

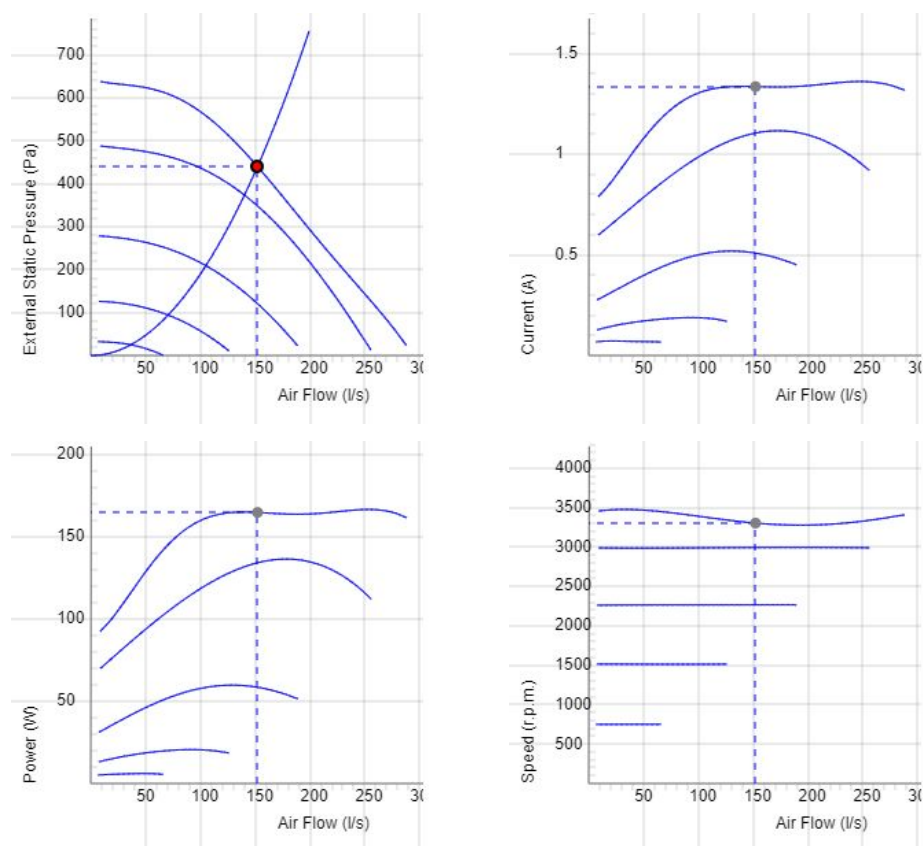
TKS 400 C1 EC



- Roof fan with square connection.
- Horizontal outlet.
- High performance and proven reliability.
- Impeller with backward curved blades.
- The external rotor motor has maintenance-free sealed ball-bearings and is very energy efficient.
- Speed controlling can be done with the built-in potentiometer, 0-10 V alt. external control.
- Integrated motor protection.
- Junction box has enclosure class IP 54.
- 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.



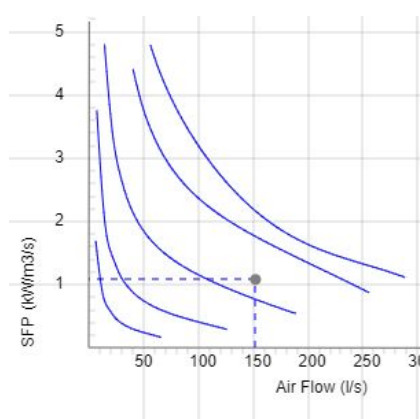
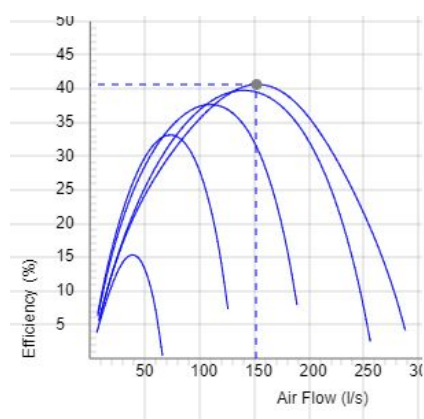
DIAGRAMS



Data

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Voltage (V)
152	440	165	3304	1.34	10

DIAGRAMS

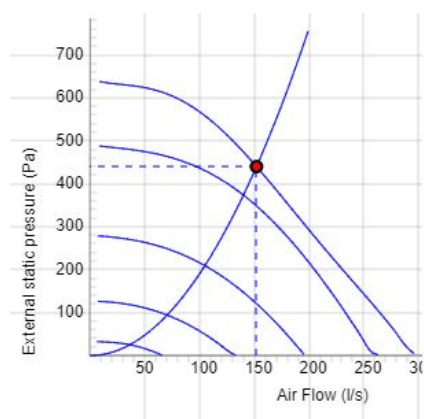


DATA

Efficiency (%)
40.6

SFP (kW/m³/s)
1.08

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Inlet Lw dB(A)	76	59	65	70	72	67	66	64	57
Surrounding Lw dB(A)	77	45	51	61	73	71	70	65	53
Surrounding Lp dB (A) 20m ² Sabine, hemispherical 3m	70								

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)
152	440	165	3304	1.34	40.6	1.08	10

TECHNICAL DATA

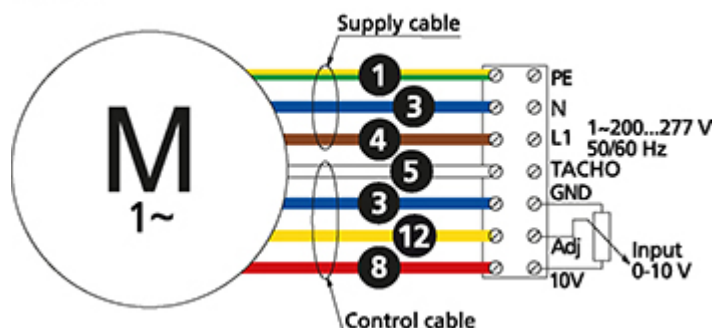
Parameter	TKS 400 C1 EC-y1 Black w. cable 7210104		TKS 400 C1 EC-y1 Brick red w. cable 7210105	
	Value	Unit	Value	Unit
Voltage	230	V	230	V
Phase	1	~	1	~
Frequency	50/60	Hz	50/60	Hz
Power	166	W	166	W
Current	1.35	A	1.35	A
Speed	3210	r.p.m.	3210	r.p.m.
Max. temperature of transported air	60	°C	60	°C
Max. temperature of transported air when speed controlled	60	°C	60	°C
Sound pressure level at 3 m	70	dB(A)	70	dB(A)
Weight	6.3	kg	6.3	kg
Enclosure class	44	IP	44	IP
Insulation class, motor	F		F	
Duct connection	400x400	mm	400x400	mm
Max. flow @ 0Pa	294	l/s	294	l/s
Max. pressure	645	Pa	645	Pa
Voltage range	200-277	V	200-277	V

PRODUCT INFORMATION SHEET

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	TKS 400 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	0.140	m ³ /s
(h) Effective power input	0.162	kW
(i) SFP int	N/A	W/(m ³ /s)
(j) Face velocity	4.5	m/s
(k) Nominal external pressure	470	Pa
(l) Internal pressure drop	N/A	Pa
(n) Static efficiency	44.2	%
(o) External (and internal) leakage rate	N/A (N/A)	%
(p) Filter classification	N/A	%
(q) Visual filter warning	N/A	-
(r) Sound power level	77	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

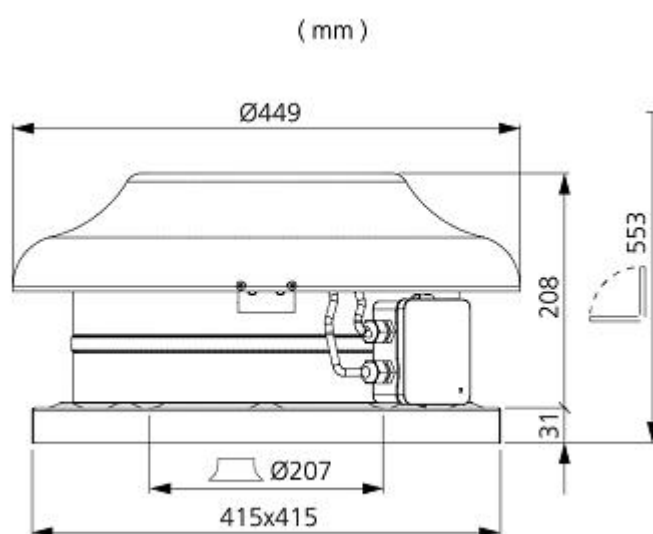
9 = Green

10 = Violet

11 = Quick switch

12 = Yellow

DIMENSIONS



ACCESSORIES

Mechanical accessories



Roof curb TFU 400



Connection plate TFU 400



Back draught shutter
TFU 400

Electrical accessories



Speed controller MS
EC



Controller IQ-Reg EC



Plejd Controller
EC



Pressure regulator
CALAIR-PR-230V



Pressure regulator
FKP-R