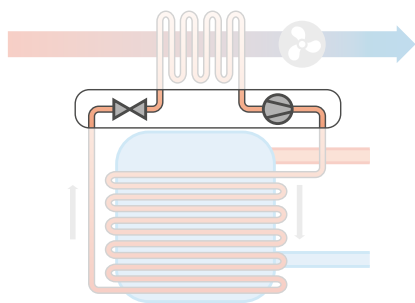


AWN

AWN RV - AWN DV

Specifications for heat pump

		Specifications for AWN-A40 series		Specifications for AWN-A50 series	
		Airflow = 750 m ³ /h	Airflow = 1 500 m ³ /h	Airflow = 1 500 m ³ /h	Airflow = 3 000 m ³ /h
Air					
Air volume	m ³ /h	750	1 500	1 500	3 000
	m ³ /s	0,21	0,42	0,42	0,83
Inlet - dry temperature	°C	20	20	20	20
Inlet – relative humidity	%	50	50	50	50
Inlet - enthalpy	kJ/kg	38,52	38,52	38,52	38,52
Inlet – absolute humidity	g/kg	7,25	7,25	7,25	7,25
Power	kW	2,91	4,48	5,9	9,88
Medium					
Medium - Inlow temperature	°C	7	7	7	7
Medium - outlet temperature	°C	10,24	12	9,99	12
Pressure drop	kPa	15,8	15,8	21,9	21,8
Sea level	m	0	0	0	0
Mass flow	kg/h	916,66	916,66	2014,12	2014,12
Speed	m/s	1,0	2,03	0,87	1,74
Outlet – dry temperature	°C	9,05	11,15	9	10,27
Outlet – relative humidity	%	98,29	88,03	98,06	93,25
Outlet - enthalpy	kJ/kg	26,8	29,49	26,65	28,57
Outlet – absolute humidity	g/kg	7,03	7,25	6,99	7,24
Ethylene glycol	%	35	35	35	35
Medium flow rate	m ³ /h	0,867	0,87	1,91	1,9
Speed	m/s	0,546	0,546	0,64	0,64
Atmospheric air pressure	mBar	1 013	1 013	1 013	1 013
Reference temperature	°C	20	20	20	20
Air density	kg/m ³	1,24	1,24	1,25	1,25
Pressure drop dry	Pa	19	55	15	42
Pressure drop humid	Pa	20	55	16	42
Thickening point	°C	ca. -20°C	ca. -20°C	ca. -20°C	ca. -20°C
Medium density	kg/m ³	1 056,46	1 056,46	1 056,78	1 056,46
Medium heat capacity	kJ/kgK	3,53	3,53	3,53	3,53
Medium viscosity	Pas	3 496 E-03	3 496 E-03	3 496 E-03	3 496 E-03
Thermal conductivity	W/mK	0,42	0,42	0,42	0,42



AWN Specifications for heat pump



Specifications for AWN-A70 series

Air		Airflow = 4 000 m ³ /h	Airflow = 4 800 m ³ /h
Air volume	m³/h	4 000	4 800
	m ³ /s	1,11	1,33
Inlet - dry temperature	°C	20	20
Inlet – relative humidity	%	50	50
Inlet - enthalpy	kJ/kg	38,52	38,52
Inlet – absolute humidity	g/kg	7,25	7,25
Power	kW	13,71	15,23
Medium			
Medium - Inlow temperature	°C	7	7
Medium - outlet temperature	°C	11,73	12,26
Pressure drop	kPa	29,1	29,2
Sea level	m	0	0
Mass flow	kg/h	2 958,17	2 957,92
Speed	m/s	1,717	2,061
Outlet – dry temperature	°C	9,95	10,61
Outlet – relative humidity	%	94,85	91,23
Outlet - enthalpy	kJ/kg	28,17	28,94
Outlet – absolute humidity	g/kg	7,21	7,25
Ethylene glycol	%	35	35
Medium flow rate	m ³ /h	2,8	2,8
Speed	m/s	0,672	0,672
Atmospheric air pressure	mBar	1 013	1 013
Reference temperature	°C	20	20
Air density	kg/m ³	1,24	1,24
Pressure drop dry	Pa	39	54
Pressure drop humid	Pa	40	55
Thickening point	°C	ca. -20°C	ca. -20°C
Medium density	kg/m ³	1 056,49	1 056,40
Medium heat capacity	kJ/kgK	3,53	3,53
Medium viscosity	Pas	3 512 E-03	3 481 E-03
Thermal conductivity	W/mK	0,42	0,42

FLY662GB_v1_AWN_pump - Copyright Aereco - All data and pictures in this document are non contractual and are subject to change without prior notice.