

C-40100-3K GRANULATOR

SOUNDPROOF 40100 GRANULATOR WITH 510X1000 mm LOADING MOUTH AND 419 mm ROTOR DIAMETER.

The following items compose the machine:

HOPPER:

Completely soundproof hopper for front loading or by conveyor belt.
No. 3 polyurethane flaps to reduce the emissions of noise and avoid the flyback of material from into the cutting chamber.
Servoassisted manual overturning system for easy cleaning and maintenance.

CUTTING CHAMBER:

Cutting chamber entirely made with particulars set with bolts and thorns, for a rapid restoration of all the components.
Bearing support outside the cutting chamber to avoid any contamination with powders and liquids.
No. 2 reversible fixed blades placed onto two sites with wear compensation device.
All the internal surfaces of the cutting chamber are carefully worked with high finishing level to facilitate cleaning operations.

"Easyaccess ISVE" fixed blades front adjustment system.

ROTOR:

Auto-cooling open rotor with perfectly balanced central axis equipped with thick holders of rotary blades. System with double cutting angle with "Scissors effect", for greater efficiency, lowest noise, and less energy consumption. The conformation of the cutting chamber and rotor facilitates the taking of bulky elements, minimizing the "rebound" effect on rotary blades.

The rotor is places sideways integral with two rotating discs to avoid that filamentary materials twine round the blades-holder axle. This system, thanks to the particular flights inside the flange, ensures the cooling of lateral walls and bearings.

HOUSING BLADE:

The rotor and the three rotary blades housing are made in steel with a high chromium and carbon content. Then it follows an exclusive ISVE treatment to ensure high resistance to abrasion. The **nr. 3 rotary blades** are bolted with screws with high resistance and made in k110 (58 HRC).

SCREEN:

Back hinged screen support with gas shock absorber to facilitate operations for cleaning and maintenance. Reversible screen available in different sizes.

BASE

Machine base made in high thickness steel with cutting chamber supports in anti-vibrating material. Access door and motor casing in soundproofing and sound absorbent material.

UNLOADING:

Collection drawer for the connection to the suction installation with lateral guides to facilitate assembly and cleaning.

MOTOR:

TEFC IP55 A.C **30KW motor** assembled onto an adjustable slide for belts tension.



DRIVE PARTS:

Rotor driven by a high inertia flywheel-pulley.
 "V" belt drive from the motor.
 Preparation for the application of a second flywheel.
 450rpm rotor speed.

SECURITY:

A movement sensor checks that the rotor is perfectly firm before giving consent to the opening of the access door.
 Frontal emergency button and security micro. From electric board point of view, a special relay checks that all the security systems operate correctly. A pivot key allows blocking the rotor in the most comfortable position to exchange the rotary blades.

ELECTRIC BOARD:

Entirely IP55 electric board with all the components for the granulator proper functioning. Motor start with delta-star system, low-tension keyboard for machine running. 380V 50 Hz Three-phase electric feeding.

ACCIDENT PREVENTING:

The machine is equipped with accident preventing stickers and use and maintenance instruction manual.

ESTIMATED OUTPUT:

Manufacturing according to EC standards.
 450-700 kg/h according to the materials and the diameter of the evacuation screen