Radial Jet Fan (Induction Type)

KCRJ-F300

- **Properties:**
  - Equipped with 2 speed motor for daily ventilation and smoke exhaust in case of fire
  - Includes an adjustable deflector and front protection casing
  - External Fire Rated Terminal Box
  - Compact Design Suitable for low ceiling heights
  - Aerofoiled wing structure that allows them to work at low noise levels and maximum thrust
  - Highly efficient IE2 motor with Class-H insulation and IP55 protection
  - Certified at F300 (300 C° / 120 min) temperature resistance class according to EN-12101-3

- **Material:**
  - Manufactured from high quality Hot-Dip galvanized sheet steel

- **Optional:**
  - CFD Analysis
  - Electrostatically painted casing
  - Fire Class Resistance F400 (400 C° / 120 min)
  - Reversible Direction
  - 60 Hz

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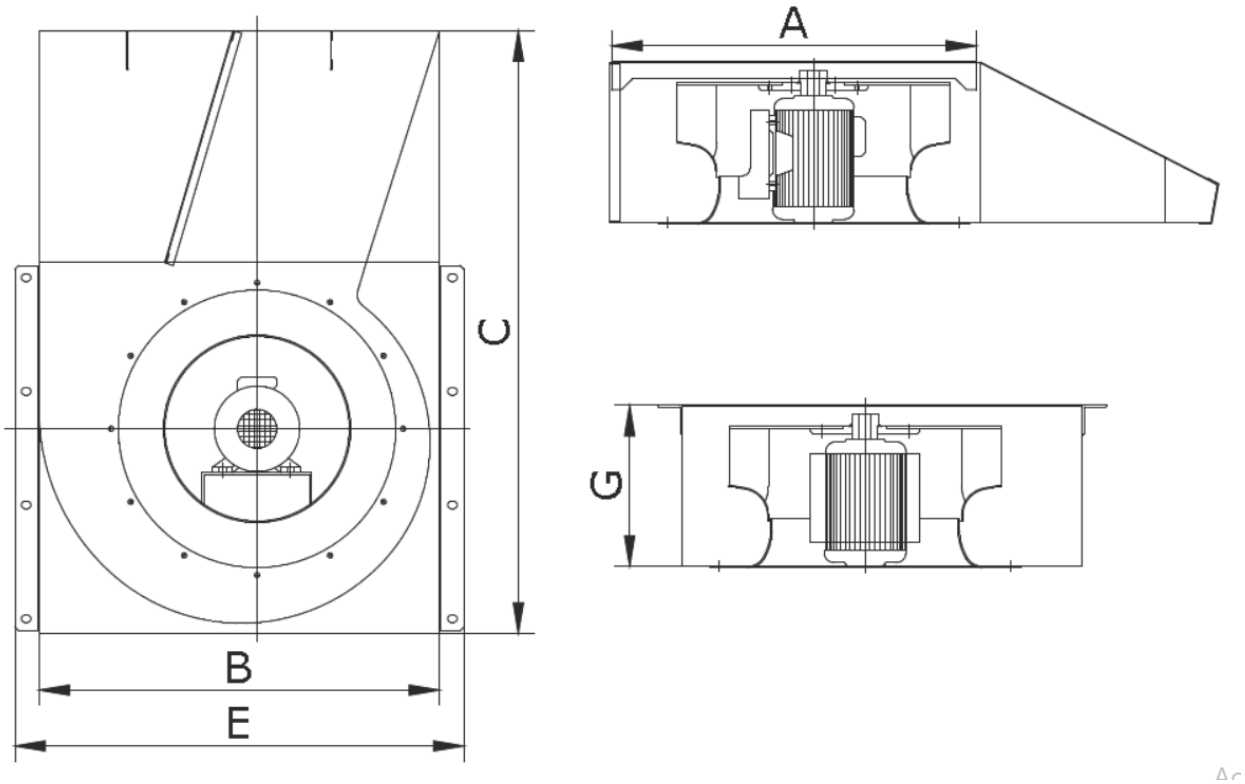

MODEL	A	B	C	E	G
KCRJ-60	763	823	923	1237	330
KCRJ-100	858	926	1036	1392	371

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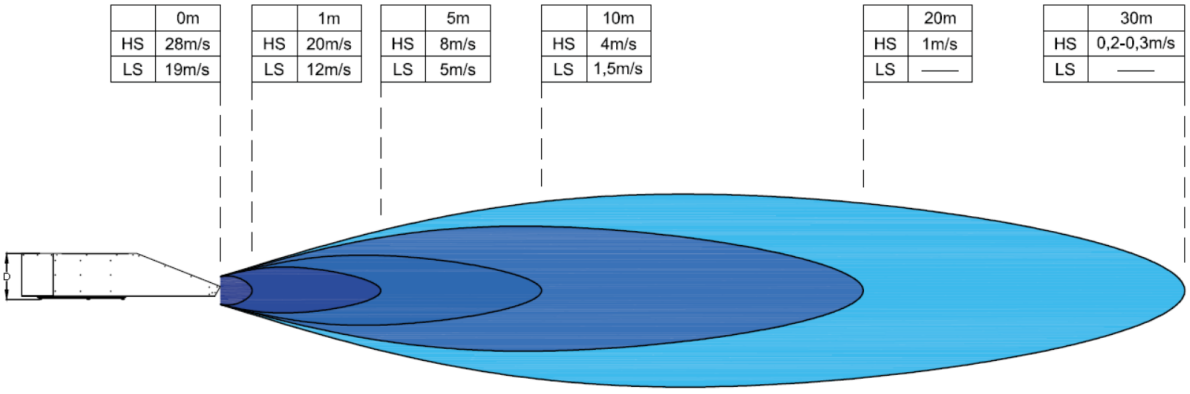

W=15 m // L=25 m

SHAFT DESIGN

a) According to the Air Velocity

Shaft dimensions are calculated.

Flow Rate = Area x Velocity

Area = 54000 m/h ÷ 1/3600 ÷ 8 m/s = 1,875 m^2

b) According to the Fan Dimensions

Addressing to every fan in the exhaust shaft and using for zoning between the floor, smoke dampers are selected

SHAFT DAMPER SELECTION

a) Effective Area = 27000 m3/h ÷ 3600 ÷ 8 m/s = 0,93 m^2