

## Description

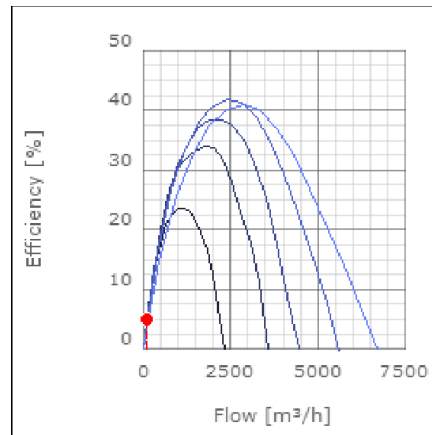
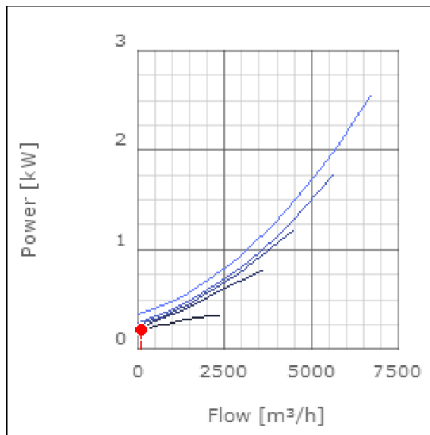
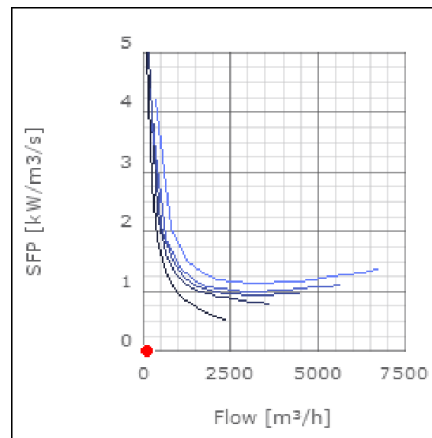
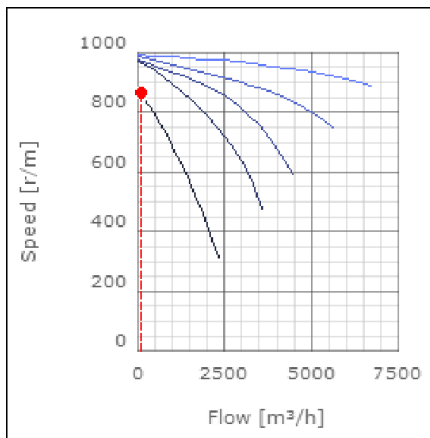
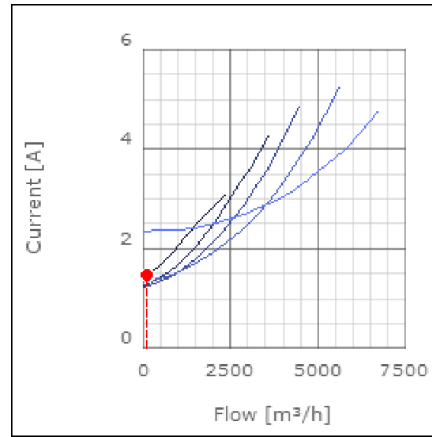
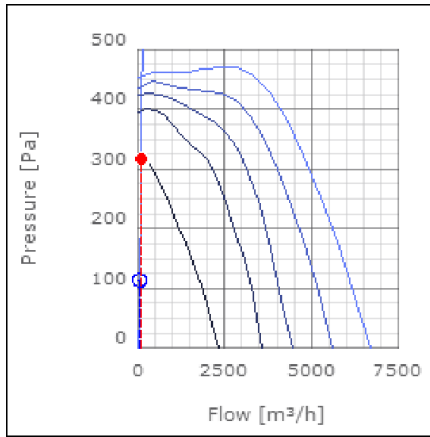
IRE is a range of insulated in-line centrifugal duct fans. They provide high pressure with low sound level. The IRE fans have good sound and fire insulation qualities provided by a 50mm pad of mineral wool. The high quality ball bearing mounted external rotor motors are maintenance free. They can be 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	400	V
Phase	3	~
Frequency	50	Hz
Power	2.54	kW
Current	4.7	A
R.p.m.	890	r/m
Max. temperature of transported air	75	°C
Max. temperature of transported air when speed-controlled	60	°C
Sound pressure level at 3 m	45	dB(A)
Length	990	mm
Width	952	mm
Height	705	mm
Weight	94	kg
Enclosure class, motor	44	IP
Insulation class, motor	F	
Duct connection	ø630 mm	

Diagrams



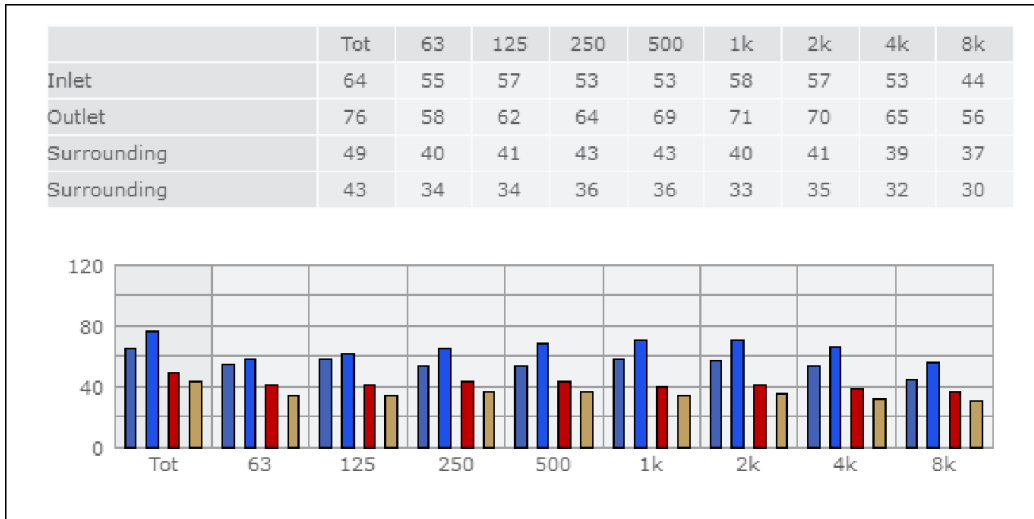
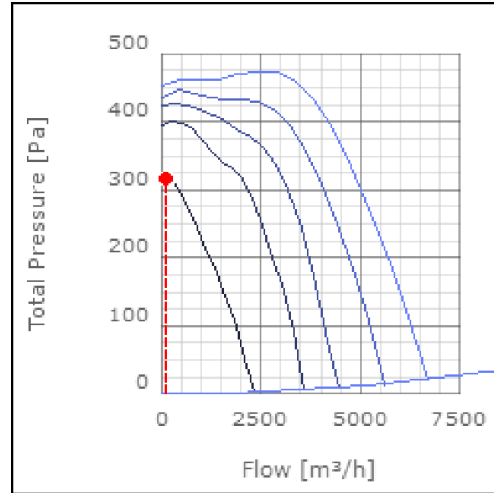
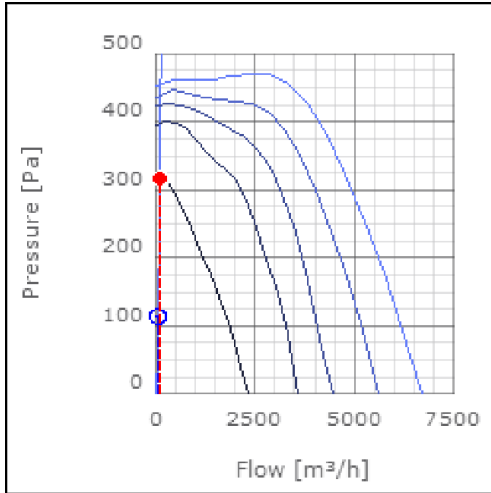
**Checked point**

Flow 68.548m<sup>3</sup>/h  
 Static pressure 112Pa

**Working point**

Flow 115.236m<sup>3</sup>/h  
 Static Pressure 318Pa  
 Power 0.2kW  
 Speed 863r/m  
 Current 1.48A  
 Voltage 95V  
 Efficiency 5.009%  
 SFP 0.01kW/m<sup>3</sup>/s

Sound



**Parameter**

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

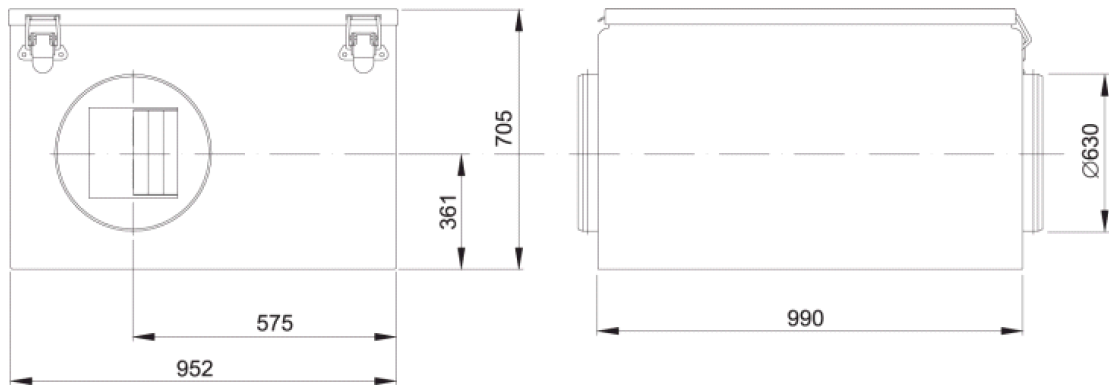
**Checked point**

Flow 68.548m³/h  
 Static pressure 112Pa

**Working point**

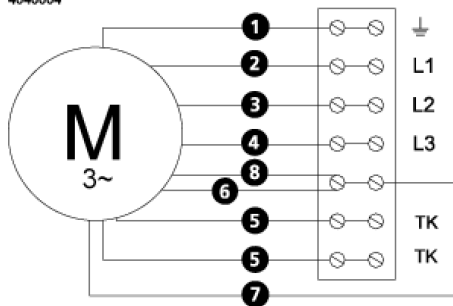
Flow 115.236m³/h  
 Static Pressure 318Pa  
 Power 0.2kW  
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 Voltage 95V  
 Efficiency 5.009%  
 SFP 0.01kW/m3/s

### Dimensions



### Wiring diagram

4040004



- (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

VRDT 7

VRTT 7

### Electrical accessories

BSV 630