

**Name:** IDFB-29.5x2-C-LD  
**Russian name:** ДН-29,5Х2КШ  
**Type:** Double inlet centrifugal ID fans of IDFB type  
**Notes:** Backward curved blades



## DESCRIPTION:

Double inlet centrifugal ID Fans are intended to be used for flue gas removal from combustion chambers of solid fuel or gas-and-oil-fired boilers with the capacity of up to 480 t/h equipped with dry ash catchers. It is allowed to install such ID Fans in processing systems for handling compatible gases (The dustiness should be not more than 2 g/m<sup>3</sup>, abrasion and sticking tendency should be similar to ashed flue gases). Such ID Fans can be applied for single or serial-parallel operation. Double inlet centrifugal 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 Double inlet centrifugal ID Fan are: running wheel, running gear, scroll casing, two inlet boxes and two guide vanes. The blades of impeller are backward curved.

## AERODYNAMIC PERFORMANCE:

Capacity: 1221.6 ths. m<sup>3</sup>  
Total pressure: 2383 Pa  
Temperature: 250 C  
Efficiency: 85 %  
Dustiness: 2.0 g/m<sup>3</sup>

## DIMENSIONS:

Length: 8245 mm  
Width: 7065 mm  
Height: 6459 mm  
Weight: 35967 kg

## ELECTRIC MOTOR:

Power: 1250 kW  
Rate speed: 750 rpm  
Moment of inertia: 5200 kg\*m<sup>2</sup>

**AUXILIARIES:**

Actuator: 4000 Hm

**DELIVERY OPTIONS:**

Railway: Flatcar: 4 | Open wagon: 0 | Schnabel car: 0

**DIMENSIONAL DRAWING:**

