

## Description

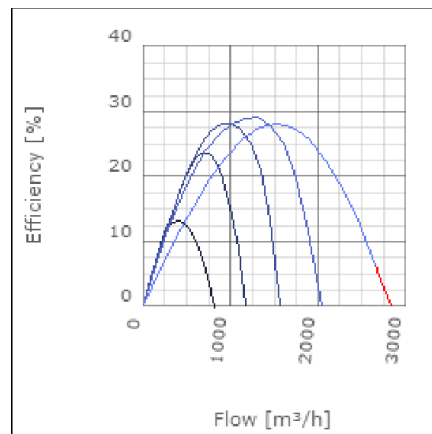
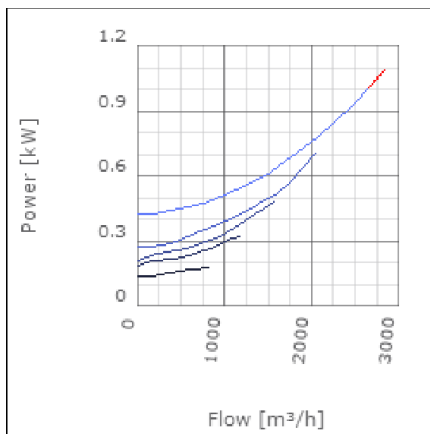
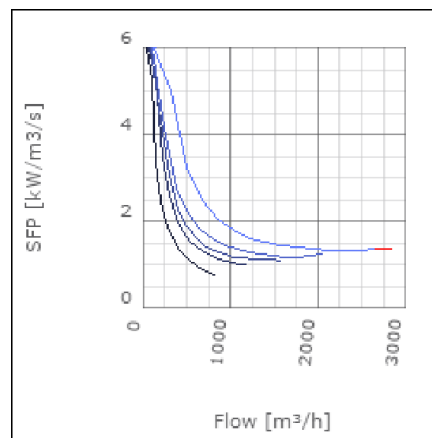
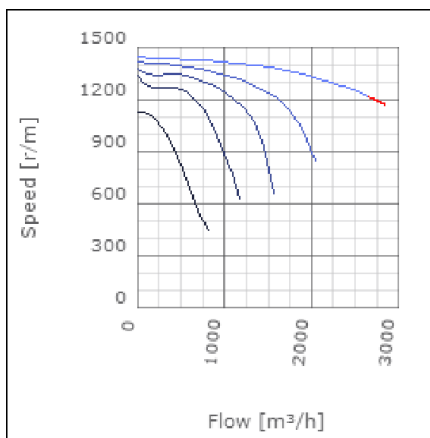
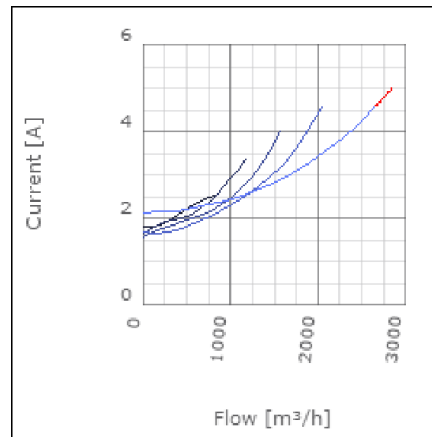
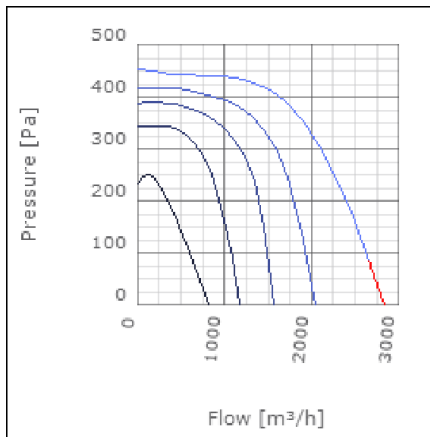
IRE is a range of insulated in-line centrifugal duct fans. They provide high pressure with low sound level. The IRE fans have good sound and fire insulation qualities provided by a 50mm pad of mineral wool. The high quality ball bearing mounted external rotor motors are maintenance free. They can be 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.



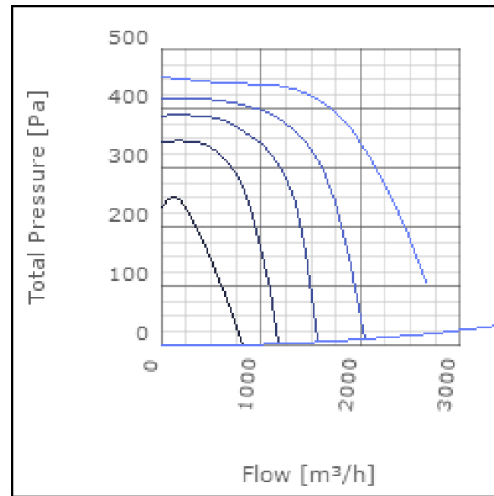
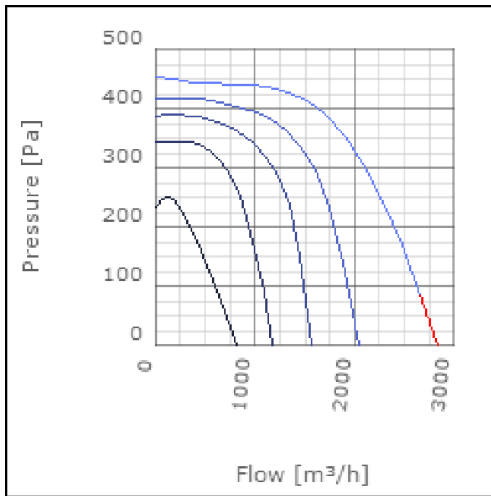
## Technical data

Parameter	Value	Unit
Voltage	230	V
Phase	1	~
Frequency	50	Hz
Power	1	kW
Current	4.7	A
R.p.m.	1200	r/m
Max. temperature of transported air	70	°C
Max. temperature of transported air when speed-controlled	70	°C
Sound pressure level at 3 m	46	dB(A)
Length	692	mm
Width	638	mm
Height	478	mm
Weight	50	kg
Enclosure class, motor	44	IP
Insulation class, motor	F	
Capacitor	20	µF
Duct connection	ø400 mm	

Diagrams



Sound



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

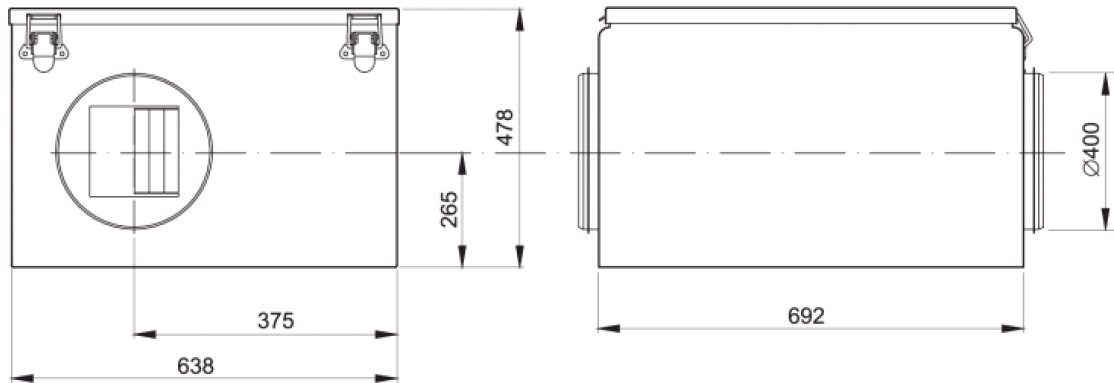
  

An empty grid for plotting sound pressure level data. The y-axis ranges from 0 to 120 in increments of 40. The x-axis labels are Tot, 63, 125, 250, 500, 1k, 2k, 4k, and 8k.

**Parameter**

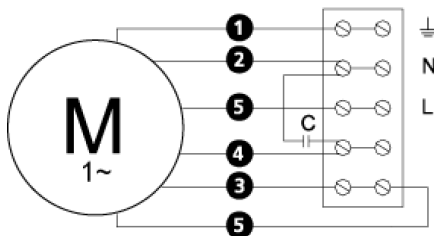
Distance: 3.000  
 Propagation type: Hemi-spherical  
 Equivalent absorption area: 20.00

## 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 7  
VRTE 5

## Electrical accessories

FLF 400  
FLK 400  
BSV 400