

TI60**ORIGINAL
INSTRUCTION MANUAL**

Dry Collection

READ THIS INSTRUCTION MANUAL BEFORE USING THIS APPLIANCE

SERIAL No:

(To be completed by user)

**TI60CF 4kW 400V 3PH 50Hz 55 64010 00****TI60CFA 4kW 400V 3PH 50Hz 55 64012 00**

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IMPORTANT USER INFORMATION

IMPORTANT - PLEASE READ THESE INSTRUCTIONS CAREFULLY



WARNING - OPERATORS SHALL BE ADEQUATELY INSTRUCTED ON THE USE OF THESE VACUUM CLEANERS.



This BVC Medium Duty Vacuum Unit is designed to handle a wide range of dry cleaning and debris collection operations in industrial areas.

CAUTION

This vacuum cleaner must not be used for the collection of health endangering, flammable or explosive materials. Nor must it be used or stored outside in wet conditions, i.e. outside in the rain, swimming pools etc.

Hearing protection should be worn when operating or when in close proximity to the operating vacuum cleaner. A Risk Assessment should be undertaken to determine if further PPE is required due to the nature of the product being collected and the area in which vacuuming is taking place.

This machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.

PREPARATION FOR USE

Unpack and identify each item of equipment against the packing note.

Check that the details given on the rating plate are in accordance with your electricity supply.

ELECTRICAL SUPPLY

WARNING - THIS APPLIANCE MUST BE EARTHED

The electrical connections of these machines must be carried out by a competent electrician. The wires in the mains lead of this cleaner are coloured in accordance with the following:

1 Green & Yellow

2 Blue = Neutral (N)

3 Brown = Live (L)

The machine is fitted with a 4 core cable, 3 cores (one for each phase) and 1 core for earth.

As the colours in this mains lead may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured green and yellow must be connected to the terminal which is coloured green and yellow or marked with the letter E or the Earth Symbol

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

When wired to the plug/supply, but before use, the rotation of the exhaustor must be checked. Switch on momentarily and check the rotation shown by the arrow. If the direction of rotation is incorrect, interchange any two of the phase connections. Ensure all 3 phase sockets are wired to maintain correct direction of rotation.

NORMAL USE

STARTING

Operate the start button. Connect required hoses to the inlet on the bin.

IN USE

Take care to keep clear of the hose end and the material being collected at the intake. Use the locking bar to prevent accidental release of the collection drum when moving the vacuum unit.

STOPPING

Ensure that the collection hoses are free from any product, then press the stop button

REMOVAL

To lower the drum, stand behind the cleaner, pushing the handle down slightly and lift the catch. The handle will rise and the drum will decent to the ground. The rum can now be rolled away from the cleaner on its own castors.

To replace the drum, ensure the handle is in the raised position and push the drum back against the support pins. Raise it by pulling the handle down until it engages under the catch.

HOSES AND ACCESSORIES

This machine is supplied with hose(s) and accessories to the customer's individual requirements from the BVC range. Contact BVC sales for information and advice if further items are required.

DO & DO NOT

DO

1. Check the mains lead and plug frequently for damage.
2. Have a competent person check for electrical safety at least once a year or more frequently if used in an arduous environment.
3. Periodically check the electrical continuity of the antistatic earthing wire in the collection hose
4. Periodically clean the filter sleeves by using the filter manual shaker . This should be carried out with the exhaustor off and the collection bucket fitted.
5. Ensure that the collection bucket fitted under the filter is emptied regularly and is not allowed to become completely full. The collection bucket and contents may be very heavy and should be lifted appropriately.
6. Keep trailing leads tidy, flat on the floor to avoid a trip hazard
7. Tie back long hair and loose clothing when operating this vacuum cleaner.
8. Be careful when moving/operating on slopes use the locking devices on the castors as the unit may 'run away' when in use.
9. In the event of an accident or breakdown, disconnect the vacuum cleaner from the supply by removing the plug from the socket and contact BVC for repair. (Please empty and clean the machine). Contact BVC Service Department, who will arrange a suitable company for collection.

DO NOT

1. Pull the machine along by the mains lead.
2. Use for the collection of High Hazardous dusts.
3. Use for the collection of Medium or Light Hazardous dusts without the correct collection bag.
4. Use with flammable or explosive dusts.

CARE & MAINTENANCE

ALWAYS DISCONNECT MACHINE FROM ELECTRICAL SUPPLY PRIOR TO CARRYING OUT MAINTENANCE.

BEARINGS

The BVC exhauster has pre-greased bearings which require little maintenance. The non drive end bearing is sealed and will need no maintenance. The drive end bearing should be inspected every 6 months for excessive play.

BELTS

Slacken motor support, lightly tension the belt so that any sag is removed, ensuring the ribs are a snug fit in the pulley grooves. Mark two lines on the back of the belts, 200mm apart. Tension the belt carefully, rotating drive slowly until distance between two lines has increased by 1.0mm (i.e. 0.5% increase). Ensure platform adjustment is fully locked. Re-check after 24 hours if a new belt is fitted.

To avoid excessive belt wear, ensure that:

1. Pulleys are not offset
2. Shafts are parallel
3. Shafts are in the same plane.

HEPA (if fitted)

A HEPA filter is fitted between the centrifugal exhauster and the clean side of the filter separator to provide a secondary level of protection, this will prevent ingress of product into the exhauster.

NOISE EMISSION

Sound power level LwA 81dB(A) plus level of uncertainty KwA 2dB(A), Sound Pressure Level LpA 80dB(A) plus level of uncertainty KpA @ 1M free field conditions in accordance with 60335-2-69:2012 Annex EE Noise Test Code.

WEIGHT (Empty)

380kg machine only

FILTER CLEANING

TI60 WITH FILTER BAG

1. Electronically isolate the machine prior to maintenance
2. Access to the filter bag is by removing the head, which is held in position by two toggle clips
3. To maintain efficient collection, the filter bag should be removed and cleaned by brushing/vacuum cleaning.

TI60 WITH CLEAR FLOW FILTER

1. The clear flow filter may be cleaned on the machine by switching the machine off, operating the filter shaker approximately 10 times and allowing the dust to settle.
2. The clear flow filter may be periodically removed for cleaning if required by brushing/vacuum cleaning.
3. To access the clear flow filter, remove the head, which is held into position by the two toggle clips.

TI60 WITH HEPA FILTER

No maintenance can be carried out on the HEPA filter other than replacement.

WET PICK UP

(Can be used with swarf basket and stand)

The vacuum cleaner contains a float valve that automatically closes when liquid reaches a predetermined level in the tank. This is indicated by a change in sound of the vacuum cleaner and cessation of pick-up. The cleaner should be turned off when the float valve operates.

1. The float valve assembly must always be used when collecting liquids to prevent entry of liquids into the motor
2. Do not leave hose end immersed in liquid being collected. Ensure that air is entrained as well as liquid (this helps prevent a whirlpool action of the liquid in the collection bin)
3. Frequently check the float valve is clean and free to operate.
4. CAUTION The vacuum cleaner should be switched off immediately if foam or liquid is discharged.

UK/EC DECLARATION OF CONFORMITY

(INDUSTRIAL VACUUM CLEANERS)

Manufacturer: - Quirepace Ltd, Pennant Park, Fareham, Hants, PO16 8XU

Authorised Representative: - Headlands Consulting Limited, Carrow Castle, Geevagh, Boyle, Co Roscommon, F52 FC89, Ireland

We QUIREPACE LTD DECLARE UNDER OUR SOLE RESPONSIBILITY THAT THE PRODUCT (S) DESCRIBED BELOW: -

TI80DCF	7.5kW 400V 3PH 50Hz	55 63688 00	Serial No:	AB
TI80DLCF	7.5kW 400V 3PH 50Hz	55 63662 00	Serial No:	AA
TI80DLCF	15kW 400V 3PH 50Hz	55 63655 00	Serial No:	AC
TI60CF	4kW 400V 3PH 50Hz	55 64010 00	Serial No:	BA
TI60CFA	4kW 400V 3PH 50Hz	55 64012 00	Serial No:	BB

To which this declaration relates is/are in Conformity with the following Standards or other normative documents: -

BS EN 60335-1:2012+A15:2021

Household and similar electrical appliances.
Safety - General requirements.

BS EN 60335 - 2 - 69: 2012

Particular requirements, for wet and dry vacuum cleaners,
including, power brush for industrial and commercial use.

BS EN 61000 - 6 - 4: 2019

Electromagnetic compatibility (EMC) - Generic standards.
Emission standard for industrial environments

Following the provisions of the directives: -

Machinery Directive 2006/42/EU

Low Voltage Directive 2014/35/EU

Electromagnetic Compatibility Directive

2014/30/EU



G Hall / M Brown

Senior Engineers



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DATE 15/05/2023