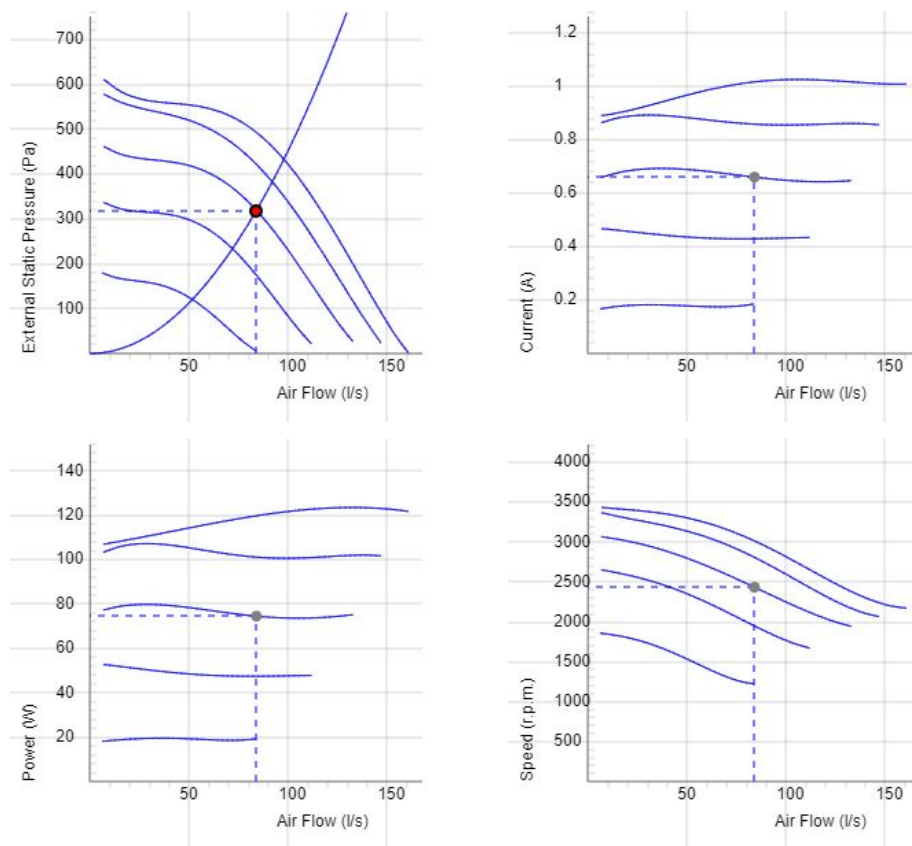


IRE 160 C1 EC



- 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.

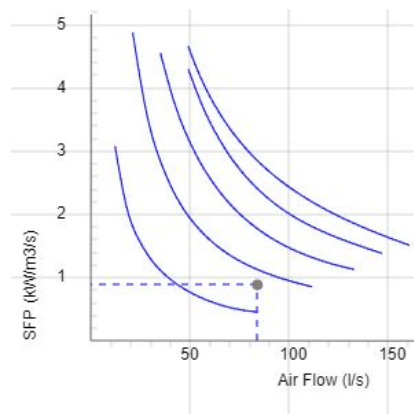
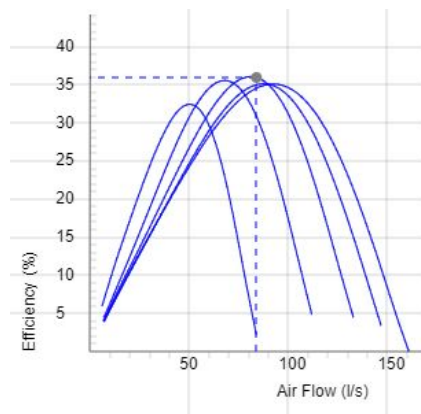
DIAGRAMS



Data

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Voltage (V)
84	319	74.5	2435	0.661	6

DIAGRAMS

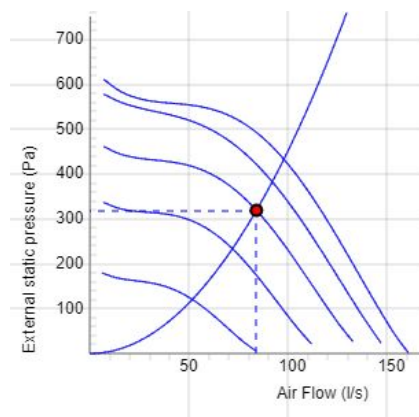


DATA

Efficiency (%)
36

SFP (kW/m³/s)
0.887

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Inlet Lw dB(A)	62	51	60	55	46	41	44	43	40
Outlet Lw dB(A)	74	62	64	65	66	66	66	65	63
Surrounding Lw dB(A)	47	37	43	40	36	34	34	31	28
Surrounding Lp dB (A) 20m ² Sabine, hemispherical 3m	40								

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)
84	319	74.5	2435	0.661	36	0.887	6

TECHNICAL DATA

IRE 160 C1 EC-y1 7900261

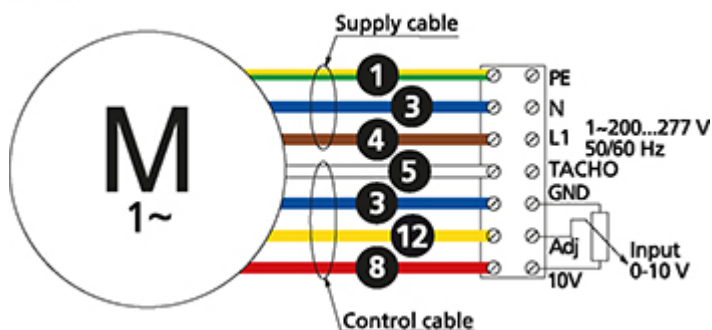
Parameter	Value	Unit
Cos	0.52	
Voltage	230	V
Phase	1	~
Frequency	50/60	Hz
Power	123	W
Current	1.02	A
Speed	2630	r.p.m.
Max. temperature of transported air	60	°C
Sound pressure level at 3 m	42	dB(A)
Weight	10.1	kg
Enclosure class	44	IP
Insulation class, motor	F	
Capacitor	-	µF
Duct connection	160	mm
Max. flow @ 0Pa	161	l/s
Max. pressure	637	Pa
Voltage range	200-277	V

PRODUCT INFORMATION SHEET

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	IRE 160 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	0.084	m ³ /s
(h) Effective power input	0.121	kW
(i) SFP int	N/A	W/(m ³ /s)
(j) Face velocity	4.2	m/s
(k) Nominal external pressure	510	Pa
(l) Internal pressure drop	N/A	Pa
(n) Static efficiency	38.7	%
(o) External (and internal) leakage rate	2.31 (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

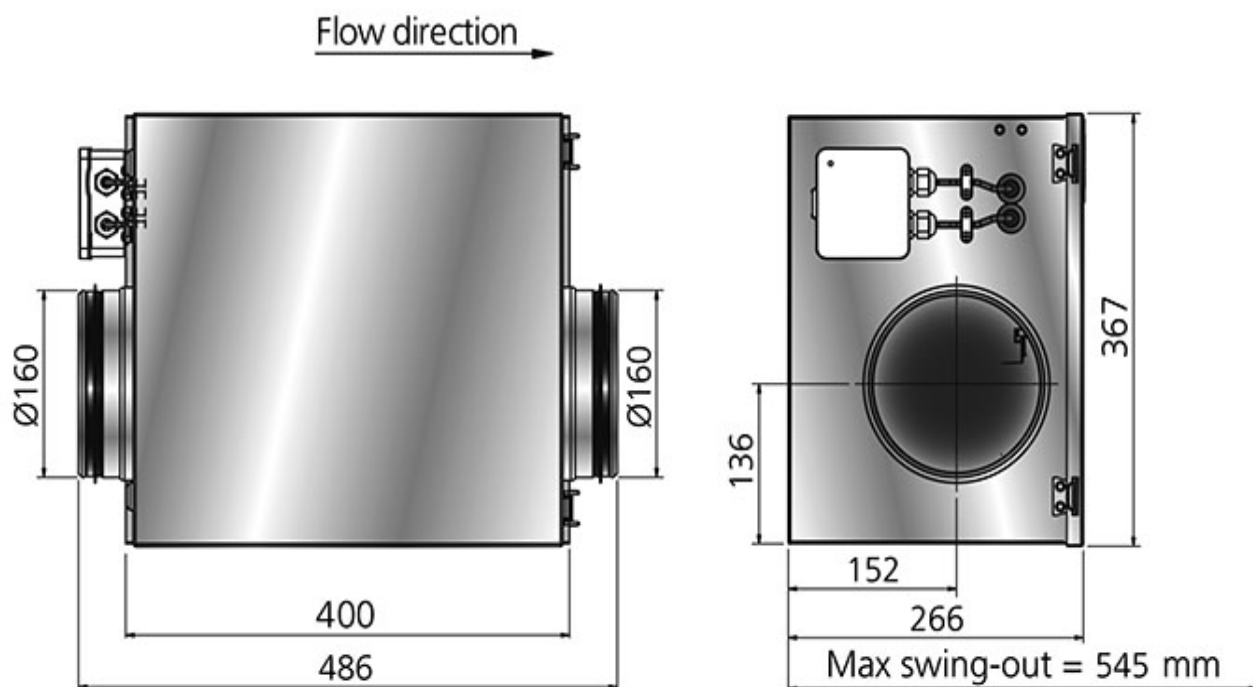
10 = Violet

11 = Quick switch

12 = Yellow

DIMENSIONS

IRE 160 C1 EC



ACCESSORIES

Mechanical accessories



Mounting bracket Kit
Universal



Mounting clamp MK
160



Safety grille BSV 160



Back draught shutter
RSK 160



Louvre shutter VK
160



Filterbox FLK 160



Filterbox FLF 160



Louvre YG 160



Silencer LDC 160

Electrical accessories



Controller IQ-Reg EC



Speed controller MS
EC



Pressure regulator
CALAIR-PR-230V



Pressure regulator
FKP-R