

APPLICATION

Fan designed for transporting non-aggressive and non-explosive gases without contamination. Typical applications:

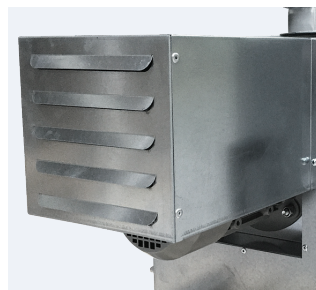
- kitchen hoods,
- hoods in small catering outlets.

CONSTRUCTION

- centrifugal fan with direct drive,
- the housing is made of galvanized sheet steel, acoustically insulated and thermally mat in fire resistance class A1, 50mm thick,
- the impeller (models from 160 to 280) is welded from galvanizes steel sheet with forward curved blades (type F), the impeller (models 315 and 355) is welded from aluminium sheet,
- impellers dynamically balanced,
- motor with impeller mounted on a tilting door, providing easy access to the interior of the fan and maintenance,
- motor cover is made of galvanized sheet steel,
- the fan has handles on which the fan can be placed,
- drainage as standard,
- vibro-isolators as standard,
- the suction and discharge fan is equipped with connection stubs with rubber gaskets.
- maximum temperature of the transported medium is 120°C.

MOTOR

- insulation class F,
- degree of protection IP55,
- power supply:
 - asynchronous, three-phase 230V/400V 50Hz
 - asynchronous single-phase 230V 50Hz (depends on fan type and their motor power),
- suitable for frequency speed control (three-phase motors),
- suitable for voltage speed control (single-phase motors).



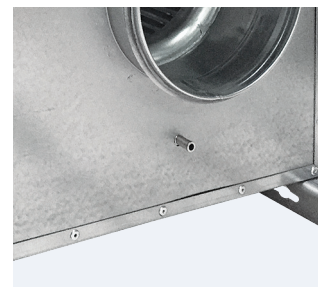
Motor cover



Tilting door



Universal holders with vibro-isolators



Drain for draining condensate / fat



WWW



DTR



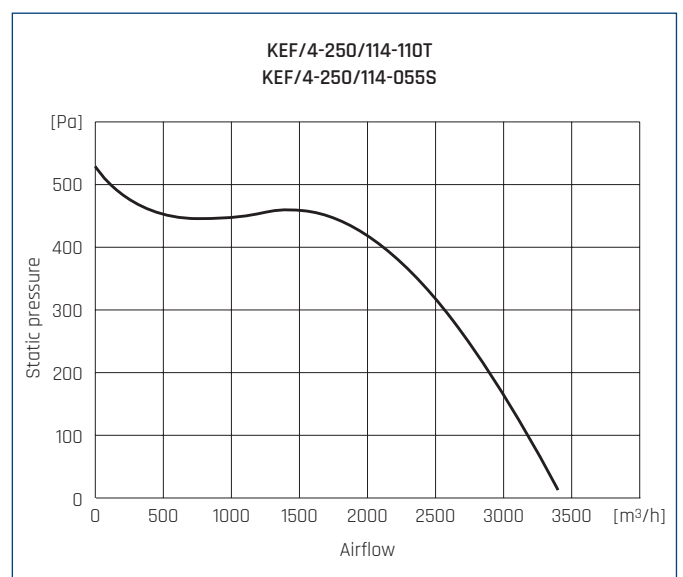
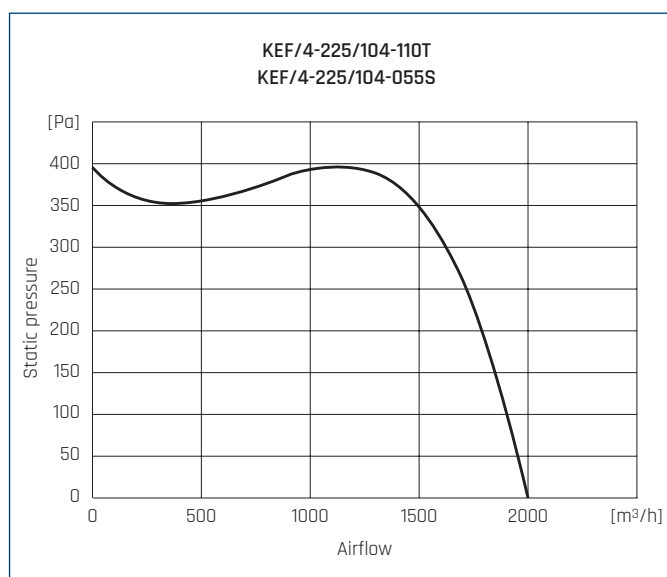
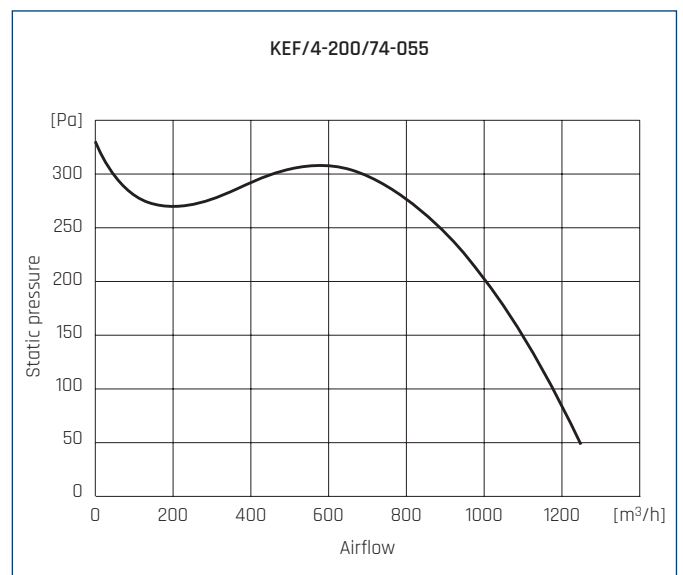
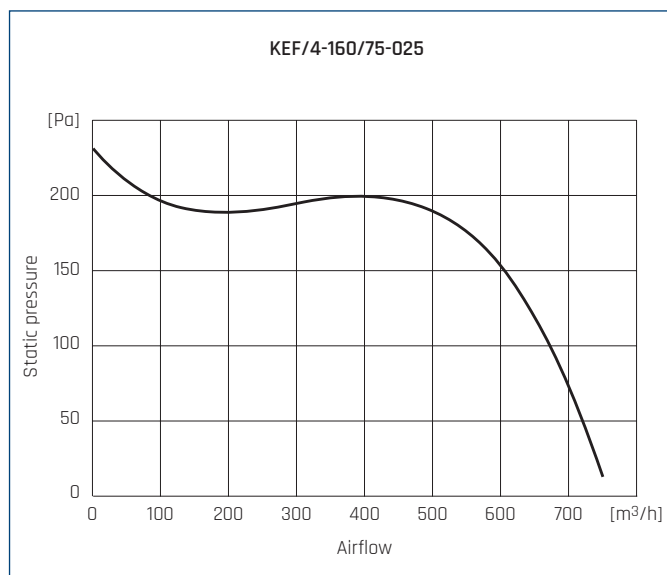
CE

TECHNICAL CHARACTERISTICS

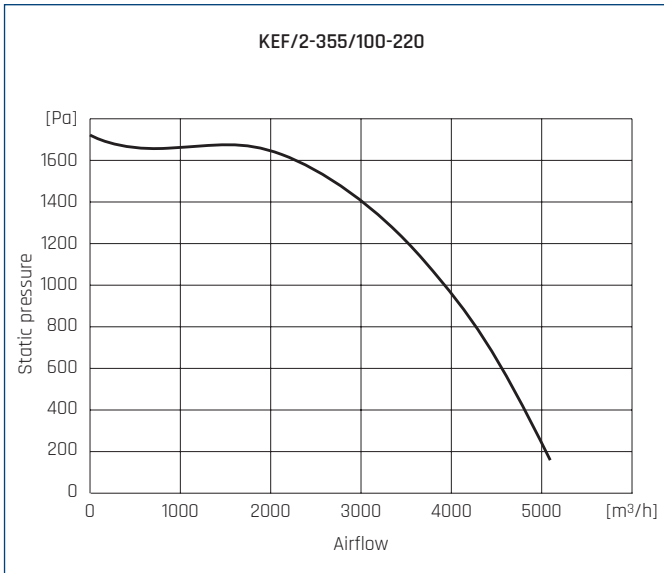
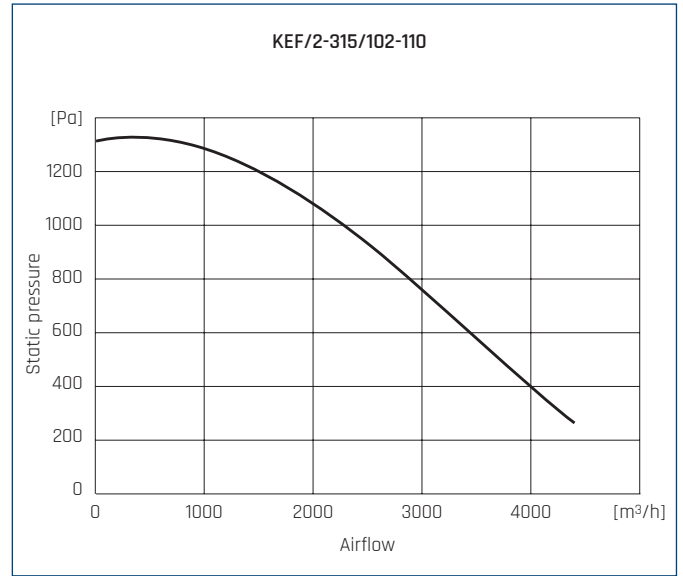
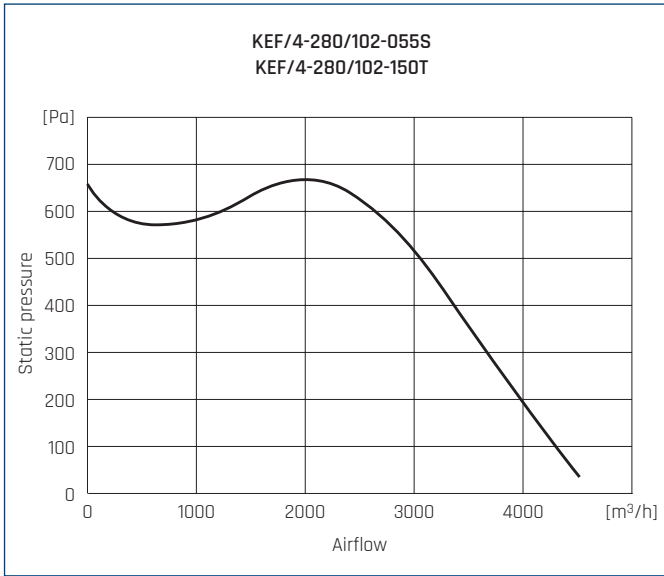
Type	airflow max	pressure max	maximum absorbed power	speed	maximum absorbed current	voltage	capacitor	sound pressure level*	weight	article number
	[m ³ /h]	[Pa]	[kW]	[r.p.m.]	[A]	[V]	[μF]	[dB(A)]	[kg]	
KEF/4-160/75-025S	750	250	0,25	1420	1,7	230	30	58	30	45013011
KEF/4-160/75-025T	750	250	0,25	1380	0,85	400	-	58	30	45013017
KEF/4-200/74-055S	1250	330	0,55	1430	3,8	230	60	60	40	45013031
KEF/4-200/74-055T	1250	330	0,55	1400	1,5	400	-	60	40	45013037
KEF/4-225/104-055S	2000	400	0,55	1380	3,8	230	40	65	46	45013041
KEF/4-225/104-075T IE3	2000	400	0,75	1430	2,1	400	-	65	47	435013046
KEF/4-250/114-110S	3400	500	1,1	1300	7,5	230	80	67	53	45013051
KEF/4-250/114-075T IE3	3400	500	0,75	1430	2,1	400	-	67	52	435013056
KEF/4-280/102-110S	4500	660	1,1	1300	7,5	230	80	73	61	45013061
KEF/4-280/102-150T IE3	4500	660	1,5	1440	3,6	400	-	73	62	435013066
KEF/2-315/102-110S	4400	1330	1,1	2880	7,25	230	90	76	78	45013071
KEF/2-315/102-110T IE3	4400	1330	1,1	2890	2,5	400	-	76	79	435013076
KEF/2-355/100-220T IE3	5100	1700	2,2	2895	4,6	400	-	80	84	435013086

* sound pressure measured at a distance of 1,5m from the fan at q=2/3*qmax

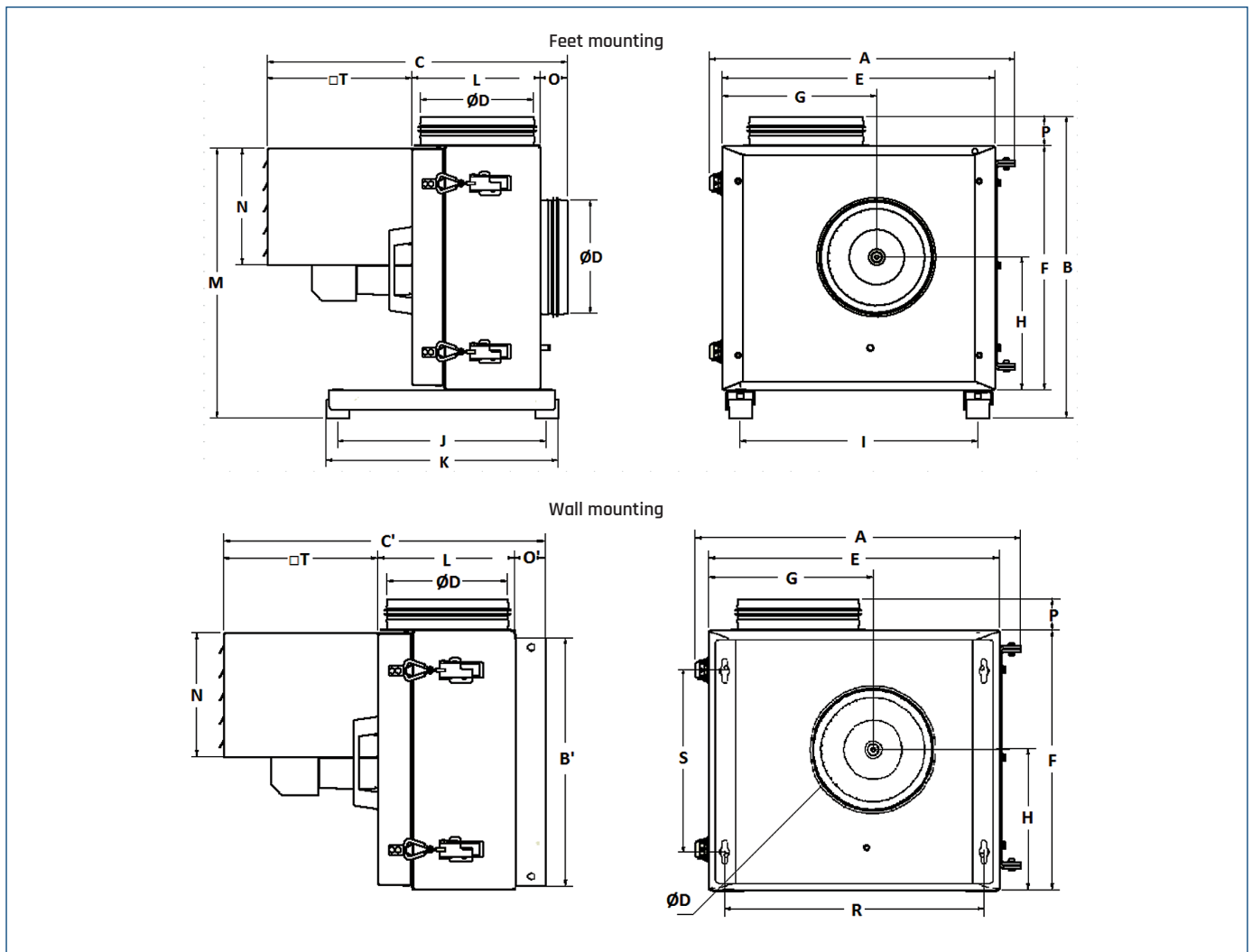
PERFORMANCE CURVES



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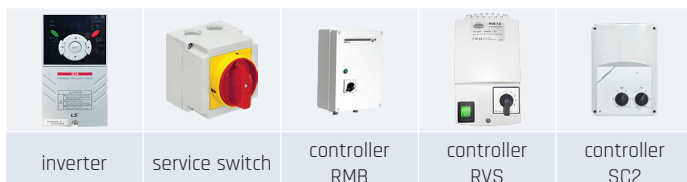
DIMENSIONS [mm]



Type	A	B	B'	C	C'	ØD	E	F	G	H	I	J	K	L	M	N	O	O'	P	R	S	$\square T$
KEF/4-160	478	476	390	503	516	160	422	387	240	210	352	360	400	216	432	200	37	50	40	394	290	250
KEF/4-200	526	520	390	517	520	200	470	420	266	229	410	360	400	221	464	200	47	50	50	422	290	290
KEF/4-225	606	569	500	606	620	225	550	480	318	266	492	460	500	260	500	200	36	50	40	458	360	310
KEF/4-250	636	609	500	640	634	250	580	500	335	281	520	460	500	274	512	200	56	50	60	530	360	310
KEF/4-280	707	660	570	660	675	280	650	570	379	318	590	530	570	315	594	200	35	50	40	597	430	310
KEF/4-315	735	716	570	645	650	315	680	618	383	344	600	540	580	350	600	200	45	50	50	628	470	250
KEF/4-355	856	796	800	723	730	355	800	695	459	387	715	770	810	370	646	200	43	80	50	756	700	310

ELECTRICAL ACCESSORIES

Type	controller			inverter	service switch
	RMB	RVS	SC2		
KEF/4-160/75-025S	RMB-3,5	RVS-3	SC2A1-35L25	-	R-S 1-F + SP, 16A
KEF/4-160/75-025T	-	-	-	L 0,4kW	R-S 3-F + SP, 10A
KEF/4-200/74-055S	RMB-8	RVS-5	SC2A1-50L25	-	R-S 1-F + SP, 16A
KEF/4-200/74-055T	-	-	-	L 0,75 kW	R-S 3-F + SP, 10A
KEF/4-225/104-055S	RMB-8	RVS-5	SC2A1-50L25	-	R-S 1-F + SP, 16A
KEF/4-225/104-075T IE3	-	-	-	L 0,75 kW	R-S 3-F + SP, 10A
KEF/4-250/114-110S	RMB-10	RVS 10	SC2A1-110L25	-	R-S 1-F + SP, 16A
KEF/4-250/114-075T IE3	-	-	-	L 0,75 kW	R-S 3-F + SP, 10A
KEF/4-280/102-110S	RMB-10	RVS 10	SC2A1-110L25	-	R-S 1-F + SP, 16A
KEF/4-280/102-150T IE3	-	-	-	L 1,5 kW	R-S 3-F + SP, 10A
KEF/2-315/102-110S	RMB-8	RVS 10	SC2A1-110L25	-	R-S 1-F + SP, 16A
KEF/2-315/102-110T IE3	-	-	-	L 1,5 kW	R-S 3-F + SP, 10A
KEF/2-355/100-220T IE3	-	-	-	L 2,2 kW	R-S 3-F + SP, 10A



Article numbers

RMB-3,5	40025070	RVS-3	40025234	SC2A1-35L25	40025255	L 0,4kW	40016302	L 2,2 kW	40016332
RMB-8	40025080	RVS-5	40025235	SC2A1-50L25	40025257	L 0,75 kW	40016312	R-S 1-F + SP, 16A	91040907-02
RMB-10	40025090	RVS-10	40025237	SC2A1-110L25	40025261	L 1,5 kW	40016322	R-S 3-F + SP, 10A	91040908-01