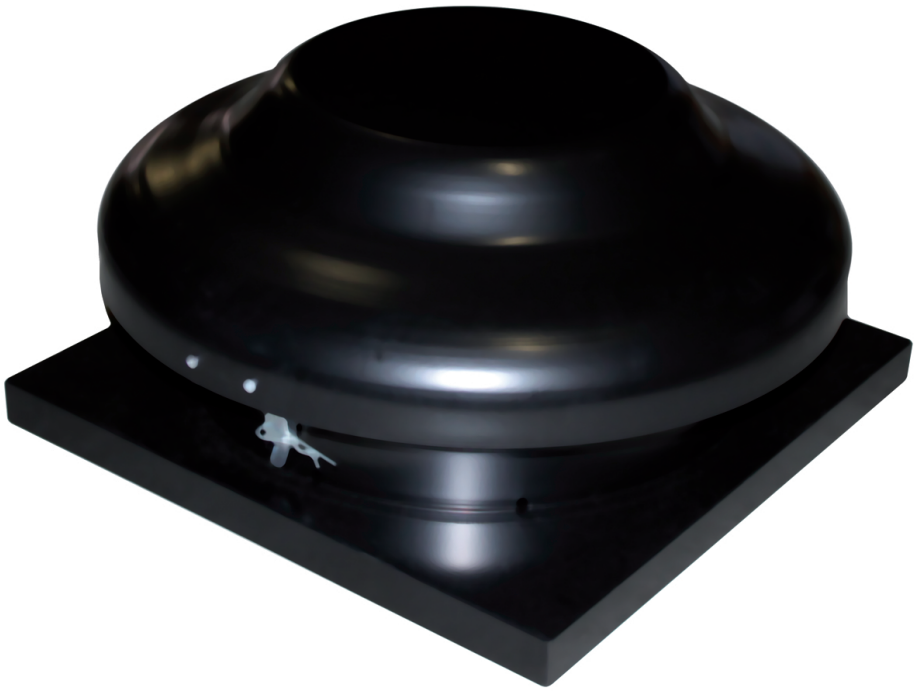
TKS

- Roof fans AC motor
- Horizontal discharge
- Motor in air stream



Roof exhaust fans type TKS

Roof exhaust fan with horizontal discharge

Application

- **TKS** fans are used for air air extraction of small and medium sized rooms.

Composition

- Protection hood and base made of powder coated sheet steel RAL 9005
- Backward curved impeller, statically and dynamically balanced, blades made of galvanized steel
- Single phase external rotor motor with integrated thermal protection
- Maintenance-free, long-life ball bearings
- Fans with asynchronous motor
- Protection class IP44, insulation class B

Accessories

- Roof socket, type **RC-I**
- Sound attenuating roof socket, type **RAC-I**
- Electronic controller, type **ESC**
- Transformer controllers 230V with motor protection, type **TSCTK-1**

Text for tender

- The air shall be extracted by means of a roof fan with horizontal discharge with weather cap and base in galvanized sheet steel and polyester paint finish. The motor-fan assembly can be separated from the weather cap and is removable for easy maintenance.
- **CAIROX** type **TKS**

Order example

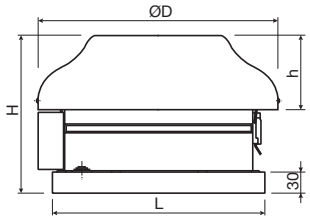
- **TKS 190 L 3.0 + ESC-15**

TKS 190 L 3.0 = fan
ESC-15= speed controller

Air performance data							
	Q [m³/h]						
	50 Pa	100 Pa	150 Pa	200 Pa	250 Pa	300 Pa	400 Pa
TKS 190 S 3.0	280	215	160	130	80	-	-
TKS 190 L 3.0	400	350	300	240	170	90	-
TKS 220 M 3.0	730	675	600	525	440	350	150
TKS 225 L 3.0	890	825	775	700	620	540	370

Technical data											
	U [V]	P [W]	I [A]	SC_T	SC_E**	Tm [°C]	To [°C]	n [rpm]	Lwa [dB(A)]		
									Lwa 5	Lwa 6	Lwa 2
TKS 190 S 3.0	230	49	0.2	TSCTK-1-15	ESC-15	55	-40	2750	61	62	59
TKS 190 L 3.0	230	74	0.31	TSCTK-1-15	ESC-15	55	-40	2800	66	69	61
TKS 220 M 3.0	230	106	0.45	TSCTK-1-15	ESC-15	75	-40	2800	71	71	65
TKS 225 L 3.0	230	133	0.6	TSCTK-1-15	ESC-15	85	-40	2660	69	72	66

- SC_T = Transformer speed controller
- SC_E = Electronic speed controller
  - ** **Caution: an electronic controller can produce a magnetic noise**
- η_t = Maximum total efficiency
- Tm = Maximum air temperature
- To = Minimum operating temperature
- Lwa 2 = Environmental sound power level
- Lwa 5 = Sound power level inlet
- Lwa 6 = Sound power level outlet



Dimensions				
	ØD [mm]	H [mm]	h [mm]	L [mm]
TKS 190 S 3.0	344	207	107	305
TKS 190 L 3.0	344	207	107	305
TKS 220 M 3.0	450	214	109	405
TKS 225 L 3.0	450	246	109	405