

Technical

CVME VARIABLE FLOW HIGH EFFICIENCY SWIMMING POOL VENTILATION UNITS

MODEL CVME		CVME 200	CVME 300	CVME 400	CVME 600
Nominal air volume	m ³ /s	2.0	3.0	4.0	6.0
Maximum 1)	kg/h	84	126	167	251
Dehumidification 2)	kg/h	40	61	80	122
effect kg/hr 3)	kg/h	90	135	179	270
Supply fan motor	kW	3.8	4.0	5.5	7.5
Sound power level	dBA	84	91	92	95
External resistance	Pa	200	200	200	200
Specific fan power	w/l/s	0.88	1.0	1.02	1.08
Maximum external resistance	Pa	400	400	350	250
Return fan motor	kW	3.8	3	4	7.5
Sound power level	dBA	83	89	91	94
External resistance	Pa	200	200	200	200
Specific fan power	w/l/s	0.74	0.84	0.86	0.92
Maximum external resistance	Pa	400	250	250	300
Recuperator nominal Eff	%	66.5	66.4	69.2	67.9
LT.LPHW Coil duty	kW	50	75	100	150
LT.LPHW flow rate (ΔT 20)	l/s	0.6	0.9	1.2	1.8
LT.LPHW pressure drop	kPa	24	25	26	24
Power consumption	kW	3.23	5.5	7.9	12
Nominal power consumption	kW	1.65	2.25	4.0	6.1
Full load current (three phase)	Amps	5.5	11	15	23
Length	mm	2400	2800	3200	4000
Width	mm	1600	1600	1600	2200
Height	mm	1800	2300	2600	2600
Weight	kg	1100	1300	1500	2500

- 1) Winter fresh air at 0 °C 100% RH Pool hall condition 30 °C 50% 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 58% RH