DELTA ENVIRONMENTAL

Fans – Industrial

Fans for Dust Extraction Applications handling dirty, contaminated air

Where the contaminated air has to pass through the fan before filtration, the impeller type and design must ensure there is the minimum risk of product build-up on the impeller blades. These fan units can be either direct drive or vee belt driven, to match the optimum fan speed to the airflow/pressures required.

With a range of fan models and types with electric motor sizes from 0.75kW to 75kW, we can match your specific requirement to provide the best level of energy efficiency and noise levels.

Paddle Fans

Illustration above showing a typical paddle blade 30kW fan with direct coupled motor for handling large woodchips and wood waste, extracting waste from a joinery factory and discharging into a separation filter.

Direct coupled Paddle conveying fan

7.5kW direct coupled Paddle blade fanset, for taking milled waste from an industrial shredder and conveying into a holding silo for a waste burning & heating project.

Fans – Industrial

Axial Fans

The Delta range of Hi-Vent Axial fans is an extremely compact design available in sizes Ø315-355-400-450-500-560-630-710 in either a square plate design ideal for wall installation with a circular spigot, or as an ultra short cased flanged fan unit. Both designs incorporate an internal motor concept fully insulated to IP55 standards suitable for dusty and both indoor and outdoor applications with a terminal connection box on the outer face of the fan.

All models are available for single or three phase electrical supply and can be speed controlled (except the smaller 2pole versions). Outputs vary from 2040M³/hr for the smallest size Ø315mm to 13000M³/hr for the largest size Ø710mm.

The “CB Series”

A range of high quality paddle blade conveying fans with their medium pressure development capabilities are ideally suited for product conveying and fume and exhaust applications, where system pressures up to 175mm swg and volumes up to 1800M³/hr are required. The impeller and casing are manufactured from quality cast aluminium with a direct coupled electric motor and can operate at air temperatures of up to 120°C.