



ARFEC3510W Air curtain Arden

Water heat, L=1m, recessed

Item number: 190546



Recessed energy-efficient air curtain for commercial premises.

Arden 3500 is designed for recessed installation with a recommended installation height of 3,5 m and is equipped with energy-efficient EC motors which enable stepless control of the airflow. The air curtain together with the intelligent FC control system allows you to easily optimize your comfort and save energy.

The recommended installation height varies depending on the relevant premises.

The control system is ordered separately.



Technical parameters

Installation		
Type of installation	Horizontal	
Recommended installation height	3.5	m
Nominal data		
Color casing	Traffic white	
Color casing, RAL	RAL 9016	
Color, outlet grilles	Telegrey 2	
Color outlet grilles, RAL	RAL 7046	
Enclosure class	IP20	
Ambient working temperature (dry conditions)	-20 to 30	°C
Dimensions and weights		
Length	1,057	mm
Height	302	mm
Depth	638	mm
Weight	39.3	kg

Air flow		
Air flow	1900; 1600; 1000	m³/h
Sound data		
Sound pressure (LpA)	59; 54; 43	dB(A)
Conditions sound pressure	Conditions: Distance to the unit 5 metres. Directional factor: 2. Equivalent absorption area: 200 m².	
Sound power (LWA)	75	dB(A)
Conditions sound level	Measurements according to ISO 27327-2: 2014, Installation type E.	
Motor/control supply		
Control/motor supply	230	V
Phases, motor	1~	
Control/motor current, 50 Hz	2.3	A
Input power (P1), motor 50Hz	340	W
Control/motor current, 60 Hz	2.3	A
Input power (P1), motor 60Hz	340	W
Enclosure class, motor	IP20	
Insulation class	B	
Water data		
Water heating full output 60/40 °C, air +18 °C	8.3	kW
Pressure drop water 60/40 °C, air +18 °C	4.2	kPa
Water temperature	5 to 110	°C
Maximum working pressure	16	bar
Water volume inside coil	1.3	L
Dimension water connections	DN20 (G 3/4") Inside thread	
Heating	Water heat, coil for medium water temperature	

Performance

Parameter	
Output	13.99 kW
Air flow	1,900 m³/h
Inlet air temperature	20 °C
Outlet air temperature	42 °C
Water flow	0.171 l/s
Air pressure drop	25 Pa
Inlet air humidity	70.0 % r.H
Outlet air humidity	20.0 % r.H
Water pressure drop	10.9 kPa
Inlet fluid temperature	80 °C
Outlet fluid temperature	60 °C
Fluid	Water

Accessories

- AR35XTT10 Air extension (19070)
- FCBA Control for air curtain (74687)
- FCOTX Outdoor temp. sensor (74695)
- FCSA Control for air curtain (74685)
- PA34CB15 Ceiling brackets (18059)
- PA34VD15 Vibration damper (18065)
- VPFC15NF Valve system (238294)
- VPFC25 Valve system (238296)
- DTV200S Filter pressure guard (17597)
- FCDA Control for air curtain (74684)
- FCPA Control for air curtain (74686)
- FH1020 Flexible hose kit (237568)
- PA34TR15 Threaded bars (18056)
- VPFC15LF Valve system (238293)
- VPFC20 Valve system (238295)
- VPFC32 Valve system (238297)

Documents

- Catalogue pages Arden 3500
- Manual Arden 3500
- Declaration of Conformity ARFEC3500
- UKCA Declaration ARFEC3500
- Exploded view ARFEC35