




COMFAIR II HD

High wall fan coil units



WATER



 **1,3 - 3,8 kW**
 **1,5 - 4,3 kW**
 **250 - 780 m³/h**

HD (A) 1 (B)

(A) HD = High pressure fan coil unit
(B) 1 = Unit size

COMFAIR II HD		SPEED	1	2	3	4	
Nominal thermal performances - Cooling mode							
* COOLING MODE Water inlet temperature: 7°C Water outlet temperature: 12°C Air inlet temp.: 27°C DB / 19°C WB	Total cooling capacity	W	Max	1931	2351	3292	3949
			Med	1704	2073	2918	3595
			Min	1525	1805	2385	2885
	Sensible cooling capacity	W	Max	1520	1871	2632	3079
			Med	1330	1613	2278	2805
			Min	1170	1385	1855	2225
	Water flow rate	l/h	Max	337	409	573	687
			Med	297	360	508	625
			Min	266	314	415	501
	Water pressure drop	kPa	Max	15,9	22,9	17,4	21,6
			Med	12,5	18,3	13,3	17,8
			Min	10,0	14,3	11,4	11,8
Nominal thermal performances - Heating mode							
* HEATING MODE Air temperature: 20°C Water inlet temp.: 45/40°C	Heating Capacity	W	Max	2310	2490	3480	4290
			Med	1940	2290	2750	3570
			Min	1480	1610	1810	2810
	Water flow rate	l/h	Max	397	428	599	738
			Med	334	394	473	614
			Min	255	277	311	483
	Water pressure drop	kPa	Max	12,4	20,0	31,2	56,8
			Med	9,2	18,3	19,7	41,8
			Min	5,7	9,5	9,4	27,9
Ventilation data							
Air flow rate	m ³ /h	Max	464	462	639	778	
Med		356	406	476	598		
Min		252	262	294	448		
Acoustic data							
Sound power level	dB(A)	Max	49	51	49	55	
		Med	42	49	42	50	
		Min	34	40	31	45	
Sound pressure level	dB(A)	Max	40	42	40	46	
		Med	34	40	33	41	
		Min	25	31	22	36	
Asynchronous motor							
Motor fan absorbed power	W	Max	23	24	30	46	
		Med	18	21	22	27	
		Min	13	13	13	20	
Power supply	- 230V / 1ph / 50-60Hz wired speed						
ECM motor							
Motor fan absorbed power	W	Max	14	14	16	25	
		Med	9	12	9	15	
		Min	6	7	5	9	
Speed control voltage (Vdc)	V	Max	7,6	7,9	6,6	9,2	
		Med	5,3	6,7	4,0	6,4	
		Min	3,0	3,4	1,3	4,1	
Power supply	- 230V / 1ph / 50-60Hz wired speed						
Working limits							
Indoor air temperature	min. 15°C - max 30°C						
Indoor humidity	max 63 %						
Max water pressure	8 Bar						
Max inlet pressure	70°C						
Min inlet water temperature	6°C						
Minimum temperature water outlet	11°C						

Standard unit with free outlet: external static pressure = 0 Pa / The sound power level test has been performed according to EN 16583:2015 standard / **Sound pressure level:** 8,6 dB(A) lower than the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec. / **Supported power supply:** -230V / 1ph / 50Hz

Heating: To avoid stratification of the ambient air, it is recommended not to supply the unit with a water temperature above 65 ° C.

Cooling: In environments with high relative humidity, condensation may form on the outside of the unit and on the air delivery. These phenomena can damage the underlying objects and the floor; to avoid them, it is always recommended to install the valve and, with the fan in operation, to respect the minimum and medium supply temperature limits indicated (values referring to the minimum wired speed).

COMFAIR II HD		1	2	3	4
A	mm	930	930	1235	1170
B		185	185	185	185
C		323	323	323	323
D		850	850	1155	1155
Weight of standard units					
Basic unit	kg	11,5	12	14	14,5

