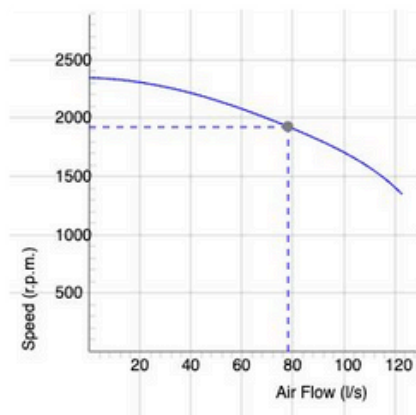
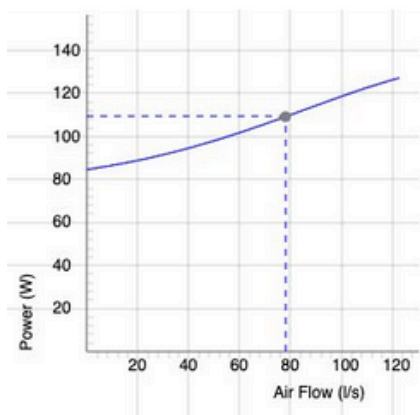
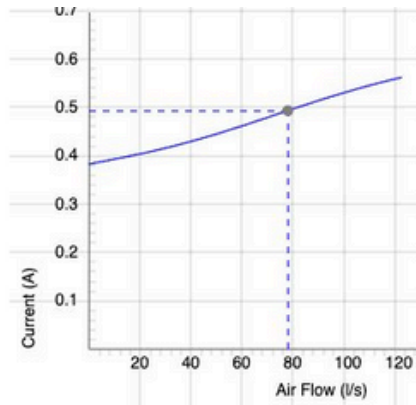
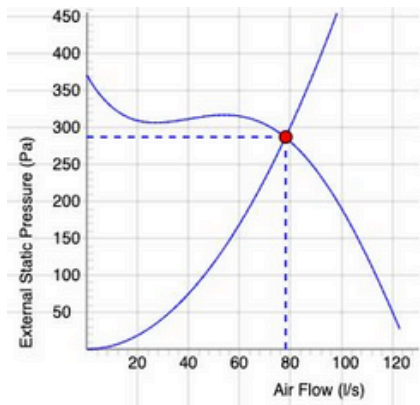


# IRE 160 C1



- 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.

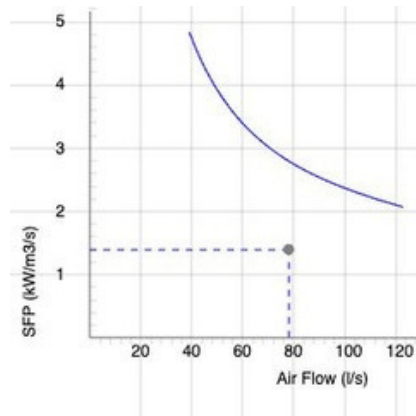
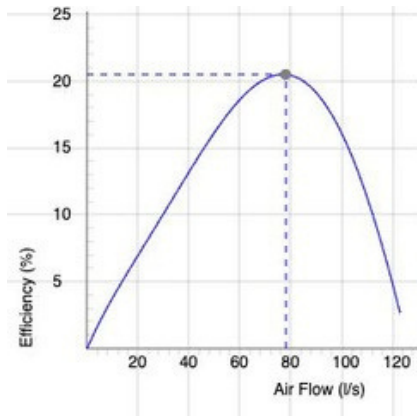
## DIAGRAMS



## Data

Air Flow (l/s) 78	External static pressure (Pa) 287	Power (W) 109	Speed (r.p.m.) 1928	Current (A) 0.493	Voltage (V) 230
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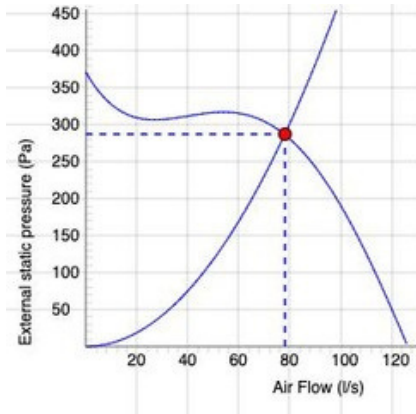
## DIAGRAMS



## DATA

Efficiency (%)	20.5
SFPv (kW/m <sup>3</sup> /s)	1.4

## SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k		
Inlet Lw dB(A) Outlet	62	44	50	57	53	46	42	38	29	63	
Lw dB(A) Surrounding	71	28	37	63	64	65	62	56	47	34	30
Lw dB(A) Surrounding	45			41	37	28	28				
Lp dB (A) 20m <sup>2</sup> Sabine, hemispherical 3m	38										

## Data - SOUND

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Efficiency (%)	SFPv (kW/m <sup>3</sup> /s)	Voltage (V)
78	287	109	1928	0.493	20.5	1.4	230

## TECHNICAL DATA

Parameter	IRE 160 C1 aut tc 7900084		IRE 160 C1 man tc 7900010	
	Value	Unit	Value	Unit
Voltage Phase Frequency Power	230 50	V ~	230 50	V ~
Current Speed Max. temperature of	0.55 127	Hz W	0.55 127	Hz W
transported air Max. temperature of	1850 70	A	1850 70	A
transported air	70	r.p.m.	70	r.p.m.
when speed controlled		°C		°C
Sound pressure level at 3 m	38	°C	38	°C
Weight	10.1	°C	10.1	°C
Enclosure class	44 F 4	dB(A)	44 F 4	dB(A)
Insulation class, motor	160	kg	160	kg
Capacitor	130	IP	130	IP
Duct connection	364		364	
Max. flow @ 0Pa	220-240		220-240	
Max. pressure				
Voltage range				
		µF		µF
		mm		mm
		l/s		l/s
		Pa		Pa
		V		V

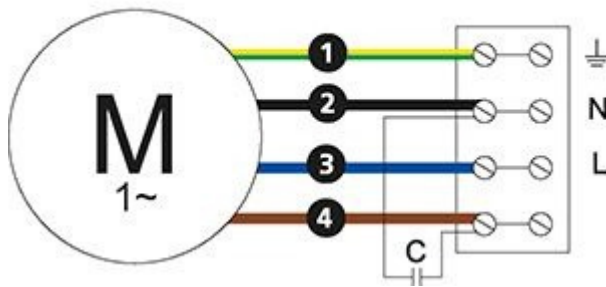
## PRODUCT INFORMATION SHEET

Parameter	Value	Unit
(a) Manufacturer	Östberg IRE 160 C1-	-
(b) Model code	-23.6 C -8.1 F -50.7 A+kWh/m	
(c) SEC average climate	RVU / UVU Multi-speed2	-
SEC average climate, class	drive	kWh/m
SEC warm climate	(accessory) None None 409	2 2 kWh/m -
SEC warm climate, class	123	
SEC cold climate	43	
SEC cold climate, class	0.120	
(d) Declared type	50	
	0.29 Local demand	
(e) Type of drive	5control(accessory)/0.	-
		- % m3/h
(f) Type of heat recovery	6	W
(g) Thermal efficiency		dB LwA
(h) Max. flow rate (@100Pa)		m3/s
(i) Power at max. flow rate		Pa
(j) Sound power level		W/(m3/h)
(k) Reference flow rate		
(l) Reference pressure difference		
(m) SPI		
(n) Type of control/ctrl factor		-
(o) External (and internal) leakage rate	0.99 (N/A) N/A	% -
(p) Mixing rate	N/A	-
(q) Visual filter warning	See manual	-
(r) Instruction supply/exhaust grilles	fsp.ostberg.com	-
(s) Disassembly instructions	N/A	-
(t) Airflow sensitivity	N/A	m/s
(u) Air tightness	188	kWh
(v) AEC		

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

## WIRING DIAGRAM

4040001



- Ⓜ = Fan Motor
- Ⓜ1 = Fan Motor
- Ⓜ2 = Fan Motor
- Ⓜ3 = 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

