

DISCOVERY MY

AIR CONDITIONING UNIT

BASIC MODELS

	MODEL	DM340 (C) ACU	DM600 (C) ACU	DM1200 (C) ACU	DM1600 (C) ACU
Useful capacity (l)		337	553	1076	1439
Internal dimensions approx. (mm)	Width	601	850	1000	1000
	Depth	810	730	1130	1510
	Height	694	892	953	953
External dimensions approx. (mm)	Width	875	1124	1278	1278
	Depth	1786	1768	2222	2600
	Height	2315	2599	2661	2661
Temperature range (°C)	Basic	-30...+150 In Remote Conditioning ⁶ ; -35...+180 in Stand-alone mode ⁵			
	C model	-50...+150 In Remote Conditioning ⁶ ; -70...+180 in Stand-alone mode ⁵			
Temperature fluctuation (K)		±0.1...±0.3 Stand-alone mode ⁵			
Temperature changing rate Heating ³⁺⁴	Basic (-40/+180°C)	4,1 K/min	4,1 K/min	4,1 K/min	3,2 K/min
	C model (-70/+180°C)	4,1 K/min	4,1 K/min	4,1 K/min	3,2 K/min
Temperature changing rate Cooling ³⁺⁴	Basic (-40/+180°C)	2,7 K/min	4,1 K/min	3 K/min	2,4 K/min
	C model (-70/+180°C)	2,1 K/min	3,6 K/min	2,1 K/min	1,8 K/min
Humidity range (%) ¹		20...80 (τ=20/+80°C) In Remote Conditioning ⁶ ; 10...95 (τ=10/+90°C) in Stand-alone mode ⁵			
Temperature range for climatic test (°C) ⁵		+5...+75 In Remote Conditioning ⁶ ; +4...+89 In Stand-alone mode ⁵			
Humidity fluctuation (%) ⁵		±1...±3 Stand-alone mode			
Maximum thermal load (W) ⁴⁺⁵	Basic T=+25°C	2070 Stand-alone mode	4050 Stand-alone mode	4050 Stand-alone mode	4050 Stand-alone mode
	C model T=+25°C	1350 Stand-alone mode	2700 Stand-alone mode	2700 Stand-alone mode	2700 Stand-alone mode
Rated power (kW)	Basic	7,36	10,86	13,36	13,36
	C model	8,36	13,36	15,36	15,36
Rated current absorption (A)	Basic	12,56	20,56	25,56	25,56
	C model	14,56	26,56	29,56	29,56
Weight (kg)	Basic	665	875	1070	1200
	C model	720	990	1170	1300
Sound pressure level dB(A) ²	Basic	56	61	61	61
	C model	60	63	63	63
Supply voltage (Vac)		400V ±10%/50Hz/3 + N + G			
Flow rate (m ³ /h)		600	600	600	600

1. τ= +4°C/+94°C for continuous test - 2. Measured at 1 m distance in front of the unit in 1.6m height, free field measurement - 3. According to IEC 60068-3-5 and IEC 60068-3-6
4. The performance data refer to +22°C ambient temperature, 400V nominal voltage, without specimen - 5. Measured values with covers - 6. Measured values at the end of the pipe and with the pipe in by-pass

DISCOVERY MY

AIR CONDITIONING UNIT

5K/MIN

	MODEL	DM340 (C) ES ACU	DM600 (C) ES ACU	DM1200 (C) ES ACU
Useful capacity (l)		337	553	1076
Internal dimensions approx. (mm)	Width	601	850	1000
	Depth	810	730	1130
	Height	694	892	953
External dimensions approx. (mm)	Width	875	1124	1278
	Depth	1786	1768	2222
	Height	2315	2599	2661
Temperature range (°C)	Basic	-30...+150 In Remote Conditioning ⁶ ; -35...+180 In Stand-alone mode ⁵		
	C model	-50...+150 In Remote Conditioning ⁶ ; -70...+180 In Stand-alone mode ⁵		
Temperature fluctuation (K)		±0.1...±0.3 Stand-alone mode ⁵		
Temperature changing rate Heating ³⁺⁴	Basic (-40/+180°C)	7,2 K/min	5,4 K/min	5,4 K/min
	C model (-70/+180°C)	7,2 K/min	5,4 K/min	5,4 K/min
Temperature changing rate Cooling ³⁺⁴	Basic (-40/+180°C)	4,5 K/min	5,9 K/min	6,3 K/min
	C model (-70/+180°C)	5 K/min	5 K/min	4,5 K/min
Humidity range (%) ¹		20...80 (τ=20/+80°C) In Remote Conditioning ⁶ ; 10...95 (τ=10/+90°C) In Stand-alone mode ⁵		
Temperature range for climatic test (°C) ⁵		+5...+75 In Remote Conditioning ⁶ ; +4...+89 In Stand-alone mode ⁵		
Humidity fluctuation (%) ⁵		±1...±3 Stand-alone mode		
Maximum thermal load (W) ⁴⁺⁵	Basic T=+25°C	4050 Stand-alone mode	4050 Stand-alone mode	4050 Stand-alone mode
	C model T=+25°C	2700 Stand-alone mode	2700 Stand-alone mode	2700 Stand-alone mode
Rated power (kW)	Basic	10,26	13,76	20,36
	C model	12,36	16,56	24,56
Rated current absorption (A)	Basic	18,56	25,56	36,56
	C model	22,56	30,56	44,06
Weight (kg)	Basic	820	985	1180
	C model	904	1090	1280
Sound pressure level dB(A) ²	Basic	58	63	64
	C model	63	66	68
Supply voltage (Vac)		400V ±10%/50Hz/3 + N + G		
Flow rate (m ³ /h)		600	600	600

1. τ= +4°C/+94°C for continuous test - 2. Measured at 1 m distance in front of the unit in 1,6m height, free field measurement - 3. According to IEC 60068-3-5 and IEC 60068-3-6
4. The performance data refer to +22°C ambient temperature, 400V nominal voltage, without specimen - 5. Measured values with covers - 6. Measured values at the end of the pipe and with the pipe in by-pass

DISCOVERY MY

AIR CONDITIONING UNIT STABILITY TEST

	MODEL	DM340 E ACU	DM600 E ACU	DM1200 E ACU	DM1600 E ACU
Useful capacity (l)		337	553	1076	1439
Internal dimensions approx. (mm)	Width	601	850	1000	1000
	Depth	810	730	1130	1510
	Height	694	892	953	953
External dimensions approx. (mm)	Width	875	1124	1278	1278
	Depth	1786	1768	2222	2600
	Height	2315	2599	2661	2661
Temperature range (°C)		-10...+150 In Remote Conditioning ⁶ ; -15...+180 in Stand-alone mode ⁵			
Temperature fluctuation (K)		±0.1...±0.3 Stand-alone mode ⁵			
Temperature changing rate Heating ³⁺⁴	(0/+100°C)	1,4 K/min	1,4 K/min	1,4 K/min	1,4 K/min
Temperature changing rate Cooling ³⁺⁴	(0/+100°C)	1,4 K/min	1,4 K/min	1,4 K/min	1,4 K/min
Humidity range (%) ¹		20...80 (τ=20/+80°C) In Remote Conditioning ⁶ ; 10...95 (τ=10/+90°C) in Stand-alone mode ⁵			
Temperature range for climatic test (°C) ⁵		+5...+75 In Remote Conditioning ⁶ ; +4...+89 In Stand-alone mode ⁵			
Humidity fluctuation (%) ⁵		±1...±3 Stand-alone mode			
Maximum thermal load (W) ⁴⁺⁵	Basic T=+25°C	5400	765	765	8100
		Stand-alone mode	Stand-alone mode	Stand-alone mode	Stand-alone mode
Rated power (kW)	Basic	7,36	10,86	13,36	13,36
Rated current absorption (A)	Basic	12,56	20,56	25,56	25,56
Weight (kg)	Basic	665	875	1070	1400
Sound pressure level dB(A) ²	Basic	56	61	61	61
Supply voltage (Vac)		400V ±10%/50Hz/3 + N + G			
Flow rate (m ³ /h)		600	600	600	600

1. τ= +4°C/+94°C for continuous test - 2. Measured at 1 m distance in front of the unit in 1,6m height, free field measurement - 3. According to IEC 60068-3-5 and IEC 60068-3-6
4. The performance data refer to +22°C ambient temperature, 400V nominal voltage, without specimen - 5. Measured values with covers - 6. Measured values at the end of the pipe and with the pipe in by-pass

DISCOVERY MY

AIR CONDITIONING UNIT

ESS 10/15 K/MIN

	MODEL	DM250 C10 (15) ESS ACU	DM500 C10 (15) ESS ACU	DM1000 C10 (15) ESS ACU	DM1400 C10 (15) ESS ACU
Useful capacity (l)		255	438	1040	1368
Internal dimensions approx. (mm)	Width	601	850	1000	1000
	Depth	615	580	1020	1342
	Height	692	890	1020	1020
External dimensions approx. (mm)	Width	883	1137	1287	1287
	Depth	2080	2058	2512	2891
	Height	2327	2610	2740	2740
Temperature range (°C)		-50...+150 In Remote Conditioning ⁶ ; -70...+180 in Stand-alone mode ⁵			
Temperature fluctuation (K)		±0.1...±0.3 Stand-alone mode ⁵			
Temperature changing rate Heating ³⁺⁴	Basic (-40/+180°C)	9 K/min	9 K/min	9 K/min	9 K/min
	C model (-70/+180°C)	13,5 K/min	13,5 K/min	13,5 K/min	13,5 K/min
Temperature changing rate Cooling ³⁺⁴	Basic (-40/+180°C)	9 K/min	9 K/min	9 K/min	9 K/min
	C model (-70/+180°C)	13,5 K/min	13,5 K/min	13,5 K/min	13,5 K/min
Humidity range (%) ¹		20...80 (τ=20/+80°C) In Remote Conditioning ⁶ ; 10...95 (τ=10/+90°C) in Stand-alone mode ⁵			
Temperature range for climatic test (°C) ⁵		+5...+75 In Remote Conditioning ⁶ ; +4...+89 In Stand-alone mode ⁵			
Humidity fluctuation (%) ⁵		±1...±3 Stand-alone mode			
Maximum thermal load (W) ⁴⁺⁵	Basic T=+25°C	5400 Stand-alone mode	6300 Stand-alone mode	7200 Stand-alone mode	7200 Stand-alone mode
	C model T=+25°C	7200 Stand-alone mode	7200 Stand-alone mode	8100 Stand-alone mode	8100 Stand-alone mode
Rated power (kW)	Basic	20,96	30,86	45,66	57,46
	C model	20,96	30,86	45,66	57,46
Rated current absorption (A)	Basic	41,56	53,56	86,56	105,56
	C model	41,56	53,56	86,56	105,56
Weight (kg)	Basic	1070	1225	1800	1900
	C model	1070	1225	1800	1900
Sound pressure level dB(A) ²	Basic	69	74	76	76
	C model	69	74	76	76
Supply voltage (Vac)		400V ±10%/50Hz/3 + N + G			
Flow rate (m ³ /h)		600	600	600	600

1. τ= +4°C/+94°C for continuous test - 2. Measured at 1 m distance in front of the unit in 1,6m height, free field measurement - 3. According to IEC 60068-3-5 and IEC 60068-3-6
4. The performance data refer to +22°C ambient temperature, 400V nominal voltage, without specimen - 5. Measured values with covers - 6. Measured values at the end of the pipe and with the pipe in by-pass