Description

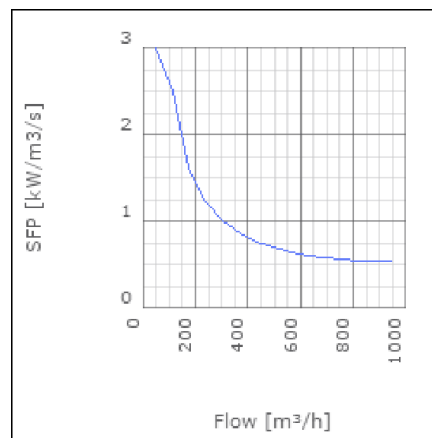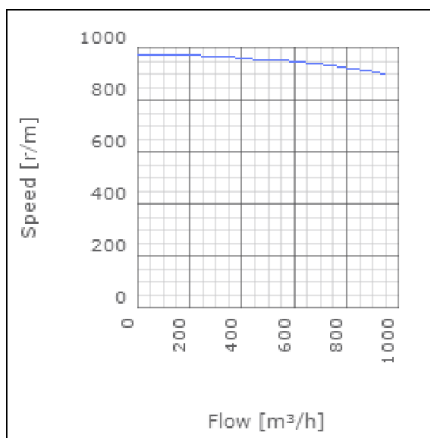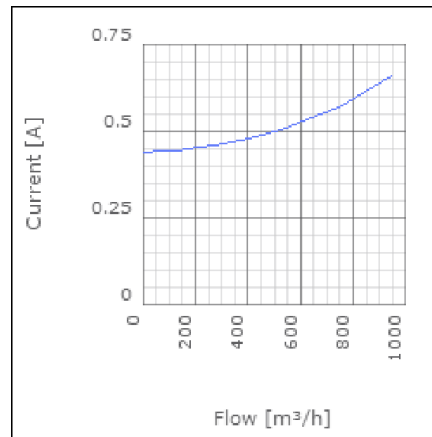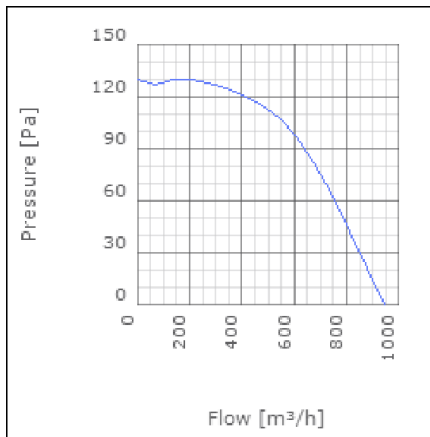IRE is a range of insulated in-line centrifugal duct fans.They provide high pressure with low sound level. The IRE fans have good sound and fire insulation qualities provided by a 50mm pad of mineral wool. The high quality ball bearing mounted external rotor motors are maintenance free. They can be speed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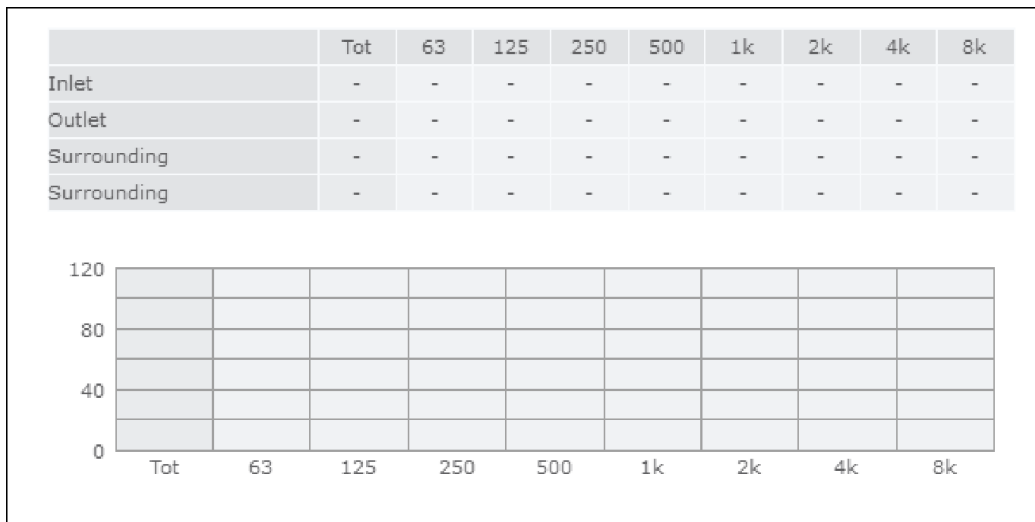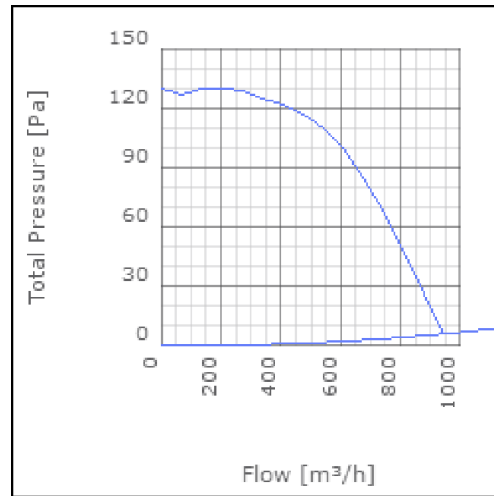

Technical data

Parameter	Value	Unit
Voltage	230	V
Phase	1	~
Frequency	50	Hz
Power	0.14	kW
Current	0.63	A
R.p.m.	900	r/m
Max. temperature of transported air	100	°C
Max. temperature of transported air when speed-controlled	100	°C
Sound pressure level at 3 m	37	dB(A)
Length	658	mm
Width	525	mm
Height	342	mm
Weight	30	kg
Enclosure class, motor	44	IP
Insulation class, motor	F	
Capacitor	3	µF
Duct connection	400x200 mm	

Diagrams

Sound

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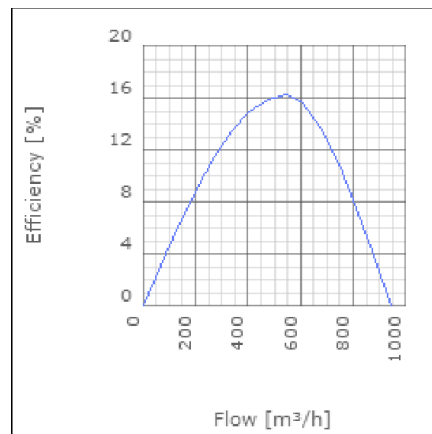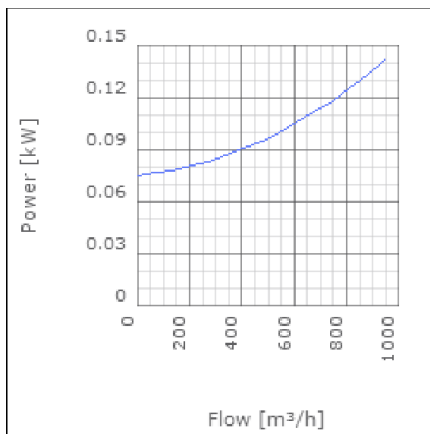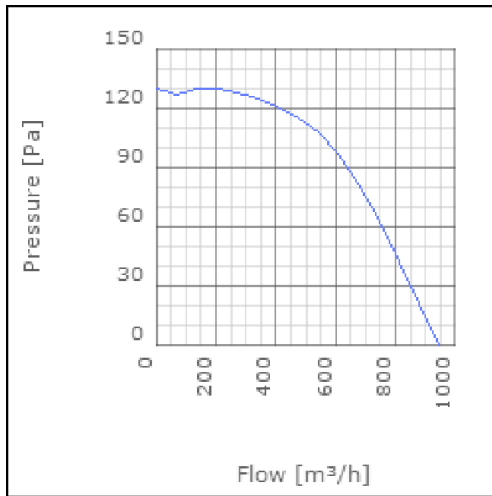
Parameter

Distance: 3.000

Propagation type: Hemi-spherical

Equivalent absorption   20.00
area:

Dimensions

```
342
200
60
400
525
658
```
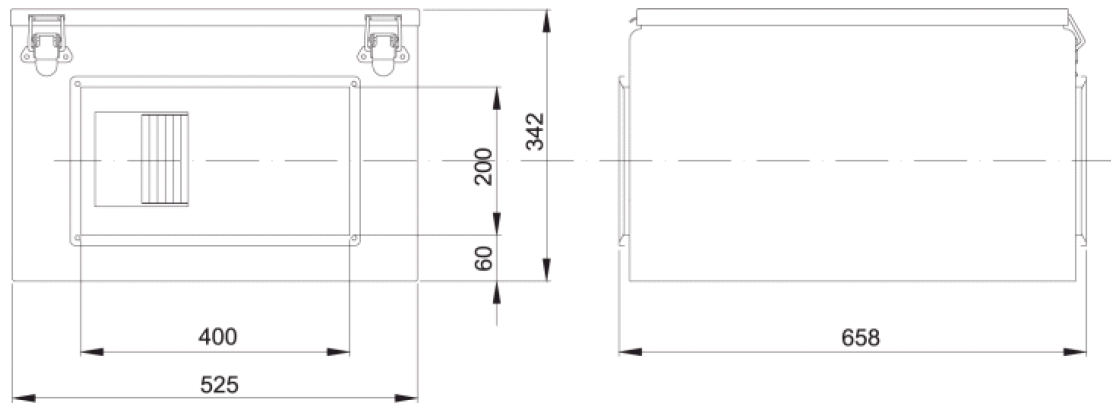
Wiring diagram

4040005

```
M
1~
```

1
2
5
4
3
5

C

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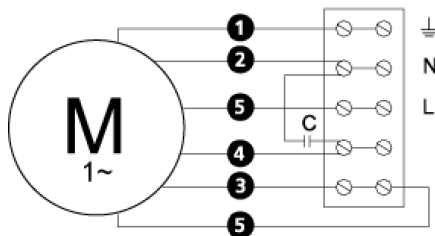
(M) = Fan Motor
(M1) = Fan Motor
(M2) = Fan Motor
(M3) = Rotor Motor
1 = Yellow/Green
2 = Black
3 = Blue
4 = Brown
5 = White (TW)
6 = Orange
7 = Grey
8 = Red
9 = Green
10 = Violet

Accessories
ETFV-94A
FRE 6
VRDE 1,5
VRS 1,0
VRTEC

Electrical accessories
FLR 400x200
DS 400x200
LDR 400x200