

# BVZ



Rice Vertical  
Whitening Machine  
**BVZ-1**

**ZACCARIA**

# BVZ

## Vertical Whitener BVZ-1

The Vertical Whitening Machine model BVZ is an excellent solution for rice millers who wish to obtain high productivity. The vertical design of this unit guarantees low grain breakage, minimum damaged tips and uniform whitening. Besides, it has a high production capacity and low power consumption for its rated capacity. After passing through the inlet hopper, the rice passes into the whitening chamber from the top and comes in contact with the cylindrical abrasive surface, the germ and the bran layer are removed from the rice kernels. The system consisting of a cyclone/fan which draws the bran through the slots of the screen. Four longitudinal metallic brakes (resistance bars) serve two purposes, which are: The retarding effect which have the purpose of controlling the speed of the rice flow in the whitening chamber; and the positioning effect, which ensures that grains rotate on their own axis. These two effects permit uniform whitening and minimize grain breakage.

### Model:

BVZ-1

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### Motor:

100 hp (75 kw)

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### Input capacity:

Brown rice lbs. (kg)/hour

White rice: Up to 18,700 (8500)

Parboiled rice: Up to 12,100 (5500)

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### Aspiration required CFM (m<sup>3</sup>/min):

2160 (60)

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### Air pressure required water column:

4.7 inches (120 mm)

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### Approximate shipping volume cu. ft. (m<sup>3</sup>):

229.5 (6.5)

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### Approximate shipping weight lbs. (kg):

2970 (1350)

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### Machine dimensions inches (mm):

A - 92.4 (2370)

B - 80.3 (2060)

C - 7.8 (200)

D - 70.2 (1800)

E - 31.6 (810)

F - 36.3 (930)

G - 40.6 (1040)

H - 46.7 (1197)

I - 19.0 (488)

J - 19.5 (500)

L - 119.3 (3060)

M - 25.7 (660)

### Note:

For the best performance the recommended moisture content of the brown rice is 12 - 13%.

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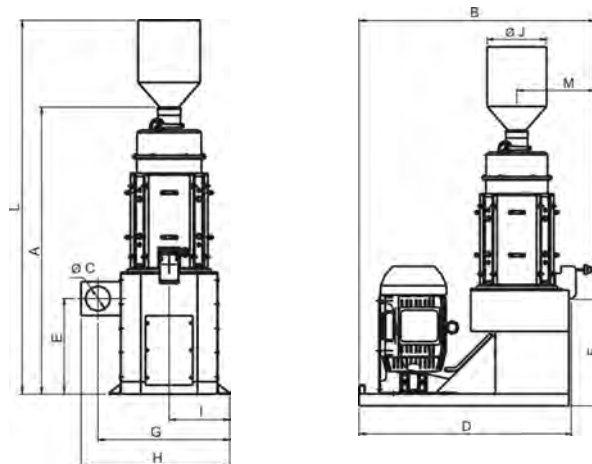
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### ADVANTAGES

- High production capacity and low power consumption;
- Small space requirement;
- Uniform whitening;
- Low grain breakage and damaged tips rates;
- Precise and easy adjustment of the whitening degree;
- Wear parts are easily interchangeable.

### TECHNICAL CHARACTERISTICS

- Component wear parts.
- The motor amperage control system will close the feed automatically in case of overload.



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