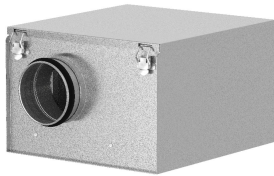
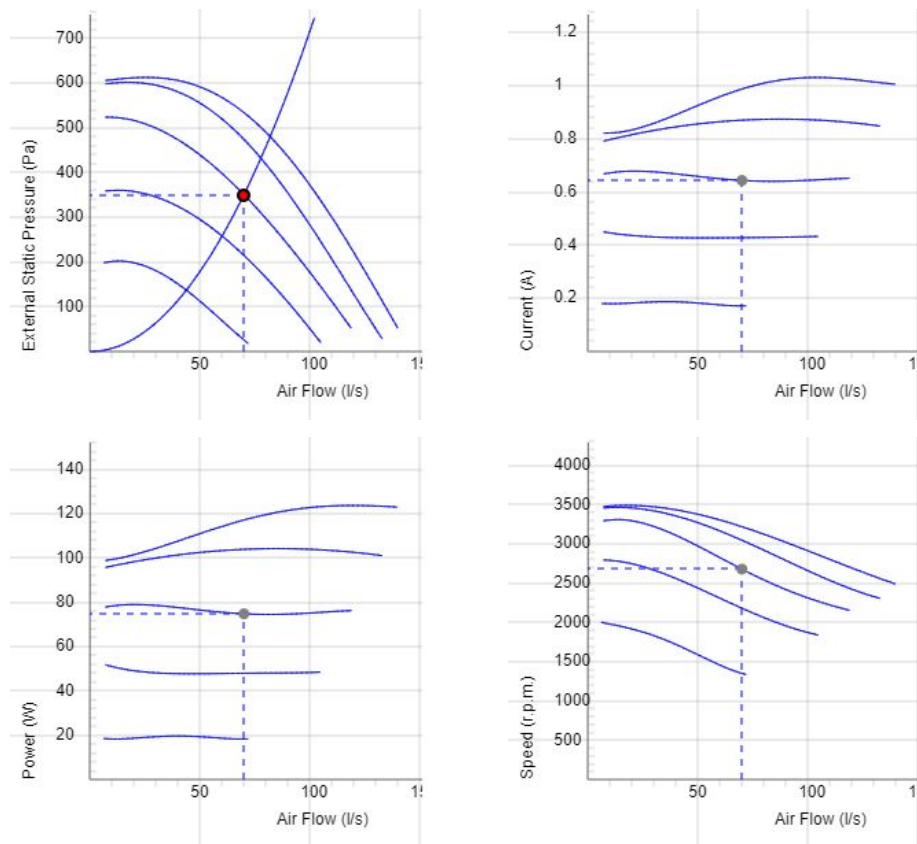


IRE 125 C1 EC



- Insulated duct fan with circular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long duct runs.
- The design priorities functionality, durability and longevity.
- Impeller with forward curved blades.
- The external rotor motor has maintenance-free sealed ball-bearings.
- Integrated motor protection.
- Junction box has enclosure class IP 54.
- Speed controlling can be done with the built-in potentiometer, 0-10 V alt. external control.
- The housing is manufactured from galvanized sheet steel.
- Duct connections are equipped with rubber seals.
- The fan is intended to be installed in a duct system.
- A duct connected fan can be installed outside or in damp environments.

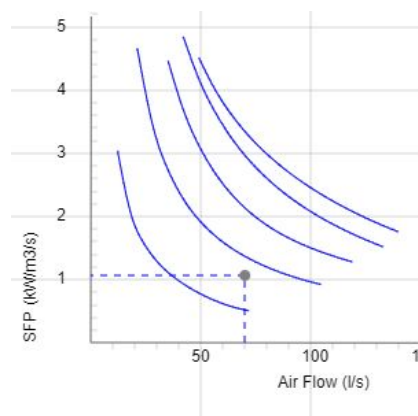
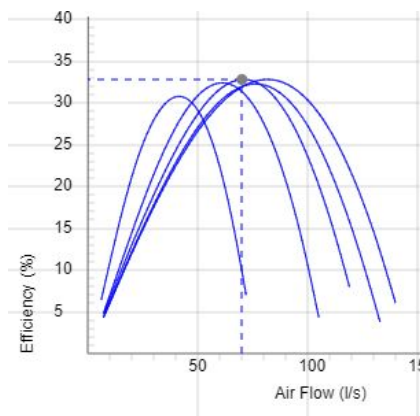
DIAGRAMS



Data

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Voltage (V)
70	350	74.8	2678	0.643	6

DIAGRAMS

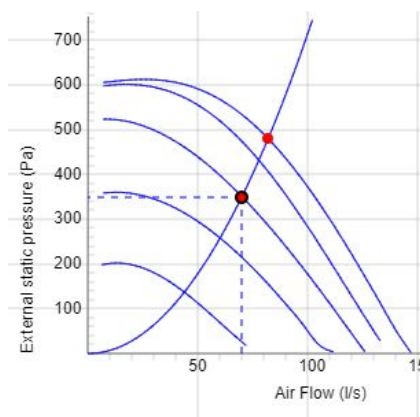


DATA

Efficiency (%)
32.8

SFP (kW/m³/s)
1.07

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Inlet Lw dB(A)	62	53	60	55	47	43	45	44	44
Outlet Lw dB(A)	79	68	69	69	71	71	72	68	68
Surrounding Lw dB(A)	49	40	45	41	40	37	37	37	33
Surrounding Lp dB (A) 20m ² Sabine, hemispherical 3m	42								

Data - SOUND

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Efficiency (%)	SFP (kW/m ³ /s)	Voltage (V)
81.9	480	74.8	2678	0.643	32.8	1.07	6

TECHNICAL DATA

IRE 125 C1 EC-y1 7900259

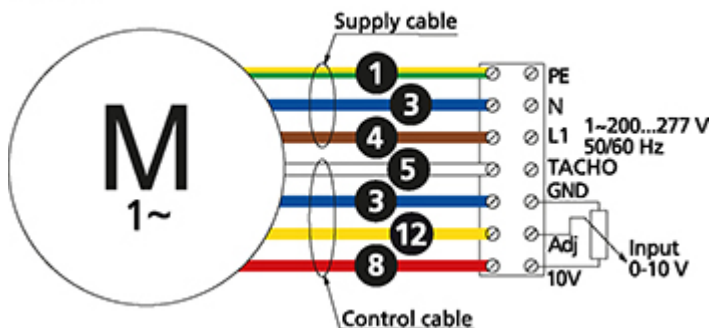
Parameter	Value	Unit
Cos	0.52	
Voltage	230	V
Phase	1	~
Frequency	50/60	Hz
Power	124	W
Current	1.03	A
Speed	2890	r.p.m.
Max. temperature of transported air	60	°C
Sound pressure level at 3 m	42	dB(A)
Weight	9.7	kg
Enclosure class	44	IP
Insulation class, motor	F	
Capacitor	-	µF
Duct connection	125	mm
Max. flow @ 0Pa	146	l/s
Max. pressure	607	Pa
Voltage range	200-277	V

PRODUCT INFORMATION SHEET

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	IRE 125 C1 EC	-
(c) Declared type	NRVU / UVU	-
(d) Type of drive	Variable speed drive	-
(e) Type of HRS	N/A	-
(f) Thermal efficiency	N/A	%
(g) Nominal flow rate	0.071	m ³ /s
(h) Effective power input	0.122	kW
(i) SFP int	N/A	W/(m ³ /s)
(j) Face velocity	5.8	m/s
(k) Nominal external pressure	570	Pa
(l) Internal pressure drop	N/A	Pa
(n) Static efficiency	38.7	%
(o) External (and internal) leakage rate	2.54 (N/A)	%
(p) Filter classification	N/A	%
(q) Visual filter warning	N/A	-
(r) Sound power level	49	dB LwA
(s) Disassembly instructions	fsp.ostberg.com	-

WIRING DIAGRAM

4040153



(M) = Fan Motor

(M1) = Fan Motor

(M2) = Fan Motor

(M3) = Rotor Motor

1 = Yellow/Green

2 = Black

3 = Blue

4 = Brown

5 = White

6 = Orange

7 = Grey

8 = Red

9 = Green

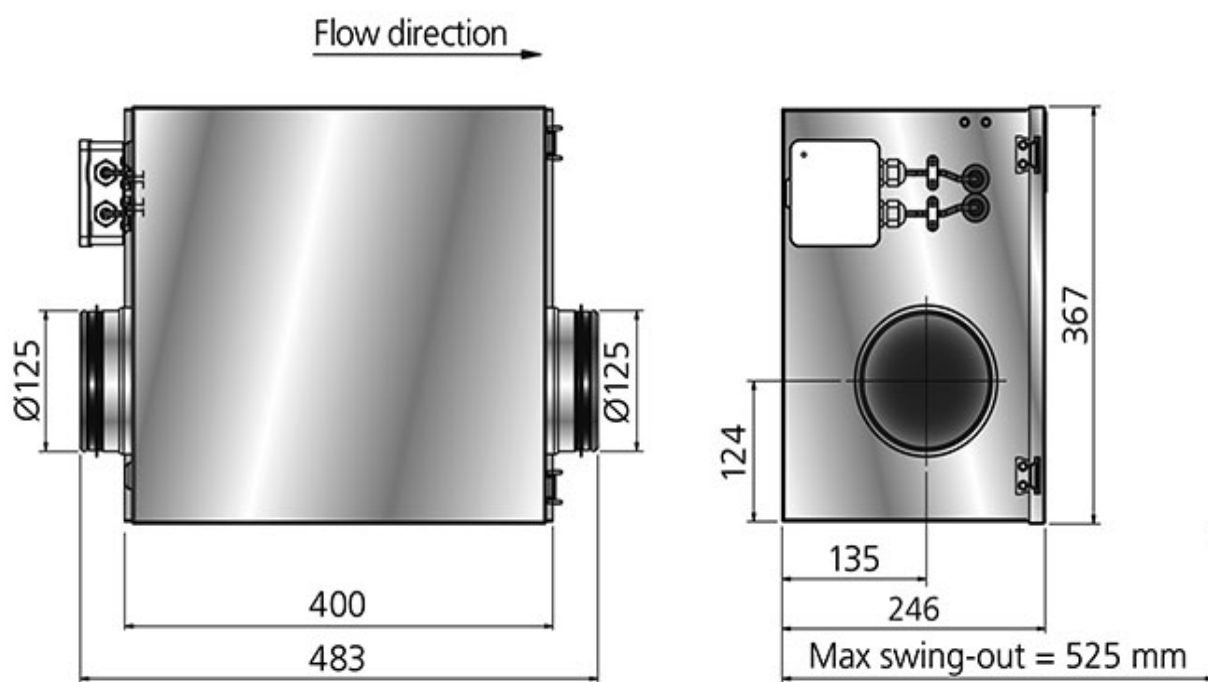
10 = Violet

11 = Quick switch

12 = Yellow

DIMENSIONS

IRE 125 C1 EC



ACCESSORIES

Mechanical accessories



Mounting bracket Kit
Universal



Mounting clamp MK
125



Safety grille BSV 125



Back draught shutter
RSK 125



Louvre YG 125



Louvre shutter VK
125



Filterbox FLK 125



Filterbox FLF 125



Silencer LDC 125

Electrical accessories



Controller IQ-Reg EC



Speed controller MS
EC



Pressure regulator
CALAIR-PR-230V



Pressure regulator
FKP-R