

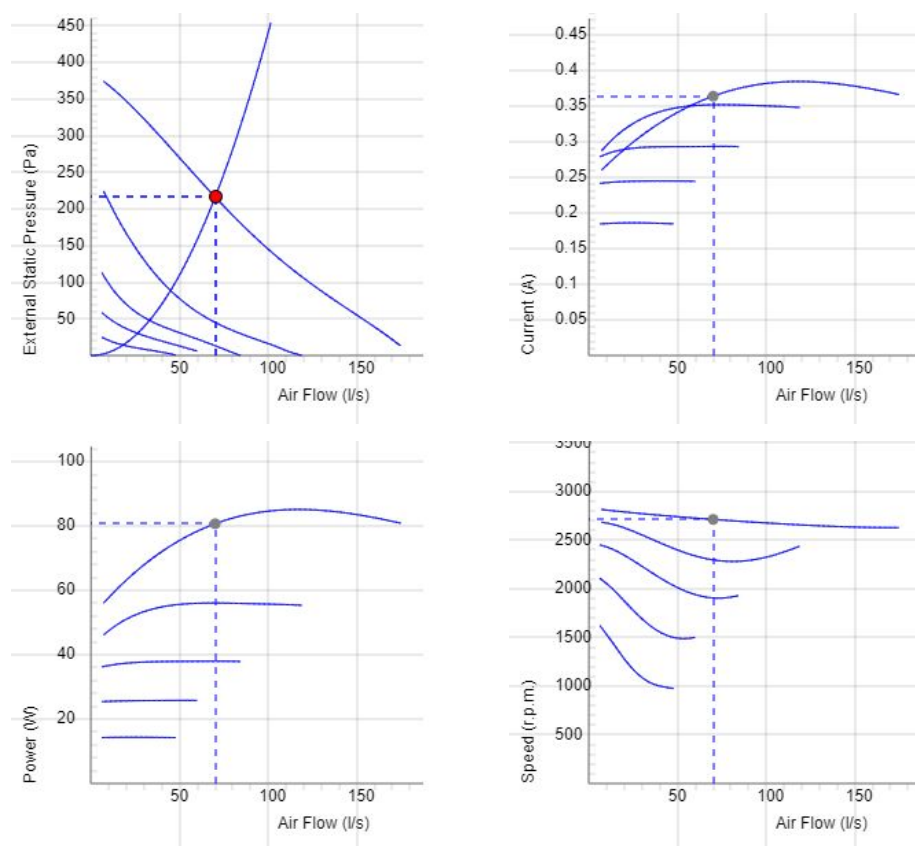
TKS 400 A1



- 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.



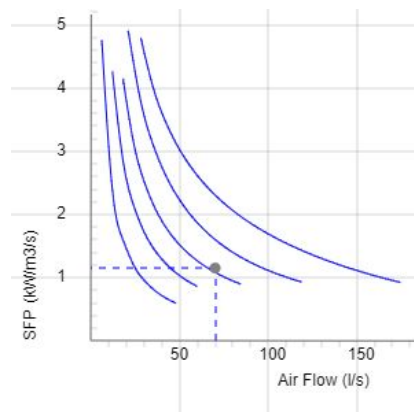
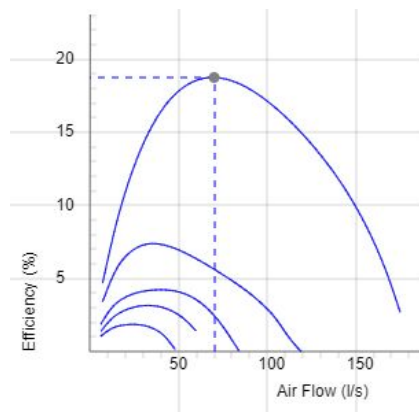
DIAGRAMS



Data

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Voltage (V)
70	216	80.7	2713	0.364	230

DIAGRAMS

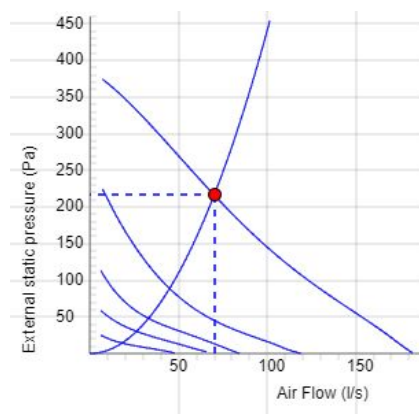


DATA

Efficiency (%)
18.8

SFP (kW/m³/s)
1.15

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Inlet Lw dB(A)	69	56	62	63	62	59	59	52	44
Surrounding Lw dB(A)	63	35	46	53	57	59	56	49	39
Surrounding Lp dB (A) 20m² Sabine, hemispherical 3m	56								

Data - SOUND

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Efficiency (%)	SFP (kW/m³/s)	Voltage (V)
70	216	80.7	2713	0.364	18.8	1.15	230

TECHNICAL DATA

Parameter	TKS 400 A1-v1 Black w cable 7210087		TKS 400 A1-v1 Brick red w cable 7210088	
	Value	Unit	Value	Unit
Voltage	230	V	230	V
Phase	1	~	1	~
Frequency	50	Hz	50	Hz
Optional frequency	60	Hz	60	Hz
Power	85	W	85	W
Current	0.38	A	0.38	A
Speed	2650	r.p.m.	2650	r.p.m.
Max. temperature of transported air	60	°C	60	°C
Max. temperature of transported air when speed controlled	60	°C	60	°C
Sound pressure level at 3 m	56	dB(A)	56	dB(A)
Weight	6.2	kg	6.2	kg
Enclosure class	44	IP	44	IP
Insulation class, motor	F		F	
Capacitor	4	µF	4	µF
Max. flow @ 0Pa	181	l/s	181	l/s
Max. pressure	387	Pa	387	Pa
Voltage range	220-240	V	220-240	V

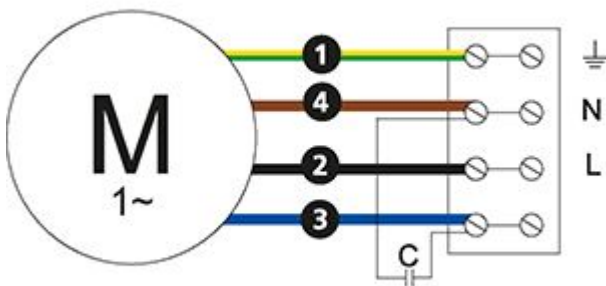
PRODUCT INFORMATION SHEET

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	TKS 400 A1	-
(c) SEC average climate	-25.8	kWh/m ²
SEC average climate, class	C	-
SEC warm climate	-10.3	kWh/m ²
SEC warm climate, class	E	-
SEC cold climate	-52.9	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	N/A	-
(g) Thermal efficiency	N/A	%
(h) Max. flow rate (@100Pa)	443	m ³ /h
(i) Power at max. flow rate	85	W
(j) Sound power level	62	dB LwA
(k) Reference flow rate	0.153	m ³ /s
(l) Reference pressure difference	83	Pa
(m) SPI	0.15	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	247	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

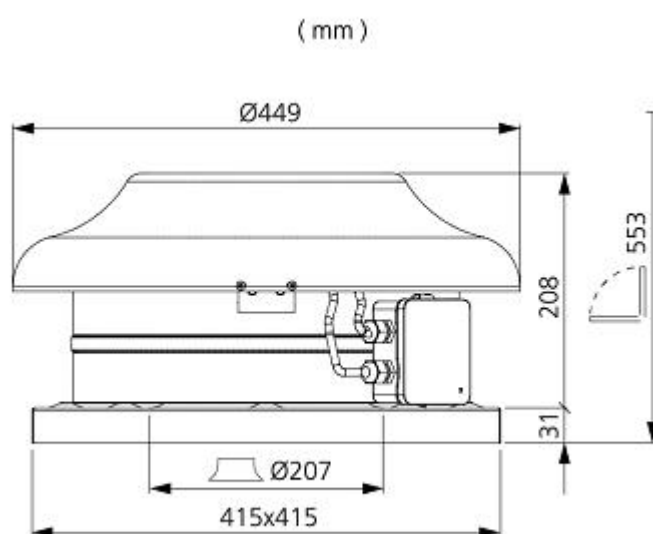
9 = Green

10 = Violet

11 = Quick switch

12 = Yellow

DIMENSIONS



ACCESSORIES

Electrical accessories



Transformer
controller VRDE 1.5



Speed controller VRS
0.5



Transformer
controller VRTE C



Local Demand
Controller Kit

Mechanical accessories



Roof curb TFU 400



Connection plate TFU
400



Back draught shutter
TFU 400