

**Name:** IDF-H-31

**Russian name:** ГД-31

**Type:** Single inlet centrifugal hot-blast ID fans

**Notes:** Backward curved blades



## DESCRIPTION:

Single inlet centrifugal hot-blast ID Fans are designed for flue gases recirculation in solid fuel or gas-and-oil-fired boilers. It is allowed to use such hot-blast fans for removal hot and dust-loaded gases from furnaces in pelletized ore production, ferrous metallurgy and sintering plants. In view of operation under high temperature these fans are made of heat-resistant steel. Single inlet centrifugal hot-blast ID Fans can have right-hand or left-hand rotational direction. The right-hand rotation is in a clockwise order and it should be defined at electric motor side. The main units of these Fans are: running wheel, running gear, scroll casing, inlet bell and axial guide vanes.

## AERODYNAMIC PERFORMANCE:

Capacity: 330.0 ths. m<sup>3</sup>

Total pressure: 3880 Pa

Temperature: 400 C

Efficiency: 84 %

Dustiness: 1.0 g/m<sup>3</sup>

## DIMENSIONS:

Length: 4290 mm

Width: 5900 mm

Height: 4600 mm

Weight: 12430 kg

## ELECTRIC MOTOR:

Power: 500 kW

Rate speed: 750 rpm

Moment of inertia: 4375 kg\*m<sup>2</sup>

## AUXILIARIES:

Actuator: 1600 Hm

DELIVERY OPTIONS:

Railway: Flatcar: 2 | Open wagon: 0 | Schnabel car: 0

DIMENSIONAL DRAWING:

