

Heaton Green Economech EBM 660 Dust Extractor



Stock No	EF2303
Manufacturer	Heaton Green
Model	EBM660 / 7.5kW
Year of Manufacture	c. 2008
Serial	6550
Condition	From a working environment, Good Condition, Current Model
Approx Duty CFM / M ³ /Hr	4500 // 7650M ³ /Hr
Filter Area ft ² / m ²	710ft ² // 66M ²
Other Info	Inlet Sizes 2 x 305 x 152mm
Location	Our Central Warehouse, Aldridge, UK
Weight (kgs)	580
External Dimensions (WxDxH mm)	2288 x 966 x 2595mm

Description

The Economech range of filter units is designed to be used for extraction systems, on a variety of dusts from processes that are intermittent, offering a cost effective solution to those dust extraction problems. The filter unit is cleaned by an automatically operated mechanical shake mechanism, which is energised, when the fan set has been shut down.

- Many dusts handled are potentially explosive albeit they would have to form a dust cloud, there must be sufficient

oxygen to support the explosion and a source of ignition. In the case of the Economech filter unit, it has been certified internally as Category 2D, it cannot create ignition sources in normal operation, nor in the event of a foreseeable malfunction. This makes the equipment compatible with a Zone 21 internal volume. However, if there is the potential of an ignition source from the process, then the DSEAR Regulations require provision of explosion protection, for example, explosion relief.

Construction of filter body

- Mild steel fully welded panel construction with two access doors to the front of the unit. Integral hopper section with optional inlet position and quick release collection bin.

Filter bags

- 350gms/m² Polyester Needlefelt (other medias available to suit application)

Filter inserts

- Galvanised mild steel wire construction.

Fan

- Backward inclined, laminar bladed centrifugal type running at 2 pole speed, directly coupled to IP55 flanged mounted motor.

Shaker

- Automatic shake down of the filters after shutdown mode by 6 pole face mounted motor connected to the shaker bar by an eccentric linkage mounted externally on the unit side panel.

Fan starter/ shaker controller

- Full specification comprises main fan starter (either Direct on Line or Star Delta), an electronic timer circuit, DOL shaker motor contactor, integral isolator and fusing. All components are mounted in a steel enclosure to IP54 complete with start, stop/clean and emergency stop buttons.

Electrical

- 380/440V 3Ph 50Hz supply. Fan and shaker motor pre-wired to terminal box for wiring to fan starter/ shaker controller*. Controller to be mounted separately to unit.

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.