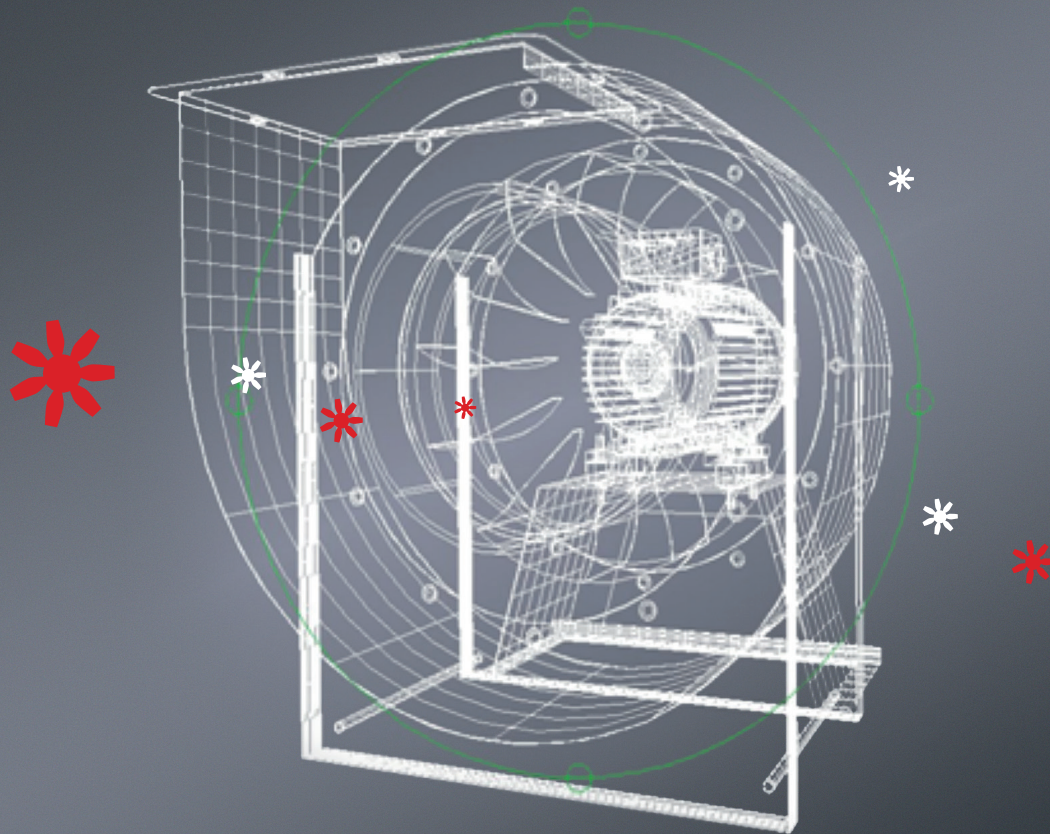


Single Inlet Centrifugal Fans

# K-FANS

FKK SERIES





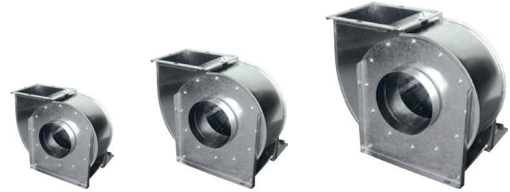
## PRODUCTION RANGE

This single inlet range of fans, suitable for continuous extraction of airstreams temperature up to 150°C, is available in 14 sizes.



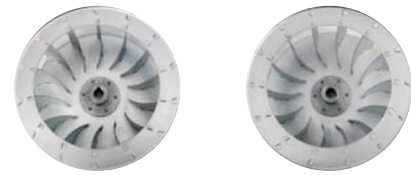
### Housing

FKK range is supplied with galvanized steel plate housing mounted with Pittsburg system. All inlet connections are supplied with a circular flange.



### Impeller

Semi-backward impeller manufactured from galvanized sheet steel dynamically balanced according to ISO 1940. For big sizes impeller is fully welded.



### Motor

- Available in 4 and 6 poles.
- All motors are IP55 class F
- Single phase 230V/50HZ up to 1.5kW
- Three phase 230V/400V/50Hz up to 3kW
- Three phase 400V/50Hz for higher power motors
- IE1 standard efficiency
- IE2 high efficiency
- On request:**
- IE3 premium efficiency



### On request

- Painted housing on customers approval.
- Stainless steel construction AISI 304 or 316 (FKKI series).
- Acoustic cabinet fan construction (insulated panel box).



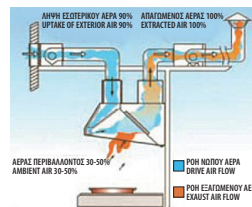
F/S-FKK

### Applications

FKK fans are suitable for extract application in commercial, process and industrial applications.

#### Specific application:

Industrial & commercial kitchens



### Electrical Accessories

- Frequency drives
- Single phase electronic speed controller



REB-5000W



### Mounting Accessories

- Circular discharge / inlet adaptor
- Flexible duct connector
- Circular spiral airducts
- Motor outdoor cover





## TECHNICAL CHARACTERISTICS - 4 POLES MOTORS

TYPE	kW	VOLT	Motor speed rpm	AIR FLOW m <sup>3</sup> /h	Inlet diameter ømm
FKKB/4-200/050	0,37	230	1450	2.400	200
FKKT/4-200/050		400			
FKKB/4-250/100	0,75	230	1450	4.000	250
FKKT/4-250/100		400			
FKKB/4-250/150	1,1	230	1450	4.400	250
FKKT/4-250/150		400			
FKKB/4-300/200	1,5	230	1450	7.150	300
FKKT/4-300/200		400			
FKKT/4-350/300	2,2	400	1450	8.300	350
FKKT/4-350/400	3	400	1450	8.500	350
FKKT/4-400/550	4	400	1450	9.800	400
FKKT/4-450/750	5,5	400	1450	14.400	450

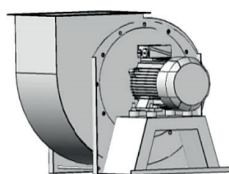
## TECHNICAL CHARACTERISTICS - 6 POLES MOTORS

TYPE	kW	VOLT	Motor speed rpm	AIR FLOW m <sup>3</sup> /h	Inlet diameter ømm
FKKB/6-250/050	0,37	230	950	3.000	250
FKKT/6-250/050		400			
FKKB/6-300/100	0,75	230	950	5.200	300
FKKT/6-300/100		400			
FKKB/6-300/150	1,1	230	950	5.400	300
FKKT/6-300/150		400			
FKKB/6-350/200	1,5	230	950	6.250	350
FKKT/6-350/200		400			
FKKT/6-400/300	2,2	400	950	7.500	400
FKKT/6-450/550	4	400	950	12.500	450

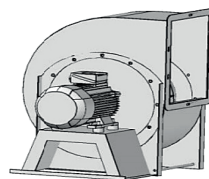
Before making any electrical connection ensure that the voltage and frequency of the mains electrical supply matches that of the fan data plate label.

### Fan assembly

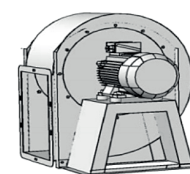
The direction of rotation is determined from the drive side of the fan.



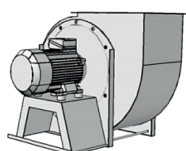
**RD0**



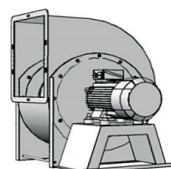
**RD90**



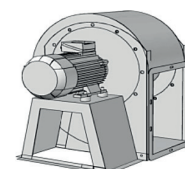
**RD270**



**LG0**



**LG90**



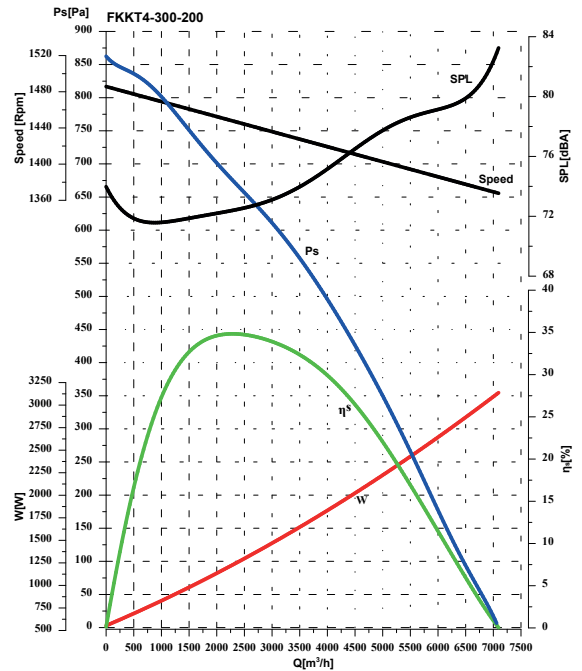
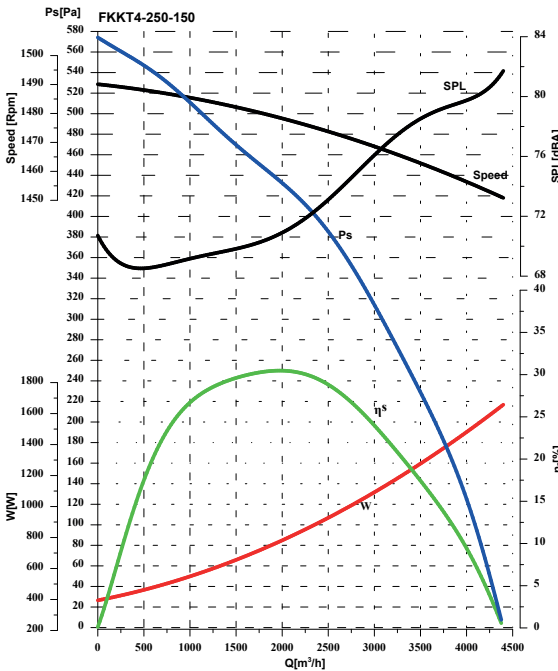
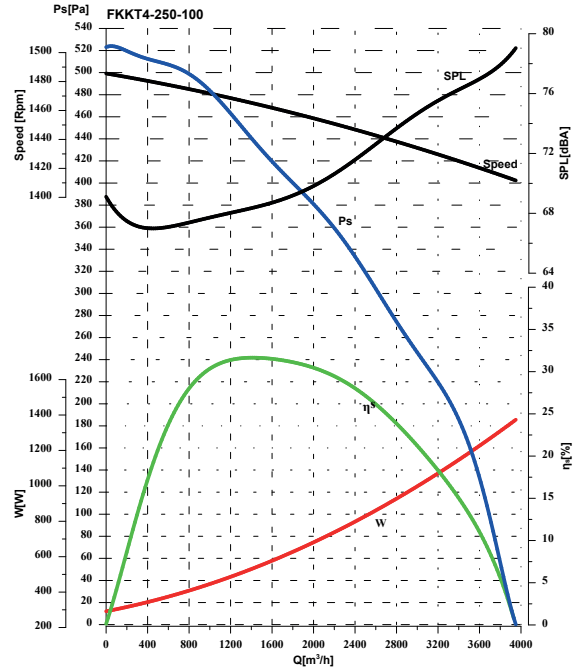
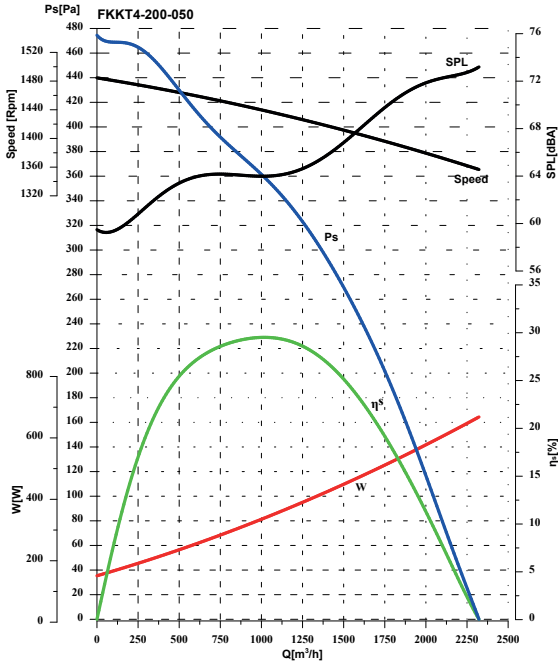
**LG270**



## PERFORMANCE CURVES

Performance curves of FKK series are in accordance with AMCA standard 210-99 Fig.15.

- Air density  $1.2\text{kg/m}^3$
- $\eta_s$ : overall static efficiency [%]
- $Q$ : airflow in  $\text{m}^3/\text{h}$
- $P_s$ : static pressure in Pa
- Fan efficiency without speed control

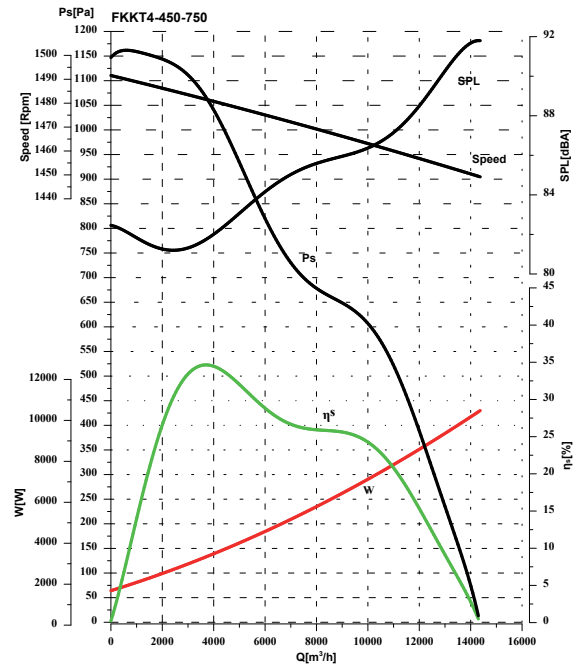
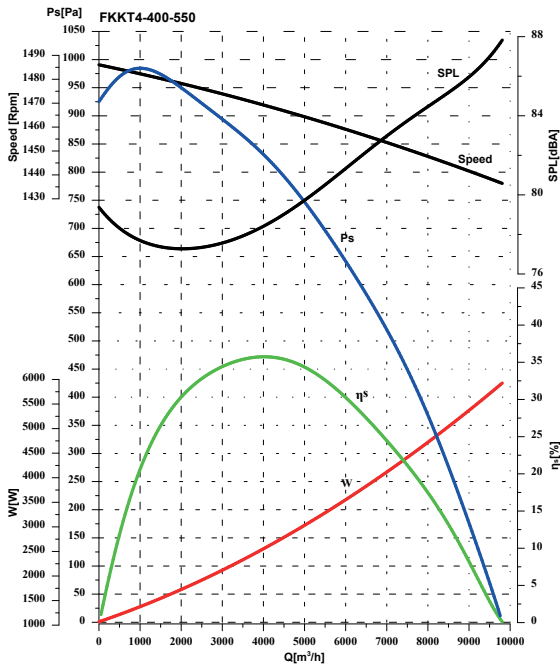
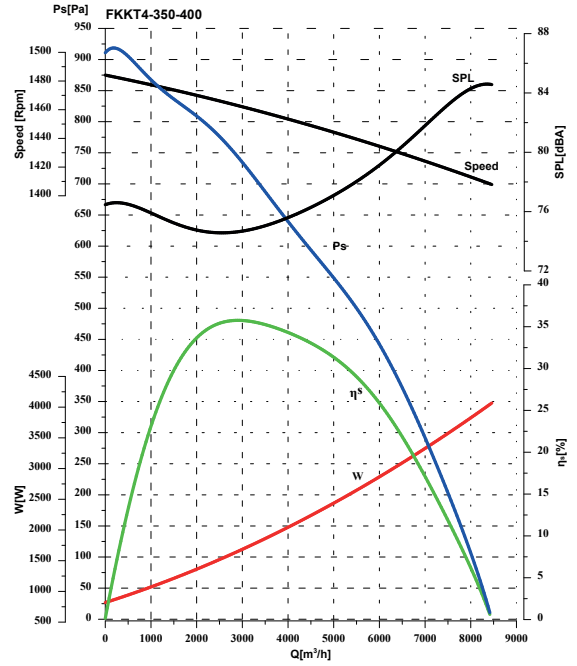
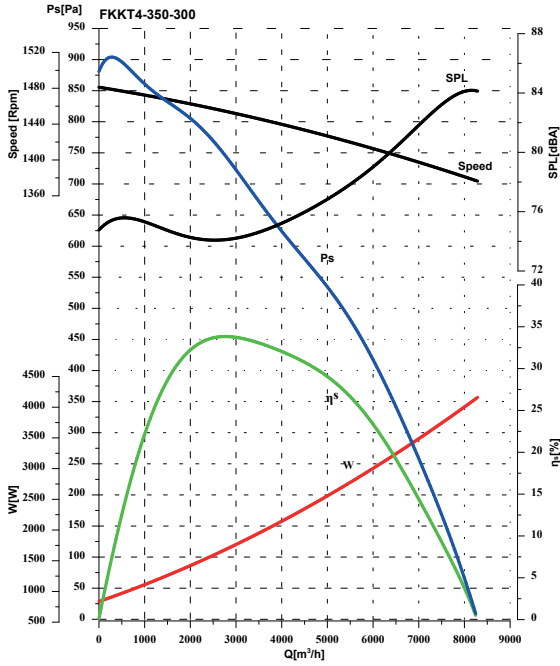




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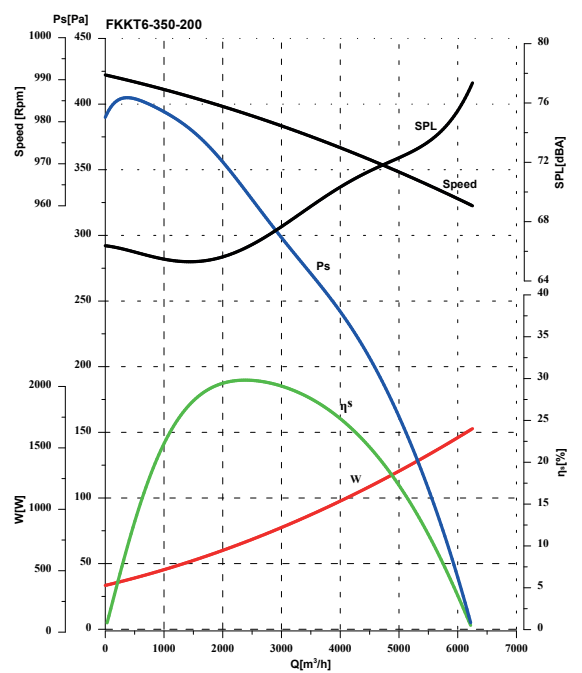
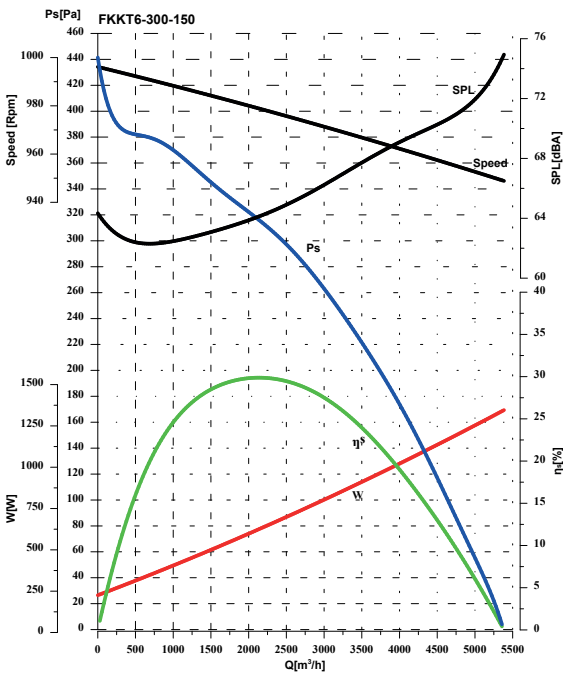
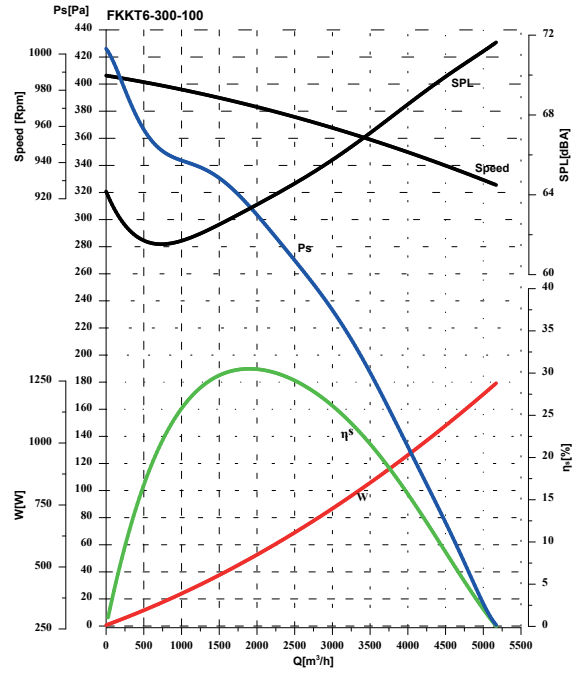
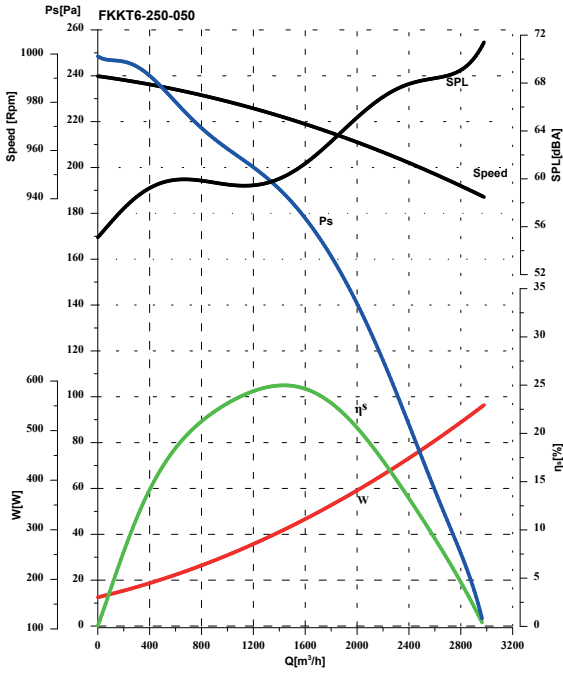




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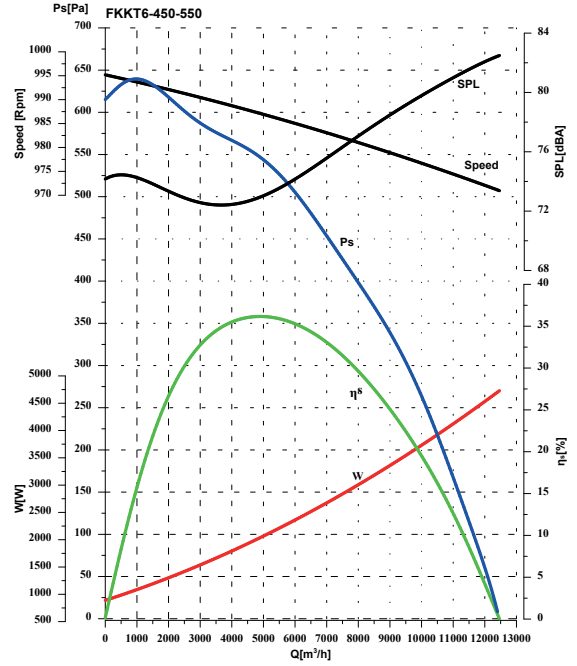
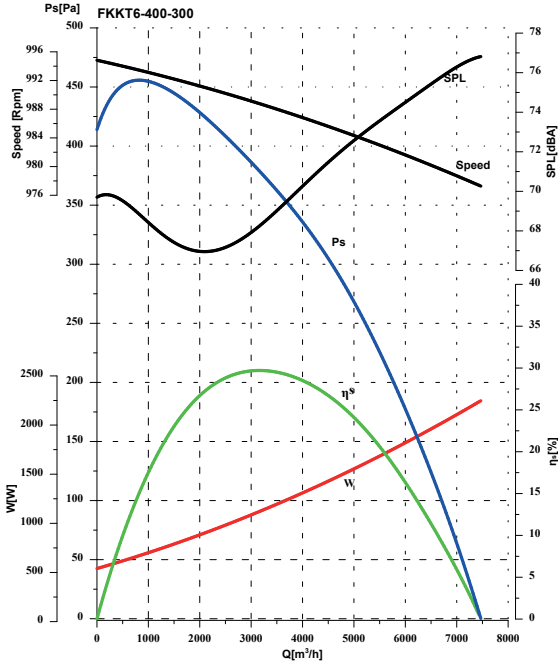




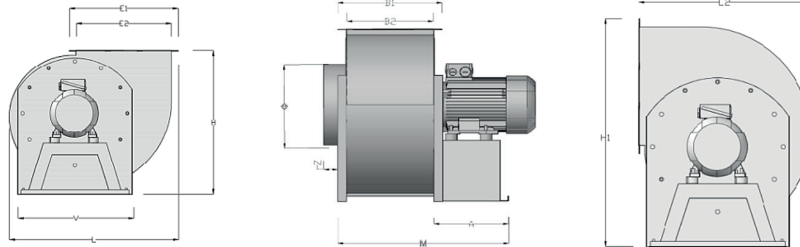
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- $P_s$ : static pressure in Pa
- Fan efficiency without speed control



## DIMENSIONS



TYPE	H	L	H1	L1	M	V	E1*B1	E2*B2	ø	N	A
FKK - 200	455	510	565	450	430	380	290*255	240*200	195	60	200
FKK - 250	540	625	680	515	470	424	395*270	340*215	245	60	220
FKK - 300	630	740	785	615	592	518	434*350	370*290	295	60	270
FKK - 350	710	780	890	670	695	518	490*394	425*330	345	70	320
FKK - 400	720	790	910	690	665	545	565*410	495*335	395	65	290
FKK - 450	845	950	1055	800	890	640	620*510	470*435	445	80	417

## LABELLING

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www.kaffe.gr www.ventilation.gr info@kaffe.gr

MADE IN EU

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**FKK - SERIES**

FKKT/4-250/100 – LG0		AIR TEMP. UP TO 150 °C CONTINUOUS			
MOTOR TYPE	RPM	POWER	V	I	
IE 2 CLASS F IP 55	1450	0,75kW	230/400V	2,2A	
ORDER No	2585	SER. No	15112	P.D.	16.10.2015

## CERTIFICATES





Technical specification for information purposes only. KAFFE SA reserves the right to change them without any previous notice.



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