

KRFI-SN EC

- Roof fans EC motor
- Vertical discharge
- Motor out of air stream
- 120°C



Roof exhaust units type KRFI-SN EC

Roof fan with vertical discharge and acoustic insulation (40 mm)

Application

- These fans are used for ventilation of industrial kitchens and for air extraction up to 120°C

Composition

- Casing made out of AlMg3 aluminium that is resistant to seawater with protection grille.
- 40 mm insulation with fire class A1 according to DIN 4102-1
- Turbine with backward curved impeller with blades that are made of galvanised steel plate up to type 280 and of aluminium for all other types, balanced G6.3 according to DIN ISO 1940.
- External rotor motor with speed control and overheat protection.
- Voltage: 230 Vac, 1 ph and 400 Vac 3 ph.
- Swivel motor compartment.
- Insulation class F
- Motor protection class: IP54
- Security switch
- Equipped with integrated drain pan and evacuation.

Accessories

- Acoustically insulated roof socket, type **RAC-I**
- Roof socket, type **RC-I**
- Adapter plate, type **RAP**
- Backdraught shutter, type **RAS**
- Matching flange, type **RIF**
- Flexible connector, type **RFC**
- Potentiometers 0-10V, type **ESCP010**
- Differential pressure regulators, type **DMD-C**

Order example■ **KRFI-SN 400 E4 30**

KRFI-SN = Type of fan

400 = Size

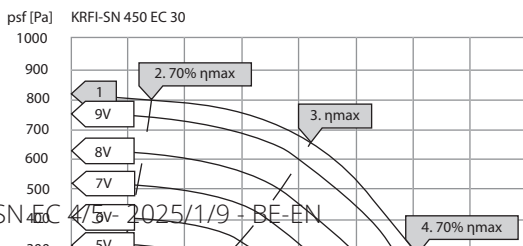
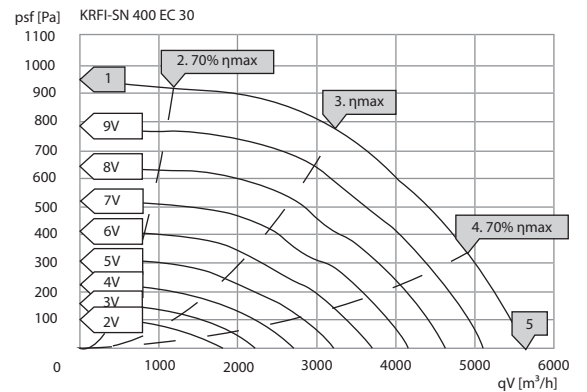
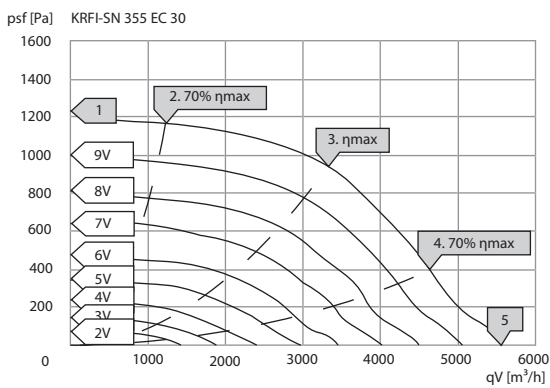
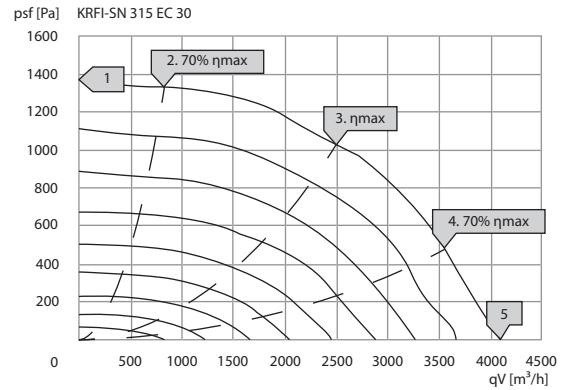
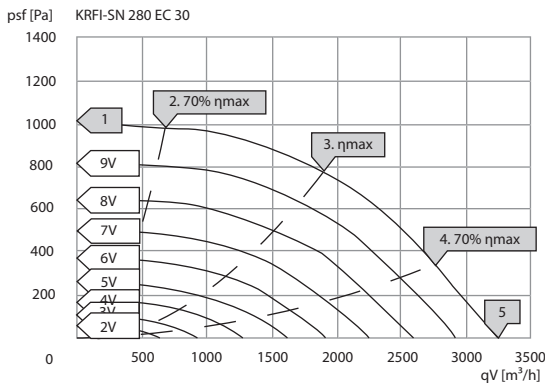
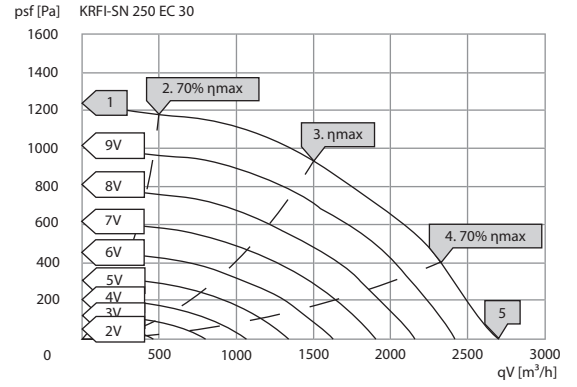
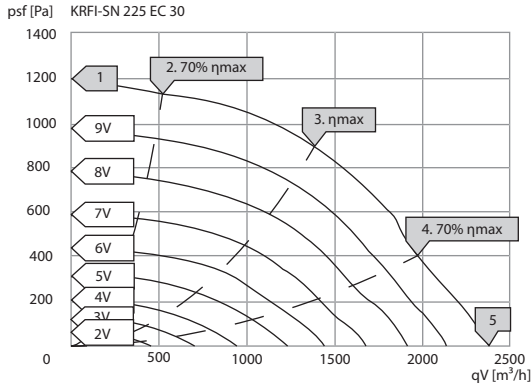
E = 1x230V

4 = Number of poles

30 = Version

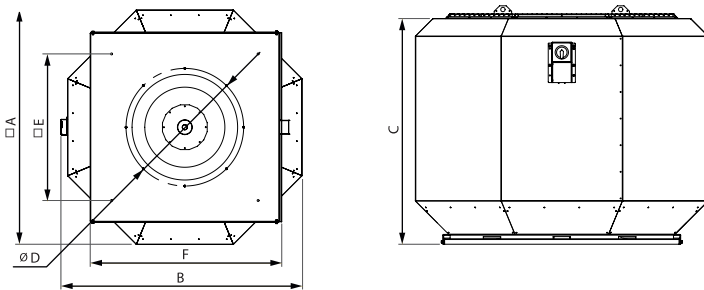
	Air performance data									
	Q [m ³ /h]									
	50 Pa	100 Pa	150 Pa	200 Pa	250 Pa	300 Pa	400 Pa	500 Pa	600 Pa	700 Pa
KRFI-SN 225 EC 30	2326	2290	2249	2202	2149	2091	1976	1888	1807	1702
KRFI-SN 250 EC 30	2640	2591	2541	2494	2449	2407	2323	2224	2097	1941
KRFI-SN 280 EC 30	3168	3097	3022	2948	2879	2813	2675	2518	2340	2117
KRFI-SN 315 EC 30	4023	3971	3916	3858	3799	3744	3637	3527	3397	3249
KRFI-SN 355 EC 30	5448	5324	5179	5034	4906	4802	4630	449	4239	4008
KRFI-SN 400 EC 30	5561	5462	5348	5222	5094	4968	4716	4425	4016	3593
KRFI-SN 450 EC 30	7076	6873	6648	6416	6190	5977	5580	4117	4573	3806

Selection curves



Technical data												
	U [V]	P [W]	I [A]	SC _P	η _t [%]	t _m [°C]	t _u [°C]	t _o [°C]	n [rpm]	Lwa [dB(A)]		
										Lwa 5	Lwa 6	Lwa 2
KRFI-SN 225 EC 30	1 x 230	662	3.1	ESCP010	52.4	120	40	-20	3998	86	84	-
KRFI-SN 250 EC 30	1 x 230	770	3.6	ESCP010	49.9	120	40	-20	3640	89	87	-
KRFI-SN 280 EC 30	1 x 230	796	3.7	ESCP010	54.5	120	40	-20	3000	87	86	-
KRFI-SN 315 EC 30	1 x 230	1329	9.6	ESCP010	53.5	120	50	-20	3100	91	89	-
KRFI-SN 355 EC 30	1 x 230	1418	10.1	ESCP010	59	120	50	-20	2550	88	86	-
KRFI-SN 400 EC 30	1 x 230	1196	8.8	ESCP010	56.6	120	50	-20	2000	86	87	-
KRFI-SN 450 EC 30	1 x 230	1240	8.9	ESCP010	59.9	120	50	-20	1640	86	83	-

- 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



	Dimensions						
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	[kg]
KRFI-SN 225 EC 30	534	553	482	Ø213 - (6x) M6x15	245	335	28
KRFI-SN 250 EC 30	534	553	482	Ø213 - (6x) M6x15	245	335	28.5
KRFI-SN 280 EC 30	651	655	512	Ø286 - (6x) M6x15	330	435	36.7
KRFI-SN 315 EC 30	651	655	512	Ø286 - (6x) M6x15	330	435	48.6
KRFI-SN 355 EC 30	804	-	565	Ø438 - (6x) M6x15	450	595	60.9
KRFI-SN 400 EC 30	804	-	565	Ø438 - (6x) M6x15	450	595	62.8
KRFI-SN 450 EC 30	984	-	737	Ø438 - (6x) M6x15	535	668	103.4