

Roof Fans

web-version

TKS and TKC



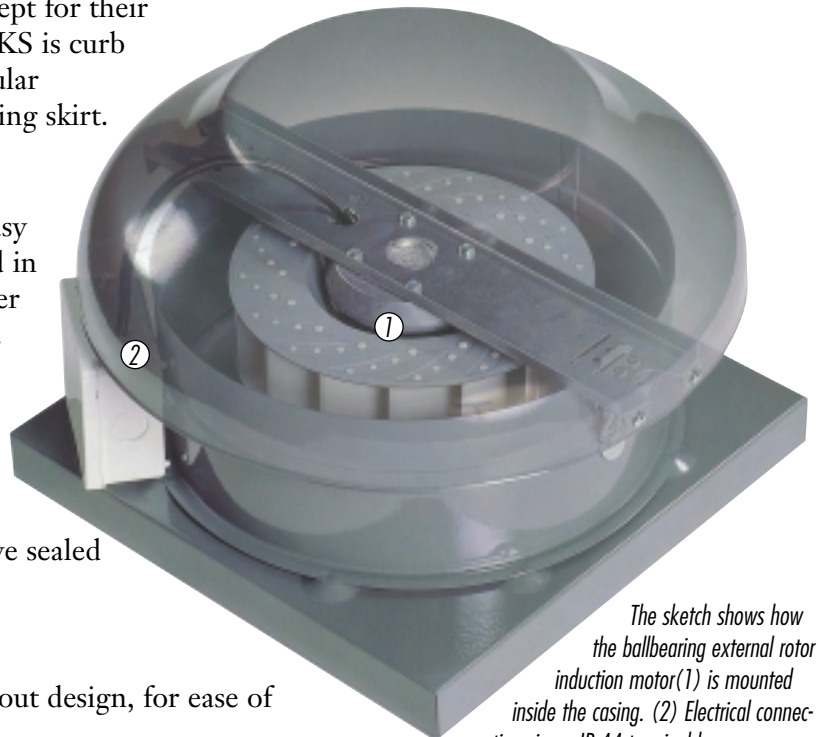
TKS and TKC are similar, except for their installation connections, the TKS is curb mounting, the TKC has a circular connection and a flat weathering skirt.

Reliability

All TKS- and TKC-fans are easy to install. They are constructed in galvanised sheet metal, polyester coated for corrosion resistance. An european external rotor-motor (speed controllable) of high quality, with backward curved impeller ensures high performance and safe operation. The motors have sealed for lifetime ball bearings.

Service

TKS and TKC have all swing-out design, for ease of cleaning and maintenance.



The sketch shows how the ballbearing external rotor induction motor(1) is mounted inside the casing. (2) Electrical connections in an IP 44 terminal box.



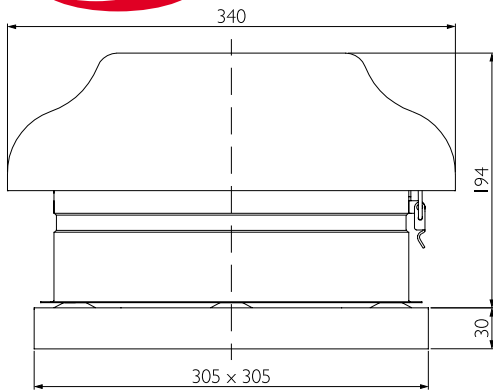


TKS 300

TKS 300 is a side discharge roof extract unit, with swing-out motor and impeller for ease of installation and maintenance. It is suitable for curb mounting and can be supplied with a square roof curb (TF) and silencer.



TKS 300



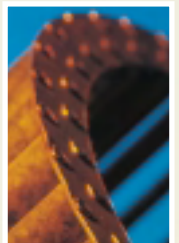
Inlet ϕ : D1= 168 mm, D2= 124 mm.

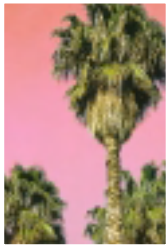


Ideas grow in the design office. Auto-CAD is used to transmit ideas into drawings. Advanced computer programs do, already at this stage, calculate the fan-datas.



Swing-out is standard on all TK-fans. A simple hand grip and they are ready for inspection and cleaning.



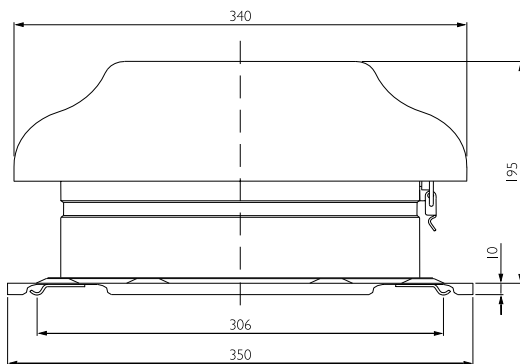


TKC 300

TKC 300 is a side discharge roof extract unit, with swing-out motor and impeller for ease of installation and maintenance. It is suitable for curb mounting and can be supplied with a circular roof curb (TG) and silencer.



TKC 300



Inlet ϕ : D1= 168 mm, D2= 124 mm.

Technical data

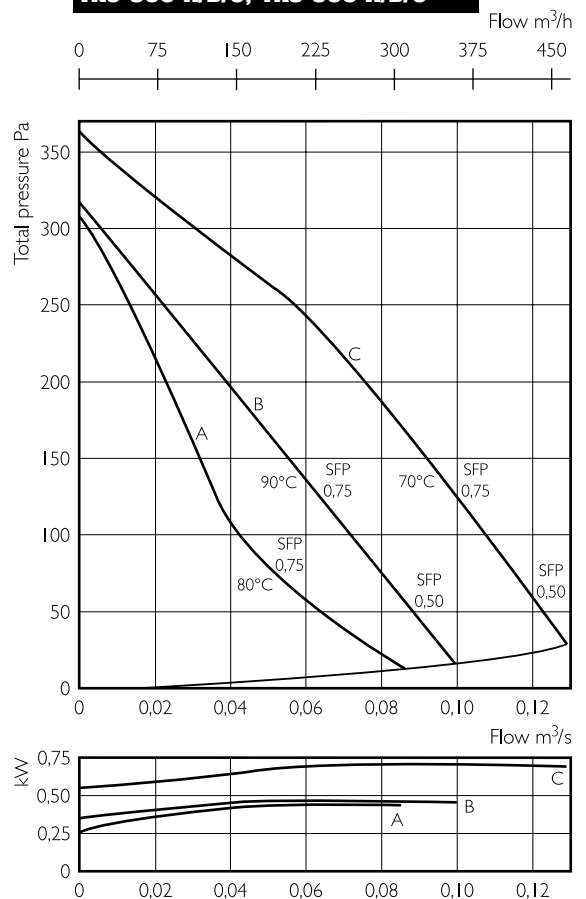
Roof extract unit TKC, TKS		300 A	300 B	300 C
Voltage	V	230	230	230
Current	A	0.19	0.20	0.31
Input watts	W	44	45	71
Speed	Rpm	1700	2250	2460
Weight	kg	4.1	4.1	4.1
No.		4040002	4040002	4040001

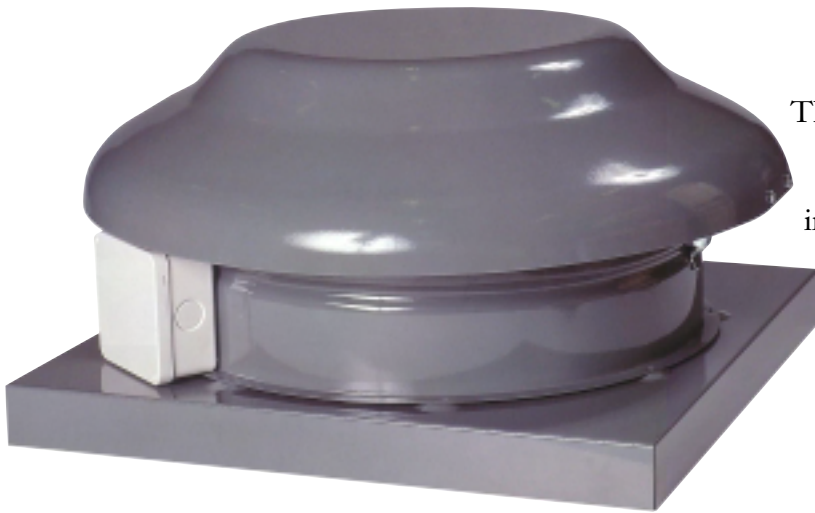
Sound data

Type of fan	Flow/ Total pressure		L_{pA} dB(A)	L_{wA} tot								
					63	125	250	500	1k	2k	4k	8k
TKS/TKC 300 A	32 l/s 155 Pa	Inlet	48	55	37	47	50	49	47	44	34	19
		Inlet with TFU	39	46	34	41	42	38	37	30	16	9
		To environment	49	56	48	33	44	48	52	48	39	33
TKS/TKC 300 B	53 l/s 150 Pa	Inlet	54	61	42	50	57	55	54	52	44	31
		Inlet with TFU	45	52	40	43	49	44	43	37	25	12
		To environment	55	62	48	38	50	54	59	56	48	39
TKS/TKC 300 C	70 l/s 217 Pa	Inlet	58	65	46	53	60	59	58	57	49	38
		Inlet with TFU	49	56	43	47	52	49	47	42	31	20
		To environment	60	67	48	40	54	58	64	62	54	45

Explanations to Sound data,
We preserve the right to changes without further notice.

TKC 300 A/B/C, TKS 300 A/B/C

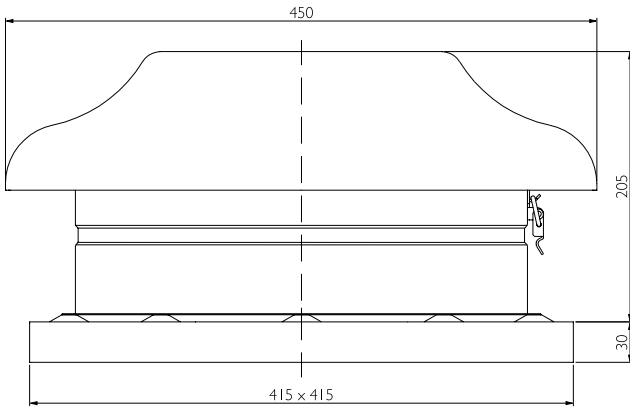




TKS 400

TKS 400 is a side discharge roof extract unit, with swing-out motor and impeller for ease of installation and maintenance. It is suitable for curb mounting and can be supplied with a square roof curb (TF) and silencer.

TKS 400



Inlet \varnothing : D1=206 mm, D2=160 mm



In a special plant prototypes are built and tested, all to make sure we can supply our customers with high quality products. Some of them will not fulfill our demands, while others will be standard products.



You find our fans in all EU-countries.



We preserve the right to changes without further notice.

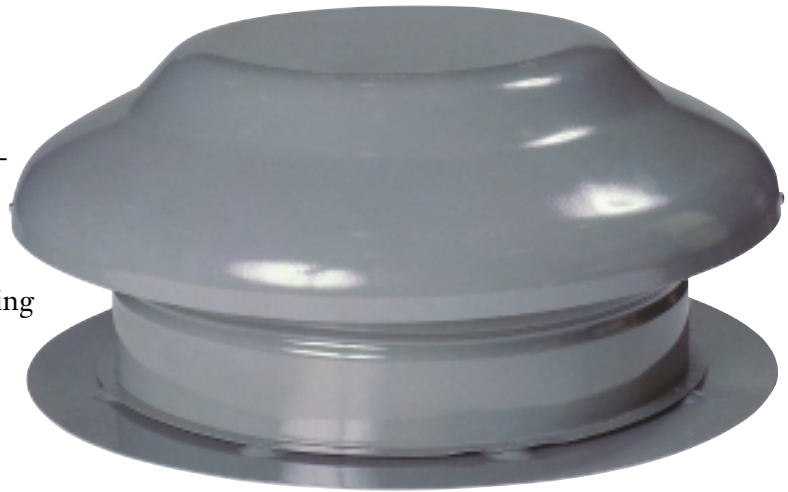




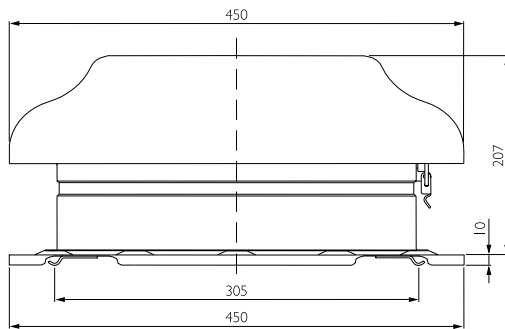
TKC 400

TKC 400 is a side discharge roof extract unit, with swing-out motor and impeller for ease of installation and maintenance.

It is suitable for curb mounting and can be supplied with a circular roof curb (TG) and silencer.



TKC 400



Inlet ϕ : D1=206 mm, D2=160 mm. See page 26.

Technical data

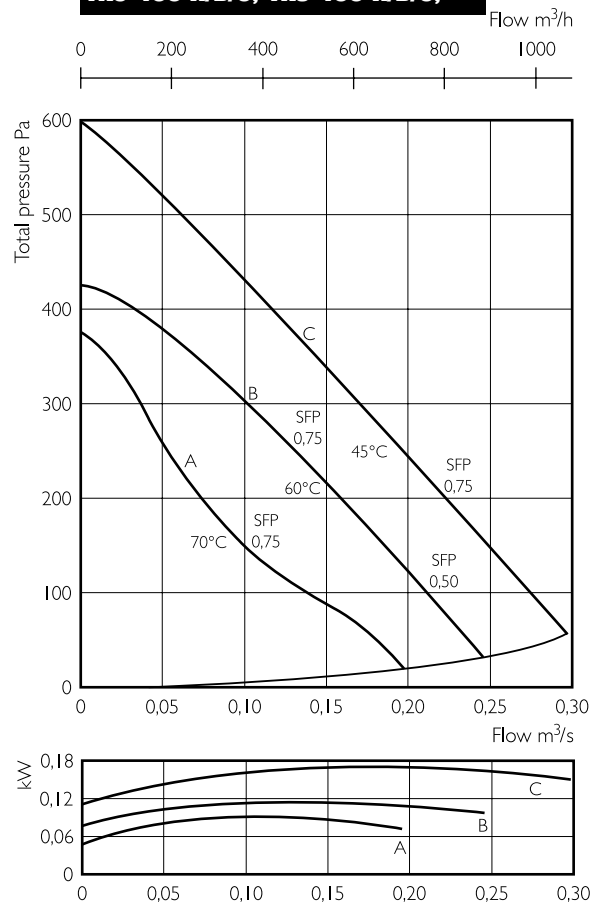
Roof extract unit TKC, TKS		400 A	400 B	400 C
Voltage	V	230	230	230
Current	A	0.42	0.50	0.76
Input watts	W	91	113	172
Speed	Rpm	1850	2580	2420
Weight	kg	5.5	5.5	5.5
Wiring,	No.	4040002	4040001	4040001

Sound data

Type of fan	Flow/ Total pressure		L_{pA}		L_{WA}							
			dB(A)	tot	63	125	250	500	1k	2k	4k	8k
TKS/TKC 400 A	110 l/s 135 Pa	Inlet	58	65	46	58	60	59	57	52	44	30
		Inlet with TFU	48	55	41	52	50	48	42	31	25	17
		To environment	58	65	42	44	56	60	60	57	51	38
TKS/TKC 400 B	150 l/s 230 Pa	Inlet	65	72	50	61	68	67	64	59	53	40
		Inlet with TFU	54	61	44	54	57	55	48	38	35	27
		To environment	65	72	44	47	63	66	67	65	60	48
TKS/TKC 400 C	180 l/s 300 Pa	Inlet	64	71	54	62	64	67	63	58	57	48
		Inlet with TFU	54	61	49	55	53	58	49	42	40	35
		To environment	69	76	48	48	61	69	72	70	63	57

Explanations to Sound data,
We preserve the right to changes without further notice.

TKC 400 A/B/C, TKS 400 A/B/C,





TKK

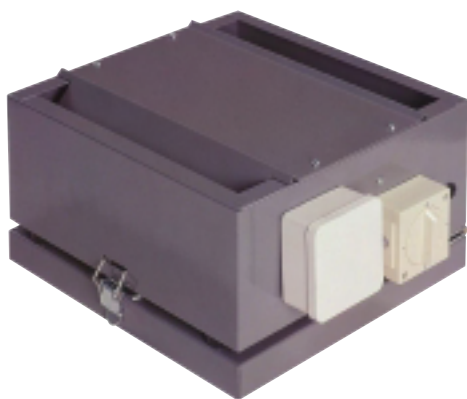
TKK is a roof extract unit with vertical discharge and swing-out of motor and impellar for ease of installation and maintenance. It is suitable for curb mounting and can be supplied with a roof curb (TF) and a silencer.



Reliability

All TKK 300- and 400-fans are easy to install. They are constructed in galvanised sheet metal, polyester plastic coated for corrosion resistance. A european external rotor-motor (speed controllable) of high quality, with backward curved impellar, ensures high performance and safe operation. The motor has sealed for lifetime bearings.

The sketch shows how the ballbearing external rotor induction motor(1) is mounted inside the casing.
(2) Electrical connections in an IP 44 terminal box.



TKK 300

TKK 300 can be supplied in two versions. TKK 300 A with a max. flow of 320 m³/h and TKK 300 C with max. 520 m³/h.

Sound data

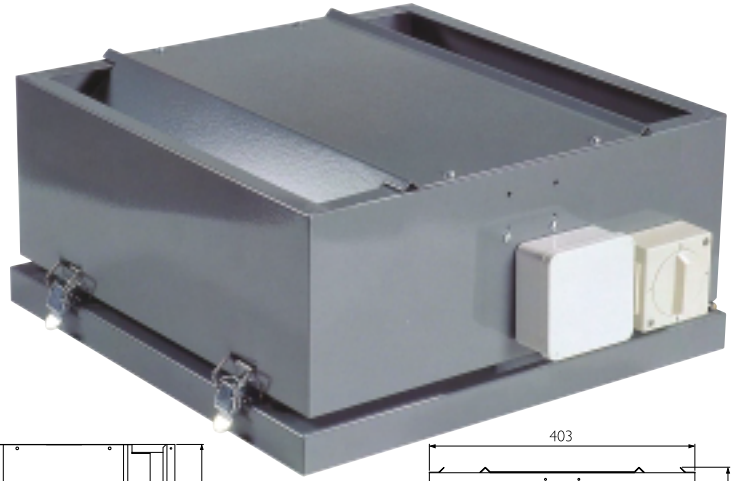
Type of fan	Flow/ Total pressure		L _{pA}		L _{wA}							
			dB(A)	tot	63	125	250	500	1k	2k	4k	8k
TKK 300 A	30 l/s, 120 Pa	Inlet	50	57	44	50	53	50	46	42	34	19
		Inlet with TFU	42	49	40	45	45	41	38	32	18	3
		To environment	50	57	43	38	47	52	51	49	41	35
TKK 300 C	100 l/s, 190 Pa	Inlet	59	66	51	57	61	61	59	57	50	38
		Inlet with TFU	51	58	47	51	53	52	49	45	34	22
		To environment	62	69	42	45	57	63	64	65	59	47
TKK 400 A	110 l/s, 108 Pa	Inlet	55	62	44	54	57	57	55	49	41	26
		Inlet with TFU	44	51	39	46	47	44	37	29	23	13
		To environment	58	65	41	41	57	59	58	60	52	37
TKK 400 B	148 l/s, 232 Pa	Inlet	65	72	51	60	66	68	64	58	54	42
		Inlet with TFU	53	60	47	53	55	56	47	39	36	27
		To environment	68	75	43	48	64	69	68	71	65	52
TKK 400 C	167 l/s, 338 Pa	Inlet	64	71	52	59	62	68	63	59	56	49
		Inlet with TFU	54	61	49	54	53	58	50	42	39	35
		To environment	69	76	49	50	63	71	71	70	66	59
TKK 400 D	250 l/s, 280 Pa	Inlet	65	72	54	61	64	68	64	60	59	50
		Inlet with TFU	56	63	50	55	54	61	52	44	40	34
		To environment	72	79	44	49	63	74	73	73	68	61

Explanations to Sound data

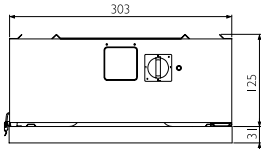
We preserve the right to changes without further notice.

TKK 400

TKK 400 is one of our best selling roof extract units, with a maximum flow of 1240 m³/h. Roof curb with silencer are accessories.

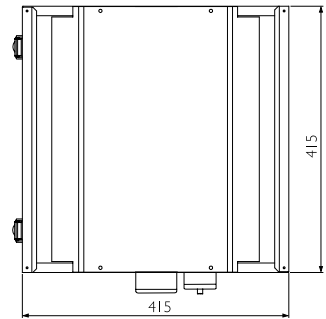
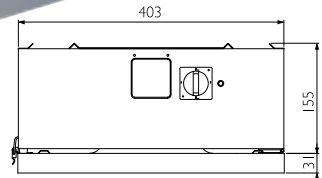


TKK 300



Inlet ϕ :
D1=168 mm, D2=124 mm.
See page 26.

TKK 400

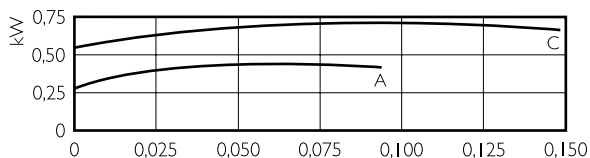
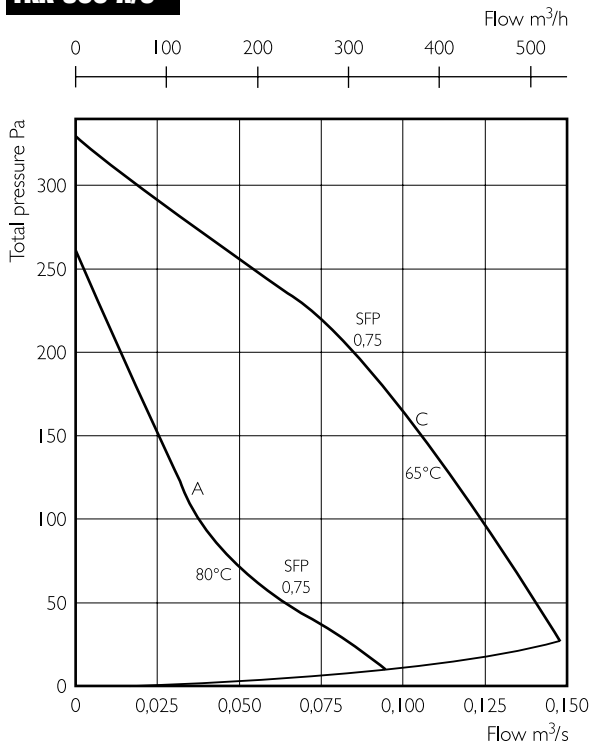


Inlet ϕ : D1=206 mm, D2=160 mm.

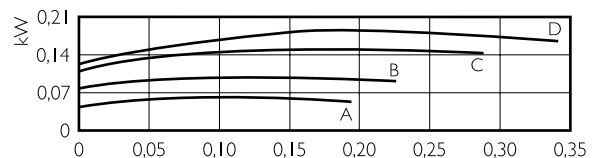
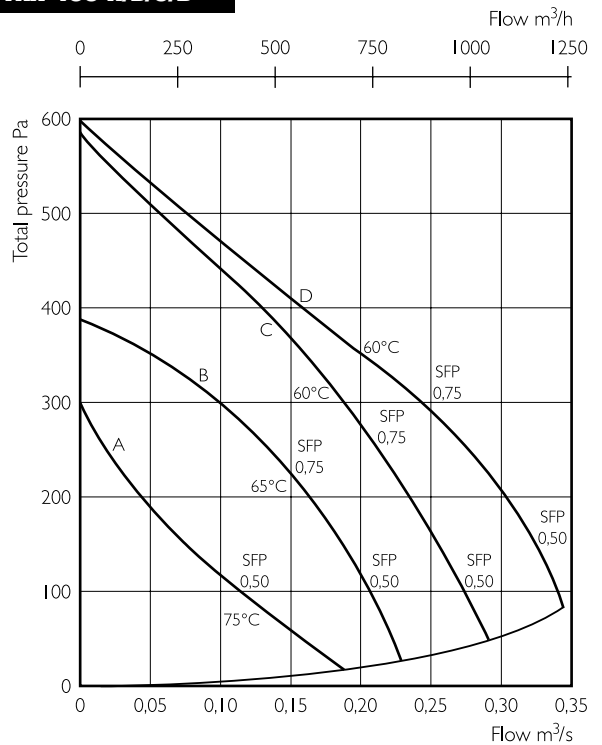
Technical data

Roof extract unit TKK		300 A	300 C	400 A	400 B	400 C	400 D
Voltage	V	230	230	230	230	230	230
Current	A	0.20	0.32	0.27	0.45	0.67	0.82
Input watts	W	46	73	62	102	153	186
Speed	Rpm	1715	2410	1705	2480	2490	2460
Weight	kg	5.5	5.5	8.2	8.2	8.2	8.3
Wiring,	No.	4040010	4040011	4040010	4040011	4040011	4040011

TKK 300 A/C



TKK 400 A/B/C/D



Explanations to Sound data

We preserve the right to changes without further notice.



BEI JING





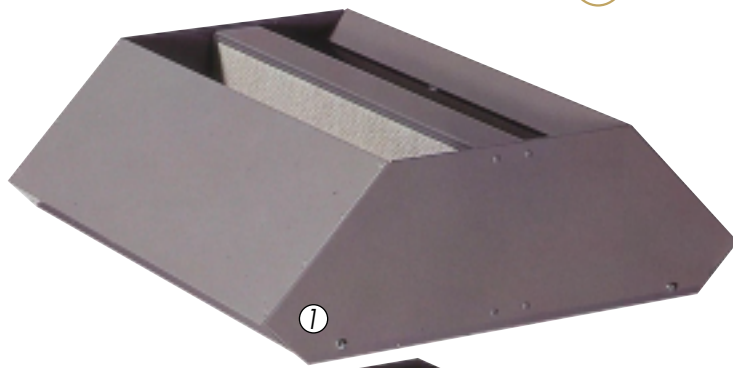
TKK

TKK 560 -1060

are our new bigger sizes of roof extract units with vertical discharge and swing-out design.

Reliability

They are all constructed in galvanized sheet metal and equipped with a european external rotor-motor, with backward curved impellers of highest quality. All can be speed controlled.

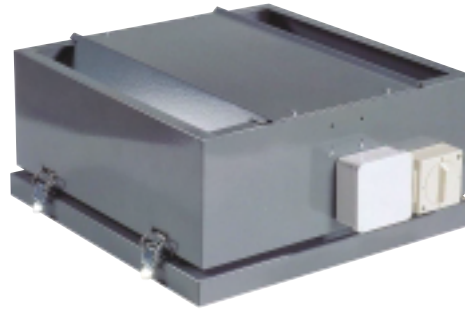


A silencer can easily be fitted (or retrofitted) on the top of all sizes from TKK 560 B1 and upwards. Like with all previous types, they are easy to clean, due to the swing-out design.

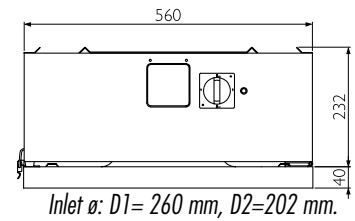


TKK 560 A1

Max. 1580 m³/h.



TKK 560 A1



TKK 560 B1

Max. 2450 m³/h.

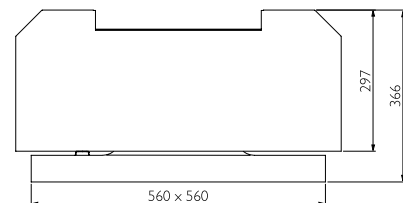
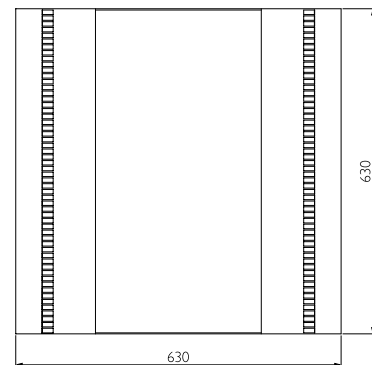
TKK 560 B3

Max. 2340 m³/h.

Accessories

Roof curb TFU and silencer
TKLD.

TKK 560



Inlet \varnothing : D1= 294 mm, D2=228 mm.

Technical data

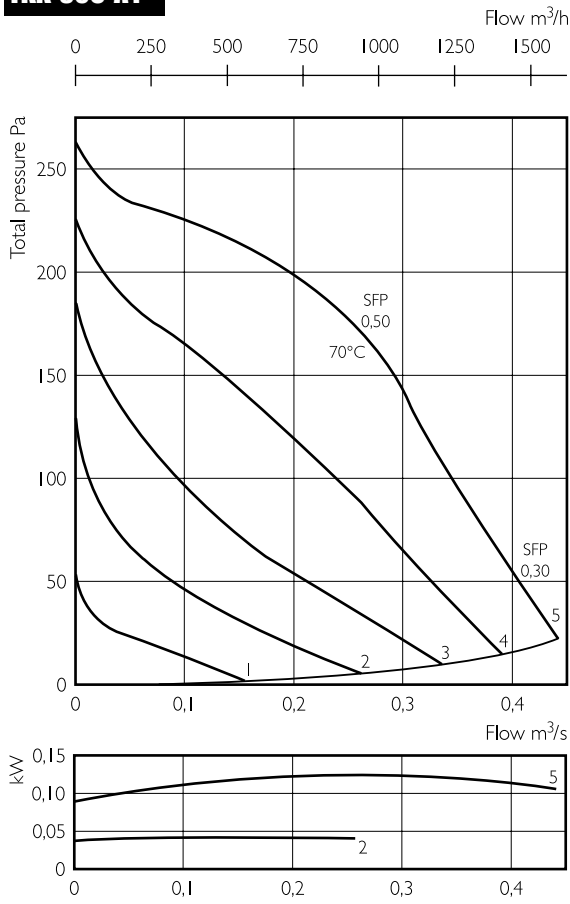
Roof extract unit TKK 560		560 A1	560 B1	560 B3
Voltage	V	230	230	400
Current	A	0.56	1.19	0.50
Input watts	W	125	265	258
Speed	Rpm	1300	1300	1400
Weight	kg	16	27	27
Wiring	No.	4040001	4040005 / 4040006	4040030

Sound data

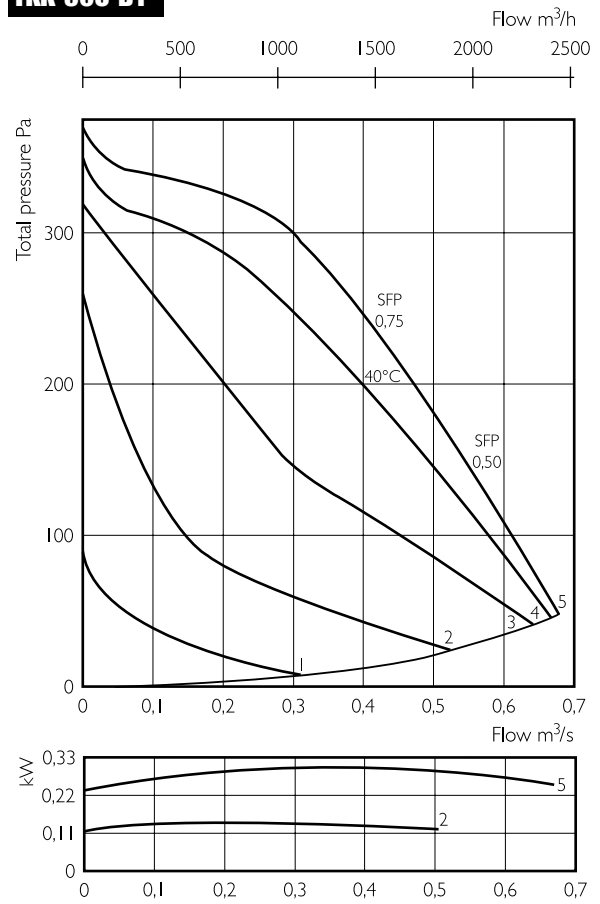
Type of fan	Flow/ Total pressure		L _{pA}		L _{wA}							
			dB(A)	tot	63	125	250	500	1k	2k	4k	8k
560 A1	264 l/s, 166 Pa	Inlet	57	64	53	61	58	57	50	48	48	34
		Inlet with TFU	55	62	47	59	56	55	45	37	43	30
		To environment	61	68	44	52	62	64	61	58	57	45
560 B1	389 l/s, 253 Pa	Inlet	63	70	57	65	63	64	56	54	47	38
		Inlet with TFU	60	67	56	63	61	62	51	55	46	34
		To environment	66	73	50	59	68	67	67	66	58	52
560 B3	430 l/s, 245 Pa	To env. with TKLD	62	69	49	59	66	63	60	59	53	45
		Inlet	65	72	58	67	66	66	58	59	53	45
		Inlet with TFU	63	70	57	65	65	65	53	50	45	38
		To environment	68	75	51	59	70	68	68	68	61	53
		To env. with TKLD	64	71	51	59	68	64	60	62	56	49

Explanations to Sound data,
We preserve the right to changes without further notice.

TKK 560 A1

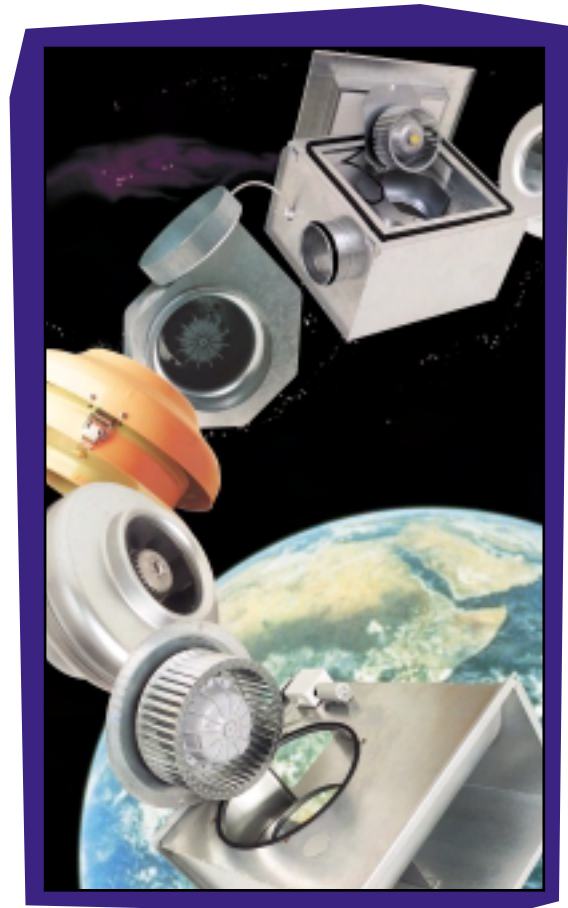
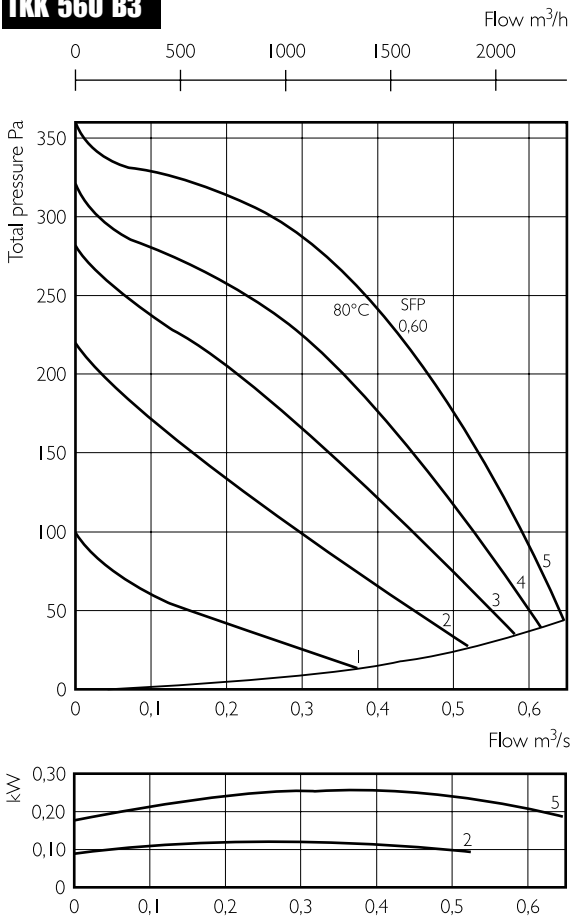


TKK 560 B1



Pos. on transformer/curve	5	4	3	2	1
1-phase V	230	165	135	110	80
3-phase V	400	240	185	145	95

TKK 560 B3



We preserve the right to changes without further notice.

TKK 660 B1

TKK 660 is delivered in single phase (B1) and 3-phase (B3) version. Max. 3000 m³/h.



TKK 660 B3

Max. 3000 m³/h.

Accessories

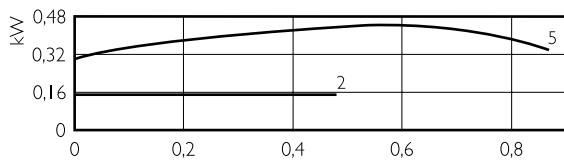
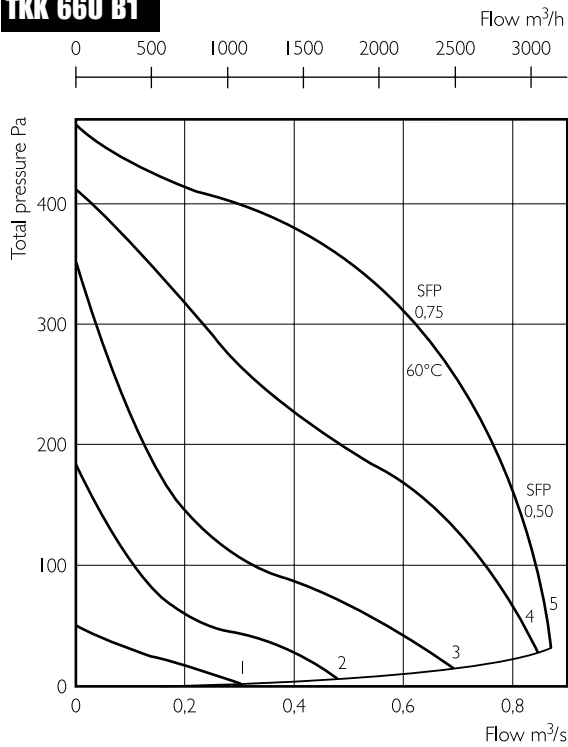
Roof curb TFU and silencer TKLD.

Sound data

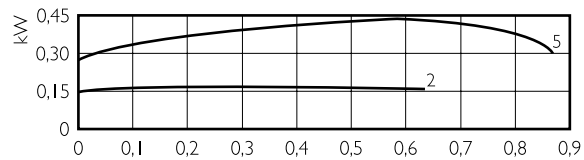
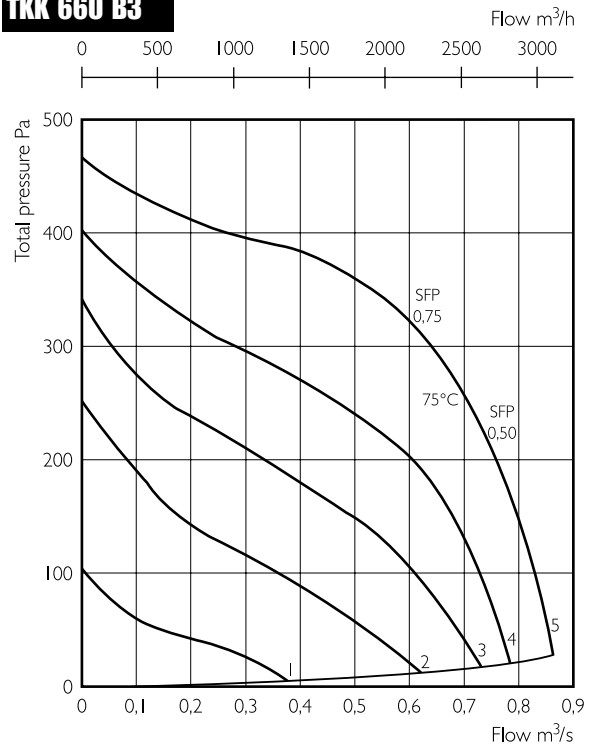
Type of fan	Flow/ Total pressure	L _{pA}		L _{wA}								
		dB(A)	tot	63	125	250	500	1k	2k	4k	8k	
660 B1	640 l/s, 296 Pa	Inlet	67	74	63	69	68	69	61	61	55	43
		Inlet with TFU	64	71	60	66	66	67	56	51	47	33
		To environment	70	77	55	63	72	71	72	70	62	53
		To env. with TKLD	65	72	53	62	69	66	62	62	57	48
660 B3	653 l/s, 298 Pa	Inlet	67	74	63	70	68	68	61	60	53	44
		Inlet with TFU	64	71	60	66	66	67	67	53	47	37
		To environment	69	76	52	62	71	70	71	67	60	53
		To env. with TKLD	66	73	52	62	69	67	64	64	59	50

Explanations to Sound data,
We preserve the right to changes without further notice.

TKK 660 B1



TKK 660 B3

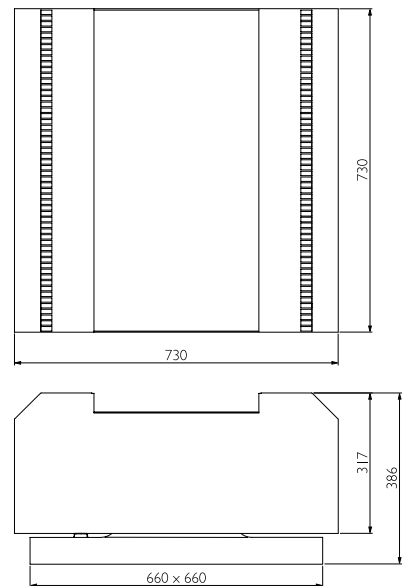


Pos. on transformer/curve		5	4	3	2	1
1-phase	V	230	165	135	110	80
3-phase	V	400	240	185	145	95

Technical data

TKK 660 series		660 B1	660 B3
Voltage	V	230	400
Current	A	2.41	0.90
Input watts	W	490	450
Speed	Rpm	1250	1400
Weight	kg	34	34
Wiring	No.	4040005 / 4040006	4040030

TKK 660



Inlet \varnothing : D1=341 mm, D2=257 mm.

We preserve the right to changes without further notice.



Mech-Elec

Swing-out
=easy service!





TKK 760

Is delivered in four versions.

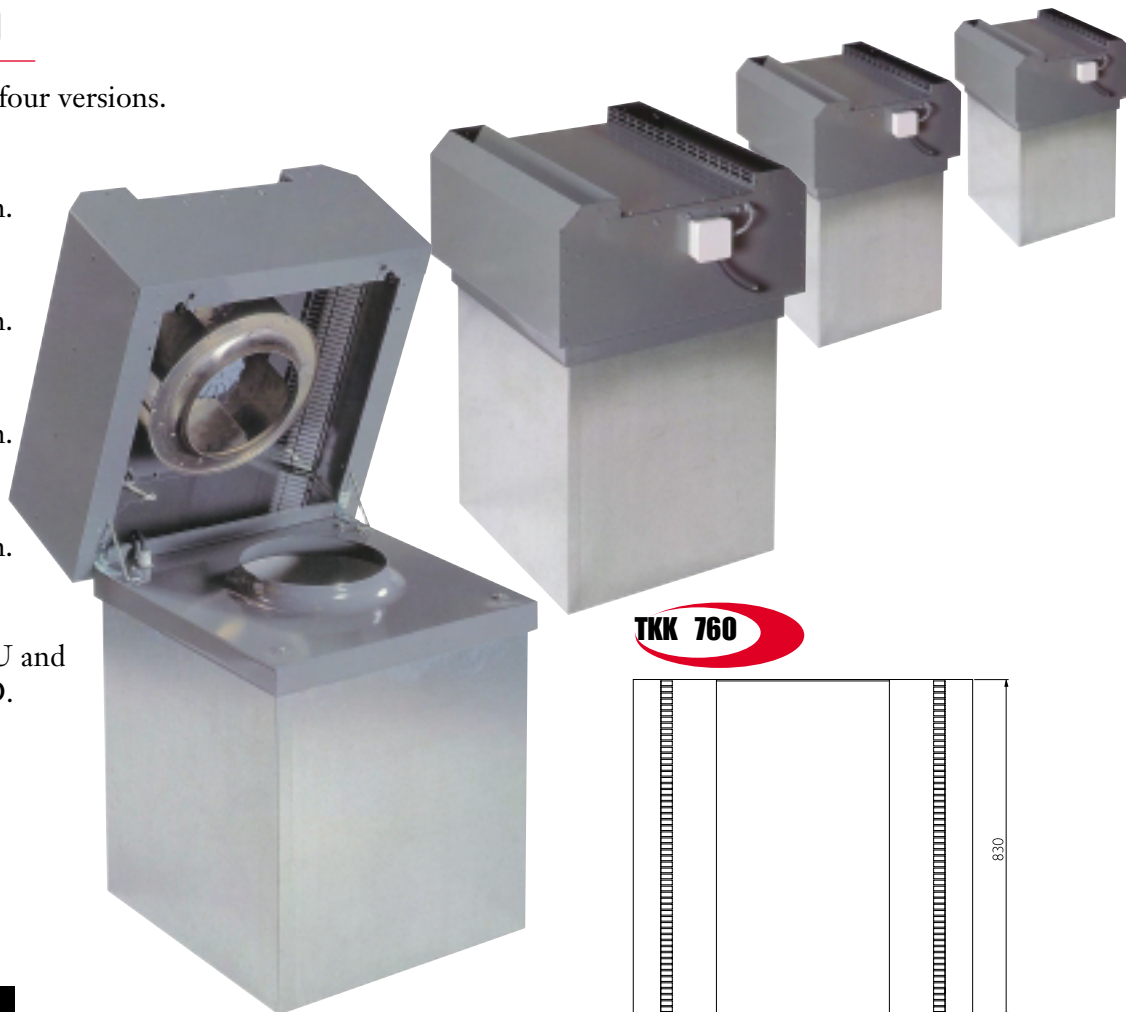
TKK 760 A1
Max. 3000m³/h.

TKK 760 A3
Max. 3400m³/h.

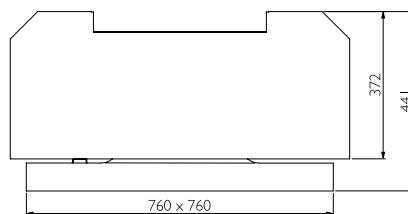
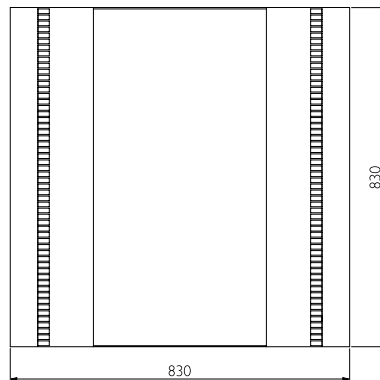
TKK 760 B1
Max. 4450m³/h.

TKK 760 B3
Max. 4750m³/h.

Accessories
Roof curb TFU and
silencer TKLD.



TKK 760



Inlet ϕ : D1=373 mm, D2=289 mm.

Technical data

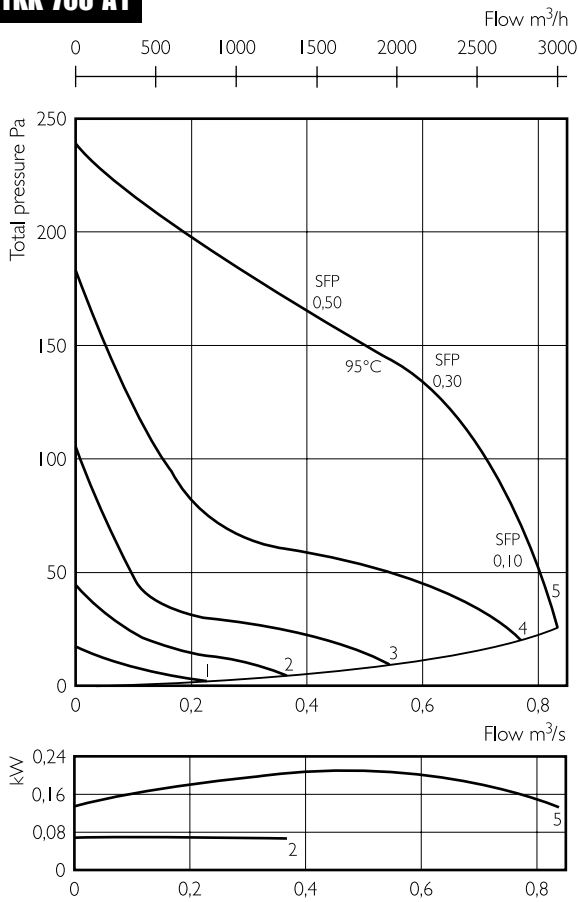
Roof extract unit TKK 760		760 A1	760 A3	760 B1	760 B3
Voltage	V	230	400	230	400
Current	A	1.10	0.58	3.50	1.45
Input watts	W	240	258	725	700
Speed	Rpm	890	904	1370	1240
Weight	kg	39	39	43	40
Wiring	No.	4040005 / 4040006	4040030	4040005 / 4040006	4040030

Sound data

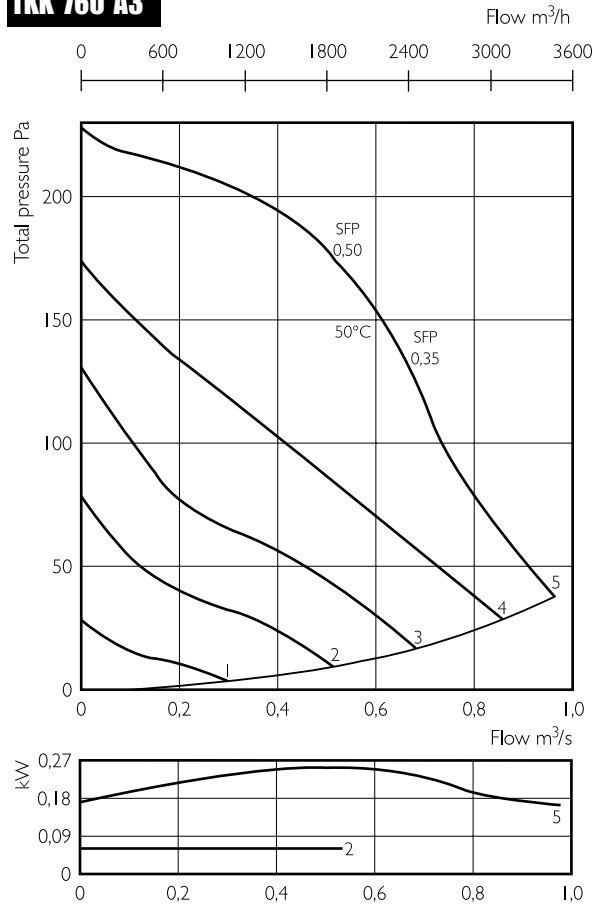
Type of fan	Flow/ Total pressure		L _{pA} dB(A)	L _{wA} tot								
					63	125	250	500	1k	2k	4k	8k
TKK 760 A1	612 l/s, 134 Pa	Inlet	55	62	54	58	55	56	49	46	44	27
		Inlet with TFU	50	57	52	52	50	48	38	38	30	16
		To environment	57	64	50	50	57	60	60	53	47	38
		To env. with TKLD	53	60	50	50	55	55	51	47	43	36
TKK 760 A3	576 l/s, 163 Pa	Inlet	57	64	56	60	57	58	50	47	43	30
		Inlet with TFU	52	59	53	54	53	51	40	40	32	20
		To environment	57	64	48	50	58	58	59	55	50	41
		To env. with TKLD	54	61	47	50	57	55	51	49	46	38
TKK 760 B1	920 l/s, 360 Pa	Inlet	68	75	64	69	70	70	63	60	55	46
		Inlet with TFU	63	70	60	65	65	65	50	52	44	34
		To environment	73	80	58	67	74	75	74	68	61	54
		To env. with TKLD	68	75	58	68	70	70	66	61	57	49
TKK 760 B3	967 l/s, 300 Pa	Inlet	68	75	65	69	70	71	65	61	55	45
		Inlet with TFU	63	70	61	64	65	65	50	52	43	33
		To environment	72	79	57	65	73	75	75	69	62	54
		To env. with TKLD	67	74	57	65	70	70	66	61	57	49

Explanations to Sound data
We preserve the right to changes without further notice.

TKK 760 A1

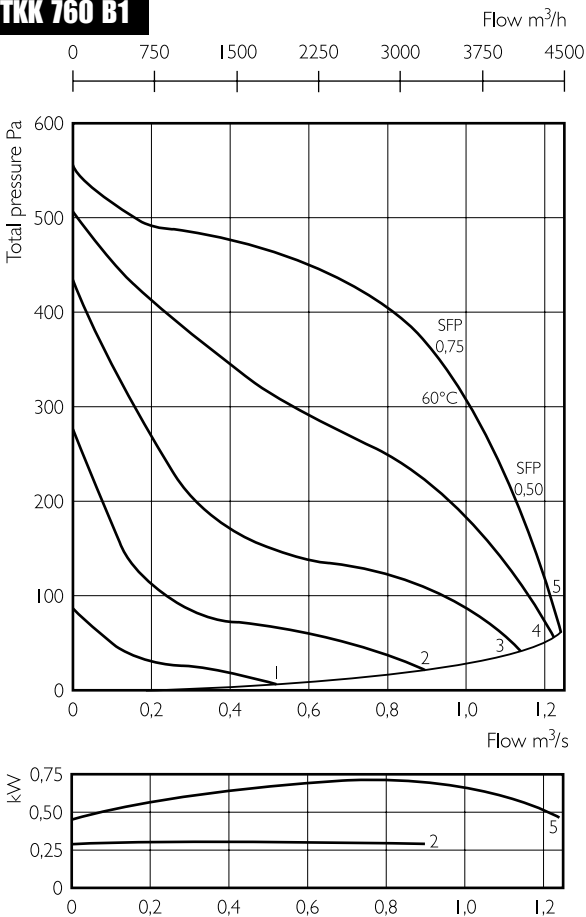


TKK 760 A3

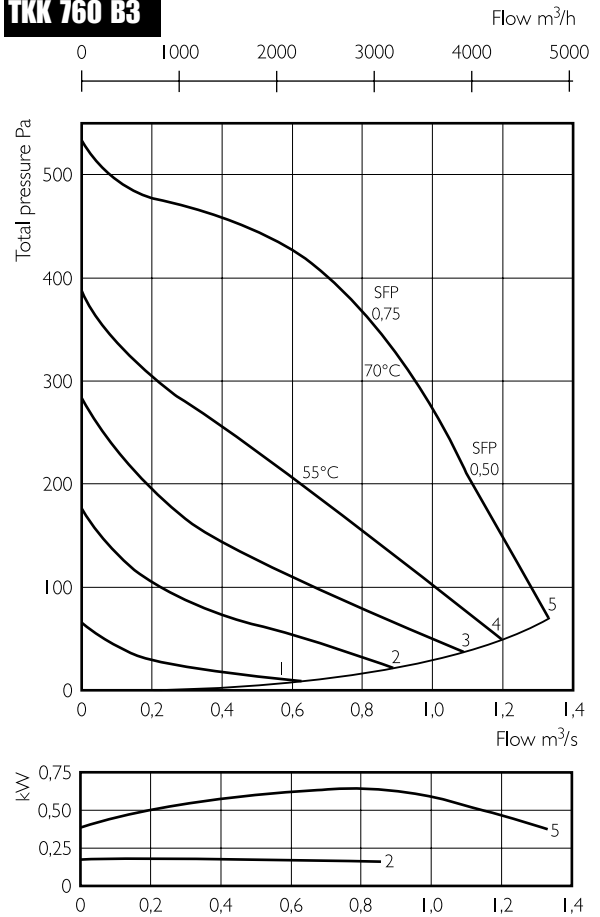


Pos. on transformer/curve	5	4	3	2	1
1-phase V	230	165	135	110	80
3-phase V	400	240	185	145	95

TKK 760 B1



TKK 760 B3



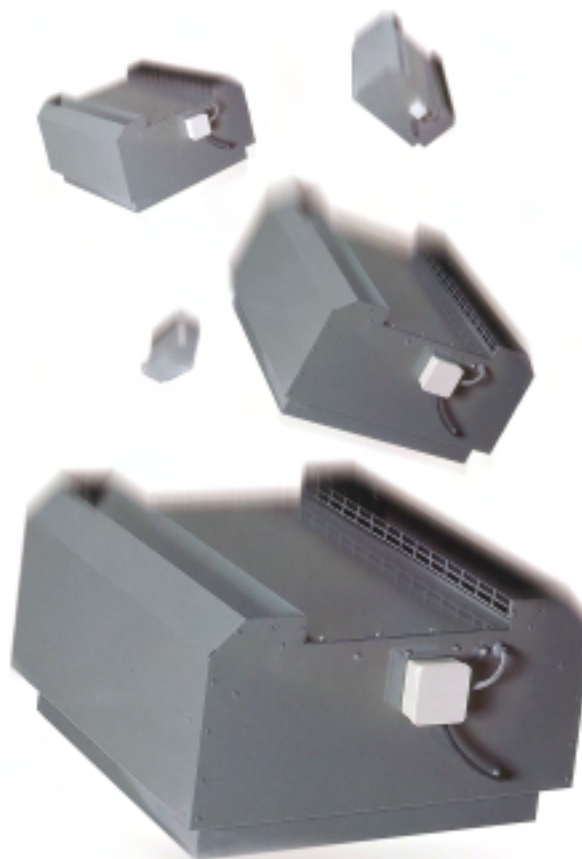
TKK 960

TKK 960

is delivered in seven versions, with a flow from 4425m³/h to 9400 m³/h.

Accessories

Silencer TKLD.



TKK 960 A1 Max. 4900 m³/h.

TKK 960 A3 Max. 4425 m³/h.

TKK 960 B1 Max. 5760 m³/h.

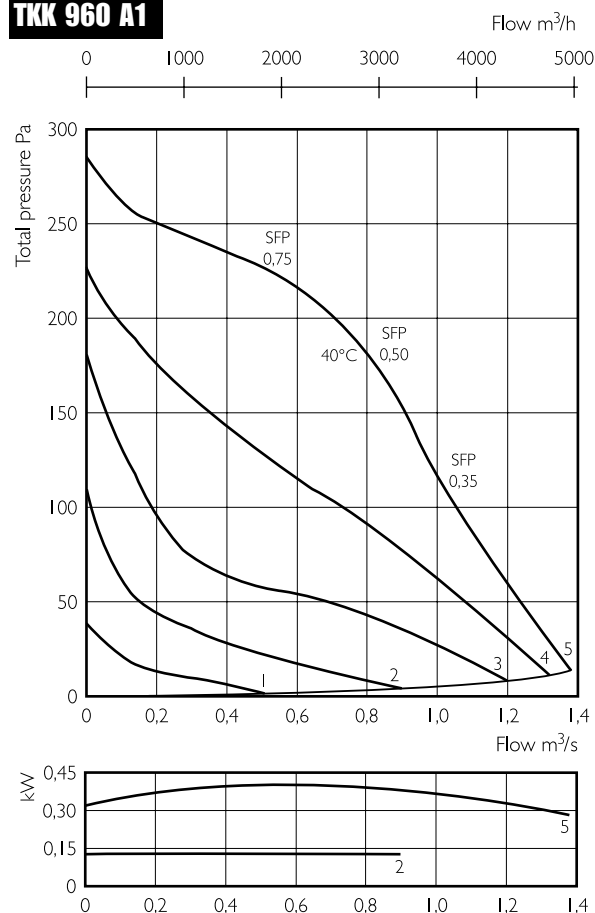
TKK 960 B3 Max. 5940 m³/h.

TKK 960 C1 Max. 7200 m³/h.

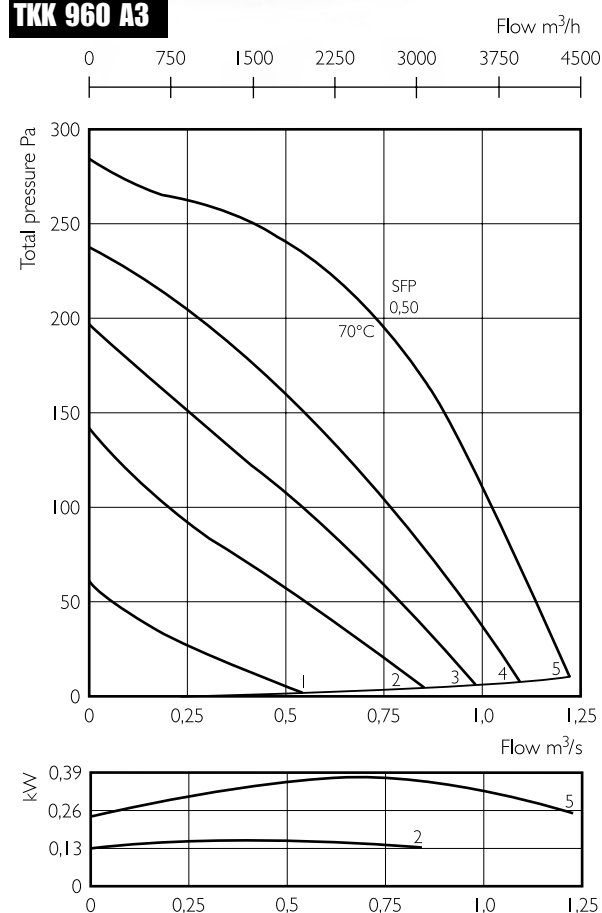
TKK 960 C3 Max. 8250 m³/h.

TKK 960 D3 Max. 9400 m³/h.

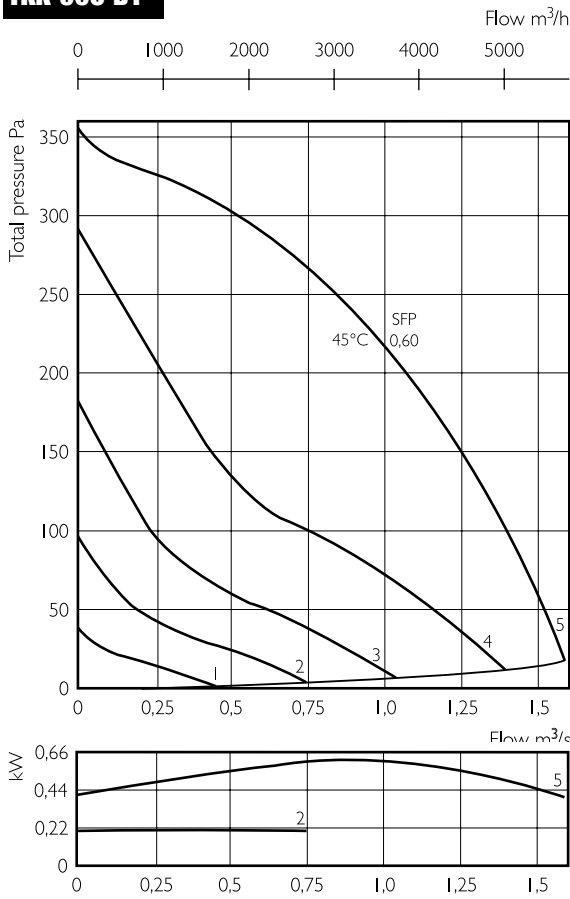
TKK 960 A1



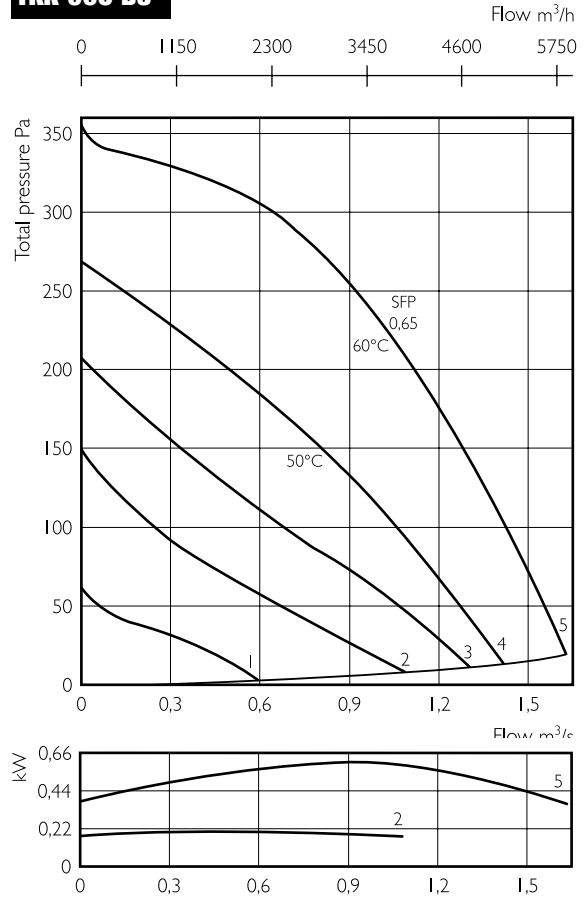
TKK 960 A3



TKK 960 B1

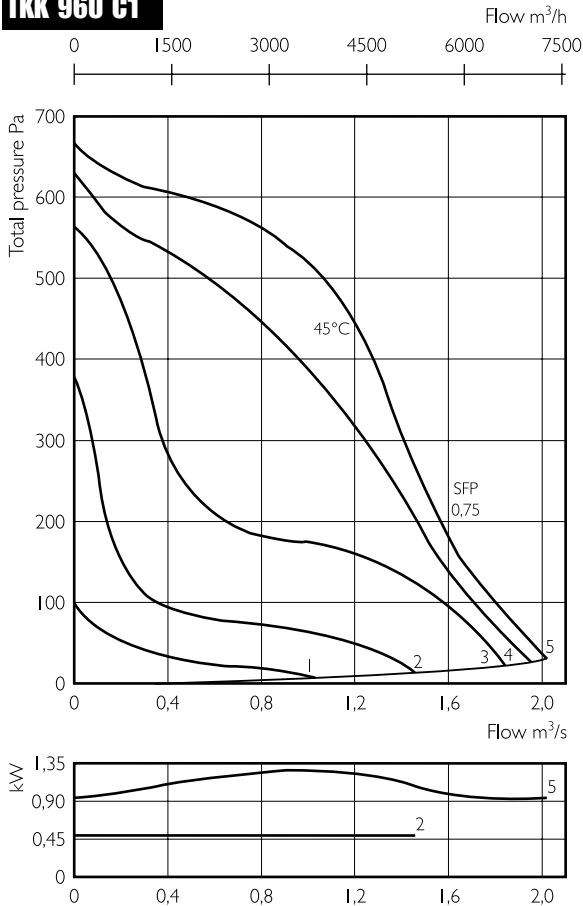


TKK 960 B3

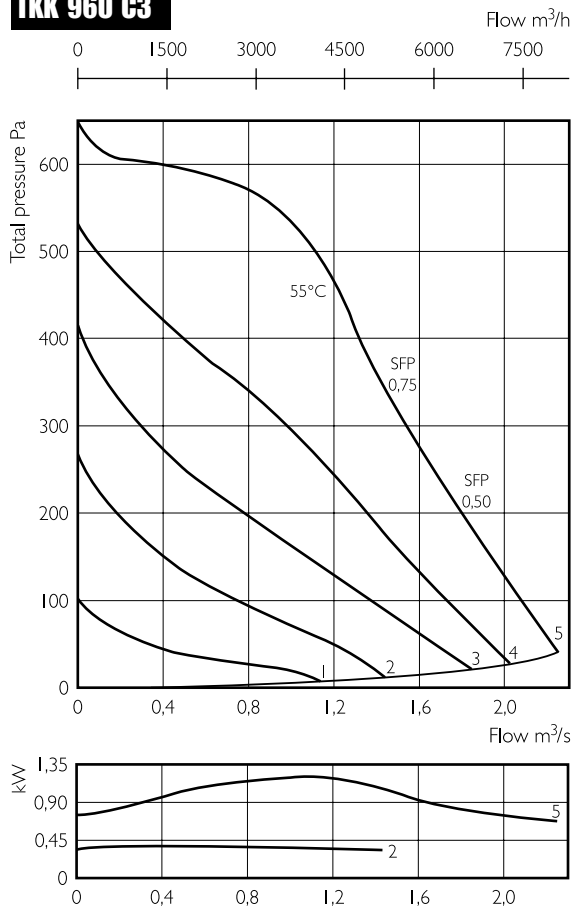


Pos. on transformer/curve	5	4	3	2	1
1-phase V	230	165	135	110	80
3-phase V	400	240	185	145	95

TKK 960 C1

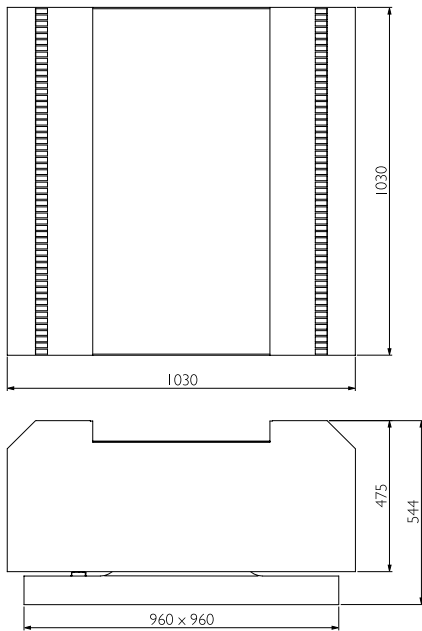


TKK 960 C3



TKK 960

TKK 960

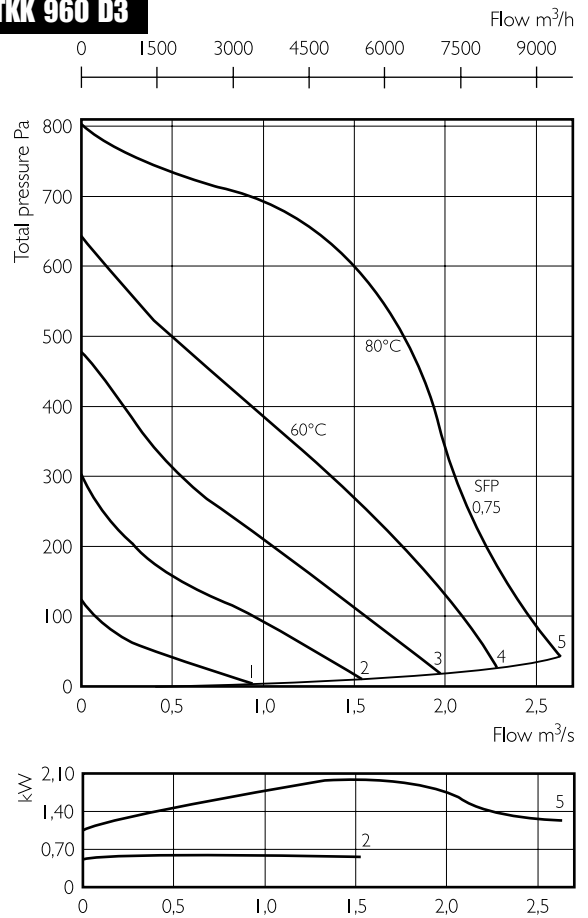


Inlet \varnothing :

TKK 960 A/C: D1=420 mm, D2=325 mm.

TKK 960 B/D: D1=472 mm, D2=365 mm.

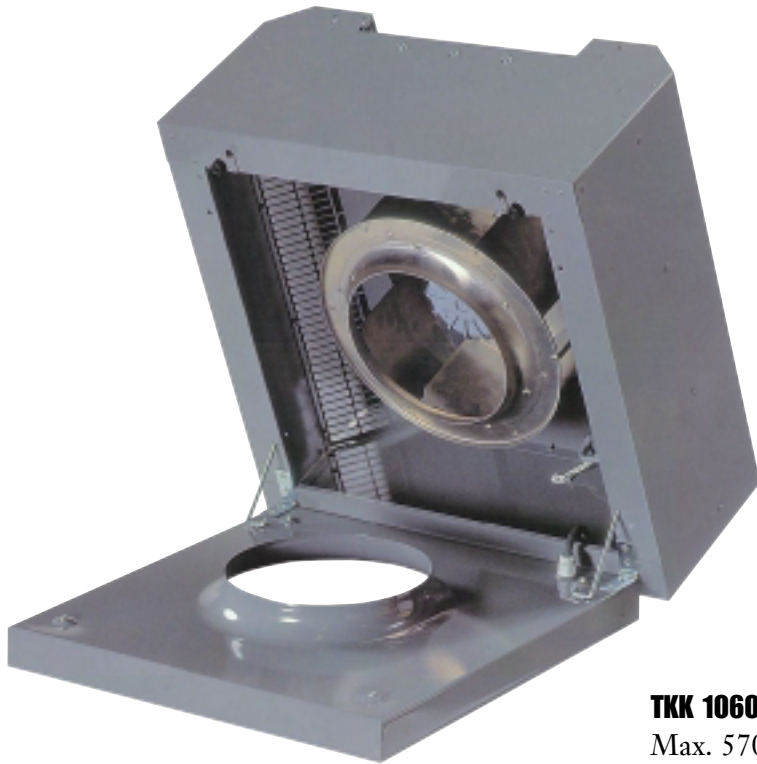
TKK 960 D3



Pos. on transformer/curve		5	4	3	2	1
1-phase	V	230	165	135	110	80
3-phase	V	400	240	185	145	95



TKK 1060

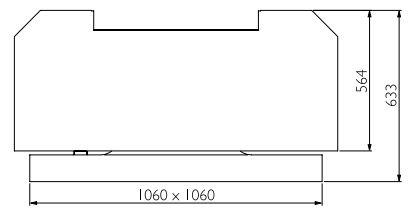
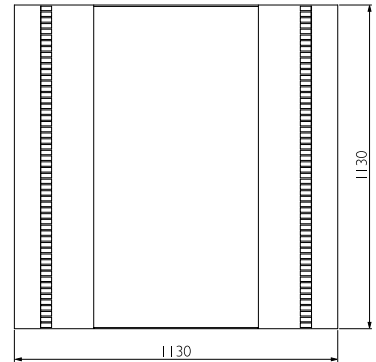


TKK 1060

is our most powerful roof extract unit. You can choose between TKK 1060 A3 and TKK 1060 B3.



Accessories
Silencer
TKLD.



Inlet \varnothing : D1=511 mm, D2=410 mm.

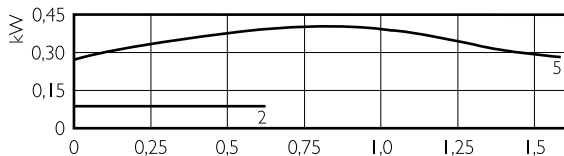
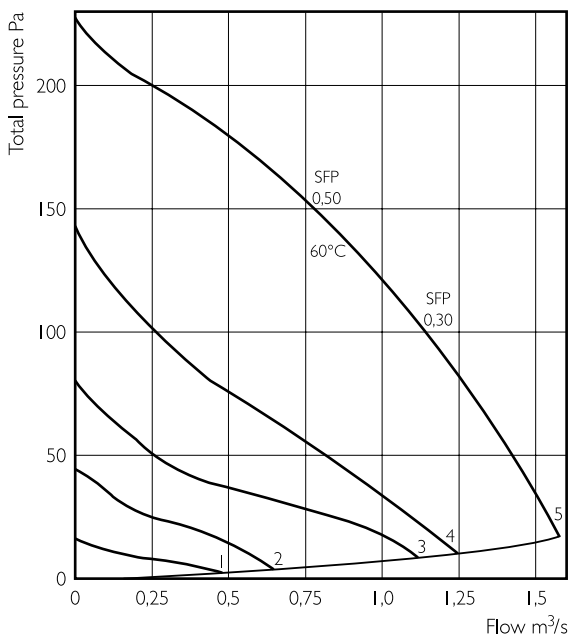
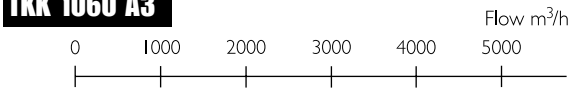
TKK 1060 A3

Max. 5700m³/h.

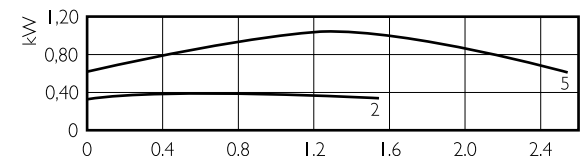
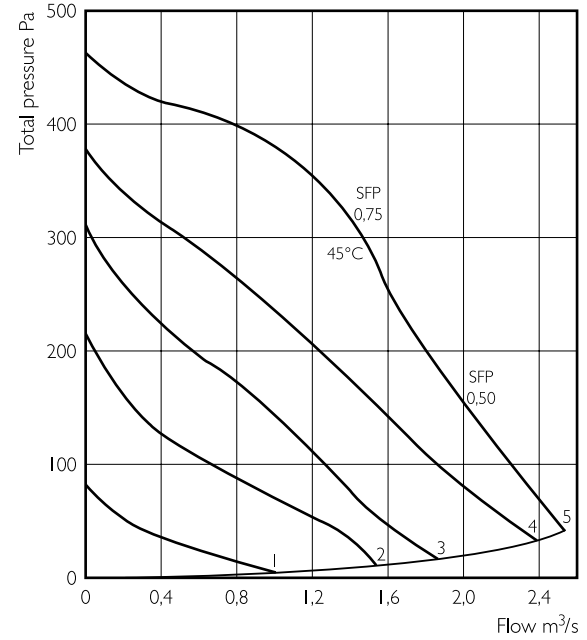
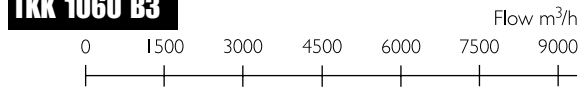
TKK 1060 B3

Max. 9150m³/h.

TKK 1060 A3



TKK 1060 B3



We preserve the right to changes without further notice.

TKK 960 & TKK 1060

Technical data

TKK 960 and 1060		960 A1	960 A3	960 B1	960 B3	960 C1	960 C3	960 D3	1060 A3	1060 B3
Voltage	V	230	400	230	400	230	400	400	400	400
Current	A	2.05	1.44	3.15	1.27	6.85	2.80	4.40	1.41	2.10
Input watts	W	435	373	670	616	1300	1300	2000	410	980
Speed	Rpm	900	910	890	870	1380	1360	1370	670	880
Weight	kg	61	60	62	65	71	67	75	90	95
Wiring	No.	4040005 / 4040006	4040030	4040005 / 4040006	4040030	4040005 / 4040006	4040030	4040030	4040030	4040030

Sound data

Type of fan	Flow/Total pressure	L _{pA}		L _{wA}								
		Inlet	To environment	63	125	250	500	1k	2k	4k	8k	
TKK 960 A1	820 l/s, 179 Pa	Inlet	61	68	59	63	60	59	58	58	50	36
		To environment	65	72	52	57	64	67	66	64	57	47
		To env. with TKLD	60	67	52	57	60	60	57	57	52	42
TKK 960 A3	740 l/s, 200 Pa	Inlet	61	68	60	61	62	61	60	59	52	39
		To environment	66	73	53	56	64	69	68	65	58	48
		To env. with TKLD	60	67	53	56	61	62	58	58	53	44
TKK 960 B1	1026 l/s, 213 Pa	Inlet	63	70	62	63	64	62	61	61	54	41
		To environment	67	74	54	59	67	68	68	66	60	50
		To env. with TKLD	61	68	54	59	63	61	59	59	54	45
TKK 960 B3	1000 l/s, 235 Pa	Inlet	64	71	62	64	65	63	62	63	56	43
		To environment	68	75	55	59	68	70	70	67	61	52
		To env. with TKLD	62	69	55	59	64	64	61	61	56	47
TKK 960 C1	1174 l/s, 465 Pa	Inlet	72	79	68	74	74	73	71	67	59	48
		To environment	76	83	61	69	75	78	79	73	65	59
		To env. with TKLD	70	77	61	69	72	71	70	66	60	54
TKK 960 C3	1195 l/s, 472 Pa	Inlet	72	79	68	72	74	71	71	70	64	52
		To environment	75	82	61	68	75	76	77	74	70	62
		To env. with TKLD	69	76	61	68	72	69	68	68	65	57
TKK 960 D3	1600 l/s, 590 Pa	Inlet	75	82	71	75	77	75	72	72	67	56
		To environment	78	85	63	72	79	79	80	76	73	66
		To env. with TKLD	73	80	63	71	76	73	71	70	68	61

TKK 1060 A3	1046 l/s, 118 Pa	Inlet	58	65	57	56	61	61	52	50	39	26
		To environment	60	67	50	54	61	62	61	56	48	40
		To env. with TKLD	55	62	50	53	58	56	52	49	43	36
TKK 1060 B3	1455 l/s, 310 Pa	Inlet	68	75	65	68	71	69	63	62	53	41
		To environment	71	78	59	66	71	74	72	67	60	53
		To env. with TKLD	65	72	59	65	68	66	63	60	55	49

Explanations to Sound data,

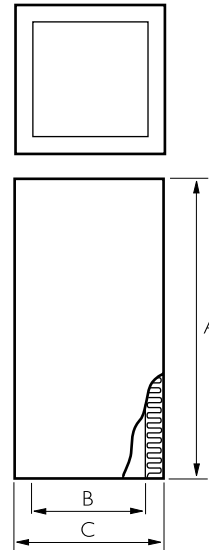


Roof curb TF



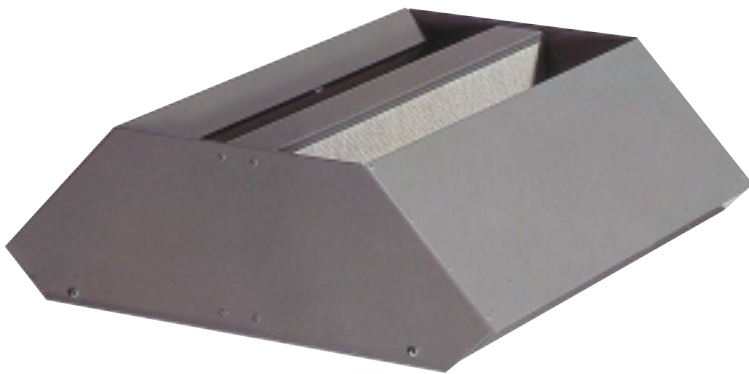
Silencer TFU is produced in two different lengths, see measurements. It is constructed in galvanised sheet metal and includes a 50 mm pad of rockwool, with a glassfibre coated surface. Plastic conduit for electrical wiring is provided as standard.

TFU



Measurements for TFU

Type	A	B	C
TFU 300/600	600	□ 190	□ 295
TFU 300/900	900	□ 190	□ 295
TFU 400/600	600	□ 290	□ 395
TFU 400/900	900	□ 290	□ 395
TFU 560/900	900	□ 402	□ 506
TFU 660/900	900	□ 502	□ 606
TFU 760/900	900	□ 602	□ 706
TFU 960/900	900	□ 805	□ 910



Silencer TKLD

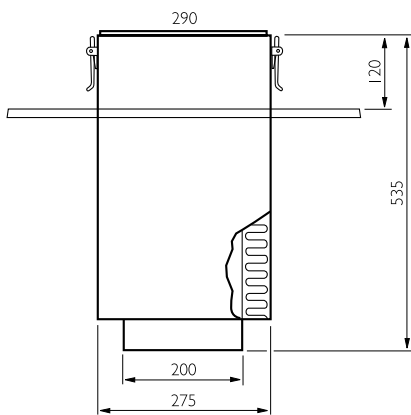
Silencer TKLD is constructed in galvanised sheet metal and includes a 50 mm pad of rockwool, with a glassfibre coated surface.



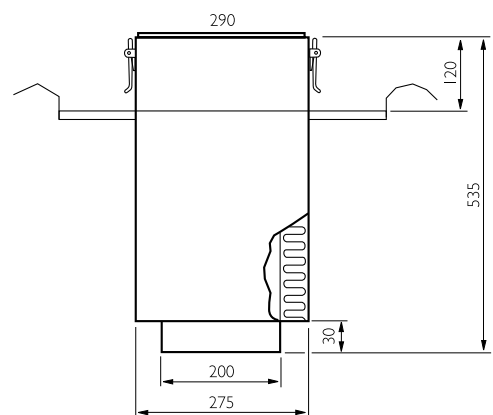
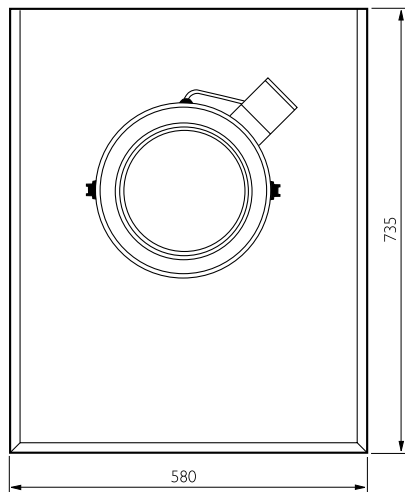
Roof curb and silencer TG

TGÖ is constructed in galvanised sheet metal, polyester plastic coated for corrosion resistance. Can be supplied plane or profiled.

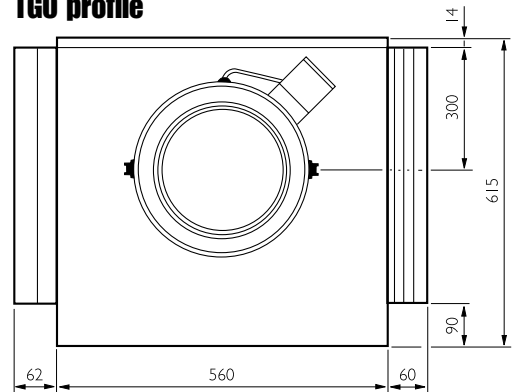
Two meters of el. cable is provided as standard as well as 30 mm of rock-wool insulation.



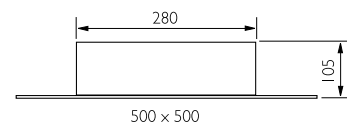
TGÖ plain



TGÖ profile



TGU



We preserve the right to changes without further notice.



Instructions for maintenance

Roof extract units TKC, TKS and TKK are all equipped with an asynchronous motor of external rotor type with sealed for lifetime ball bearings. Single phase motors are equipped with an approved thermo-contact protector with automatic reset. 3-phase motors are ready wired with thermo-contact leads. These must be connected over a motorprotector, or if speed control is used, over a thermo-contact relay, fitted as standard in our 3-phase transformers. The thermo-contact breaks the current if the temperature in the motor windings becomes excessive. In single-phase motors the thermo-contact is reset as follows: Turn off the mains power. Wait until the motor has cooled. Reconnect the mains power. The fans are intended for continuous operation and can be speed-controlled by voltage variation using external regulators. They are **NOT** designed for transporting explosive gases, grinding dust, soot or similar.

Electrical installation

The fan may only be installed by a qualified electrician. All fans are supplied fully-wired and ready to fit in a sealed installation unit.

1. Check that the voltage, frequency, cycles etc of the mains correspond with the specifications on the fan's ID plate.
2. All electrical wiring and connections must be carried out in compliance with your national safety regulations.
3. The fan must be earthed!

Installation and fitting

Maximum temperature of transported air, see diagrams.

Care and maintenance

The only maintenance required is cleaning. We recommend inspection of the impeller every six months if the fan is operated continuously. Before cleaning: Disconnect the mains and block the mains switch. Wait until the motor and impeller has stopped rotating.

Care must be taken during dismantling and cleaning so as not to disturb the fan's balance. Strong detergents or cleaning agents must not be used for cleaning the fan. Internal insulation may be wiped clean with a damp cloth. Sharp or rotating tools must not be used as these may damage outer surfaces.

In case of breakdown

1. Check that mains power is reaching the fan.
2. Disconnect from the mains and make sure the impeller is not blocked.
3. Check the thermo-contact according to the description above. If the thermo-contact has activated, the cause of overheating should be determined to prevent the same fault recurring.
4. If the fault persists, change the capacitor.
5. If these steps do not help, contact your supplier.

Explanations to sound data

The sound data have been compiled by means of sound measurement methods as follows:

Pressure and flow: ISO 5801

Determination of acoustic sound level in duct: ISO 5136

Determination of acoustic sound level in reverberation room: ISO 3741

Designations

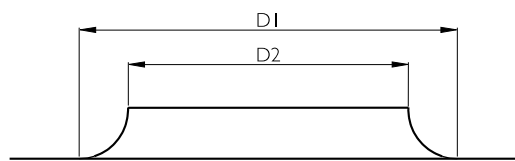
$L_{WA\ tot}$: Total A-weighted sound power level dB(A) (ref 10^{-12} W)=the sum of the sound power level in the octave ranges.

L_{WA} : A-weighted sound power level in octave range dB(A) (ref 10^{-12} W).

L_{pA} : A-weighted sound pressure level in dB(A) according to normed A-weighting correction and relating to an effective absorption area of 20 m² with half spherical translation at a distance of 3 meters.

Inlet

Measurements according to sketch.



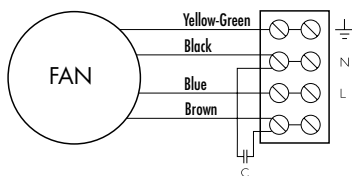
SFP

Lately there has been an increased demand for good SFP (Specific Fan Power) on fans. SFP is a measurement for the size of the total power at a specific flow / pressure and is calculated in kW/m³/second.

Wiring diagrams

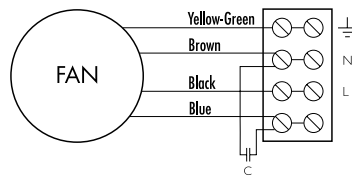
WIRING DIAGRAM 4040001

Single phase



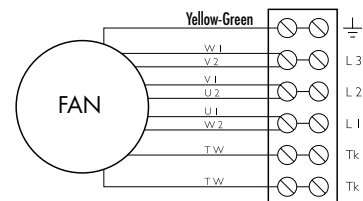
WIRING DIAGRAM 4040002

Single phase



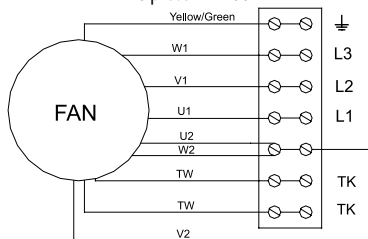
WIRING DIAGRAM 4040003

3-phase Δ 230V



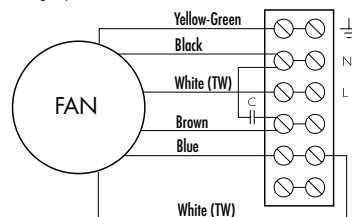
WIRING DIAGRAM 4040004

3-phase Y 400V



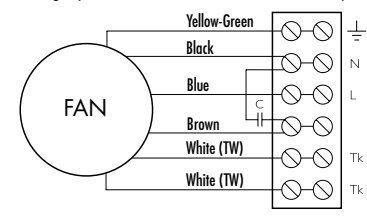
WIRING DIAGRAM 4040005

Single phase with outdrawn thermo-contact lead



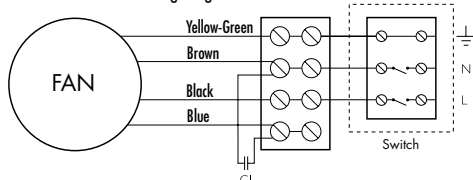
WIRING DIAGRAM 4040006

Single phase for external thermo-contact relay



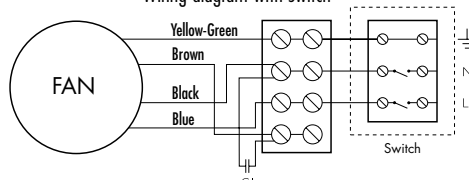
WIRING DIAGRAM 4040010

Wiring diagram with switch



WIRING DIAGRAM 4040011

Wiring diagram with switch



WIRING DIAGRAM 4040030

3-phase Δ 400V

