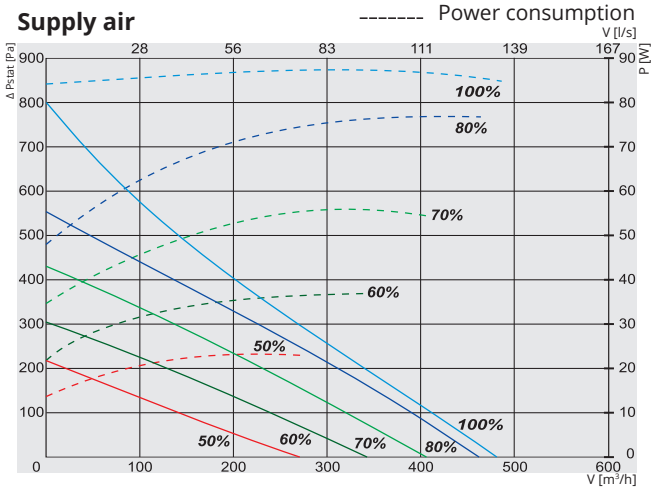
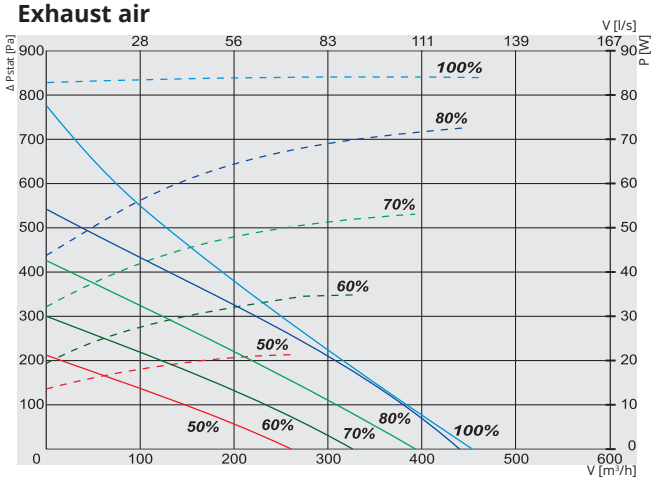
RIRS 400V EKO 3.0

Performance
Power consumption

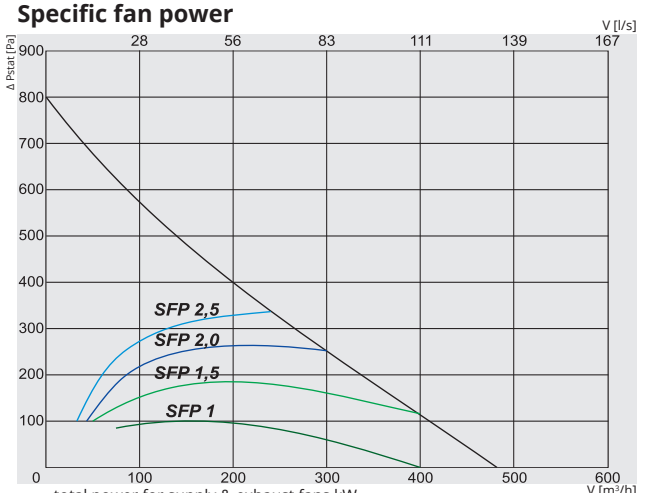
Supply air



Exhaust air

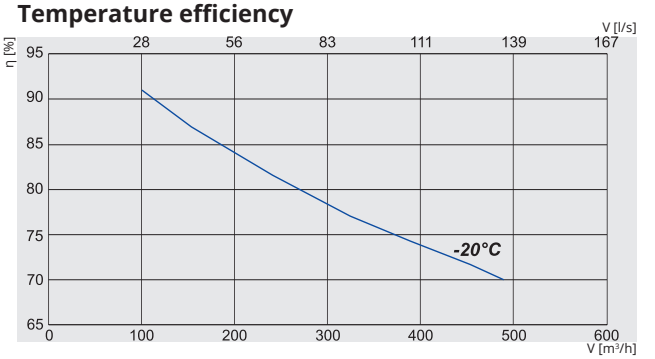


Specific fan power

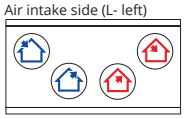


$$SFP = \frac{\text{total power for supply \& exhaust fans kW}}{\text{air flow m}^3/\text{h}} \times 3600$$

Temperature efficiency

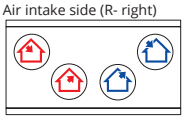


RIRS 400VL EKO 3.0
Air intake side (L- left)



View from inspection side

RIRS 400VR EKO 3.0
Air intake side (R- right)



View from inspection side

Exhaust air Extract air Outdoor air Supply air

Article No.		Version
GAGRIRS1759_0037A	400VEL EKO 3.0	Left-hand maintenace version with integrated electrical heater
GAGRIRS1760_0039A	400VWL EKO 3.0	Left-hand maintenace version prepared for optional water heater
GAGRIRS1757_0036A	400VER EKO 3.0	Right-hand maintenace version with integrated electrical heater
GAGRIRS1758_0038A	400VWR EKO 3.0	Right-hand maintenace version prepared for optional water heater

			400VE / VW EKO 3.0
Water heater (optional) VW ver.			AVS 160
Electrical heater VE ver.	phase/voltage	[50Hz/VAC]	~1, 230
		[kW]	1,2
EC fans	phase/voltage	[50Hz/VAC]	~1, 230
exhaust	power/current	[kW/A]	0,085/0,75
	fan speed	[min⁻¹]	3200
supply	power/current	[kW/A]	0,085/0,75
	fan speed	[min⁻¹]	3200
Thermal efficiency up to*			75%
Max power consumption VE / VW		[kW/A]	1,38/5,94 | 0,18/1,60
Control board			PRV V2
Filter class	exhaust/supply		M5/F7
Housing insulation, mineral wool		[mm]	50
Colour	RAL	white	9016
Weight (net, without packing)		[kg]	79,5
Comply with ERP			2016; 2018
Operation			indoors
Housing protection class	IP		34

* Calculated wet efficiency.

400V EKO 3.0	Lwa total, dB(A)	LWA, dB(A) 125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Supply	70	64	59	61	66	63	54	52
Extract	61	55	57	57	49	43	34	30
Surrounding	54	51	48	41	42	43	33	28
Measured at 375 m³/h, 120 Pa								

Temperature efficiency (balanced mass flow):
Extract air = 20°C/60%RH
Outdoor air = -20°C

Certifications

EUROVENT certified
rotor heat exchanger performance

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com