Declaration of conformity

regarding the determination of energetic efficiency according to the regulation of German technical approvals

SmartFan
non-ducted ventilation unit
Tested unit

getAir GmbH & Co. KG
Client

DM.85.06.206.002
Document number

Europäisches Testzentrum für Wohnungslüftungsgeräte (TZWL) e.V.
Test laboratory

Heat recovery
Efficiency
Keywords

Dortmund, 2018-04-16
Date and place of issue

Signature

Dipl.-Ing. (FH) T. Özbiyik

Head of test laboratory

This declaration comprises of 3 pages.

EUROPÄISCHES TESTZENTRUM FÜR WOHNUNGSLÜFTUNGSGERÄTE E.V.

TZWL e. V.
Ernst-Mehlich Str. 4a
44141 Dortmund

info@tzwl.de
+49 (0)231 53477-0
+49 (0)231 53477-109

www.tzwl.de

managing board
chairman Dr.-Ing. M. Gringel
co-chairman Dipl.-Ing. (FH) T. Özbiyik
co-chairman Prof. Dr.-Ing. U. Hahn
Dipl.-Bew. (FH) J. Köntopp

seat of the association
Dortmund, registered at
Amtsgericht Dortmund,
register ID VR 5236
tax ID 317 5940 3514
VAT ID DE 2094 29304

The test results solely refer to the denoted serial number

Declaration of confirmity regarding the determination of energetic efficiency according to the regulation of German technical approvals

On behalf of getAir GmbH & Co. KG the determination of energetic efficiency was conducted by Europäisches Testzentrum für Wohnungslüftungsgeräte (TZWL) e. V. in Dortmund, Germany.

Tests were carried out according to:

- EN 13141-8:2014, Ventilation for buildings – Performance testing of components/products for residential ventilation – Part 8: Performance testing of un-ducted mechanical supply and exhaust ventilation units (including heat recovery) for mechanical ventilation systems intended for a single room;
- Purge air chamber testing based on thermodynamic regulations of DIN EN 13141-8

Technical data of the tested unit:

Manufacturer:	getAir GmbH & Co. KG
Type:	SmartFan
Serial Number:	77234811/12
Year of construction:	2015
Power supply:	230 V ~ 50 Hz
CE-Label:	Yes
Maximum volume flow:	46 m³/h

Results, energetic efficiency:

Air flow [m³/h]	Temperature ratio, supply air η_0 [%]	Total electric power consumption P_E [W]	Specific effective electric power consumption P_E/q_v [W]
32	81.0	5.4	0.17

Results of performance tests of aerodynamic characteristics, heat recovery characteristics and effective power consumption are taken from test report M.85.06.206.AG.

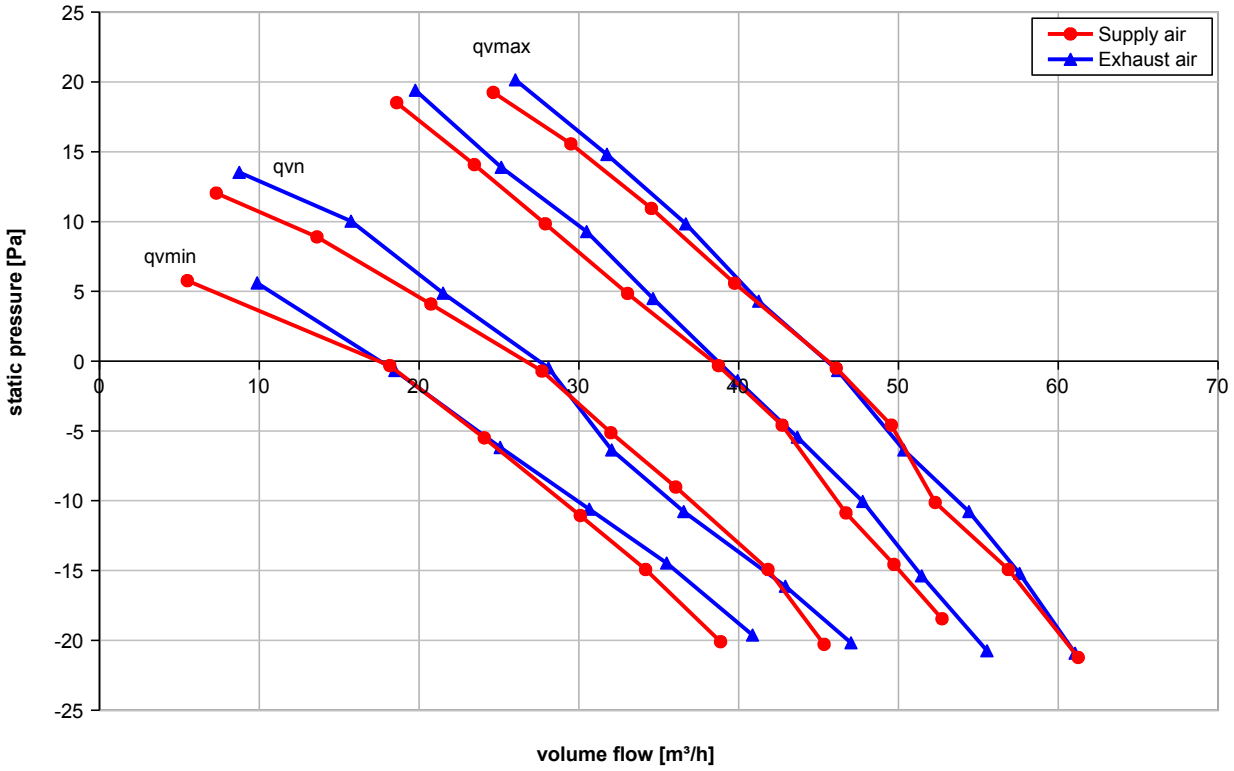

Diagram 1: Pressure-/Volume flow diagram of supply and exhaust air