



TF 18 EL E87 264 05



TF 18 EL (4.5/9/18 kW)

Part no.: E87 264 05

Complete with air distributor.

For maximum safety please read the safety instructions that accompany every machine.

Please read the user instructions before you start using the machine.

Make a note of the following:

Serial number: _____

Purchase date: _____

The machine is intended for drying and heating buildings where there is a need for temporary heating, drying or air circulation. The machine is connected to a distribution box with a residual current device.

Machine data

Machine dimensions

H incl. air distributor	2,150 mm
H excl. air distributor	1,260 mm
W	530 mm
D	660 mm
Weight	70 kg
Noise level	65 dB (A)

Motor and air system

Nominal voltage	230 V, 50 Hz
Power	0.58 kW
Nominal current	2.43 A
Max. fan rpm	1,340
Air flow	2,300/1,700 m ³ /h

Electrical

Mains supply	2 x 3-phase 16 A, 400V
Electric heaters	6 x 3 kW
Nominal voltage	400 V
Enclosure class	IP 44

Setting up and disconnecting

Setting up

Position the TF 18 EL in an area that is as central as possible.

Position the machine so that the air intake is not obstructed. Minimum distance from wall is 0.5 m. Release the air distributor and stretch it out using the springs provided.

Connecting to power supply

The machine must be connected to a 3-phase, 400 V, 16 A supply with a residual current detector. The left socket supplies 9 kW plus the fan and control circuits. The right socket supplies a further 9 kW. The machine can be operated with power supplied to the left socket alone, or to both sockets.

To switch on the machine, turn the power switch.

The air distributor is stabilized most quickly by starting at max. fan speed.

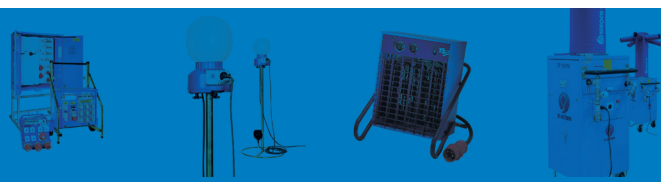
The maximum temperature is obtained by turning the thermostat knob fully clockwise. The thermostat has a working range of approx. 8–32°C.

Disconnecting

Turn the power switch anticlockwise to switch off the machine. Then unplug the power cable.

Fold up the air distributor and secure it in the collapsed position.

The machine can now be moved.



Power Light Climate

EL-BJÖRN

Product description

The TF 18 EL consists basically of a powder-coated steel chassis, wheels and air distributor.

Inside the chassis are electrical heaters, a fan and replaceable filter.

The TF 18 EL draws in air through the vent on the side of the machine. The air is then led through the fan and then past the electric heaters, which heat the air.

Finally, the air is forced out through the air distributor.

To get the best drying and heating results the machine should be placed as close as possible to the centre of the premises where heating is required. The machine has two fan speeds. The lower setting is intended to give a higher air temperature when starting up in cold spaces.

The machine is connected to one (9kW) or two (18 kW) 16 A sockets. It is very important that the machine runs continuously to achieve the best drying and heating results. två (18 kW) 16A uttag.



1. Air distributor
2. Lifting lugs
3. Handlebar
4. Power switch and thermostat knob
5. CEE 16 A socket, the one on the left is the main socket
6. Electric heaters
7. Fan
8. Filter

Operation and control

Setting the air temperature:

The maximum temperature is obtained by turning the thermostat knob fully clockwise.

The thermostat has a working range of approx. 8–32°C.

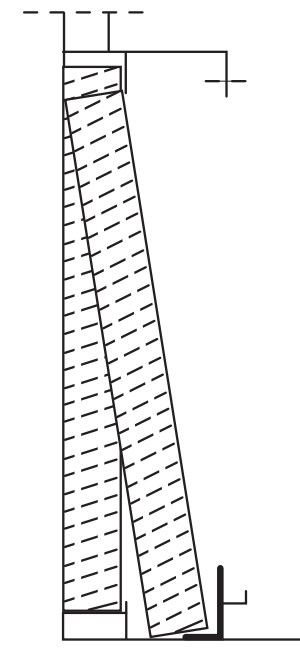
Resetting the thermal cut-out:

The thermal cut-out is reset by pressing the RESET button on the control panel.

If the alarm is triggered repeatedly check the filter and air distributor.




Filter replacement:

Replace the filter around every 4 weeks. Turn off the machine and disconnect the power cable(s). Open the door and replace the filter. Close the door and reconnect the power cable(s). Switch the machine back on.



REPLACING THE FILTER
Slide the filter gently upwards and prise it over the lip.

Power switch

Setting	Faan speed	Power in kW from socket	
		Left	Left+Right
0	Off	0	0
	Low	4,5	4,5
	Low	9	18
	Full	9	18

Safety precautions

1. The fabric air distributor must be fitted with the springs in place.

This is to ensure that the machine and distributor do not overheat when shutting down suddenly after operating at full power. Similarly, the machine should not be operated without the air distributor in place.

2. Keep the working area clean.

Untidy working areas and machines increase the risk of accidents.

3. Lock the machine's wheels.

Lock the wheels so the machine cannot roll away.

4. Residual current detector

Connect the power cable(s) to a distribution box with a residual current detector and a 16 A fuse.

5. Never open the inspection door during operation.

Always disconnect the power before you open the door.

6. Do not mishandle the power cable.

Do not jerk the power cable out of the power socket. Do not subject it to high temperatures, oil or sharp edges.

7. Look after the machine carefully.

Keep it clean. Check the electrical distribution board and power cables whenever you start up or disconnect the machine. Replace defective parts.

8. Using extension cables.

Only use cable that is approved and labelled for outdoor use.

9. In an emergency.

Turn off the power at the power switch or pull out the power cable(s).

10. The machine gets hot.

The top of the machine gets hot (80°C) during normal operation.

NOTE!

The machine is solely intended for drying and heating premises on a temporary basis. All other uses are prohibited.

When you use electrical equipment you should always follow basic safety precautions to reduce the risk of fire, electric shock, burns or other personal injury.

Read the instructions before you switch on the machine and then save the instructions to ensure safe operation.

Looking after the machine

Warning!

To eliminate the risk of injury, always disconnect from the electricity supply before carrying out any service work.

The following points should be checked by the operator.

- Keep your machine in good condition by looking after it regularly.
- Always check the main functions of the machine before using it.
- Check the electrical connections, electrical distribution board and any joining cables.
- Check that there are no loose screws and that all the parts are fitted correctly.
- Make sure there are no defective parts that could affect safety.
- If any unusual sounds or vibrations occur, switch off the machine immediately and make sure the fault is rectified before switching the machine on again.
- Replace the filter every 4 weeks in continuous operation or when the filter is clogged and there is a significant reduction in air flow.
- Never use a damaged machine.
- Always mark a faulty machine with a sign saying "not to be used" until it has been repaired.

Cleaning

- Always replace the filter after use.
- To clean the exterior, use a mild detergent solution and a damp cloth.
- Blow dust out of the interior of the machine using air, and then wipe with a damp cloth.
- Never use any solvents near the machine that are flammable or present a fire hazard.

NOTE!

All repairs to electrical components must be carried out by a suitably qualified electrician.

Transport and storage

Secure the air distributor before moving the machine. The machine can then be moved. The machine must be anchored to the vehicle during transport.

When the machine is not in use it must be stored dry indoors.

Troubleshooting

The machine will not start

- Check that the fuses on the nearest electrical distribution board are OK.
- Make sure the thermal cut-out has not tripped.
- Make sure the power cable is connected to the left CEE socket.

The machine does not blow out enough air

- Check the filter to make sure it is not clogged.

There is no hot air

- Set the heater control to max.
- Make sure the thermal cut-out has not tripped.

Scrapping

When the machine is scrapped all the parts must be sorted and sent to an appropriate recycling centre.

Guarantee

Each TF 18 EL is carefully checked and tested before it leaves the factory. If a fault should occur, please return the complete machine, freight-paid, to **El-Björn, Depågatan 8, SE-334 21 Anderstorp, Sweden.**

If examination shows that the fault is due to poor workmanship or a material defect, the machine will be repaired at no cost to the customer and will be returned to the customer freight-paid. The guarantee on the machine applies for one year from the date of purchase. This guarantee does not apply if:

(1) repairs or attempts at repair have been carried out by anyone other than El-Björn AB or an appointed service workshop; (2) repair is requested on the grounds of normal wear; (3) the machine has been mishandled or been involved in an accident; (4) faulty treatment is obvious, or if faults have been caused by overloading the machine beyond its rated capacity or connecting it to a mains supply other than that specified; (5) the machine has been used after partial damage has occurred; (6) the machine has been used with an incorrect accessory.

No other guarantee, written or spoken, will be recognized.

General Conditions NL 92 for the Supply of Machinery and other Mechanical, Electrical and Electronic Equipment apply otherwise.

“SERVICE BULLETIN

To ensure long life the electrical connections in the electrical box should be re-tightened after four weeks of use. This applies especially to the contactors



EG-försäkran om överensstämmelse EC/EEA Declaration of conformity

Här med försäkras att materialslag
Herewith declares that the type of equipment
Elektrisk värmefläkt / Fan heater

Typbeteckning/Modell nr
Type designation(s)/Model no(s)
TF50HV*, TF30HV*, TF18EL*

överensstämmer med bestämmelser i följande EG-direktiv
is in conformity with the provisions of the following EC directive(s)
93/68/EEG/CE-märkningsdirektivet
73/23/EEG/Lågspänningsdirektivet
89/336/EEG EMC direktivet

och att följande standarder och/eller tekniska specifikationer är tillämpade
and that the following standards and/or technical specifications have been applied

Standard
EN 60 335-1:2002 och A11
EN 60 335-2-30:2003

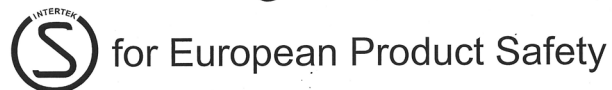
Certifikat
SEMKO 408949
SEMKO 408949

Beträffande
Elsäkerhet
Elsäkerhet

Denna produkt är CE-märkt
This product is CE-marked in
2004


Bo Eriksson, Utvecklingschef
Anderstorp 2005-02-11

Certificate



Reference No. 408949

Fan heater

Type designation TF50HV-...-, TF30HV-., TF18EL-..

Certificate holder
EI-Björn Electro AB
Box 29
SE-334 21 Anderstorp
SWEDEN

The product complies with
the standard(s) EN 60335-2-30:2003
EN 60335-1:2002 + A11

Date of expiry 27 September 2009

EU Directive information The products satisfy the provisions for CE marking according to the Low
Voltage Directive 73/23/EEC and 93/68/EEC.


Terms in Intertek Semko's Agreement on certification. Additional information in Appendix.

Certification Body Intertek Semko AB, Product Certification Place Kista - Stockholm

Signed

Alve Nilsson

Date 27 September 2004

	POSITION	ANTAL	BENÄMNING	FABRIKAT	TYP	E-NUMMER	DATA	
1	X01-X02	2	CEE-INTAG	ABB-CEWE	416BS6	E 19 633 33	5-POL 16A	
2	S01	1	VRIDSTRÖMSTÄLLARE	GOTAK (OEM COMP.)	640 323 (17060)		1-POL 4-LÄGES	
3	K01-K02	2	KONTAKTOR	ALLEN BRADLEY	100-C09KF10	E 32 840 04		
4	H01	1	SIGNALLAMPA	TELEMECANIQUE	XB5-AVM4(MED LEDLAMPA)		RÖD 230V	
5	E01	1	ÖVERHETNINGSSKYDD	EGO	97.55325.432		3+1-POL 230V	
6	E02	1	TERMOSTAT	EGO	55.13002.490			
7	E03	1	RÖRELEMENT	BACKER BHV AB			30 ohm	
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
Denna ritning är EI-Björns egendom. Ritningen får ej kopieras eller visas utan vårt medgivande.			<div><div>Box 29 S-334 21 Anderslarp Sweden Tel +46(0)371-588700 Telefax +46(0)371-9814</div></div>		APPARATLISTA TORKFLÄKT TYP TF18EL		OFFERTNUMMER	
							RITINGSNUMMER TF1801A1	
							HANDLAGGES AV BE	
							DATUM 040804	
		RITAD AV B.L.		FORTSBL				

