turn the speed select switch to 2 or 3.
- To turn off position the speed switch back to 0. It is recommended to switch off and disconnect from the mains supply if the unit is not going to be used for a prolonged period of time.

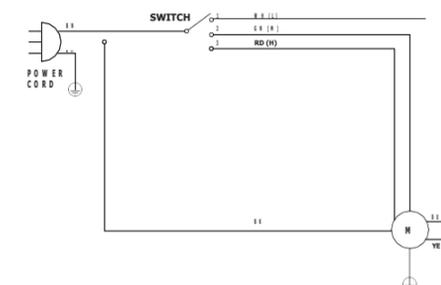
**CONTROL PANEL**

- 0: Off no air flow
- 1: Low Speed setting
- 2: Medium Speed Setting
- 3: High Speed setting



**NOTE:** There is a dedicated earth point clearly identified on the control panel for Class I earth continuity testing

**WIRING DIAGRAM**



**MAINTENANCE, TESTING AND TROUBLESHOOTING**

- To maximise the performance of the Jefferson Romolded Drum Fans, it is suggested to ensure both the front and rear vents are clear of obstruction at all times
- Visually check the outside of the unit and the power cable, including the plug, before every use for any damage.
- The Jefferson Romolded Drum Fan is a Class 1 appliance and therefore must be earth. The earth test point can be located on the front control panel where the earth symbol can be found.



**EARTH SYMBOL**

Fault	Possible Cause	Suggested Solution
No Air Flow	<ol style="list-style-type: none"> <li>1. Unit is not plug in.</li> <li>2. No power to equipment.</li> <li>3. Air inlets blocked</li> <li>4. Faulty fan motor</li> </ol>	<ol style="list-style-type: none"> <li>1. Make sure the unit is plugged in and switched on.</li> <li>2. Check the mains power supply</li> <li>3. Check for obstructions.</li> <li>4. Replace fan motor</li> </ol>

**STORAGE & TRANSPORT**

Correct storage and recommended storage both short term and long term.

- Ensure the product is clean, use a dry using a lint-free cloth to remove any dust or debris from the unit
- Coil the mains cable onto the integral cable management and retain in position for protection.
- Where possible retain and use the original packaging for prolong periods of storage. If this is not possible use a clean cloth or dust sheets.

**ENVIRONMENTAL PROTECTION**

Please recycle any unwanted materials as opposed to disposing them as general waste. It is recommended the original is retained and used to store the product when not in use for prolonged periods of time. If this is not applicable ensure the materials are sorted and recycled in accordance with local regulations.

**SPECIFICATION CHANGE:** It is our policy to continually improve products to ensure these meet the rigours of the industry we serve. Therefore, as such we reserve the right to alter specifications, data and components parts without prior notice.

**WARRANTY:** All Jefferson products come with a 1 year warranty from date of purchase, proof of which will be required in the event of any claim.

**IMPORTANT:** No liability will be accepted for the incorrect use of this product.

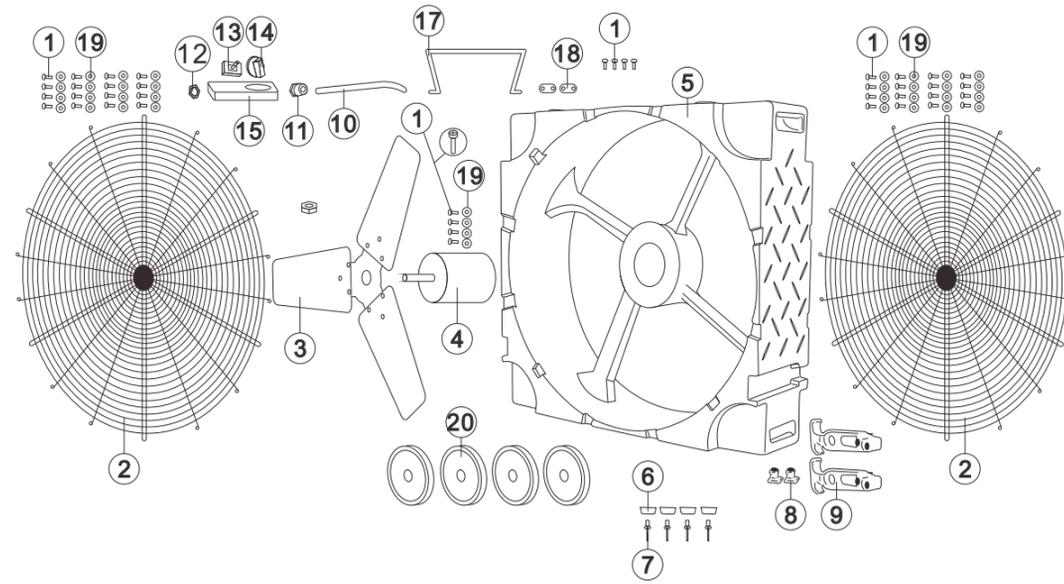
**SPECIFICATION**

**SPECIFICATION DATA TABLE**

Model:	JEFRFANIND24-110	JEFRFANIND24-230
Power Supply (V):	110VAC 50Hz	230VAC 50Hz
Power – Motor (W):	157	185
AMP:	1.5A	0.81A
Air Volume (m <sup>3</sup> /h):	9700	11700
Speeds:	3	3
Fan Diameter:	600mm - 24"	600mm - 24"
Max RPM:	1040	1240
Size (mm) WxDxH:	690 x 250 x 710	690 x 250 x 710
Noise (dBA):	≤81	≤81
Weight (kg):	15	15
Fan Type:	Axial	Axial
Cable Length:	3 Metres	3 Metres
Control Interface:	Manual Controls	Manual Controls
Overlay Use:	2	2
Weight:	15kg	15kg

Model:	JEFRFANIND36-110	JEFRFANIND36-230
Power Supply (V):	110VAC 50Hz	230VAC 50Hz
Power – Motor (W):	260	294
AMP:	2.4A	1.21A
Air Volume (m <sup>3</sup> /h):	15100	16200
Speeds:	3	3
Fan Diameter:	900mm - 36"	900mm - 36"
Max RPM:	600	690
Size (mm) WxDxH:	975 x 320 x 1005	975 x 320 x 1005
Noise (dBA):	≤76	≤80
Weight (kg):	26.5	26.5
Fan Type:	Axial	Axial
Cable Length:	3 Metres	3 Metres
Control Interface:	Manual Controls	Manual Control
Overlay Use:	2	2
Weight:	26.5kg	26.5kg

**EXPLODED DIAGRAM**



Item	Description	QTY
1	Screw	40
2	Grill	2
3	Fan blade	1
4	AC motor	1
5	Housing	1
6	rubber foot	4
7	Rivet	1
8	Buckle Pole	2
9	Buckle	2
10	Power Cord	1
11	Nut,Hex	1
12	Strain Relief tight	1
13	Switch	1
14	Switch Knob	1
15	Switch box	1
16	label	1
17	Winding Bracket	1
18	Bracket Fixing pad	2
19	Flat washer	36
20	Wheels/caster	4

**EC Declaration of Conformity**

We, Jefferson Professional Tools & Equipment, as the authorised European Community representative of the manufacturer, declare that the following equipment conforms to the requirements of the following:



EMC Directives 2014/20/EU	EN 55014-1:2017+A11:2020 EN61000-3-2:2019	EN IEC 55014-2:2015 EN61000-3-2:2013+A1:2019
---------------------------	--	---

**Notified Testing Body:**

SGS-CSTC Standards Technical Services  
Co., Ltd. Beijing Head Office  
A-16/F Century Yuhui Mansion  
No.73 Fucheng Road, Haidian District, 100142

**UKCA Declaration of Conformity**

We, Jefferson Professional Tools & Equipment, as the authorised UK Community representative of the manufacturer, declare that the following equipment conforms to the requirements of the following:



Electrical Equipment Safety Regulations 2016	EN 60335-2-80:2003+A1:2004+A2:2009 EN 60335-1:2012+A11:2014+A13:2017+A1:2019:A14:2019+A2:2019 EN 62233:2008
--	---

**Notified Testing Body:**

SGS-CSTC Standards Technical Services  
Co., Ltd. Beijing Head Office  
A-16/F Century Yuhui Mansion  
No.73 Road, Haidian District, 100142

**Product Codes:**

JEFRFANIND24-110 JEFRFANIND24-230  
JEFRFANIND36-110 JEFRFANIND36-230

**Signed:**

Stephen McIntyre  
Operations Manager

**Date:**

23rd January 2024

**Name and address of manufacturer or authorised representative:**

**Jefferson Professional Tools & Equipment**  
24 Lisgorgan Lane,  
Upperlands,  
BT46 5TE

Tel: +44 (0)1244 646 048 (UK)  
+353 (0)1473 0300 (ROI)

Email: info@jeffersonstools.com



**Jefferson<sup>®</sup>**  
PROFESSIONAL TOOLS & EQUIPMENT

Jefferson Professional Tools & Equipment  
24 Lisgorgan Lane, Upperlands, BT46 5TE

Tel: +44 (0)1244 646 048 (UK)  
+353 (0)1473 0300 (ROI)

Email: [info@jeffersonstools.com](mailto:info@jeffersonstools.com)

**INDUSTRIAL**

[www.jeffersonstools.com](http://www.jeffersonstools.com)