



CBD



CMTS



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EXTRACTORS FOR BIOMASS FACILITIES

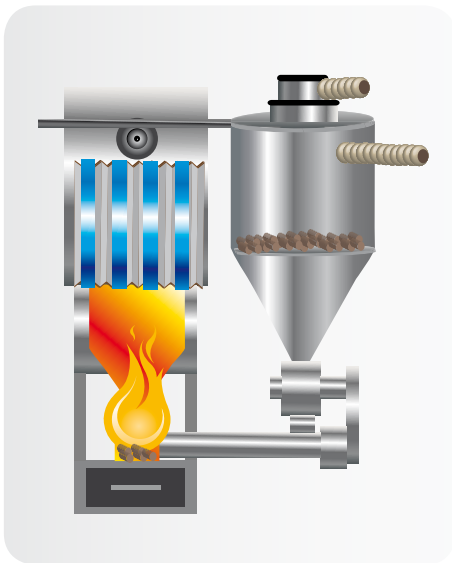


APPLICATIONS OF FANS AND EXTRACTORS IN BIOMASS FACILITIES

Sodeca has specialised since its inception in the design and manufacture of fans and extractors for industrial applications.

We place our wide experience, acquired through decades of work selecting the best fan for the specific needs of each installation, at the disposal of boiler manufacturers or biomass facilities.

We place at your disposal our free technical service with customer services to help you with any ventilation need.



Applications in pellet **TRANSPORT**



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- Fans which permit the transport of pellets by the venturi effect in the interior of the boiler tank
- High-pressure centrifugal fans

Applications in **EXTRACTION** of fumes from the boiler



CMT CMTS

- Fans for the extraction of fumes which are generated in the interior of the boiler
- Fans which can stand up to temperature with straight-blade impeller to avoid imbalances

Applications in **DISTRIBUTION** of air for air-conditioning



CBD CJBD

- Fans which allow you to use the hot air which is generated inside the boiler room
- Low pressure fans. They generate a flow of air at low speed and with a low sound level

Applications in **COMBUSTION** in the boiler



CMA CMC CMP

- Fans for propelling air to aid combustion in the interior of the boiler
- Centrifugal medium-pressure fans to supply air

CMTS

Centrifugal single-inlet, medium-pressure fans with casing and straight-blade impeller made from sheet steel to transport fumes and solids



Fan:

- Sheet steel casing
- Sheet steel straight-blade impeller

Motor:

- Motors with IE-2 efficiency, except powers lower than 0.75 kW single phase and two speeds
- Class F motors with ball

bearings, IP55 protection

- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power greater than 5.5CV.)
- Maximum temperature of the air to be transported: -20°C.+ 120°C

Finish:

- Anticorrosive finish in polyester

resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

On request:

- Special windings for different voltages
- Fan prepared to transport air at up to 250°C
- ATEX Certification Category 2

CMA



Centrifugal single-inlet, medium-pressure fans with casing and impeller made from cast aluminium

Fan:

- Casing made from cast aluminium
- Impeller in cast aluminium
- Models 324, 325 and 426 with polyamide impeller, model 531-2T-3 with sheet steel impeller

Motor:

- Single-phase two-speed motors with IE-2 efficiency, except powers lower than 0.75 kW single phase and two speeds

- Class F motors with ball bearings, IP55 protection, except single-phase models protection IP54
- Single phase 230V.-50Hz., and three phase 230/400V.-50Hz.
- Maximum temperature of the air to be transported: -20°C.+120°C, maximum +70°C for models with polyamide impellers

Finish:

- Anticorrosive finish in polyester

resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

On request:

- Special windings for different voltages
- Impellers in cast aluminium for models 324, 325 and 426
- Fan prepared to transport air up to 250°C
- ATEX Certification Category 2 (see CMA/ATEX series)

CA



Centrifugal single-inlet, high-pressure fans with casing and impeller made from cast aluminium

Fan:

- Casing made from cast aluminium
- Impeller made from cast aluminium

Motor:

- Motors with IE-2 efficiency, except powers lower than 0.75 kW single phase and two speeds
- Class F motors, with ball

- bearings, IP55 protection
- Three phase 230/400V.-50Hz.(up to 5.5CV.) and 400/690V.-50Hz. (power greater than 5.5CV.)
- Maximum temperature of the air to be transported: -20°C.+120°C.

Finish:

- Anticorrosive finish in polyester

resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

On request:

- Special windings for different voltages
- Fan prepared to transport air up to 250°C
- ATEX Certification Category 2

CMP



Centrifugal single-inlet, medium-pressure fans with casing and sheet steel impeller

Fan:

- Sheet steel casing
- Impeller with forward-facing blades, in galvanised sheet steel
- Model CMP 38-2M cast aluminium casing

Motor:

- Motors with IE-2 efficiency, except powers lower than 0.75 kW single phase and two speeds
- Class F motors, with ball bearings, IP55 protection,

- except single-phase models IP54 protection. Model CMP-38 IP21 protection
- Single-phase 230V.-50Hz., and three-phase 230/400V.-50Hz.(up to 5.5CV.) and 400/690V.-50Hz. (power greater than 5.5CV.)
- Maximum temperature of the air to be transported: -20°C.+120°C, maximum +100°C model CMP-38

Finish:

- Anticorrosive finish in polyester

resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

On request:

- Special windings for different voltages
- Fan designed to transport air up to 250°C
- Stainless steel fan
- ATEX Certification Category 2 (see CMP/ATEX series)

CBD



CBD: Centrifugal double-inlet fans with direct motor and impeller with forward-facing blades CJBD: Soundproofed ventilation units, fitted with double-inlet fans of the CBD series

Fan:

- Galvanized sheet steel casing. CJBD: with thermal and sound insulation
- Impeller with forward-facing blades, in galvanised sheet steel
- CBD: Supplied with PSB feet
- CJBD: Stuffing-box for cable input

Motor:

- Class F closed motors with built-in thermal protector, ball bearings and IP54 protection
- Single-phase 220-240V.-50Hz., and three-phase 220-240/380-415V.-50Hz.
- Maximum temperature of the air to be transported: -20°C.+60°C.

Finish:

- Anticorrosive galvanized sheet steel

On request:

- CJBD: With circular impulsion

