

HORIZONTAL DISCHARGE R.E.F. WITH SECURE SWITCH

Rev.01
27-05-2015



GMC REF-542:

Roof unit horizontal outlet with security switch.

Application

- These fans are designed for direct or ducted ventilation in residential, commercial and industrial buildings
- The range comprise 6 sizes with air volumes up to 1200 m³/h

Composition

- The plastic (ASA) RAL 7012 housing is made like a bird and finger guard
- Frame made of galvanized sheet steel powder coated with threaded pins for connection of flanges
- The motor has an integrated motor protection and is speed controllable
- Maintenance-free, long-life ball bearings
- Impeller dynamically balanced in two levels class G6.3 according to DIN ISO 1940
- Supply: 230Vac 1ph
- Motor: Insulation class F – Protection class IPX4
- Noise power level measured in a anechoic chamber to DIN 45635 – part 2
- Noise pressure level measured to DIN 45635 – part 38:
 1. Lwa,2 breakout sound level
 2. Lwa,5 inlet sound level
 3. Lwa,6 outlet sound level

Ancillaries

- Transformer speed controllers type **BTRN**
- Acoustic roof socket **RAC-I**
- Roof socket **RC-I**
- Flexible connector **RFC**
- Matching flange **RIF**
- Backdraught shutter **RAS**



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Air performance data

Mk.	Model	Qv [m ³ /h]					
		50 Pa	100 Pa	150 Pa	200 Pa	250 Pa	300 Pa
	190 E2P 01	400	330	250	150	50	-
	220 E2P 01	840	770	680	570	440	320
	250 E2P 01	1295	1220	1140	1050	930	780
	250 E4P 01	600	400	65	-	-	-

SC_T = transformer controller

η_t = maximum total efficiency

t_m = maximum air temperature

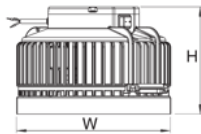
t_o = minimum operating temperature

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



Dimensions

Mk.	Model	W [mm]	H [mm]
		ARU-S 190	321
ARU-S 220	321	223	
ARU-S 250	321	223	