

Description

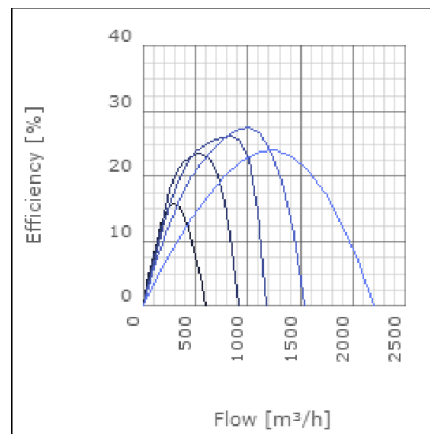
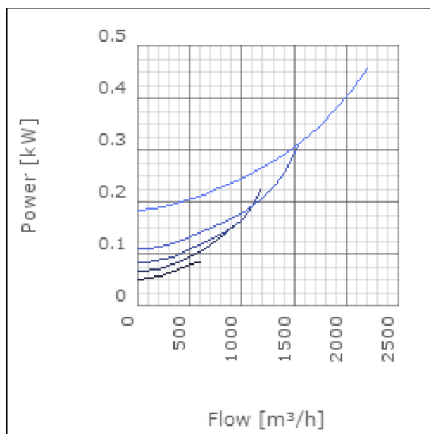
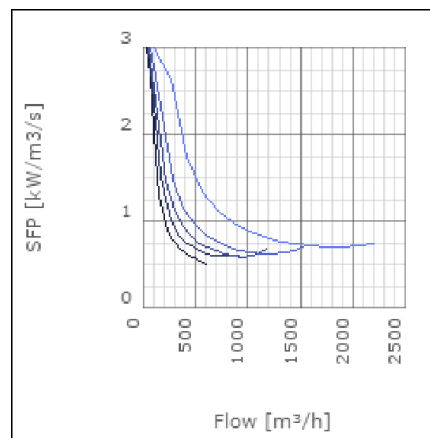
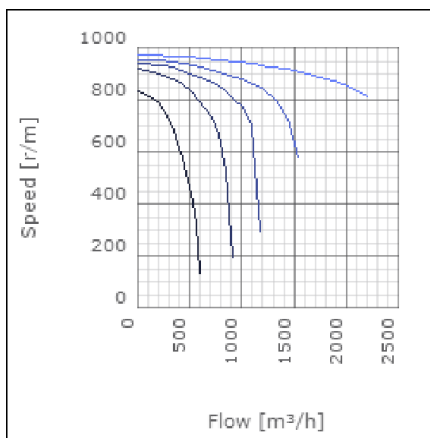
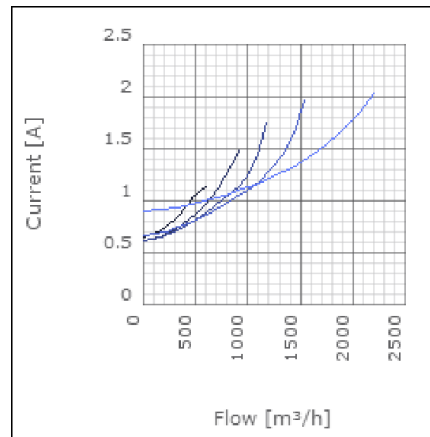
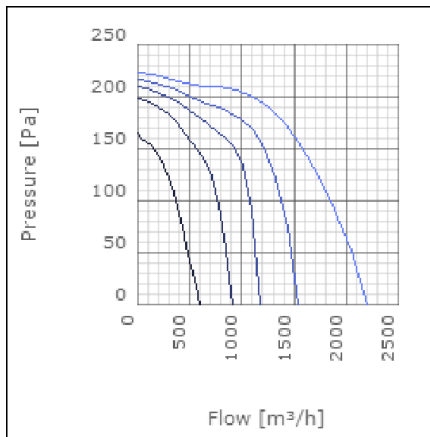
IRE is a range of insulated in-line centrifugal duct fans. They provide high pressure with low sound level. The IRE fans have good sound and fire insulation qualities provided by a 50mm pad of mineral wool. The high quality ball bearing mounted external rotor motors are maintenance free. They can be speed controlled from 0-100% by voltage variation. All motors are protected by approved thermo contacts. All 3-phase motors have ready fitted thermo contact leads for alarm functions etc. The fans have a strong galvanized steel housing incorporating a swing out design of the fan motor and impeller for easy cleaning and inspection.



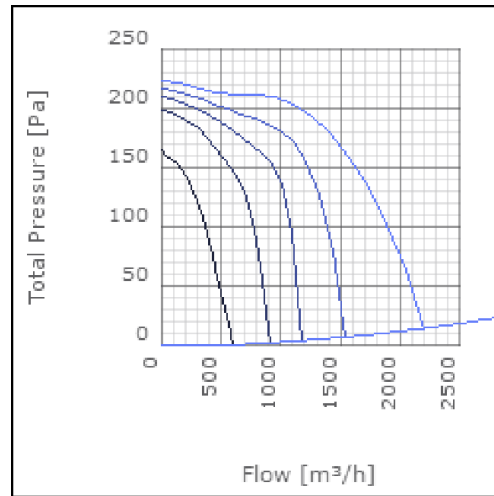
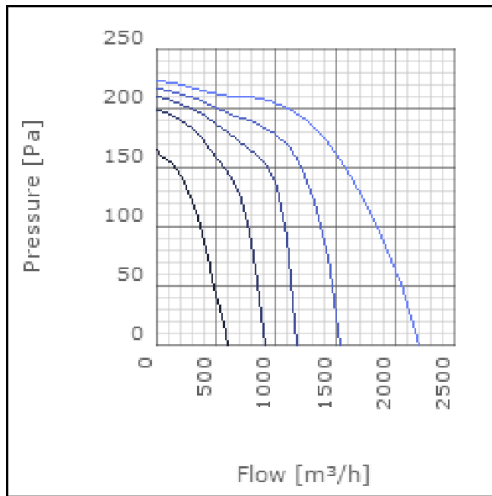
Technical data

| Parameter | Value | Unit |
|---|---------|-------|
| Voltage | 230 | V |
| Phase | 1 | ~ |
| Frequency | 50 | Hz |
| Power | 0.47 | kW |
| Current | 2.1 | A |
| R.p.m. | 810 | r/m |
| Max. temperature of transported air | 60 | °C |
| Max. temperature of transported air when speed-controlled | 60 | °C |
| Sound pressure level at 3 m | 39 | dB(A) |
| Length | 692 | mm |
| Width | 638 | mm |
| Height | 478 | mm |
| Weight | 50 | kg |
| Enclosure class, motor | 44 | IP |
| Insulation class, motor | F | |
| Capacitor | 8 | µF |
| Duct connection | ø400 mm | |

Diagrams



Sound



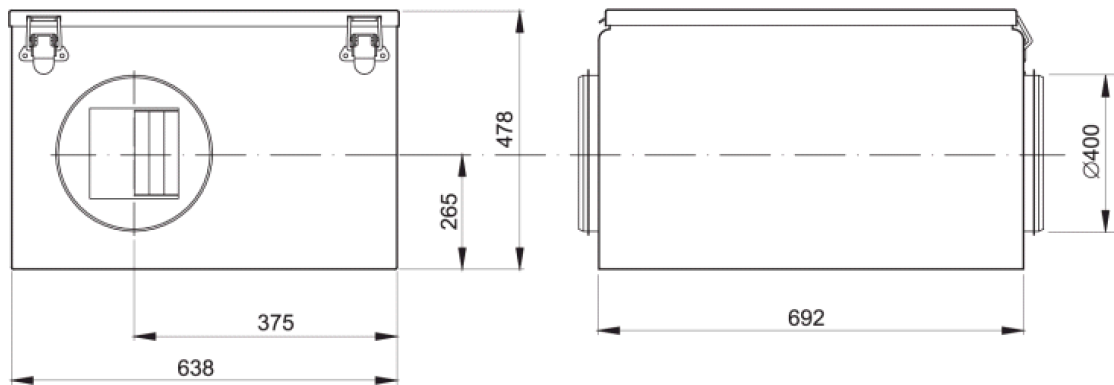
| | Tot | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
|-------------|-----|----|-----|-----|-----|----|----|----|----|
| Inlet | - | - | - | - | - | - | - | - | - |
| Outlet | - | - | - | - | - | - | - | - | - |
| Surrounding | - | - | - | - | - | - | - | - | - |
| Surrounding | - | - | - | - | - | - | - | - | - |

| | | | | | | | | | |
|-----|-----|----|-----|-----|-----|----|----|----|----|
| 120 | | | | | | | | | |
| 80 | | | | | | | | | |
| 40 | | | | | | | | | |
| 0 | | | | | | | | | |
| | Tot | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |

Parameter

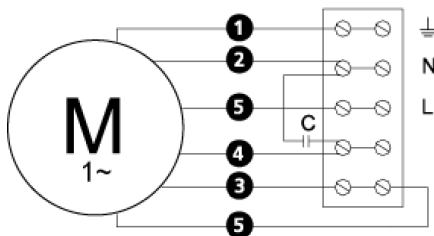
Distance: 3.000
 Propagation type: Hemi-spherical
 Equivalent absorption area: 20.00

Dimensions



Wiring diagram

4040005



- (M) = Fan Motor
- (M1) = Fan Motor
- (M2) = Fan Motor
- (M3) = Rotor Motor
- 1 = Yellow/Green
- 2 = Black
- 3 = Blue
- 4 = Brown
- 5 = White (TW)
- 6 = Orange
- 7 = Grey
- 8 = Red
- 9 = Green
- 10 = Violet

Accessories

- ETFV-94A
- FRE 6
- VRDE 3
- VRS 4,0
- VRTE 3

Electrical accessories

- FLF 400
- FLK 400
- BSV 400