



CLIMAVER self-supporting ducts for outdoor use

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

CLIMAVER® STAR is a perfect solution when installing self-supporting air duct systems outdoors or outside buildings.

CLIMAVER® offers superior thermal performance and high level of airtightness to keep your air fresh and making the system energy efficient. CLIMAVER® STAR reduces noise levels generated by fans and air-conditioning units providing superior acoustic comfort to the building users.

CLIMAVER® STAR is using special facing providing vapour barrier and ultraviolet protection. This means long-lasting durability and performance for your duct system.

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

SOUND ABSORPTION



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

THERMAL INSULATION



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

LIGHTWEIGHT



Lighter insulation reduces the need for supporting constructs and provides ergonomic handling on- and off-site



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

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES							STANDARD
Practical acoustic absorption coefficient, α_P	-	Hz	125	250	500	1,000	2,000	4,000	-	EN ISO 354 EN ISO 11654
	α	-	0.40	0.70	0.85	0.90	1.00			
Acoustic attenuation, in a straight duct, ΔL (DB/m)*	Section [mm]	200 x 200	5.82	12.75	16.73	18.12	21.00	-	-	EN ISO 354 EN ISO 11654
		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 · α_P · P/S For the sound power of a ventilator with a 20,000 m ³ /h flow, load loss 15 mm.w.g.							-

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES				STANDARD
Reaction to fire	-	-	B-s1, d0				EN 13501-1 EN 15715
Water vapour diffusion resistance factor	-	-	1				EN 12086
Airtightness	-	-	Class D				EN 1507 EN 12237
Pressure losses	-	Pa	800				-
Dimensional stability	-	%	Quantities and measured values : < 1				EN 1604
Water vapour resistance	-	m ² ·h·Pa/mg	150				EN 12086
Quality management	-	-	ISOVER is certified according to EN ISO 9001 and EN ISO 14001				EN ISO 9001 EN ISO 14001

DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION*

LENGTH [MM]	WIDTH B [MM]	THICKNESS D [MM]	M ² /PALLET	M ² /TRUCK
3.00	1.21	40	65.34	1568.16



www.isover-technical-insulation.com

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