



***This Confirmation of Product Type Approval is valid only as  
of 13/OCT/2008 for the below listed product.***

Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product.

This is to certify that, pursuant to the Rules of American Bureau of Shipping (ABS), on 13/OCT/2008 the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) and a valid Product Design Assessment (PDA) for the below listed product, entitling the product to type approval.

The validity of the Manufacturing Assessment is dependent on satisfactory audits as required by the Rules.

The Product Design Assessment is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product. For Date of ABS Rules used for evaluation; Please refer to the ABS Rules below. ABS makes no representations regarding type approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

**MEDC Ltd**  
**Model Name(s): DB4 Range**

**Presented to:**  
MEDC Ltd  
Colliery Road  
Pinxton  
Nottingham NG16 6JF  
United Kingdom

<b>Intended Service:</b>	This range of loudspeakers is intended for use in potentially explosive atmospheres in EExd or EExde version
<b>Description:</b>	Body & horn in anti-static, UV stable, GRP (natural black or epoxy paint coated)
<b>Ratings:</b>	Rated Power: 8 (Short Flare) 15, 20 or 25 Watts (Long Flare) RMS continuous; Output: 107 dBA at 1 Watt at 1 metre / 119 dBA at 25 Watts at 1 metre; Terminals (standard): 8x2.5m2; Ingress protection: IP66 & IP67; Frequency Range: 400Hz to 8kHz; EExd IIC T4/T5 or EExde IIC T4/T5 versions
<b>Service Restrictions:</b>	Unit Certification is not required for this product. If the manufacturer or purchaser's request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined. >> Unit certification is not required for this product. The apparatus is to be installed and used in accordance with the appropriate codes of practice and the manufacturer's instructions.
<b>Comments:</b>	Applicable Documentation: BASEEFA Cert.No.BAS00ATEX2097X and Cert. No.BAS00ATEX2098X UL Certificate Number: 02.05616-1; Medc DB4 Data Sheet
<b>Notes / Documentation:</b>	This Product Design Assessment (PDA) is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

**Term of Validity:** This Design Assessment Certificate number 02-LD325429/1-PDA, dated 14/Nov/2007 will expire on 13/Nov/2012 or at an earlier date should there be alterations to the product's design or changes to the referenced ABS Rules and other specifications, which affect the product. Product use on or after 1 January 2008, will be subject to compliance with the ABS Rules or specifications in effect when the vessel, MODU or facility is contracted. The product's acceptability on board ABS-classed vessels or facilities is defined in the service restrictions of this certificate.

**ABS Rules:** 2007 Steel Vessel Rules 4-8-3/13.3.2

**National Standards:**

**International Standards:** EN 50014:1997+Amendment 1 & 2 and EN 50018:1994

**Government Authority:**

**EUMED:**

**Others:**



Manager, ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.