

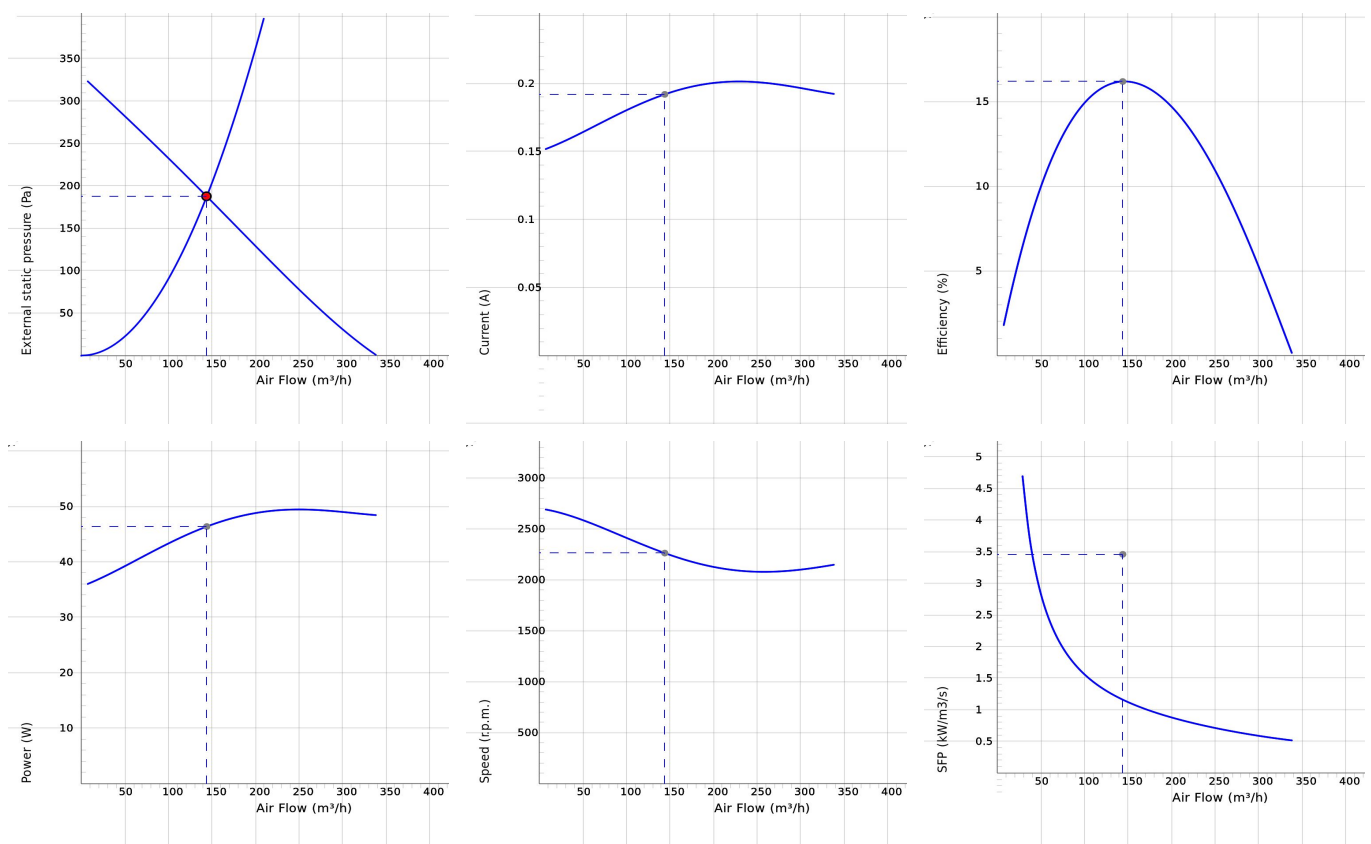
TKS 300 B



- 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.



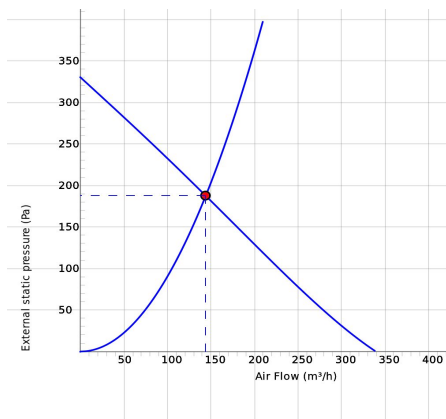
DIAGRAMS



Work Point

Air Flow (m³/h) 144	External static pressure (Pa) 188	Power (W) 46.4	Speed (r.p.m.) 2262	Current (A) 0.192	Efficiency (%) 16.2	SFP (kW/m³/s) 1.16	Voltage (V) 230
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SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Inlet Lw dB(A)	62	42	51	57	56	54	52	44	32
Surrounding Lw dB(A)	62	47	40	50	55	59	56	48	39
Surrounding Lp dB (A) 3m	55								

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TECHNICAL DATA

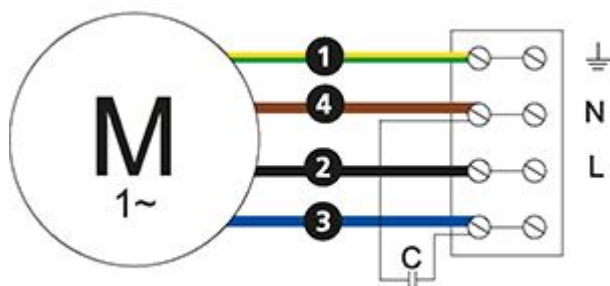
Parameter	TKS 300 B Black w cable 7210009		TKS 300 B Brick red w cable 7210029	
	Value	Unit	Value	Unit
Voltage	230	V	230	V
Phase	1	~	1	~
Frequency	50	Hz	50	Hz
Optional frequency	60	Hz	60	Hz
Power	49	W	49	W
Current	0.2	A	0.2	A
Speed	2250	r.p.m.	2250	r.p.m.
Max. temperature of transported air	80	°C	80	°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	338.40094752265	m³/h	338.40094752265	m³/h
Max. pressure	332	Pa	332	Pa
Voltage range	220-240	V	220-240	V

ECODESIGN

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	TKS 300 B	-
(c) SEC value	-25.42	kWh/m ²
SEC class	C	-
(d) Declared type	RVU / UVU	-
(e) Type of drive	Multi-speed drive (accessory)	-
(f) Type of heat recovery	N/A	-
(g) Thermal efficiency	N/A	%
(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	Local demand control	-
(o) External (and internal) leakage rate	N/A	%
(p) Mixing rate	N/A	-
(q) Visual filter warning	N/A	-
(r) Instruction supply/exhaust grilles	See manual	-
(s) Disassembly instructions	www.ostberg.com	-
(t) Airflow sensitivity	N/A	-
(u) Air tightness	N/A	m/s
(v) AEC	160	kWh
(w) AHS average	3018	kWh
AHS warmer	1365	kWh
AHS colder	5904	kWh

WIRING DIAGRAM

4040002



Ⓜ = 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

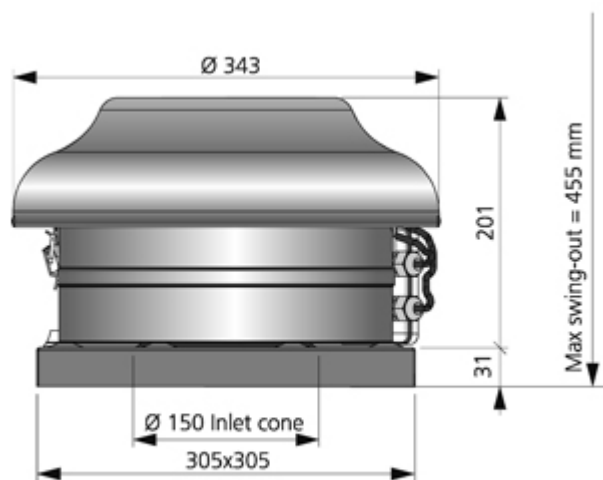
9 = Green

10 = Violet

11 = Quick switch

12 = Yellow

DIMENSIONS



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