

DB10 Loudspeaker – 8W, 15W or 20W

This EExde weatherproof range of loudspeakers is intended for use in potentially explosive gas atmospheres. The range has a power rating of up to 20Watts and is suitable for use in gas groups IIB and Hydrogen.



The flamepaths, flare and body, are manufactured from a UV stable glass reinforced polyester. Stainless steel screws and ratcheted mounting stirrup are incorporated to ensure a corrosion-free product.

Suitable for Zone 1, Zone 2 & Non-Ex use.

Mechanical Specification

Material / Finish	Anti-static, UV stable, glass reinforced polyester / Natural
Mounting	Stainless steel stirrup with ratchet facility
Weight	15W= 3Kg; 8W = 2.5Kg
Terminals	8 x 2.5mm ² or 4 x 2.5mm ²
Cable Entries	Up to 2 x M20 ISO into EExe chamber
Options	Earth continuity; Paint; labels

Electrical Specification

Rated Power RMS continuous (at 25 °C)	8, 15 & 20 Watts	
Max. Output Long Flare	1W/1m at 2kHz	105dB(A)
	20W/1m at 2kHz	116dB(A)
	15W/1m at 2kHz	115dB(A)
Max. Output Short Flare	1W/1m at 2kHz	98dB(A)
	8W/1m at 2kHz	107dB(A)
IP Rating	IP66	
Fire Retardancy	GRP to ISO 1210	
Frequency Range	400 - 8KHz	
Impedance	8	

Primary Tappings

Integral transformer, 100V Line as standard.

Transformer Tappings	Power		
	20W	15W	8W
1:2	20	15.0	8.0
2:3	10	7.5	4.0
3:4	6.0	5.0	2.0
1:3	3.5	4.0	1.5
2:4	2.0	2.0	0.7
1:4	1.0	0.8	0.4

Certification

	20 Watt Version	8 & 15 Watt Versions
CENELEC	EN50014, 18, 19	
BASEEFA	BAS02ATEX 2086X	
EX	EX II 2 G, EExde IIB + H ₂ T4	EX II 2G, EExde IIB + H ₂ T4, T5 or T6
Certified Temperature	-55°C / +50°C (T4)	-55°C / +40°C (T6) -55°C / +55°C (T5) -55°C / +70°C (T4)
GOST 'R'	2 Exde IIB + H ₂ T4/T5/T6	
GOST 'K'	Exde IIB + H ₂ T4/T5/T6	



