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Dust Extractor Trips MCB When Starting

Modern fuse boards contain a Miniature Circuit Breaker (MCB) which are very sensitive and will trip out when a high current is detected.

When using a large electric motor, it is normal for there to be a large inrush current when the motor is first started. The starting surge can be up to 20 times the normal running current. It is therefore necessary to change the MCB to one designed to allow for that.

Large dust extractors, 1500w (2hp) and above, have a heavy metal fan, which requires a large current to start turning.

Most fuse boxes will be fitted with a Type B MCB as standard. The circuit with the large dust extractor needs to be changed to a Type D MCB.

Breakers are available in different current ratings. For large dust extractors a 16amp breaker is needed.



Type B – B16



Type D – D16

This article relates to Charnwood extractor models: W691, W692, W791 & W792