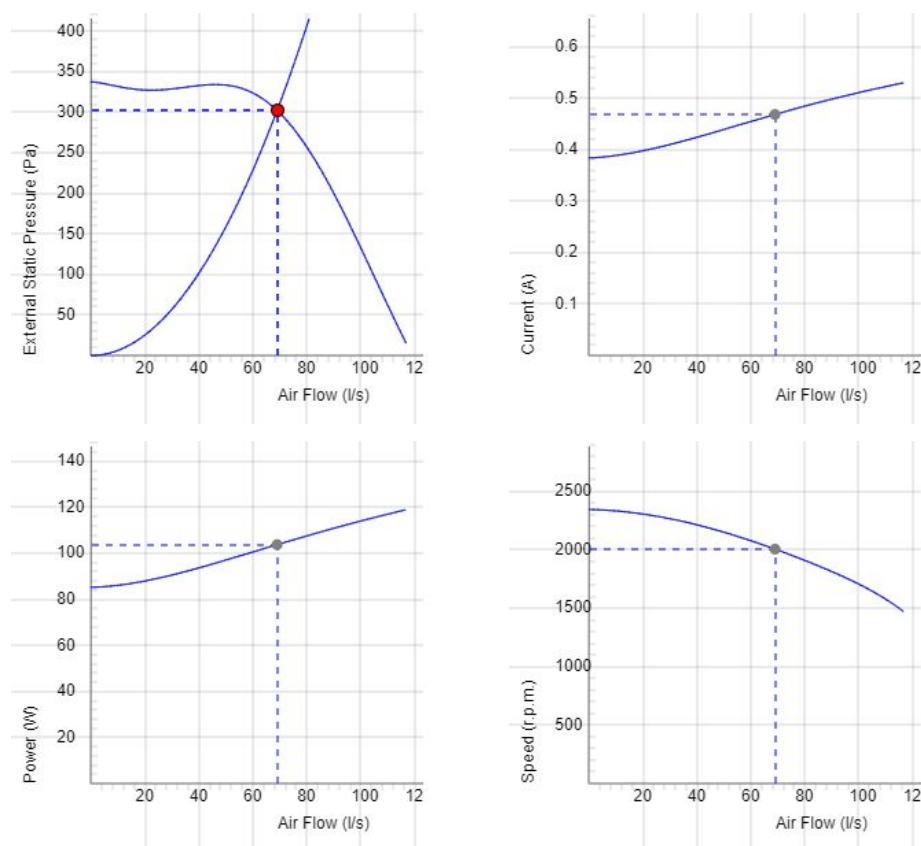


IRE 125 C1



- 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, complicated duct runs.
- The design prioritise 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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.
- To comply with the ErP 2018 regulation, a local demand controller must be used.

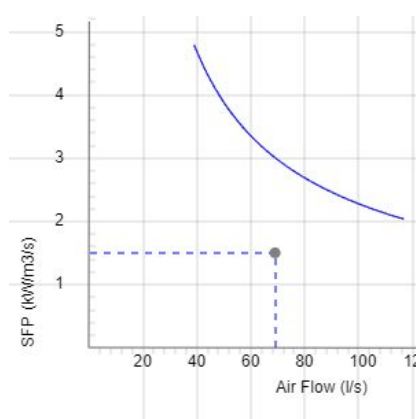
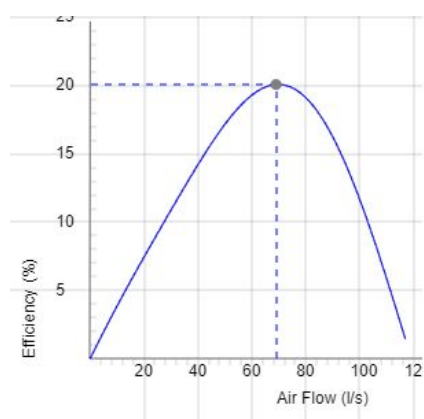
DIAGRAMS



Data

Air Flow (l/s) 69	External static pressure (Pa) 302	Power (W) 104	Speed (r.p.m.) 2006	Current (A) 0.469	Voltage (V) 230
----------------------	--------------------------------------	------------------	------------------------	----------------------	--------------------

DIAGRAMS

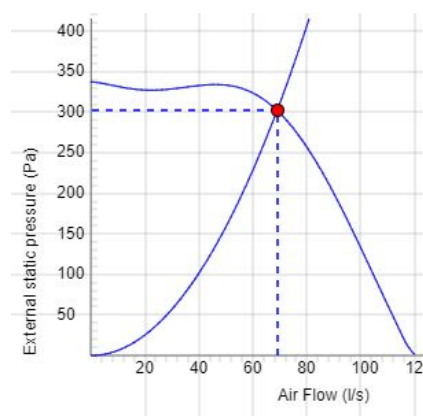


DATA

Efficiency (%)
20.1

SFP (kW/m³/s)
1.5

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Inlet Lw dB(A)	61	42	58	57	53	46	43	39	30
Outlet Lw dB(A)	71	54	62	63	65	64	62	55	46
Surrounding Lw dB(A)	44	29	36	41	36	33	30	28	28
Surrounding Lp dB (A) 20m ² Sabine, hemispherical 3m	37								

Data - SOUND

Air Flow (l/s) 69	External static pressure (Pa) 302	Power (W) 104	Speed (r.p.m.) 2006	Current (A) 0.469	Efficiency (%) 20.1	SFP (kW/m ³ /s) 1.5	Voltage (V) 230
----------------------	---	------------------	------------------------	----------------------	------------------------	-----------------------------------	--------------------

TECHNICAL DATA

Parameter	IRE 125 C1 aut tp 7900077		IRE 125 C1 man tp 7900006	
	Value	Unit	Value	Unit
Voltage	230	V	230	V
Phase	1	~	1	~
Frequency	50	Hz	50	Hz
Power	122	W	122	W
Current	0.53	A	0.53	A
Speed	1850	r.p.m.	1850	r.p.m.
Max. temperature of transported air	70	°C	70	°C
Max. temperature of transported air when speed controlled	70	°C	70	°C
Sound pressure level at 3 m	37	dB(A)	37	dB(A)
Weight	9.7	kg	9.7	kg
Enclosure class	44	IP	44	IP
Insulation class, motor	F		F	
Capacitor	4	µF	4	µF
Duct connection	125	mm	125	mm
Max. flow @ 0Pa	119	l/s	119	l/s
Max. pressure	345	Pa	345	Pa
Voltage range	220-240	V	220-240	V

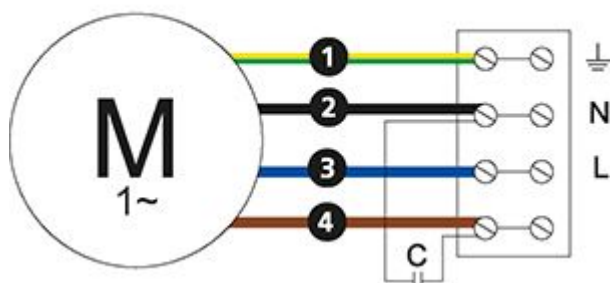
PRODUCT INFORMATION SHEET

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	IRE 125 C1	-
(c) SEC average climate	-21.8	kWh/m ²
SEC average climate, class	D	-
SEC warm climate	-6.3	kWh/m ²
SEC warm climate, class	F	-
SEC cold climate	-48.9	kWh/m ²
SEC cold climate, class	A+	-
(d) Declared type	RVU / UVU	-
(e) Type of drive	Multi-speed drive (accessory)	-
(f) Type of heat recovery	None	-
(g) Thermal efficiency	None	%
(h) Max. flow rate (@100Pa)	377	m ³ /h
(i) Power at max. flow rate	118	W
(j) Sound power level	44	dB LwA
(k) Reference flow rate	0.073	m ³ /s
(l) Reference pressure difference	287	Pa
(m) SPI	0.39	W/(m ³ /h)
(n) Type of control/ctrl factor	Local demand control(accessory)/0.65	-
(o) External (and internal) leakage rate	1.11 (N/A)	%
(p) Mixing rate	N/A	-
(q) Visual filter warning	N/A	-
(r) Instruction supply/exhaust grilles	See manual	-
(s) Disassembly instructions	fsp.ostberg.com	-
(t) Airflow sensitivity	N/A	-
(u) Air tightness	N/A	m/s
(v) AEC	259	kWh

Parameter	Value	Unit
(w) AHS average	2830	kWh
AHS warmer	1280	kWh
AHS colder	5536	kWh

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

6 = Orange

7 = Grey

8 = Red

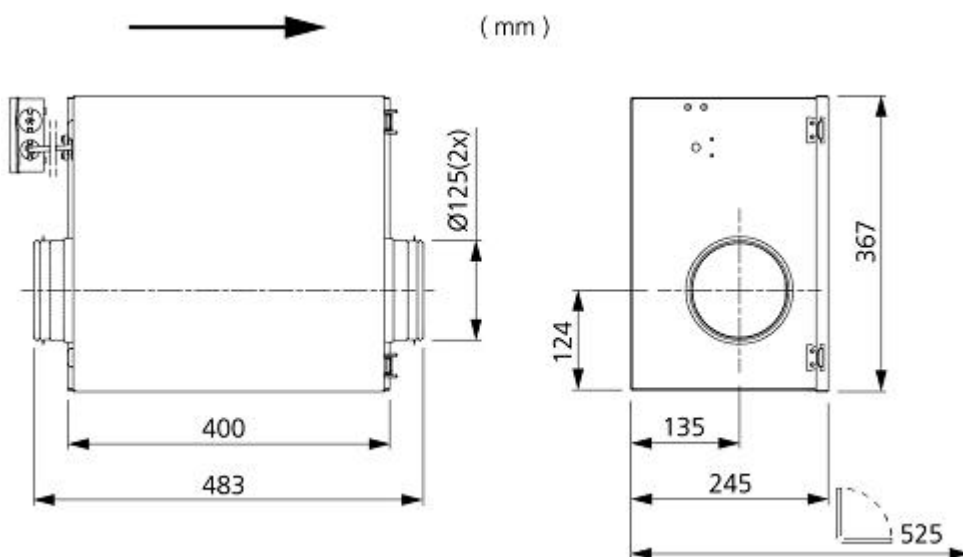
9 = Green

10 = Violet

11 = Quick switch

12 = Yellow

DIMENSIONS



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



Transformer
controller VRTE C



Transformer
controller VRDE 1.5



Speed controller VRS
1.0



Local Demand
Controller Kit