

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



Roof Unit type ARU-S EC

Roof unit with EC motor

Application

- These fans are designed for direct or ducted ventilation in residential, commercial and industrial buildings

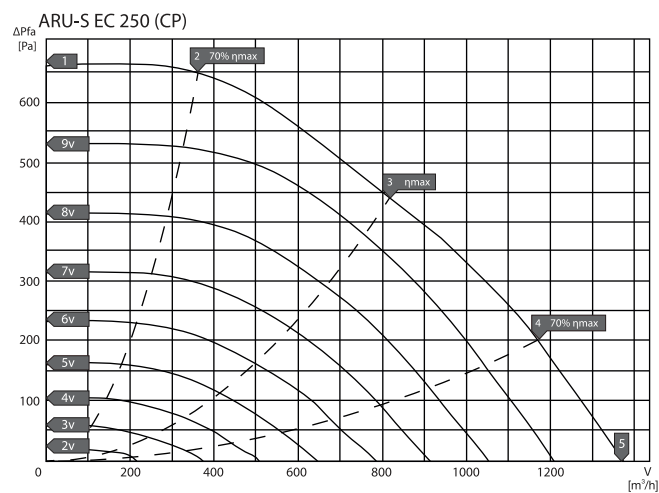
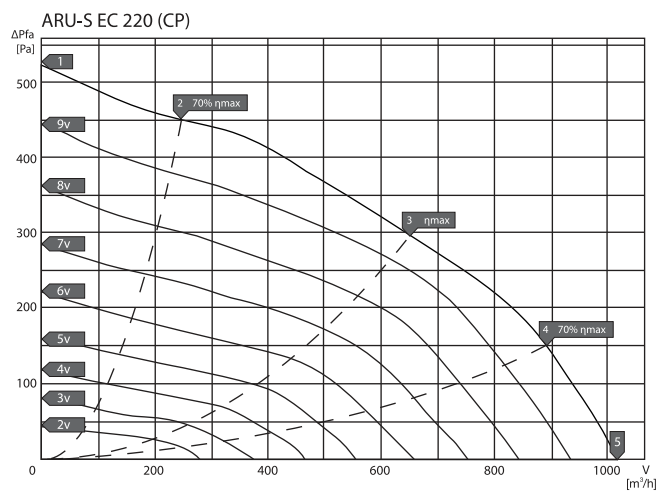
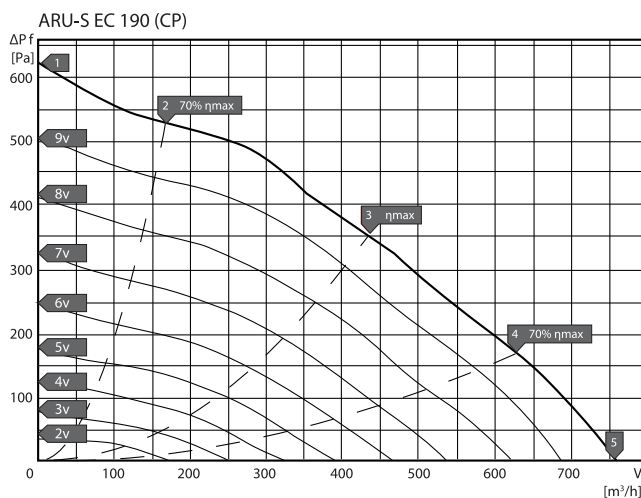
Composition

- The plastic (ASA) RAL 7012 housing, with security switch, is made like a bird and finger guard
- Frame made of galvanized sheet steel powder coated with threaded pins for connection of flanges
- Turbine with backward curved blades, procured from plastic and outbalanced G6.3 according to DIN ISO 1940
- The EC motor has an integrated motor protection and is speed controllable
- Turnover:
 - Constant speed regulation (0-10V steering) for models ARU-S EC 20
 - Constant pressure regulation for models ARU-S ECCP 20
- Voltage: 230Vac 1ph
- Isolation class F
- Protection classes :
 - IP54 for the engine (exception ARU-S 250 EC(CP) 20)
 - IPX4 for the whole fan
- Connection box IP44
- Integrated safety switch

Ancillaries

- Acoustic roof socket, type **RAC-I**
- Roof socket, type **RC-I**
- Backdraught shutter, type **RAS**
- Flexible connector, type **RFC**
- Matching flange, type **RIE**
- Speed controller, type **MTP010** (not for ARU-S EC CP)
- 3-speed operation switch, type **MSS-D** (not for ARU-S EC CP)

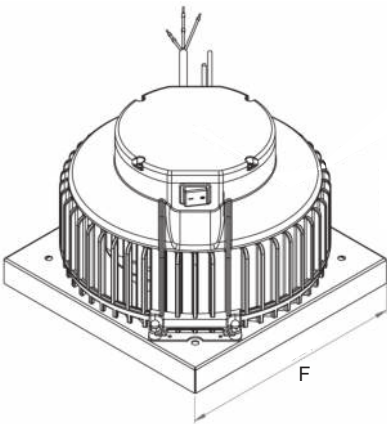
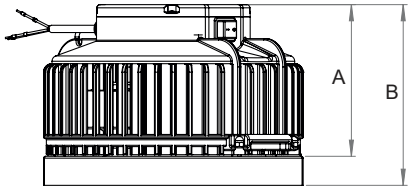
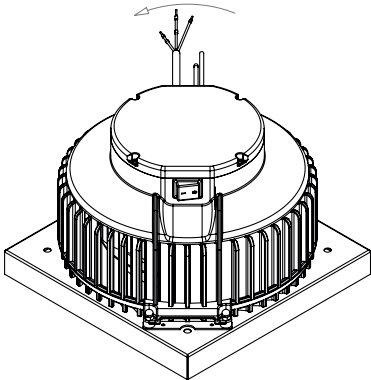
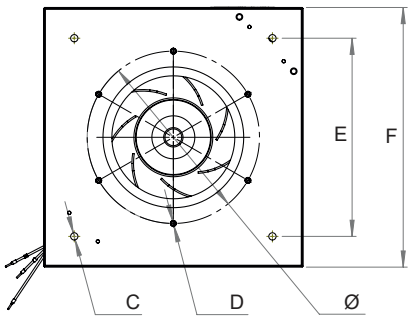
Selection curves



Technical data											Lwa [dB(A)]		
	U [V]	P [W]	I [A]	SC _P	η _t [%]	t _m [°C]	t _u [°C]	t _o [°C]	n [rpm]		Lwa 5	Lwa 6	Lwa 2
ARU-S EC 190 20	1 x 230	103	0.91	MSS-D/MTP010*	39.2	60	60	-30	3520		77	82	-
ARU-S EC 220 20	1 x 230	120	1.02	MSS-D/MTP010*	43.6	60	60	-30	2800		75	80	-
ARU-S EC 250 20	1 x 230	204	1.69	MSS-D/MTP010*	46.3	60	60	-30	2850		83	88	-
ARU-S EC CP 190 20	1 x 230	103	0.91	-	39.2	60	60	-30	3520		77	82	-
ARU-S EC CP 220 20	1 x 230	120	1.02	-	43.6	60	60	-30	2800		75	80	-
ARU-S EC CP 250 20	1 x 230	204	1.69	-	46.3	60	60	-30	2850		83	88	-

- SC_P = Potentiometer 0-10V
- η_t = Maximum total efficiency
- t_m = Maximum air 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

Roof fans



	Dimensions						
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Ø [mm]
ARU-S EC (CP) 190	188	223	4 x Ø9	(6x) M6 x 15	245	321	213
ARU-S EC (CP) 220	188	223	4 x Ø9	(6x) M6 x 15	245	321	213
ARU-S EC (CP) 250	188	242	4 x Ø9	(6x) M6 x 15	245	321	213