

BTE 27aFe BTE 27aT

OPEN FIELD DEGAUSSERS

- BTE 27aFe - Ferric Audio Cassettes IEC Type I
165 per first hour
- BTE 27aT - Audio DAT Cassettes
55 per first hour



- UKAS Test House Safety approved
- Easy operation

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Weircliffe.com*

Flat Bed units have changed little since Weircliffe introduced their first units in the 1960's. The desire for economy of purchase without sacrificing performance, requires a balance of features. Units in our unshielded range, tackle this head on.

Magnetic media is not identical across the differing sizes of cassettes and discs, one variant is their COERCIVITY NUMBER. For example, the in-car cassette is a "soft" to erase media as it carries with it a low coercivity number of 270-350 Oe.

The BTE27aFe erases ferric audio cassettes, with adequate quality of erasure but without the shielding offered by our steel-screened units.

The BTE 27aT is a more powerful machine, which can erase, as well as the ferric and chrome audio cassettes, also IEC Type IV Metal, data diskettes and audio DAT 1500 Oe cassettes.

The volume per hour has been obtained by testing for an hour, inclusive of the duty cycle, by a member of our staff, at 25 degrees Celsius ambient temperature with 230v supply input.

As with all our product, we seek to ensure that you are safe when operating with a Weircliffe. We provide you with a copy of the Test House Certificate from ERA Technology (now I.T.S. SEMKO UK LTD.) We would recommend that you consult with your medical practitioner should you have any type of electronic implanted device fitted, before using this Degausser.

BTE 27aFe



BTE 27aT



OPERATION BOTH UNITS ABRIDGED - A FULL MANUAL IS SUPPLIED WITH EACH UNIT

At this lower end of our product listing, we have considered the operation of our unshielded product in some detail.

Whatever the format, basic operation consists of depressing and holding closed the white push switch, which will activate the magnetic field when connected to a supply. The operator is required to slide cassettes across the top platen, taking approximately 3 -5 seconds. Then repeat the process after turning over and rotating the cassette 90 degrees, as described in the instruction document provided with the model.

Model	Product Dims in mm	Nett Weight	Media Oe	Depth of erasure	Rated current	Shipping Information
BTE 27aFe	L 204 W150 H 72	3.2Kg	375 Oe	-78 dBR	2.5 A	L 305mm W 230mm H 125mm 4.3Kg
BTE 27aT	L 204 W150 H 72	3.2Kg	675 Oe	-83 dBR	3.0 A	L 305mm W 230mm H 125mm 4.3Kg

WEIRCLIFFE DEGAUSSERS & ELECTROMAGNETIC FIELDS

Human exposure guidelines

The International Commission on Non-Ionising Radiation Protection (ICNIRP) is an independent international scientific advisory body allied to the World Health Organisation. Its guidelines for the restriction of human exposure were published in 1998. These guidelines form the basis of a European Directive which limits occupational exposures to electromagnetic fields and which are expected to be implemented in UK legislation by 2008.

Directive 2004/40/EC of the European Parliament and of the Council. This Directive specifies Exposure Limits and Action Values for occupational exposures to electromagnetic fields. Pending the implementation of the new Directive, the UK does not have any specific legislation on occupational exposures to electromagnetic fields. The National Radiological Protection Board (NRPB), the Government's statutory advisor, has recommended that the UK adopt the ICNIRP exposure guidelines, which, for occupational exposures to low frequency magnetic fields, are essentially the same as the levels in the Directive. The Health and Safety Executive expect an employer to show "good practice" by following NRPB advice. This means that, effectively, the levels specified in the new Directive are also the ones to which an employer currently should work.

For the frequency of operation of the Weircliffe degausser (50 Hz), the relevant Exposure Limits are on the electrical current induced in the body by a magnetic field. It is of course very difficult to measure current flow in the body in a typical working environment. For this reason, Action Values have been set, for both public and occupational exposure. The Action Values are measurable magnetic flux densities that, if not exceeded, will ensure that the Exposure Limits are not exceeded. It is not always the case that if the Action Value is exceeded then the Exposure Limit is exceeded. When the Directive is implemented in UK legislation, compliance is likely to be mandatory. A pictorial image at the rear of the operator manual displays the "safe area" distance for compliance to both the Public Reference level of 100- μ T, and the 500- μ T levels, this being considerably closer. (*Public level exposures are not within the remit of the EU directive*)

Personnel, if fitted with electronic implants (pacemakers), should have received specific instruction regarding electromagnetic equipment such as a degausser and any queries should be addressed to their Medical Practitioner.

We offer user choice of a range of shielded low radiation products, comprising the BTE 100SP, BTE 120, BTE 200 series, BTE 210SP, BTE 215SP, BTE 220 & 220M, BTE 300 series and BTE 500 series - all designed to limit flux density at the external surface. The normal operator recommended position being detailed for each product based on information obtained by third party evaluation.

We will continue to manufacture "Open Field Products" - BTE 1 and 1T, BTE 2, BTE 16aM and 16aT, BTE 27a and 27aT, BTE 28a and 28aS, BTE 29aM and 29aT and, to special order only, the "classic model" 8. The Directive applies to the exposure of people and not emissions from devices within a particular work environment. The exposure levels from one device, such as that of a Degausser may be added to those from other sources and the whole (summed) exposure compared to the levels of the Directive. Product may include pictorial and abbreviated multi-lingual instructions printed on the unit and these are reproduced in the Instruction Manuals in English, German, French, Italian and Spanish when practicable Please state voltage, frequency and or country of operation when ordering. Products are delivered complete with Power Cord and with the Connector appropriate to the country of destination. Weircliffe ordering codes suffix the product number with K, E, U ; thus 230V 50 Hz with UK BS 1363A connector is K, 230V 50 Hz with European "Schuko" CEE 7/7 connector is E, 120V 60 Hz with USA NEMA 5 - 15 connector is "U". Additional codes are used for alternative supplies and connectors.

Weircliffe offers a complete repair, upgrade and calibration facility on its entire range of units, and endeavours to support its products consistent with parts availability for 10 years. Weircliffe operates an Environmental recycling policy, which may entail the reuse of some outer packaging materials. Waste from our manufacturing plant is sorted and sent for reclamation.

Warranties and Liability (extract)

The Seller warrants that the goods will correspond to the description given to them at the time of despatch. All other warranties, conditions or terms relating to fitness for purpose, merchantability or condition of the goods and whether implied by statute or common law or otherwise are excluded. The Seller will, at its own expense and at its own discretion, for a period of 18 months from despatch of the goods to the original Buyer, repair or replace any defective goods (fair wear and tear excepted and providing always that the equipment is operated as specified in the documentation supplied with the unit) and pay for the cost of transport to and from the original delivery address for the purposes of repair or replacement of the goods. The seller shall not be liable for any default due to any act of God, war, strike, lockout, industrial action, fire, flood, drought, tempest, or other event beyond reasonable control. Our conditions of Sale are available on request and are provided in full at time of first order.

The data, information, and specifications for the product(s) described herein are subject to change without notice. Models described in Weircliffe catalogues and elsewhere, are subject to a continuing process of technical change and development. Weircliffe International Ltd therefore reserves the right to alter specifications without notice at any time before delivery. All descriptions, illustrations, specifications, and dimensions are approximate and are intended only to present a general guideline. All Weircliffe products are trademarks or registered designs of Weircliffe International Ltd.

Tape format logos not to scale. E & OE. The dBR reference figures measured are according to standard Weircliffe test procedures.

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