

THM90^{EVO}/THM90PB^{EVO}/THM90TR^{EVO}

Self-regulating flush window vent, ideal for sliding doors

ENTIRELY FLAT
PROFILES

GLAZED-IN

AT TRANSOM

SELF-
REGULATING



INTRODUCTION

The THM90^{EVO} is an entirely flat window vent, which makes this the ideal product for integration in sliding doors. Three different types of THM90^{EVO} are available, each for different glass thicknesses: THM90^{EVO} for glazed-in installation, THM90PB^{EVO} for installation at the bottom of the window, and the THM90TR^{EVO} for installation between profiles [at transom].

By combining a THM90PB^{EVO} in the lower part and a THM90^{EVO} in the upper part of a conservatory, the THM90^{EVO} is ideal for natural ventilation by convection.

GLAZED-IN INSTALLATION (OR AT TRANSOM)

The THM90^{EVO} has been developed for glazed-in installation, and can be integrated in aluminium, timber and PVC window profiles. The THM90^{EVO} can be installed on glass, at the bottom of the window [THM90PB^{EVO}], and at transom [THM90TR^{EVO}]. The THM90^{EVO} should only be used for installation on ground floors.

THERMALLY BROKEN

No cold air transfer from outside to inside.

SELF-REGULATING

Thanks to its self-regulating flap, the THM90^{EVO} ensures the supply of fresh and healthy air without draughts.

ENTIRELY FLAT PROFILES

Thanks to its flat profiles, the THM90^{EVO} is the perfect solution for integration in sash windows.

INSECT MESH

The perforated inside profile acts as an insect mesh.

TECHNICAL CHARACTERISTICS

Airflow	
Equivalent area	11841 mm ² /m
Q at 1 Pa	9,3 l/s/m
Q at 1 Pa	33,5 m ³ /h/m
Q at 2 Pa	13,9 l/s/m
Q at 10 Pa	13,5 l/s/m
Q at 20 Pa	15,1 l/s/m
Comfort	
Sound reduction $D_{n,e,w}$ [C;C _{tr}]	
In open position	26 [0;0] dB
In closed position	45 [-1;-1] dB
Technical characteristics	
Controllable internal flap	5 stepped positions
Control options internal flap	Manual, cord, rod, motor
U value	3,8 W/m ² K
Air leakage at 50 Pa	<15% [in closed position]
Watertightness in closed position, up to	650 Pa
Watertightness in open position, up to	100 Pa
Dimensions	
Glass reduction	90 mm
Height	105 mm
Glass thickness	
THM90 ^{EVO}	20, 24, 28 or 33 mm
THM90PB ^{EVO}	20, 24 or 28 mm
THM90TR ^{EVO}	20 or 24 mm
Max. length	2500 mm [2000 mm for motorised control]



TECHNICAL DRAWINGS

