ISOVER
SAINT-GOBAIN

CLIMAVER®
A2 APTA

CLIMAVER® self-supporting duct system for air-conditioning, ventilation and heating systems

CLIMAVER® is a self-supporting duct for air-conditioning, ventilation and heating and cooling systems.

CLIMAVER® offers superior thermal performance and high level of airtightness to keep your air fresh and making the system energy efficient.

CLIMAVER® A2 Apta reduces noise levels generated by fans and air-conditioning units providing superior acoustic comfort to the building occupants.

THERMAL INSULATION
High class insulation keeps the medium temperature as designed and secures system operating with minimal losses

SOUND ABSORPTION
Superior acoustic protection to reduce noise transmission through the duct or pipework system

FAST INSTALLATION
Thanks to its light weight and high flexibility, it can be installed by one person without any special equipment

AIR TIGHTNESS
Secured air transport through the duct system and lower energy bills thanks to reduced heat loss and fan energy wastage to compensate the effect of the leaks

RECYCLED GLASS
Recycled material content 80% of the product composition

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CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES				STANDARD
Thermal conductivity	T	[°C]	10	20	40	60	EN 12667
	λ	[W/(m·K)]	0.032	0.033	0.036	0.039	EN 12939

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES								STANDARD
Practical acoustic absorption coefficient, αP	-	Hz	125	250	500	1,000	2,000	4,000	-	-	EN ISO 354 EN ISO 11654
	αw	-	0.40	0.70	0.85		0.90	1.00			
			0.90					0.90			
Acoustic attenuation, in a straight duct, ΔL (DB/m)*	Section [mm]	200 x 200	5.82	12.75	16.73		18.12	21.00			
		300 x 400	3.40	7.43	9.76		10.57	12.25			
		400 x 700	2.29	5.01	6.57		7.12	8.25			
-			$DL = 1.05 \cdot \alpha p 1.4 \cdot P/S$ For the sound power of a ventilator with a 20,000 m³/h flow, load loss 15 mm.w.g.								-

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Reaction to fire	-	-	Non combustible, Euroclass A2-s1, d0	EN 13501-1 EN 15715
Application field	-	-	CLIMAVER® is a self-supporting duct for air-conditioning, ventilation and heating systems. CLIMAVER® has been designed to offer excellent thermal performance, acoustics, fire safety and high level of air-tightness making the system energy efficient	EN 13403
Airtightness	-	-	Class D	EN 1507 EN 12237
Resistance to pressure	-	Pa	800	EN 13403
Pressure losses	-	Pa	For normal HVAC system air speeds pressure drops are similar to metal ducts	-
Dimensional stability	-	%	Quantities and measured values : < 1	EN 1604
CE marking	-	-	CE marking designation code MW-EN14303-T5-MV1	EN 14303
Water vapour resistance	-	m²·h·Pa/mg	140	EN 12086
Quality management	-	-	ISOVER is certified according to EN ISO 9001 and EN ISO 14001	EN ISO 9001 EN ISO 14001
Installation unique feature	-	-	Duct assembly: exclusive male/female molded shiplap	-
Working conditions	-	-	Resistant to mechanical cleaning methods Maximum air speed: 18 m/s Maximum temperature of circulating air: 90°C	-

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*					
LENGTH [MM]	WIDTH B [MM]	THICKNESS D [MM]	M²/PACK	M²/PALLET	M²/TRUCK
3,000	1,210	40	18.15	199.70	1597.00

* Products must be stored inside, in a dry and clean location.

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