

Technical

AERIS + VARIABLE FLOW HIGH EFFICIENCY SWIMMING POOL VENTILATION UNITS

MODEL Aeris +		Aeris 25+	Aeris 50 +	Aeris 100 +
Nominal air volume	m ³ /s	0.25	0.5	1.0
Maximum 1)	kg/h	13.8	27	54
Dehumidification 2)	kg/h	5.4	10	20
effect kg/hr 3)	kg/h	12.1	24	47
Supply fan motor	kW	0.25	0.48	1.25
Sound power level	dBA	74	76	79
External resistance	Pa	100	100	100
Specific fan power	w/l/s	0.76	0.795	0.851
Maximum external resistance	Pa	120	200	300
Return fan motor	kW	0.25	0.48	1.25
Sound power level	dBA	67	69	71
External resistance	Pa	100	100	100
Specific fan power	w/l/s	0.572	0.59	0.645
Maximum external resistance	Pa	200	200	300
Recuperator nominal Eff	%	95	96.5	96.5
LT.LPHW Coil duty	kW	5.3	15	31
LT.LPHW flow rate	l/s	0.064	0.19	0.374
LT.LPHW pressure drop	kPa	5	12	15
Max fabric loss capacity	kW	3.12	11	21.5
Power consumption	kW	0.33	0.70	1.6
Nominal power consumption	kW	0.18	0.23	0.38
Full load current (single phase)	Amps	1.64	3.44	7.5
Full load current (three phase)	Amps	N/A	N/A	N/A
Length	mm	1400	1600	1980
Width	mm	544	750	1030
Height	mm	900	1900	2100
Weight	kg	120	470	450
Duct connection sizes (H x L)				
Fresh air inlet	mm	300 x 500	TBC	TBC
Supply air outlet	mm	200x 300	TBC	TBC
Return air inlet	mm	300 x 300	TBC	TBC
Exhaust air outlet	mm	200 x 300	TBC	TBC

- 1) Winter fresh air at 0°C 100% RH Pool hall condition 30°C 60% RH
 2) Summer fresh air at 28°C 47% RH Pool hall condition 30°C 60% RH
 3) Average fresh air at 8°C 80% RH Pool hall condition 30°C 60% RH