

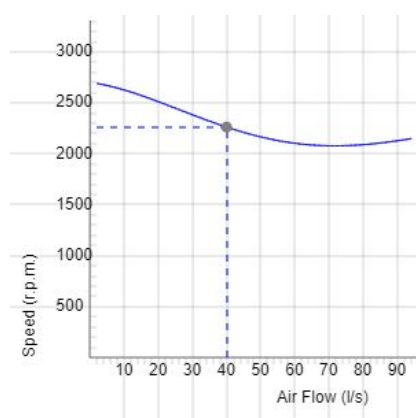
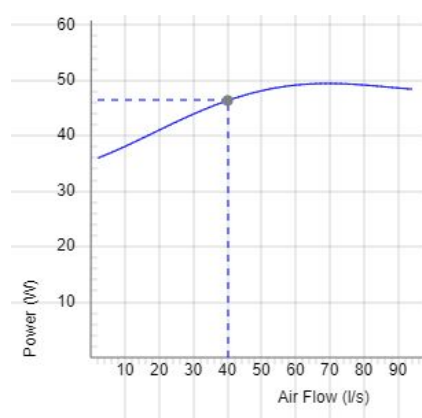
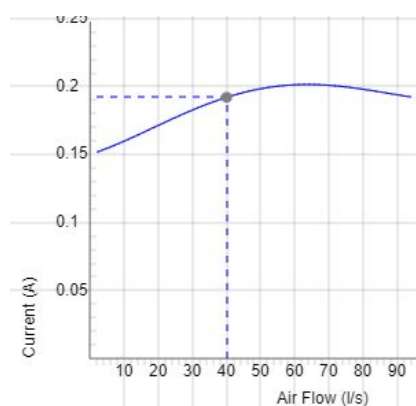
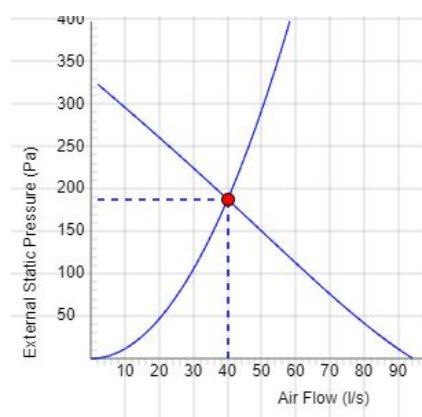
TKS 300 B1



- Roof fan with square connection.
- Horizontal outlet.
- High performance and proven reliability.
- Operational in both 50 and 60 Hz.
- Impeller with backward 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.
- Fan housing is manufactured from galvanized sheet steel which is polyester plastic coated in black as standard.
- Swing-up design to simplify maintenance and cleaning of the impeller.
- The easiest way to mount the roof fan is with a roof curb, TFU to TKS.
- The fan complies with environmental requirement M2.
- To comply with the ErP 2018 regulation, a local demand controller must be used.



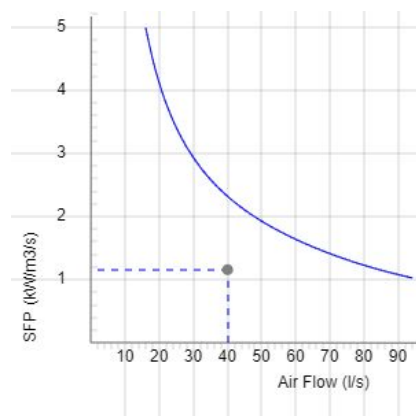
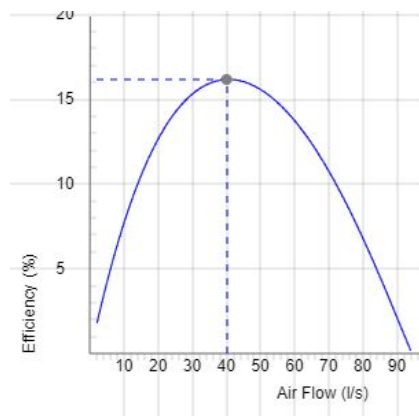
DIAGRAMS



Data

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Voltage (V)
40	188	46.4	2262	0.192	230

DIAGRAMS

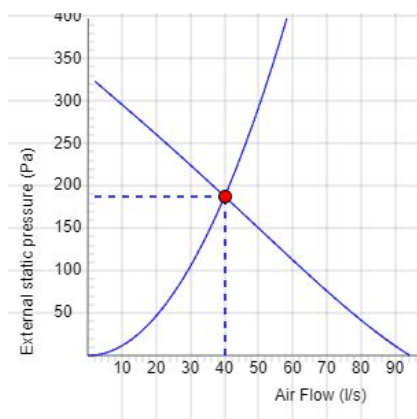


DATA

Efficiency (%)
16.2

SFP (kW/m³/s)
1.16

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Inlet Lw dB(A)	62	41	50	57	56	54	52	44	32
Surrounding Lw dB(A)	62	47	39	49	55	59	56	48	39
Surrounding Lp dB (A) 20m ² Sabine, hemispherical 3m	55								

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)
40	188	46.4	2262	0.192	16.2	1.16	230

TECHNICAL DATA

Parameter	TKS 300 B1 Black w cable 7210009		TKS 300 B1 Brick red w cable 7210029	
	Value	Unit	Value	Unit
Voltage	230	V	230	V
Phase	1	~	1	~
Frequency	50	Hz	50	Hz
Optional frequency	60	Hz	60	Hz
Power	49	W	49	W
Current	0.2	A	0.2	A
Speed	2250	r.p.m.	2250	r.p.m.
Max. temperature of transported air	80	°C	80	°C
Max. temperature of transported air when speed controlled	80	°C	80	°C
Sound pressure level at 3 m	55	dB(A)	55	dB(A)
Weight	4.3	kg	4.3	kg
Enclosure class	44	IP	44	IP
Insulation class, motor	F		F	
Capacitor	5	µF	5	µF
Max. flow @ 0Pa	94	l/s	94	l/s
Max. pressure	332	Pa	332	Pa
Voltage range	220-240	V	220-240	V

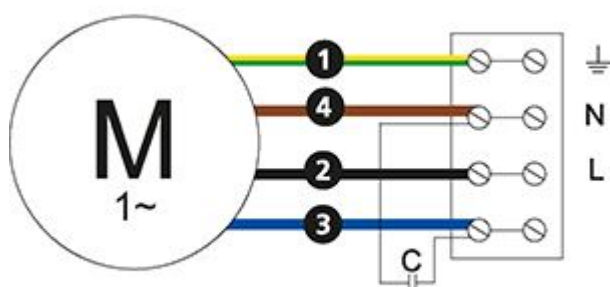
PRODUCT INFORMATION SHEET

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	TKS 300 B1	-
(c) SEC average climate	-25.4	kWh/m ²
SEC average climate, class	C	-
SEC warm climate	-9.9	kWh/m ²
SEC warm climate, class	F	-
SEC cold climate	-52.5	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)	228	m ³ /h
(i) Power at max. flow rate	49	W
(j) Sound power level	62	dB LwA
(k) Reference flow rate	0.078	m ³ /s
(l) Reference pressure difference	50	Pa
(m) SPI	0.18	W/(m ³ /h)
(n) Type of control/ctrl factor	Local demand control(accessory)/0.65	-
(o) External (and internal) leakage rate	N/A (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	115	kWh

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

WIRING DIAGRAM

4040002



(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

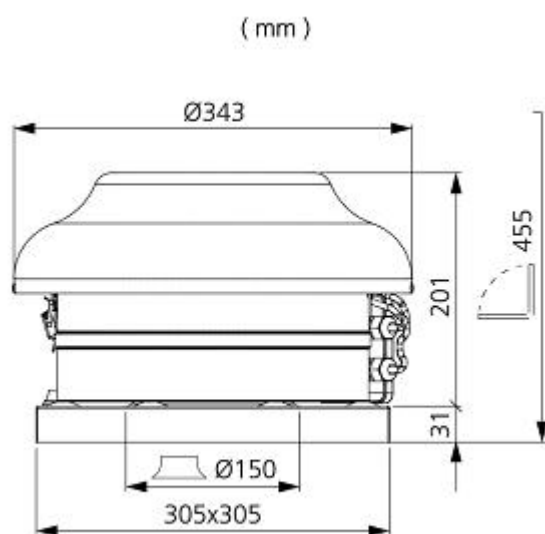
9 = Green

10 = Violet

11 = Quick switch

12 = Yellow

DIMENSIONS



ACCESSORIES

Mechanical accessories



Roof curb TFU 300



Connection plate TFU 300



Back draught shutter
TFU 300

Electrical accessories



Transformer
controller VRTE C



Transformer
controller VRDE 1.5



Speed controller VRS
0.5



Local Demand
Controller Kit