

## Description

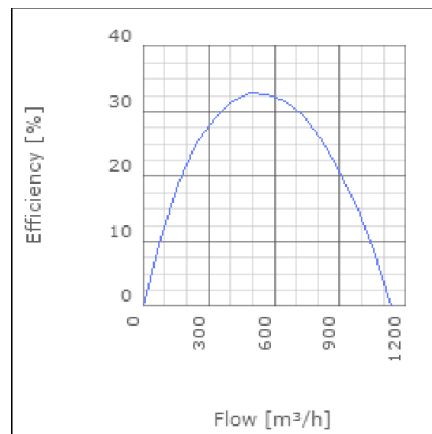
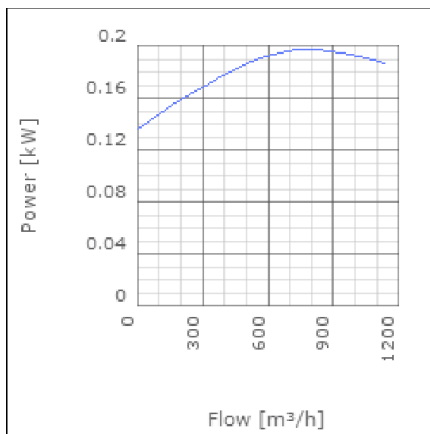
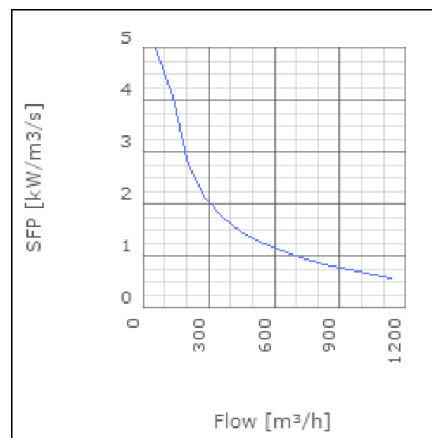
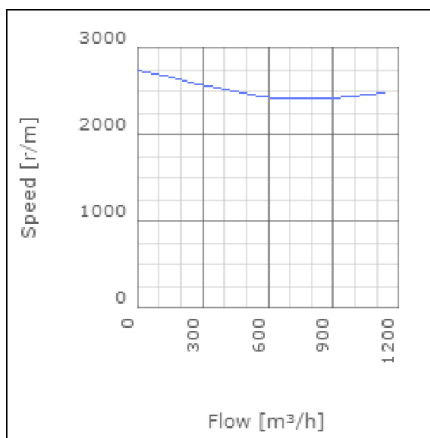
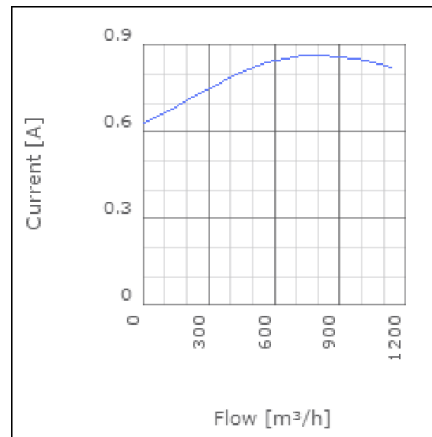
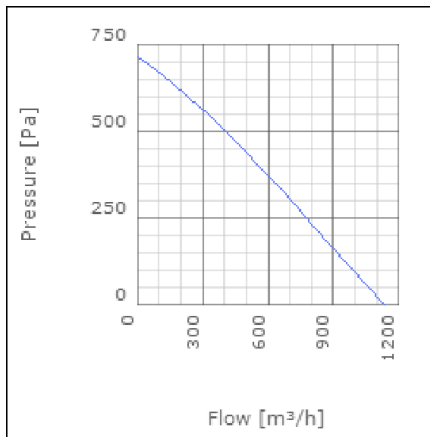
IRE is a range of insulated in-line centrifugal duct fans. They provide high pressure with low sound level. The IRE fans have good sound and fire insulation qualities provided by a 50mm pad of mineral wool. The high quality ball bearing mounted external rotor motors are maintenance free. They can be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



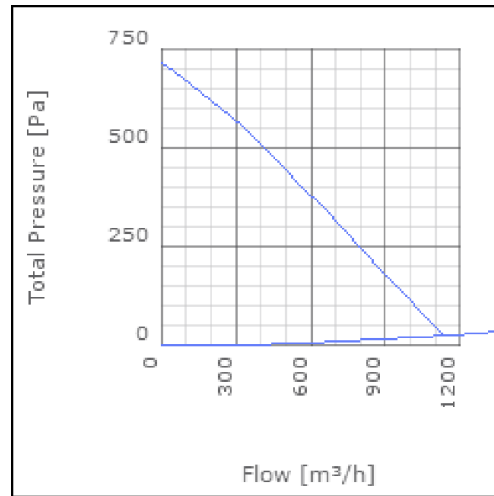
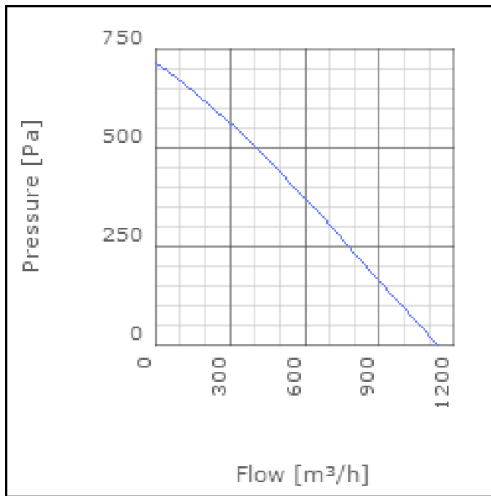
## Technical data

Parameter	Value	Unit
Voltage	230	V
Phase	1	~
Frequency	50	Hz
Power	0.2	kW
Current	0.89	A
R.p.m.	2420	r/m
Max. temperature of transported air	50	°C
Max. temperature of transported air when speed-controlled	50	°C
Sound pressure level at 3 m	44	dB(A)
Length	580	mm
Width	525	mm
Height	342	mm
Weight	27	kg
Enclosure class, motor	44	IP
Insulation class, motor	F	
Capacitor	5	µF
Duct connection	ø250 mm	

Diagrams



Sound



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

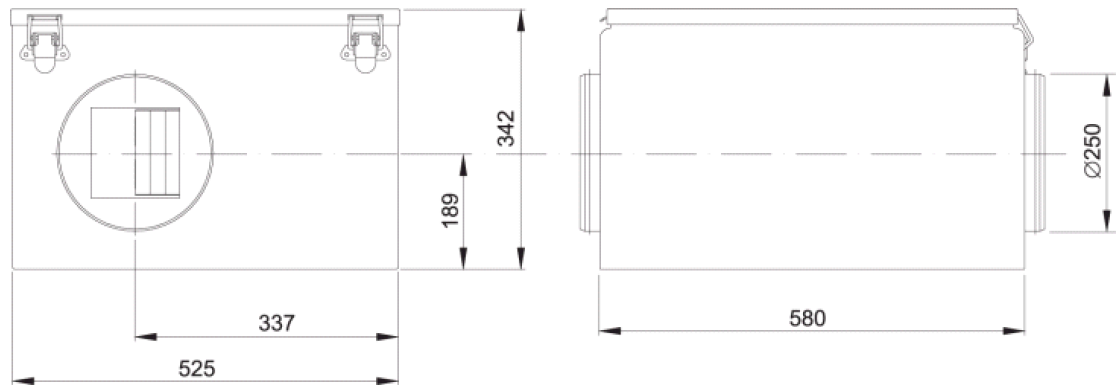
  

An empty grid for plotting sound pressure level data. The y-axis has a scale from 0 to 120 with major ticks at 0, 40, 80, and 120. The x-axis has labels for frequency bands: Tot, 63, 125, 250, 500, 1k, 2k, 4k, and 8k.

**Parameter**

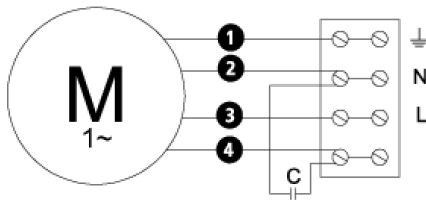
Distance: 3.000  
 Propagation type: Hemi-spherical  
 Equivalent absorption area: 20.00

## Dimensions



## Wiring diagram

4040001



- (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 1,5  
VRS 2,0  
VRTE 1

## Electrical accessories

FLF 250  
FLK 250  
BSV 250  
LDC 250