GENERAL SPECIFICATIONS

- **DRIVE**: All fans are direct driven by the Electric Motor (unless otherwise agreed) optional, belt driven models available on request.

- **GUIDE VANE SECTION (GV)**: Adding the guide vane section on the discharge side provides higher pressure with the same horse power.

- **SILENCER (SK)**: Pre-galvanised construction, packaged sound-absorbent acoustic media, ready to match the fan flange easily, available all sizes. Dimensions on request. Circular and rectangular shapes are manufactured.

- **LOUVERS (PJ) and DAMPERS (DP)**: EMAK Fan have a very large manufacturing programme of different kinds of Louvers-Dampers. Most of the products are aluminium with the pre-galvanised mild steel.
  a) Fixed blade models
  b) Airstream / Hand operated
  c) Servomotor operated (On/Off-Thermostatic)
  d) Fire dampers – Butterfly type dampers
  e) Heavy duty dampers

- **WIRE GUARDS (HT)**: Impeller side guards, heavy-gauge spiral wound wire is welded to ribs then painted or galvanised. Available for each size of fan.

- **MATCHING FLANGES (KF)**: Companion flanges are match to fit either discharge or inlet sides of casing. Available for each size, painted or galvanised.

- **SQUARE FLANGES (DF)**: For either standart or wall type casing, inlet / discharge or both sides. Available for each size, painted or galvanised.

- **FLEXIBLE CONNECTORS (KM)**: Available for each size, painted or galvanised.

- **CONES (RD)**: Inlet Bell, Diffuser, Extension parts or any special design connection section orders are welcome, available for each size, painted or galvanised.

- **Other ancillary equipments:**
  a) Mounting feet (AA)
  b) Anti-vibration mountings (AV)
  c) Electric Starters / Speed Controllers / Overloading of phase protection (EA)
  d) Outside fitted terminal box (TK)
  e) Hot dip galvanized (GALV)
  f) Access Door (SP)
**DAMPERS**

**GDD - Backdraft Damper:** Blades are moved by face mounted linkage arms. Galvanize casing and aluminium blades are used in GDD serie. Small cross sectioned types can be operated with air pressure.
HDD - Heavy Duty Damper: HDD Type Heavy Duty Dampers are designed and manufactured by EMAK's skillful design engineers. The material is all steel. Galvanization or epoxy coating is preferred after production. Electric – ElectroHydraulic – Pynomatic Actuators being used according to project specifications.

GAD – Damper with Linkage Arms: Galvanize casing and aluminium blades are used in GAD Serie. Blade opening mechanism is by linkage armed type – parallel blade opening.

DAD – Geared Damper: All aluminium type with plastic gears. Mostly preferred for A/C applications with opposite side blade opening. All above damper production can be delivered with electro – pynomatic or electro – hydraulic actuators.
FIXED BLADE LOUVER - PJ

Louvers are used for preventing strange materials to go into the fan, and when the aesthetic is important in the place. Frame profiles are aluminium or sheet such as blades.
**SILENCER - SK**
Pre-galvanised construction, packaged sound-absorbent acoustic media, ready to match the fan flange easily, available all sizes. Dimensions on request. Glass wool, stone wool climatic type plate and styrofor are the alternatives of sound absorber.
**WIRE GUARD – HT**

Impeller side guards, heavy-gauge spiral wound wire is welded to ribs then painted or galvanised. Available for each size of fan.

![Wire Guard HT Image]

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**Dimensions in mm**

### MATCHING FLANGE / SQUARE FLANGE KF / DF
Companion flanges are match to fit either discharge or inlet sides of casing. Available for each size, painted or galvanized.

### GUIDE VANE - GV
Adding the guide vane section on the discharge side provides higher pressure with the same horse power.

### DRIVE
All fans are direct driven by the electric motor (unless otherwise agreed) optional, belt driven models available on request.