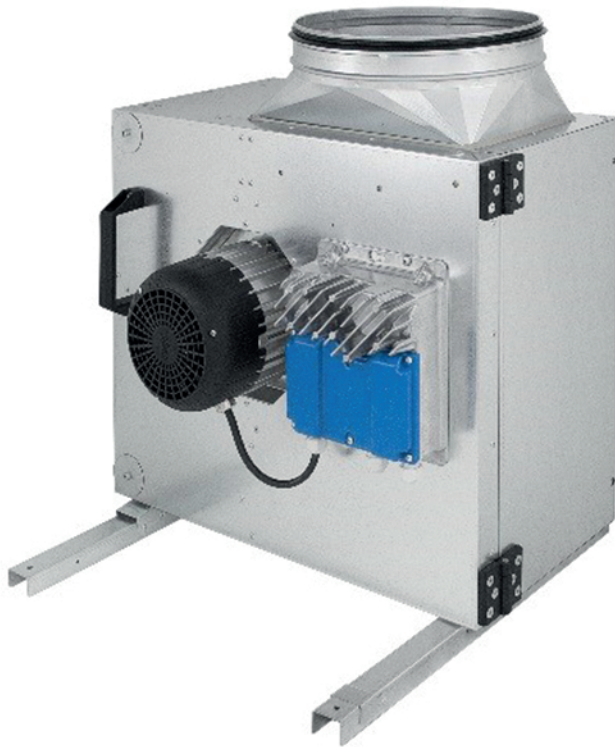


- Extract fan for cooker hood
- IP54



Centrifugal fans type KCF-N EC

Single inlet centrifugal fan with EC motor outside the air flow for 0-10V controls

Application

- Used for the extraction of industrial cooker hoods for duties up to 6975 m³/h

Composition

- Double skin housing with 40 mm mineral wool and wide-opening door for easy access for cleaning.
- 40mm insulation with fire class A1 according to DIN 4102-1
- Circular in-and outlet
- Condensation and grease drain
- EC motor with internal electronic thermal protection
- Voltage: 230 Vac 1 ph
- Motor outside the air stream
- Turbine with blades bent backwards
- Insulation class F
- Motor protection class: IP54

Accessories

- Protective cap, type **MPG KCF EC**
- Mounting clamp, type **BMK**
- Potentiometers 0-10V, type **ESCP010**
- Differential pressure regulators, type **DMD-C**

Other available products

- Single inlet centrifugal fans for extractor hoods, type **KCF-N**
- Plug & play compensation and pulse group for kitchen applications, type **EVENTYS**

Order example

- **KCF-N 225 EC 30**

Explanation:

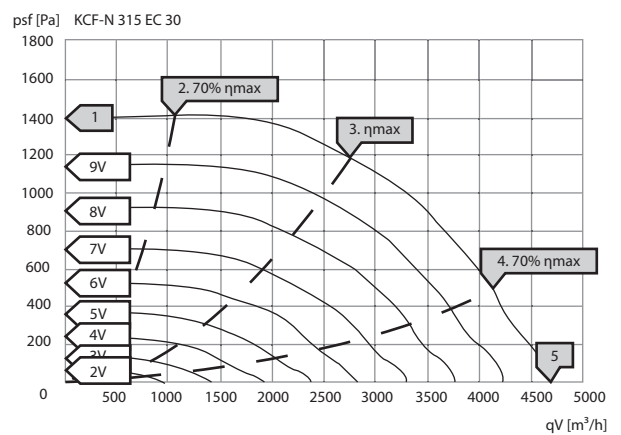
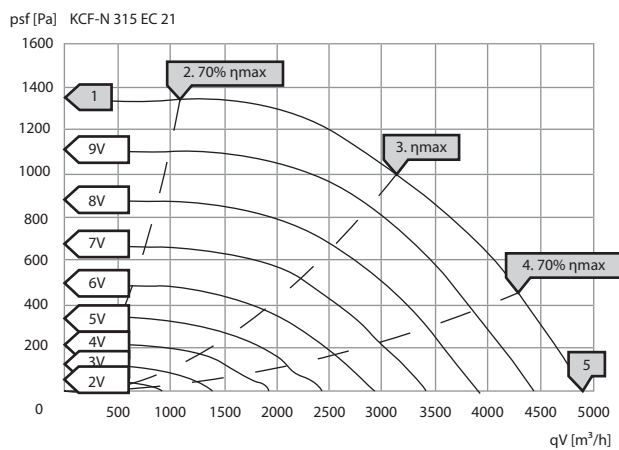
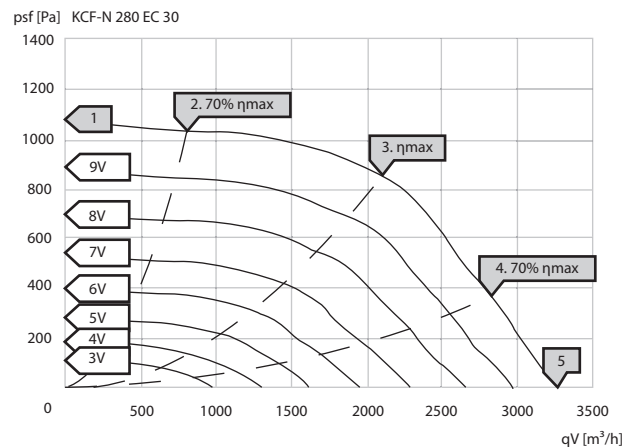
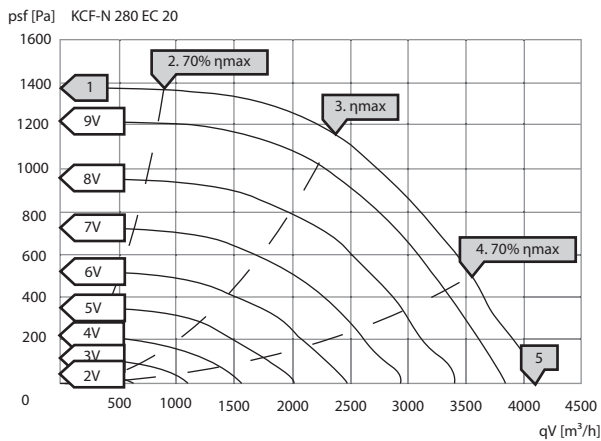
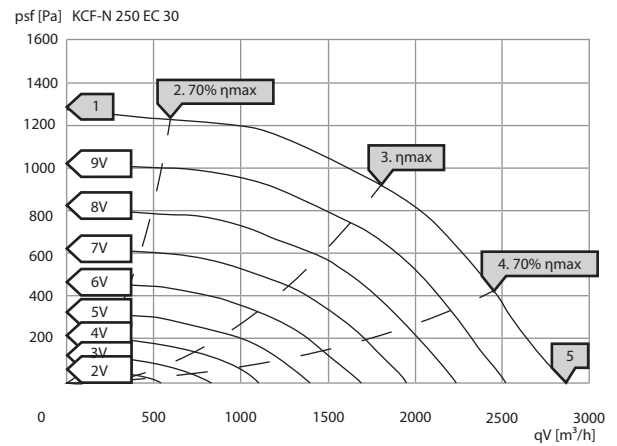
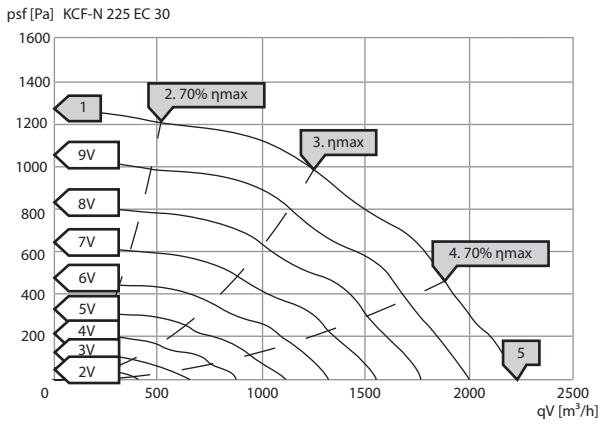
KCF-N = Type of fan

EC = EC motor

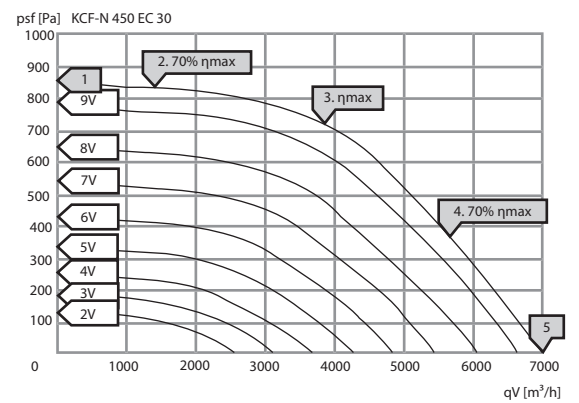
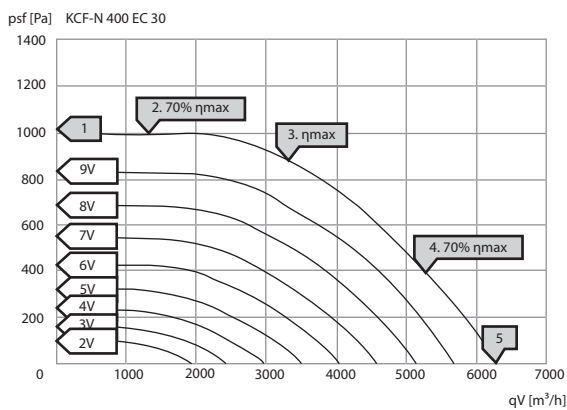
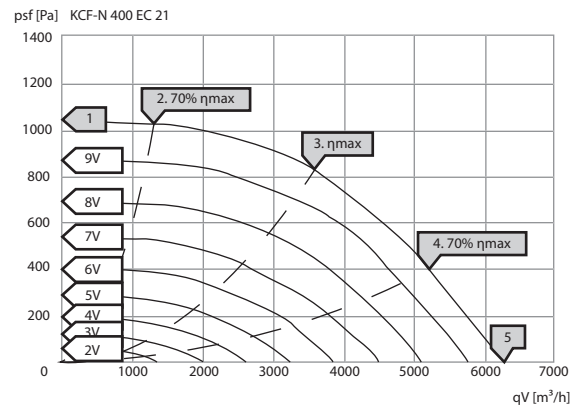
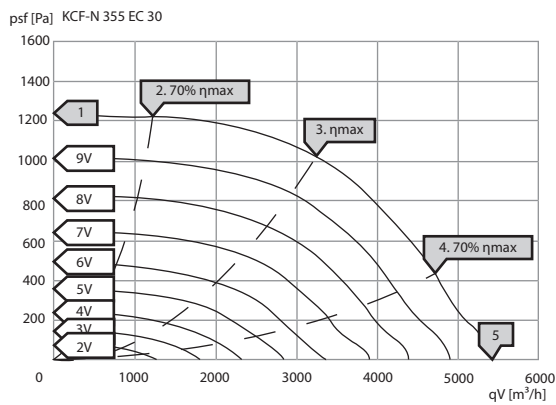
30 = version

Air performance data														
	Q [m³/h]													
	100 Pa	200 Pa	300 Pa	400 Pa	500 Pa	600 Pa	700 Pa	800 Pa	900 Pa	1000 Pa	1100 Pa	1200 Pa	1300 Pa	1400 Pa
KCF-N 225 EC 30	2163	2091	2010	1930	1860	1788	1670	1494	1355	1230	1052	606	--	--
KCF-N 250 EC 30	2745	2637	2548	2470	2380	2273	2158	2030	1851	1608	1363	963	--	--
KCF-N 280 EC 30	3131	3008	2901	2786	2647	2520	2405	2238	1943	1437	--	--	--	--
KCF-N 315 EC 30	4624	4475	4316	4203	4101	3971	3821	3659	3484	3275	3016	2705	2347	1613
KCF-N 355 EC 30	5310	5087	4891	4752	4599	4407	4194	3956	3682	3335	2829	1818	--	--
KCF-N 400 EC 30	6069	5823	5575	5279	4936	4602	4247	3796	3209	1609	--	--	--	--
KCF-N 450 EC 30	6664	6282	5895	5533	5122	4625	4007	2838	--	--	--	--	--	--

Selection curves

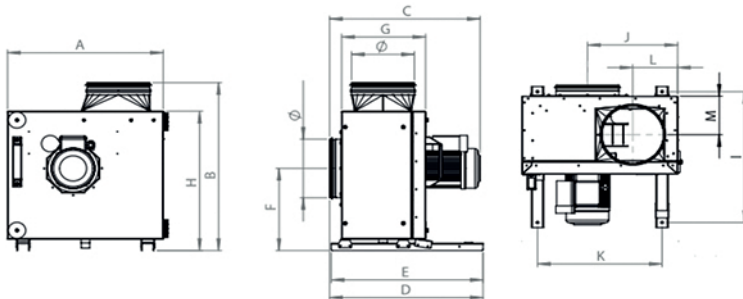


Selection curves



Technical data										
	U [V]	P [W]	I _{max} [A]	SC _P	t _m [°C]	t _u [°C]	t _o [°C]	Lwa 5	Lwa [db(A)] Lwa 6	Lwa 2
KCF-N 225 EC 30	1x230V	693	3.2	ESCP010	120	50	-20	89	90	80
KCF-N 250 EC 30	1x230V	894	4.2	ESCP010	120	50	-20	91	90	80
KCF-N 280 EC 30	1x230V	885	4.1	ESCP010	120	50	-20	88	92	75
KCF-N 315 EC 30	1x230V	1470	10.7	ESCP010	120	50	-20	94	94	77
KCF-N 355 EC 30	1x230V	1511	10.7	ESCP010	120	50	-20	93	93	76
KCF-N 400 EC 30	1x230V	1333	9.7	ESCP010	120	50	-20	87	89	75
KCF-N 450 EC 30	1x230V	1350	9.7	ESCP010	120	50	-20	88	89	75

- SC_P = Potentiometer 0-10V
- η_t = Maximum total efficiency
- T_m = Maximum air temperature
- T_u = Maximum ambient temperature
- T_o = Minimum operating temperature
- Lwa 2 = Casing sound power level
- Lwa 5 = Sound power level @inlet
- Lwa 6 = Sound power level @outlet
- The sound power levels are measured according to DIN 45635 part 2 & 38



Attention

3 positions possible. Vertical discharge available on stock. The other two positions must be provided by the customer on site.

	Dimensions														
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	J [mm]	K [mm]	L [mm]	M [mm]	Ø [mm]	[kg]
KCF-N 225 EC 30	492	574	480	483	480	279	365	474	445	285	394	142	131	199	28
KCF-N 250 EC 30	592	693	549	562	540	329	315	561	505	344	494	166	156	249	36.4
KCF-N 280 EC 30	592	692	554	567	540	329	315	561	505	344	494	200	156	314	37
KCF-N 315 EC 30	700	790	611	620	590	382	365	663	555	404	602	218	181	354	50
KCF-N 355 EC 30	700	790	611	620	590	382	365	663	555	404	602	218	181	354	54.7
KCF-N 400 EC 30	832	916	611	620	590	448	365	789	555	477	734	220	181	354	72
KCF-N 450 EC 30	832	916	611	620	590	448	365	789	555	477	734	220	181	354	74