

**Name:** FDF-S-15

**Russian name:** BC-15

**Type:** Special purpose FD Fans

**Notes:** Backward curved blades



## DESCRIPTION:

Centrifugal ID Fans made of stainless steel are designed for removal of sulfur-containing and dust-loaded flue gases from metallurgical concentrate furnaces widely used in nonferrous metallurgy, chemical industry and fertilizer manufacturing. The handling gases should contain up to 11% of SO<sub>2</sub> under 40°C temperature and dustiness not more than 2 g/m<sup>3</sup>. In view of high aggressivity of handling flue gases such ID Fans are manufactured in corrosion-resistant design. The ID Fans of this modification have no inlet boxes. The blades of impeller are backward curved.

## AERODYNAMIC PERFORMANCE:

Capacity: 37.5 ths. m<sup>3</sup>

Total pressure: 3678 Pa

Temperature: 40 C

Efficiency: 80 %

Dustiness: 0.1 g/m<sup>3</sup>

## DIMENSIONS:

Length: 3174 mm

Width: 2833 mm

Height: 2280 mm

Weight: 1800 kg

## ELECTRIC MOTOR:

Power: 75 kW

Rate speed: 1000 rpm

Moment of inertia: 90 kg\*m<sup>2</sup>

## AUXILIARIES:

Actuator: 630 Hm

DELIVERY OPTIONS:

Railway: Flatcar: 1 | Open wagon: 0 | Schnabel car: 0

DIMENSIONAL DRAWING:

