Product fiche LG 1000 F KN SKDE

Model ID	LG 1000 F KN SKDE
Type	Ventilation plant for non-residential use, central ventilation plant
Drive type	Speed control
Type of heat recovery *	Other heat recovery system

Thermal transmission with validation conditions (EN308)	ηt_nwla	75,90	[%]
Nominal airflow	qnom	700 / 0,19	[m³/h]
Electrical input power (effective power)	Pel,ges (Pm)	0.23 / 0,247	[kW]
Internal specific fan power / Validation	SVLint (SFPint) / SFP	838 / 1183	[W/(m³/s)]
Classification of the specific fan power / Validation	SFPv-class	SFP1 / SFP1	[-]
Maximum permissible SVLint as of 2018 in accordance with EU regulation 1253/20	SVLintlimit_2018	1.158	[W/(m³/s)]
Transfer velocity SUP / ETA	w	1,19 / 1,19	[m/s]
Velocity class SUP / ETA	V-class	V1 / V1	[-]
Nominal outside pressure SUP / ETA	dps, ext	50 / 50	[Pa]
Internal pressure drop across ventilation components SUP / ETA	dps, int	139 / 112	[Pa]
Internal pressure drop across non-ventilation components SUP / ETA	dps, add	3 /	[Pa]
Static efficiency fan SUP / ETA (design point)	nfan	31,11 / 28,64	[%]
Maximum external air leakage at +400 / - 400 Pa		0,52 / 0,48	[%]
Maximum internal air leakage (at 250 Pa)		2,00	[%]
Annual energy class SUP-Filter (Speed 1) **	ePM1 55%	665,24	[kWh]
Annual energy class SUP-Filter (Speed 2) **			[kWh]
Annual energy class ETA-Filter **	ePM10 75%	630,42	[kWh]

* Types of heat recovery:	no
	closed-circuit-system
	other types of heat recovery

** The energy class is calculated based on the annual operating hours (8760 h) and average pressure loss (see table below for final pressure loss pursuant to ÖNORM EN 13053).

	Filter class	Final pressure difference
Max. pressure drop across filter pursuant to ÖNORM EN 13053:	G1-G4	150 Pa
	M5-F7	200 Pa
	F8-F9	300 Pa

For units without a controller:
The ventilation unit is to be equipped with a controller that continuously adapts the electrical energy with which the fans are supplied, in order to control the air volume flow. In addition, the controller must be able to control the heat exchanger bypass. In order to ensure compliance with ErP2018, the customer agrees to provide the ventilation unit controller with an optical indicator device or an acoustic warning device that is triggered when the pressure drop on the filter exceeds the maximum permissible value (see table for maximum filter drop loss values).
Only if these conditions are met, the ventilation unit complies with the EU regulation 1253/2014.
PLEASE NOTE: Plant efficiency will drop and power consumption will increase unless the filters are replaced regularly.

Visual filter warning (for units with Air-2-controller)
The ventilation unit has a visual warning to replace the filter. An error message will be displayed on the control panel when the set pressure difference is exceeded.
PLEASE NOTE: Plant efficiency will drop and power consumption will increase unless the filters are replaced regularly.

Disposal
Equipment that is no longer functional must be uninstalled by a specialist firm and properly disposed of at a suitable facility. The Electrical and Electronic Equipment Act (EAG-VO), implementing Community law Directives 202/95/EC (RoHS) and 2002/96/EC (WEEE Directive) applies.

ErP 2018

Information based on the current state of knowledge of EU Regulation 1253/2014
Download from: *www.pichlerluft.at*

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