ENCLOSED KILN FANS

Enclosed Kiln Fans

Protected motors. Simplified maintenance.

Protect the motor.

Simplify the system.

Early kiln fan motors operated inside the kiln, where heat, moisture, and wood extractives shortened their service life. Moving motors outside with fan tube assemblies improved reliability but added the expense of long shafts, bearings, and access catwalks. Today, KDS brings the motors back inside, protected within pressurized, fresh-air enclosures. This direct-coupled design eliminates costly fan tube assemblies and exterior catwalks while reducing maintenance, making it our most economical kiln fan solution.

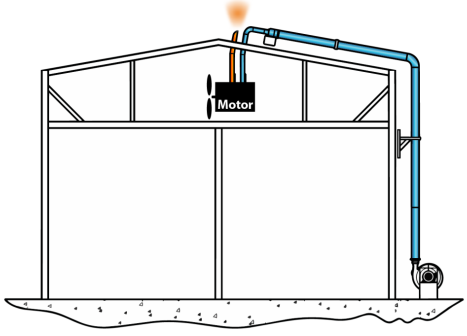


INTEGRATED MOTOR ENCLOSURE



DIRECTLY COUPLED MOTOR | COVER REMOVED

Fresh air. Protected motors.



External blower

Supplies pressurized fresh air through ductwork to cool the motor enclosure.

Protected, accessible motor

The enclosure shields the motor from kiln conditions. Service access remains on the fan deck.

External-motor arrangement	Enclosed, Internal-motor arrangement
Long fan shafts	Direct connection to the fan
Fan tube assemblies	Protective motor enclosures
Exterior motor-access catwalks	Access from the fan deck
Multiple shaft bearings to service	Fewer bearing maintenance points
Exposed to high-temp & moisture environment	Protected from high-temp & moisture environment
$$ Higher investment & maintenance costs	$ Lower investment & maintenance costs

Let’s talk about your next kiln project.

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Potential for lower installation and maintenance costs. Motors and the fresh-air system still require service.