## CONDITIONER

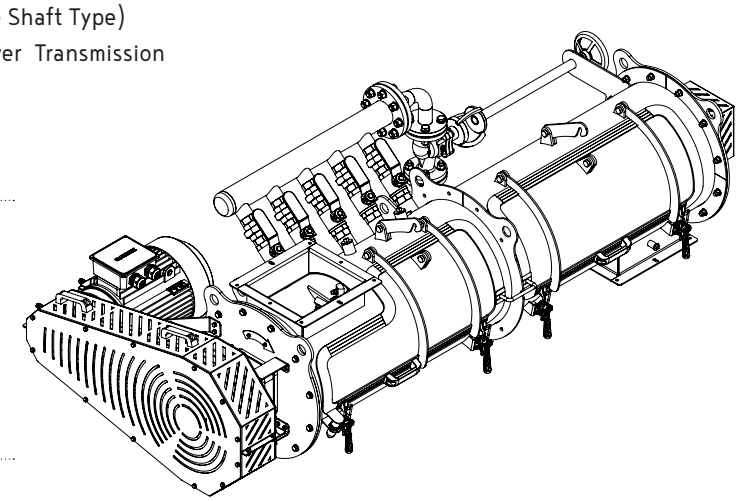
**ALTINBILEK Conditioners** are designed in accordance with the pelleting capacities in single shafts and double shafts structures. The powder product mixed with the addition of water / water vapor in the conditioner before entering the pellet press can be compressed more easily with the gelatinization of the starch in it; the discs and rollers, which are the most important parts of the pelletizing process are used for a longer time, the production capacity of the pellet press increases, unit energy, labor and maintenance costs decrease. The pellet hardness and PDI (Pellet Durability Index) values of the pellet product increases and the dustiness rate decreases. The efficiency of the machine and the enterprise increases and operating expenses are reduced. Altınbilek Conditioners use a sensor type flap system in order to detect the entry of the powdered raw material or product into the machine and start the water / water vapor addition process accordingly. There are specially designed paddles in the conditioner rotors to provide a homogeneous mixture and their directions can be adjusted by the operator depending on the process. There are wide maintenance and inspection doors to provide access to the entire rotor throughout the conditioner. There is a lock mechanism on the covers that prevents opening without stopping the rotor. Even the smallest capacity conditioners have multiple entry points and steam inlet collectors in order to provide the best water and steam addition. A lap sensor system is used in the idler parts of the conditioner rotors and a temperature measurement sensor is used at the final exit points to the pellet.

### FEATURES

- Homogeneous Water and Water Vapor Mixture
- Homogeneous Temperature Distribution
- High Gelatinization in Feed
- Long Term Annealing
- Effective Sealing Elements
- Heavy Duty Block Bearings
- Easy Use and Maintenance

### DRIVE SYSTEM

- IE3 Class High Efficiency Electric Motor (IE4 - Optional)
- Belt Pulley Connection Power Transmission Options (Single Shaft Type)
- Geared Motor Full Shaft and Coupling Connection Power Transmission (Double Shaft Type)

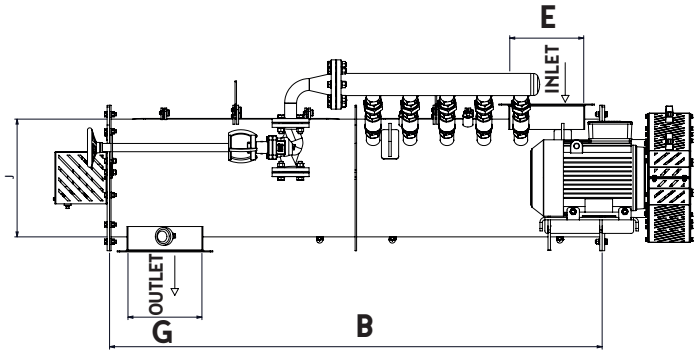


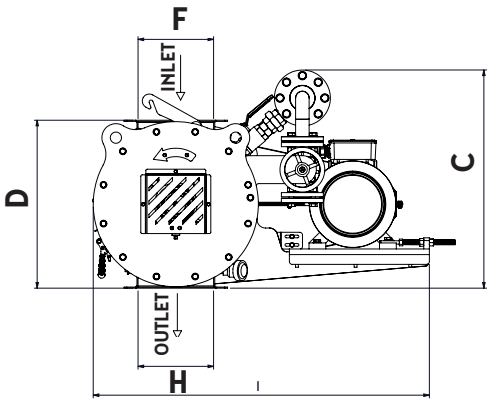
### SECURITY SYSTEM

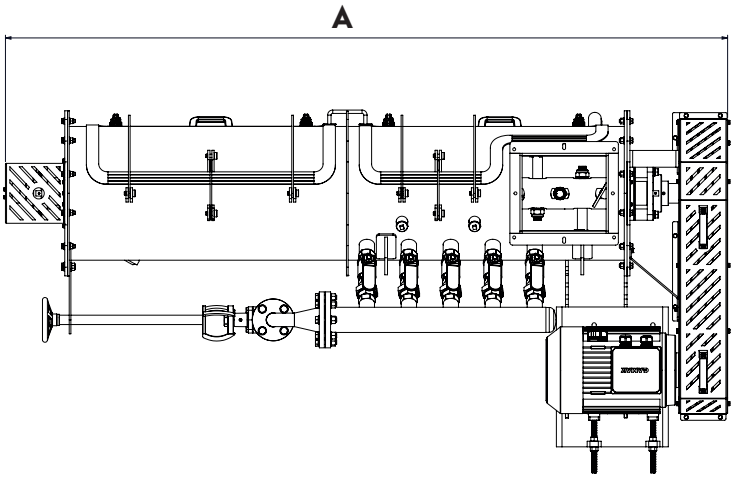
- Tour Sensor
- Safety Sensor on Covers
- Electromechanical Door Lock System (Optional)
- Bearing Heat Detection Sensor (Optional)

### ACCESSORIES

- Product Entrance Detection System
- Easy to Open Piston Maintenance and Intervention Cover
- Frequency Controlled Mixing System (Double Shaft Type)
- Closed Type Casing




| Type | Motor Power (kW) | Dimensions (mm) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | C | D | E | F | G | H | I | J |
| SC31 | 4 | 1.550 | 1.200 | 710 | 550 | 220 | 200 | 925 | 195 | 170 | 350 |
| SC42 | 5,5 | 2.580 | 2000 | 780 | 600 | 270 | 300 | 1.200 | 300 | 270 | 480 |
| SC52 | 7,5 | 2.580 | 2000 | 780 | 600 | 270 | 300 | 1.200 | 300 | 270 | 480 |
| SC66 | 11 | 2.980 | 2.400 | 790 | 600 | 250 | 350 | 1.200 | 250 | 350 | 480 |
| SC90 | 22 | 4.300 | 3.500 | 900 | 1060 | 420 | 350 | 1.425 | 420 | 350 | 570 |

The designs and dimensions may be modified without notice.